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

# DATA PACKAGE

## VOLATILE ORGANICS

**PROJECT NAME : RAYMARK SUPERFUND SITE**

**NOBIS GROUP**

**585 Middlesex Street**

**Lowell, MA - 01851**

**Phone No: 978-683-0891**

**ORDER ID : Q1382**

**ATTENTION : Adam Roy**

**Laboratory Certification ID # 20012**

Table Of Contents for Q1382


1) VOLATILES DATA 2

2) Signature Page 4

3) Case Narrative 5

4) Qualifier Page 7

5) Conformance/Non Conformance 8

6) QA Checklist 11

7) Chronicle 12

8) Hit Summary 14

9) QC Data Summary For VOCMS Group3 15

- 9.1) Deuterated Monitoring Compound Summary 16
- 9.2) LCS/LCSD Summary 18
- 9.3) Method Blank Summary 26
- 9.4) GS/MS Tune Summary 29
- 9.5) Internal Standard Area and RT Summary 34

10) Sample Data 40

- 10.1) OU4-PCS-TC-01-021725 41
- 10.2) OU4-PCS-TC-02-021725 50
- 10.3) OU4-PCS-TC-03-021725 59
- 10.4) OU4-PCS-TC-04-021725 68
- 10.5) OU4-PCS-TC-05-021725 77
- 10.6) OU4-PCS-TC-06-021725 87
- 10.7) OU4-PCS-TC-07-021725 97
- 10.8) OU4-PCS-TC-08-021725 107
- 10.9) OU4-PCS-TC-09-021725 117
- 10.10) OU4-PCS-TC-10-021725 127

11) Calibration Data Summary 137

- 11.1) Initial Calibration Data 138
  - 11.1.1) VY020325 138
  - 11.1.2) VY022525 513
- 11.2) Continued Calibration Data 888
  - 11.2.1) VY021236.D 888
  - 11.2.2) VY021245.D 948
  - 11.2.3) VY021275.D 1008
  - 11.2.4) VY021298.D 1068
  - 11.2.5) VY021320.D 1128

11.2.6) VY021344.D 1188
12) QC Sample Data 1248
12.1) Tune Raw Data 1249
12.2) Method Blank Data 1254
12.3) LCS Data 1281
12.4) 12.4) LCSD Data 1446
13) Manual Integration 1501
14) Analytical Runlogs 1507
15) Percent Solid 1523
16) Standard Prep Logs 1527
17) VOC Preservation Log 1607
18) Shipping Document 1608
18.1) Chain Of Custody 1609
18.2) Lab Certificate 1610
18.3) Internal COC 1611
19) Not Reviewed Data 1613

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

# Cover Page

**Order ID :** Q1382

**Project ID :** Raymark Superfund Site

**Client :** Nobis Group

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1382-01 | OU4-PCS-TC-01-021725 |
| Q1382-02 | OU4-PCS-TC-01-021725 |
| Q1382-03 | OU4-PCS-TC-02-021725 |
| Q1382-04 | OU4-PCS-TC-02-021725 |
| Q1382-05 | OU4-PCS-TC-03-021725 |
| Q1382-06 | OU4-PCS-TC-03-021725 |
| Q1382-07 | OU4-PCS-TC-04-021725 |
| Q1382-08 | OU4-PCS-TC-04-021725 |
| Q1382-09 | OU4-PCS-TC-05-021725 |
| Q1382-10 | OU4-PCS-TC-05-021725 |
| Q1382-11 | OU4-PCS-TC-06-021725 |
| Q1382-12 | OU4-PCS-TC-06-021725 |
| Q1382-13 | OU4-PCS-TC-07-021725 |
| Q1382-14 | OU4-PCS-TC-07-021725 |
| Q1382-15 | OU4-PCS-TC-08-021725 |
| Q1382-16 | OU4-PCS-TC-08-021725 |
| Q1382-17 | OU4-PCS-TC-09-021725 |
| Q1382-18 | OU4-PCS-TC-09-021725 |
| Q1382-19 | OU4-PCS-TC-10-021725 |
| Q1382-20 | OU4-PCS-TC-10-021725 |

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: 2/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Nobis Group**
**Project Name: Raymark Superfund Site**
**Project # N/A**
**Chemtech Project # Q1382**
**Test Name: VOCMS Group3**

**A. Number of Samples and Date of Receipt:**
20 Solid samples were received on 02/18/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for VOCMS Group3.

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #138 68.The analysis of VOCMS Group3 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 RPD met criteria.

The Blank Spike for {VY0219SBS01} with File ID: VY021238.D met requirements for all samples except for Chloroethane[146%], Chloromethane[150%] and Vinyl chloride[145%] are failing high but no positive hit in associate samples therefore no corrective action taken.

The Blank Spike for {VY0221SBS01} with File ID: VY021277.D met requirements for all samples except for Chloroethane[140%], Chloromethane[148%] and Vinyl chloride[141%] are failing high but no positive hit in associate samples therefore no corrective action taken.

The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

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The Continuous Calibration File ID VY021236.D met the requirements except for trans-1,4-Dichloro-2-butene is failing high but no positive hit in associate samples therefore no corrective action taken.

The Continuous Calibration File ID VY021275.D met the requirements except for Chloroethane is failing high but no positive hit in associate samples therefore no corrective action taken.

The Tuning criteria met requirements.

**E. Additional Comments:**
As per special requirement for this project form-1 are reported in mg/kg.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

The SDG Q1382 is logged for VOCMS group3. Lab is not certified for Tetrahydrofuran and trans-1,4-dichloro-2-butene compounds for 8260D method.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

---

I certify that the data p ackage is in compliance with the te rms and conditions of the contract, both technically and for com pleteness, 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

CHEMTECH PROJECT NUMBER: Q1382 MATRIX: Solid

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><br>The Continuous Calibration File ID VY021236.D met the requirements except for trans-1,4-Dichloro-2-butene is failing high but no positive hit in associate samples therefore no corrective action taken.<br><br>The Continuous Calibration File ID VY021275.D met the requirements except for Chloroethane is failing high but no positive hit in associate samples therefore no corrective action taken.<br>. | | | ✓ |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 7. | Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges. | | | ✓ |

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

| | | NA | NO | YES |
|---|---|---|---|---|
| 8. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria | | ✓ | |
| | If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | |
| | The Blank Spike for {VY0219SBS01} with File ID: VY021238.D met requirements for all samples except for Chloroethane[146%], Chloromethane[150%] and Vinyl chloride[145%] are failing high but no positive hit in associate samples therefore no corrective action taken. | | | |
| | The Blank Spike for {VY0221SBS01} with File ID: VY021277.D met requirements for all samples except for Chloroethane[140%], Chloromethane[148%] and Vinyl chloride[141%] are failing high but no positive hit in associate samples therefore no corrective action taken. | | | |
| | The Blank Spike Duplicate met requirements for all samples . | | | |
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria | | | ✓ |
| | Comments: | | | |
| 10. | Analysis Holding Time Met | | | ✓ |
| | If not met, list number of days exceeded for each sample: | | | |

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

The SDG Q1382 is logged for VOCMS group3. Lab is not certified for Tetrahydrofuran and trans-1,4-dichloro-2-butene compounds for 8260D method.

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

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

| | NA | NO | YES |
|---|---|---|---|

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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** Q1382

| | 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:** 02/28/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1382 | **OrderDate:** | 2/18/2025 10:57:00 AM |
| **Client:** | Nobis Group | **Project:** | Raymark Superfund Site |
| **Contact:** | Adam Roy | **Location:** | H31,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1382-01** | **OU4-PCS-TC-01-021725** | **SOIL** | | | **02/17/25** | | | **02/18/25** |
| | | | VOCMS Group3 | 8260D | | | 02/19/25 | |
| **Q1382-03** | **OU4-PCS-TC-02-021725** | **SOIL** | | | **02/17/25** | | | **02/18/25** |
| | | | VOCMS Group3 | 8260D | | | 02/19/25 | |
| **Q1382-05** | **OU4-PCS-TC-03-021725** | **SOIL** | | | **02/17/25** | | | **02/18/25** |
| | | | VOCMS Group3 | 8260D | | | 02/19/25 | |
| **Q1382-07** | **OU4-PCS-TC-04-021725** | **SOIL** | | | **02/17/25** | | | **02/18/25** |
| | | | VOCMS Group3 | 8260D | | | 02/21/25 | |
| **Q1382-09** | **OU4-PCS-TC-05-021725** | **SOIL** | | | **02/17/25** | | | **02/18/25** |
| | | | VOCMS Group3 | 8260D | | | 02/21/25 | |
| **Q1382-11** | **OU4-PCS-TC-06-021725** | **SOIL** | | | **02/17/25** | | | **02/18/25** |
| | | | VOCMS Group3 | 8260D | | | 02/21/25 | |
| **Q1382-13** | **OU4-PCS-TC-07-021725** | **SOIL** | | | **02/17/25** | | | **02/18/25** |
| | | | VOCMS Group3 | 8260D | | | 02/21/25 | |
| **Q1382-15** | **OU4-PCS-TC-08-021725** | **SOIL** | | | **02/17/25** | | | **02/18/25** |
| | | | VOCMS Group3 | 8260D | | | 02/21/25 | |
| **Q1382-17** | **OU4-PCS-TC-09-021725** | **SOIL** | | | **02/17/25** | | | **02/18/25** |
| | | | VOCMS Group3 | 8260D | | | 02/21/25 | |

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## LAB CHRONICLE

| | | | | | | |
|---|---|---|---|---|---|---|
| **Q1382-19** | **OU4-PCS-TC-10-021725** | **SOIL** | | | **02/17/25** | **02/18/25** |
| | | | VOCMS Group3 | 8260D | | 02/26/25 |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1382

**Client:** Nobis Group

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **OU4-PCS-TC-05-021725** | | | | | | | | |
| Q1382-09 | OU4-PCS-TC-05-0 | SOIL | Acetone | 0.037 | | 0.0058 | 0.019 | 0.023 | mg/Kg |
| | | | **Total Voc :** | 0.037 | | | | | |
| | | | **Total Concentration:** | 0.037 | | | | | |
| **Client ID:** | **OU4-PCS-TC-06-021725** | | | | | | | | |
| Q1382-11 | OU4-PCS-TC-06-0 | SOIL | Acetone | 0.044 | | 0.0057 | 0.018 | 0.023 | mg/Kg |
| | | | **Total Voc :** | 0.044 | | | | | |
| | | | **Total Concentration:** | 0.044 | | | | | |
| **Client ID:** | **OU4-PCS-TC-07-021725** | | | | | | | | |
| Q1382-13 | OU4-PCS-TC-07-0 | SOIL | Acetone | 0.068 | | 0.0056 | 0.018 | 0.023 | mg/Kg |
| | | | **Total Voc :** | 0.068 | | | | | |
| | | | **Total Concentration:** | 0.068 | | | | | |
| **Client ID:** | **OU4-PCS-TC-08-021725** | | | | | | | | |
| Q1382-15 | OU4-PCS-TC-08-0 | SOIL | Acetone | 0.047 | | 0.0058 | 0.019 | 0.023 | mg/Kg |
| | | | **Total Voc :** | 0.047 | | | | | |
| | | | **Total Concentration:** | 0.047 | | | | | |
| **Client ID:** | **OU4-PCS-TC-09-021725** | | | | | | | | |
| Q1382-17 | OU4-PCS-TC-09-0 | SOIL | Acetone | 0.049 | | 0.0058 | 0.019 | 0.023 | mg/Kg |
| | | | **Total Voc :** | 0.049 | | | | | |
| | | | **Total Concentration:** | 0.049 | | | | | |
| **Client ID:** | **OU4-PCS-TC-10-021725** | | | | | | | | |
| Q1382-19 | OU4-PCS-TC-10-0 | SOIL | Acetone | 0.025 | | 0.0056 | 0.018 | 0.023 | mg/Kg |
| | | | **Total Voc :** | 0.025 | | | | | |
| | | | **Total Concentration:** | 0.025 | | | | | |

# QC SUMMARY

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## Surrogate Summary

**SDG No.:** Q1382

**Client:** Nobis Group

**Analytical Method:** SW8260D

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| Q1382-01 | OU4-PCS-TC-01-021725 | 1,2-Dichloroethane-d4 | 50 | 52.0 | 104 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 49.3 | 99 | 78 | 119 |
| | | Toluene-d8 | 50 | 49.5 | 99 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 48.0 | 96 | 79 | 119 |
| Q1382-03 | OU4-PCS-TC-02-021725 | 1,2-Dichloroethane-d4 | 50 | 57.1 | 114 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 50.2 | 100 | 78 | 119 |
| | | Toluene-d8 | 50 | 49.5 | 99 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 48.6 | 97 | 79 | 119 |
| Q1382-05 | OU4-PCS-TC-03-021725 | 1,2-Dichloroethane-d4 | 50 | 61.1 | 122 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 51.2 | 102 | 78 | 119 |
| | | Toluene-d8 | 50 | 49.8 | 100 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 50.7 | 101 | 79 | 119 |
| Q1382-07 | OU4-PCS-TC-04-021725 | 1,2-Dichloroethane-d4 | 50 | 63.6 | 127 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 51.1 | 102 | 78 | 119 |
| | | Toluene-d8 | 50 | 51.3 | 103 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 50.6 | 101 | 79 | 119 |
| Q1382-09 | OU4-PCS-TC-05-021725 | 1,2-Dichloroethane-d4 | 50 | 61.5 | 123 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 51.6 | 103 | 78 | 119 |
| | | Toluene-d8 | 50 | 51.2 | 102 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 50.4 | 101 | 79 | 119 |
| Q1382-11 | OU4-PCS-TC-06-021725 | 1,2-Dichloroethane-d4 | 50 | 59.9 | 120 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 51.0 | 102 | 78 | 119 |
| | | Toluene-d8 | 50 | 51.0 | 102 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 50.5 | 101 | 79 | 119 |
| Q1382-13 | OU4-PCS-TC-07-021725 | 1,2-Dichloroethane-d4 | 50 | 62.8 | 126 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 50.9 | 102 | 78 | 119 |
| | | Toluene-d8 | 50 | 50.9 | 102 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 51.0 | 102 | 79 | 119 |
| Q1382-15 | OU4-PCS-TC-08-021725 | 1,2-Dichloroethane-d4 | 50 | 56.1 | 112 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 49.6 | 99 | 78 | 119 |
| | | Toluene-d8 | 50 | 50.6 | 101 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 48.2 | 96 | 79 | 119 |
| Q1382-17 | OU4-PCS-TC-09-021725 | 1,2-Dichloroethane-d4 | 50 | 61.6 | 123 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 50.9 | 102 | 78 | 119 |
| | | Toluene-d8 | 50 | 51.2 | 102 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 50.1 | 100 | 79 | 119 |
| Q1382-19 | OU4-PCS-TC-10-021725 | 1,2-Dichloroethane-d4 | 50 | 53.5 | 107 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 50.0 | 100 | 78 | 119 |
| | | Toluene-d8 | 50 | 49.4 | 99 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 52.1 | 104 | 79 | 119 |
| VY0219SBL01 | VY0219SBL01 | 1,2-Dichloroethane-d4 | 50 | 54.2 | 108 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 50.2 | 100 | 78 | 119 |
| | | Toluene-d8 | 50 | 49.6 | 99 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 47.8 | 96 | 79 | 119 |
| VY0219SBS01 | VY0219SBS01 | 1,2-Dichloroethane-d4 | 50 | 50.3 | 101 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 48.6 | 97 | 78 | 119 |
| | | Toluene-d8 | 50 | 47.3 | 95 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 50.7 | 101 | 79 | 119 |
| VY0221SBL01 | VY0221SBL01 | 1,2-Dichloroethane-d4 | 50 | 56.5 | 113 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 50.6 | 101 | 78 | 119 |

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# Surrogate Summary

**SDG No.:** Q1382

**Client:** Nobis Group

**Analytical Method:** SW8260D

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| VY0221SBL01 | VY0221SBL01 | Toluene-d8 | 50 | 50.8 | 101 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 45.7 | 91 | 79 | 119 |
| VY0221SBS01 | VY0221SBS01 | 1,2-Dichloroethane-d4 | 50 | 49.2 | 98 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 47.0 | 94 | 78 | 119 |
| | | Toluene-d8 | 50 | 46.4 | 93 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 48.7 | 97 | 79 | 119 |
| VY0226SBL01 | VY0226SBL01 | 1,2-Dichloroethane-d4 | 50 | 53.1 | 106 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 49.5 | 99 | 78 | 119 |
| | | Toluene-d8 | 50 | 49.1 | 98 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 50.1 | 100 | 79 | 119 |
| VY0226SBS01 | VY0226SBS01 | 1,2-Dichloroethane-d4 | 50 | 46.7 | 93 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 47.4 | 95 | 78 | 119 |
| | | Toluene-d8 | 50 | 47.6 | 95 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 47.3 | 95 | 79 | 119 |
| VY0226SBSD01 | VY0226SBSD01 | 1,2-Dichloroethane-d4 | 50 | 48.5 | 97 | 71 | 136 |
| | | Dibromofluoromethane | 50 | 49.1 | 98 | 78 | 119 |
| | | Toluene-d8 | 50 | 49.9 | 100 | 85 | 116 |
| | | 4-Bromofluorobenzene | 50 | 50.3 | 101 | 79 | 119 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1382

**Client:** Nobis Group

**Analytical Method:** SW8260D **Datafile :** VY021238.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0219SBS01 | Dichlorodifluoromethane | 20 | 27.8 | ug/Kg | 139 | | | 29 | 149 | |
| | Chloromethane | 20 | 30.0 | ug/Kg | 150 | | * | 50 | 136 | |
| | Vinyl chloride | 20 | 29.0 | ug/Kg | 145 | | * | 56 | 135 | |
| | Bromomethane | 20 | 28.3 | ug/Kg | 142 | | | 53 | 143 | |
| | Chloroethane | 20 | 29.1 | ug/Kg | 146 | | * | 59 | 139 | |
| | Tetrahydrofuran | 100 | 120 | ug/Kg | 120 | | | 61 | 135 | |
| | Trichlorofluoromethane | 20 | 24.4 | ug/Kg | 122 | | | 62 | 140 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 23.3 | ug/Kg | 117 | | | 66 | 136 | |
| | 1,1-Dichloroethene | 20 | 23.7 | ug/Kg | 119 | | | 70 | 131 | |
| | Acrylonitrile | 100 | 110 | ug/Kg | 110 | | | 65 | 134 | |
| | Acetone | 100 | 130 | ug/Kg | 130 | | | 36 | 164 | |
| | Carbon disulfide | 20 | 24.6 | ug/Kg | 123 | | | 63 | 132 | |
| | Methyl tert-butyl Ether | 20 | 23.4 | ug/Kg | 117 | | | 73 | 125 | |
| | Methylene Chloride | 20 | 24.3 | ug/Kg | 121 | | | 70 | 128 | |
| | trans-1,2-Dichloroethene | 20 | 23.4 | ug/Kg | 117 | | | 74 | 125 | |
| | 1,1-Dichloroethane | 20 | 23.4 | ug/Kg | 117 | | | 76 | 125 | |
| | 2-Butanone | 100 | 120 | ug/Kg | 120 | | | 51 | 148 | |
| | Carbon Tetrachloride | 20 | 21.4 | ug/Kg | 107 | | | 70 | 135 | |
| | 2,2-Dichloropropane | 20 | 23.1 | ug/Kg | 116 | | | 67 | 133 | |
| | cis-1,2-Dichloroethene | 20 | 23.0 | ug/Kg | 115 | | | 77 | 123 | |
| | Chloroform | 20 | 23.3 | ug/Kg | 117 | | | 78 | 123 | |
| | 1,1,1-Trichloroethane | 20 | 22.7 | ug/Kg | 114 | | | 73 | 130 | |
| | 1,1-Dichloropropene | 20 | 22.1 | ug/Kg | 111 | | | 76 | 125 | |
| | Benzene | 20 | 22.6 | ug/Kg | 113 | | | 77 | 121 | |
| | 1,2-Dichloroethane | 20 | 22.7 | ug/Kg | 114 | | | 73 | 128 | |
| | Trichloroethene | 20 | 22.0 | ug/Kg | 110 | | | 77 | 123 | |
| | 1,2-Dichloropropane | 20 | 22.6 | ug/Kg | 113 | | | 76 | 123 | |
| | Dibromomethane | 20 | 21.2 | ug/Kg | 106 | | | 78 | 125 | |
| | Bromodichloromethane | 20 | 22.1 | ug/Kg | 111 | | | 75 | 127 | |
| | 4-Methyl-2-Pentanone | 100 | 110 | ug/Kg | 110 | | | 65 | 135 | |
| | Toluene | 20 | 22.6 | ug/Kg | 113 | | | 77 | 121 | |
| | t-1,3-Dichloropropene | 20 | 21.9 | ug/Kg | 110 | | | 71 | 130 | |
| | cis-1,3-Dichloropropene | 20 | 22.2 | ug/Kg | 111 | | | 74 | 126 | |
| | 1,1,2-Trichloroethane | 20 | 21.7 | ug/Kg | 109 | | | 78 | 121 | |
| | 1,3-Dichloropropane | 20 | 22.4 | ug/Kg | 112 | | | 77 | 121 | |
| | 2-Hexanone | 100 | 110 | ug/Kg | 110 | | | 53 | 145 | |
| | Dibromochloromethane | 20 | 21.4 | ug/Kg | 107 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 21.8 | ug/Kg | 109 | | | 78 | 122 | |
| | Tetrachloroethene | 20 | 21.8 | ug/Kg | 109 | | | 73 | 128 | |
| | Chlorobenzene | 20 | 21.9 | ug/Kg | 110 | | | 79 | 120 | |
| | 1,1,1,2-Tetrachloroethane | 20 | 21.9 | ug/Kg | 110 | | | 78 | 125 | |
| | Ethyl Benzene | 20 | 21.9 | ug/Kg | 110 | | | 76 | 122 | |
| | m/p-Xylenes | 40 | 45.1 | ug/Kg | 113 | | | 77 | 124 | |
| | o-Xylene | 20 | 22.4 | ug/Kg | 112 | | | 77 | 123 | |
| | Styrene | 20 | 22.2 | ug/Kg | 111 | | | 76 | 124 | |
| | Bromoform | 20 | 21.4 | ug/Kg | 107 | | | 67 | 132 | |
| | Isopropylbenzene | 20 | 21.3 | ug/Kg | 106 | | | 68 | 134 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 20.7 | ug/Kg | 104 | | | 70 | 124 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1382

**Client:** Nobis Group

**Analytical Method:** SW8260D **Datafile :** VY021238.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0219SBS01 | 1,2,3-Trichloropropane | 20 | 18.4 | ug/Kg | 92 | | | 73 | 125 | |
| | Bromobenzene | 20 | 20.7 | ug/Kg | 104 | | | 78 | 121 | |
| | N-propylbenzene | 20 | 21.6 | ug/Kg | 108 | | | 73 | 125 | |
| | 2-Chlorotoluene | 20 | 21.4 | ug/Kg | 107 | | | 75 | 122 | |
| | 1,3,5-Trimethylbenzene | 20 | 21.6 | ug/Kg | 108 | | | 73 | 124 | |
| | 4-Chlorotoluene | 20 | 21.9 | ug/Kg | 110 | | | 72 | 124 | |
| | tert-Butylbenzene | 20 | 21.2 | ug/Kg | 106 | | | 73 | 125 | |
| | 1,2,4-Trimethylbenzene | 20 | 21.6 | ug/Kg | 108 | | | 75 | 123 | |
| | Sec-butylbenzene | 20 | 21.1 | ug/Kg | 106 | | | 73 | 126 | |
| | p-Isopropyltoluene | 20 | 21.2 | ug/Kg | 106 | | | 73 | 127 | |
| | 1,3-Dichlorobenzene | 20 | 21.1 | ug/Kg | 106 | | | 77 | 121 | |
| | 1,4-Dichlorobenzene | 20 | 21.1 | ug/Kg | 106 | | | 75 | 120 | |
| | n-Butylbenzene | 20 | 21.2 | ug/Kg | 106 | | | 70 | 128 | |
| | 1,2-Dichlorobenzene | 20 | 20.8 | ug/Kg | 104 | | | 78 | 121 | |
| | 1,2-Dibromo-3-Chloropropane | 20 | 20.4 | ug/Kg | 102 | | | 61 | 132 | |
| | 1,2,4-Trichlorobenzene | 20 | 20.8 | ug/Kg | 104 | | | 67 | 129 | |
| | Hexachlorobutadiene | 20 | 20.7 | ug/Kg | 104 | | | 61 | 135 | |
| | 1,2,3-Trichlorobenzene | 20 | 20.5 | ug/Kg | 103 | | | 66 | 130 | |
| | trans-1,4-Dichloro-2-butene | 20 | 19.7 | ug/Kg | 99 | | | 62 | 136 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1382

**Client:** Nobis Group

**Analytical Method:** SW8260D **Datafile :** VY021277.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0221SBS01 | Dichlorodifluoromethane | 20 | 27.4 | ug/Kg | 137 | | | 29 | 149 | |
| | Chloromethane | 20 | 29.5 | ug/Kg | 148 | | * | 50 | 136 | |
| | Vinyl chloride | 20 | 28.2 | ug/Kg | 141 | | * | 56 | 135 | |
| | Bromomethane | 20 | 25.6 | ug/Kg | 128 | | | 53 | 143 | |
| | Chloroethane | 20 | 27.9 | ug/Kg | 140 | | * | 59 | 139 | |
| | Tetrahydrofuran | 100 | 120 | ug/Kg | 120 | | | 61 | 135 | |
| | Trichlorofluoromethane | 20 | 23.8 | ug/Kg | 119 | | | 62 | 140 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 22.8 | ug/Kg | 114 | | | 66 | 136 | |
| | 1,1-Dichloroethene | 20 | 22.6 | ug/Kg | 113 | | | 70 | 131 | |
| | Acrylonitrile | 100 | 120 | ug/Kg | 120 | | | 65 | 134 | |
| | Acetone | 100 | 120 | ug/Kg | 120 | | | 36 | 164 | |
| | Carbon disulfide | 20 | 23.6 | ug/Kg | 118 | | | 63 | 132 | |
| | Methyl tert-butyl Ether | 20 | 22.2 | ug/Kg | 111 | | | 73 | 125 | |
| | Methylene Chloride | 20 | 24.9 | ug/Kg | 125 | | | 70 | 128 | |
| | trans-1,2-Dichloroethene | 20 | 22.6 | ug/Kg | 113 | | | 74 | 125 | |
| | 1,1-Dichloroethane | 20 | 22.7 | ug/Kg | 114 | | | 76 | 125 | |
| | 2-Butanone | 100 | 120 | ug/Kg | 120 | | | 51 | 148 | |
| | Carbon Tetrachloride | 20 | 21.5 | ug/Kg | 108 | | | 70 | 135 | |
| | 2,2-Dichloropropane | 20 | 22.0 | ug/Kg | 110 | | | 67 | 133 | |
| | cis-1,2-Dichloroethene | 20 | 22.2 | ug/Kg | 111 | | | 77 | 123 | |
| | Chloroform | 20 | 22.6 | ug/Kg | 113 | | | 78 | 123 | |
| | 1,1,1-Trichloroethane | 20 | 22.8 | ug/Kg | 114 | | | 73 | 130 | |
| | 1,1-Dichloropropene | 20 | 22.3 | ug/Kg | 112 | | | 76 | 125 | |
| | Benzene | 20 | 22.3 | ug/Kg | 112 | | | 77 | 121 | |
| | 1,2-Dichloroethane | 20 | 22.8 | ug/Kg | 114 | | | 73 | 128 | |
| | Trichloroethene | 20 | 21.4 | ug/Kg | 107 | | | 77 | 123 | |
| | 1,2-Dichloropropane | 20 | 22.7 | ug/Kg | 114 | | | 76 | 123 | |
| | Dibromomethane | 20 | 22.4 | ug/Kg | 112 | | | 78 | 125 | |
| | Bromodichloromethane | 20 | 21.7 | ug/Kg | 109 | | | 75 | 127 | |
| | 4-Methyl-2-Pentanone | 100 | 120 | ug/Kg | 120 | | | 65 | 135 | |
| | Toluene | 20 | 22.1 | ug/Kg | 111 | | | 77 | 121 | |
| | t-1,3-Dichloropropene | 20 | 21.9 | ug/Kg | 110 | | | 71 | 130 | |
| | cis-1,3-Dichloropropene | 20 | 21.6 | ug/Kg | 108 | | | 74 | 126 | |
| | 1,1,2-Trichloroethane | 20 | 21.8 | ug/Kg | 109 | | | 78 | 121 | |
| | 1,3-Dichloropropane | 20 | 22.2 | ug/Kg | 111 | | | 77 | 121 | |
| | 2-Hexanone | 100 | 120 | ug/Kg | 120 | | | 53 | 145 | |
| | Dibromochloromethane | 20 | 21.3 | ug/Kg | 106 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 22.1 | ug/Kg | 111 | | | 78 | 122 | |
| | Tetrachloroethene | 20 | 21.2 | ug/Kg | 106 | | | 73 | 128 | |
| | Chlorobenzene | 20 | 21.2 | ug/Kg | 106 | | | 79 | 120 | |
| | 1,1,1,2-Tetrachloroethane | 20 | 21.2 | ug/Kg | 106 | | | 78 | 125 | |
| | Ethyl Benzene | 20 | 21.4 | ug/Kg | 107 | | | 76 | 122 | |
| | m/p-Xylenes | 40 | 43.0 | ug/Kg | 108 | | | 77 | 124 | |
| | o-Xylene | 20 | 21.2 | ug/Kg | 106 | | | 77 | 123 | |
| | Styrene | 20 | 21.7 | ug/Kg | 109 | | | 76 | 124 | |
| | Bromoform | 20 | 22.0 | ug/Kg | 110 | | | 67 | 132 | |
| | Isopropylbenzene | 20 | 20.0 | ug/Kg | 100 | | | 68 | 134 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 21.3 | ug/Kg | 106 | | | 70 | 124 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1382

**Client:** Nobis Group

**Analytical Method:** SW8260D **Datafile :** VY021277.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0221SBS01 | 1,2,3-Trichloropropane | 20 | 19.3 | ug/Kg | 97 | | | 73 | 125 | |
| | Bromobenzene | 20 | 19.7 | ug/Kg | 99 | | | 78 | 121 | |
| | N-propylbenzene | 20 | 20.5 | ug/Kg | 103 | | | 73 | 125 | |
| | 2-Chlorotoluene | 20 | 20.2 | ug/Kg | 101 | | | 75 | 122 | |
| | 1,3,5-Trimethylbenzene | 20 | 20.3 | ug/Kg | 102 | | | 73 | 124 | |
| | 4-Chlorotoluene | 20 | 20.3 | ug/Kg | 102 | | | 72 | 124 | |
| | tert-Butylbenzene | 20 | 19.5 | ug/Kg | 98 | | | 73 | 125 | |
| | 1,2,4-Trimethylbenzene | 20 | 20.6 | ug/Kg | 103 | | | 75 | 123 | |
| | Sec-butylbenzene | 20 | 20.2 | ug/Kg | 101 | | | 73 | 126 | |
| | p-Isopropyltoluene | 20 | 20.0 | ug/Kg | 100 | | | 73 | 127 | |
| | 1,3-Dichlorobenzene | 20 | 20.3 | ug/Kg | 102 | | | 77 | 121 | |
| | 1,4-Dichlorobenzene | 20 | 20.3 | ug/Kg | 102 | | | 75 | 120 | |
| | n-Butylbenzene | 20 | 20.3 | ug/Kg | 102 | | | 70 | 128 | |
| | 1,2-Dichlorobenzene | 20 | 20.7 | ug/Kg | 104 | | | 78 | 121 | |
| | 1,2-Dibromo-3-Chloropropane | 20 | 22.1 | ug/Kg | 111 | | | 61 | 132 | |
| | 1,2,4-Trichlorobenzene | 20 | 19.8 | ug/Kg | 99 | | | 67 | 129 | |
| | Hexachlorobutadiene | 20 | 19.5 | ug/Kg | 98 | | | 61 | 135 | |
| | 1,2,3-Trichlorobenzene | 20 | 20.7 | ug/Kg | 104 | | | 66 | 130 | |
| | trans-1,4-Dichloro-2-butene | 20 | 20.4 | ug/Kg | 102 | | | 62 | 136 | |

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

**SW-846**

**SDG No.:** Q1382

**Client:** Nobis Group

**Analytical Method:** SW8260D **Datafile :** VY021322.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0226SBS01 | Dichlorodifluoromethane | 20 | 19.5 | ug/Kg | 98 | | | 29 | 149 | |
| | Chloromethane | 20 | 18.9 | ug/Kg | 95 | | | 50 | 136 | |
| | Vinyl chloride | 20 | 19.3 | ug/Kg | 97 | | | 56 | 135 | |
| | Bromomethane | 20 | 19.2 | ug/Kg | 96 | | | 53 | 143 | |
| | Chloroethane | 20 | 19.0 | ug/Kg | 95 | | | 59 | 139 | |
| | Tetrahydrofuran | 100 | 94.2 | ug/Kg | 94 | | | 61 | 135 | |
| | Trichlorofluoromethane | 20 | 19.0 | ug/Kg | 95 | | | 62 | 140 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 19.8 | ug/Kg | 99 | | | 66 | 136 | |
| | 1,1-Dichloroethene | 20 | 19.0 | ug/Kg | 95 | | | 70 | 131 | |
| | Acrylonitrile | 100 | 95.9 | ug/Kg | 96 | | | 65 | 134 | |
| | Acetone | 100 | 94.9 | ug/Kg | 95 | | | 36 | 164 | |
| | Carbon disulfide | 20 | 18.6 | ug/Kg | 93 | | | 63 | 132 | |
| | Methyl tert-butyl Ether | 20 | 19.1 | ug/Kg | 96 | | | 73 | 125 | |
| | Methylene Chloride | 20 | 18.5 | ug/Kg | 93 | | | 70 | 128 | |
| | trans-1,2-Dichloroethene | 20 | 19.0 | ug/Kg | 95 | | | 74 | 125 | |
| | 1,1-Dichloroethane | 20 | 19.1 | ug/Kg | 96 | | | 76 | 125 | |
| | 2-Butanone | 100 | 92.9 | ug/Kg | 93 | | | 51 | 148 | |
| | Carbon Tetrachloride | 20 | 19.0 | ug/Kg | 95 | | | 70 | 135 | |
| | 2,2-Dichloropropane | 20 | 19.0 | ug/Kg | 95 | | | 67 | 133 | |
| | cis-1,2-Dichloroethene | 20 | 19.2 | ug/Kg | 96 | | | 77 | 123 | |
| | Chloroform | 20 | 19.3 | ug/Kg | 97 | | | 78 | 123 | |
| | 1,1,1-Trichloroethane | 20 | 19.2 | ug/Kg | 96 | | | 73 | 130 | |
| | 1,1-Dichloropropene | 20 | 19.2 | ug/Kg | 96 | | | 76 | 125 | |
| | Benzene | 20 | 19.3 | ug/Kg | 97 | | | 77 | 121 | |
| | 1,2-Dichloroethane | 20 | 19.2 | ug/Kg | 96 | | | 73 | 128 | |
| | Trichloroethene | 20 | 19.2 | ug/Kg | 96 | | | 77 | 123 | |
| | 1,2-Dichloropropane | 20 | 19.1 | ug/Kg | 96 | | | 76 | 123 | |
| | Dibromomethane | 20 | 19.5 | ug/Kg | 98 | | | 78 | 125 | |
| | Bromodichloromethane | 20 | 19.1 | ug/Kg | 96 | | | 75 | 127 | |
| | 4-Methyl-2-Pentanone | 100 | 93.3 | ug/Kg | 93 | | | 65 | 135 | |
| | Toluene | 20 | 19.3 | ug/Kg | 97 | | | 77 | 121 | |
| | t-1,3-Dichloropropene | 20 | 19.0 | ug/Kg | 95 | | | 71 | 130 | |
| | cis-1,3-Dichloropropene | 20 | 19.3 | ug/Kg | 97 | | | 74 | 126 | |
| | 1,1,2-Trichloroethane | 20 | 19.1 | ug/Kg | 96 | | | 78 | 121 | |
| | 1,3-Dichloropropane | 20 | 19.4 | ug/Kg | 97 | | | 77 | 121 | |
| | 2-Hexanone | 100 | 93.8 | ug/Kg | 94 | | | 53 | 145 | |
| | Dibromochloromethane | 20 | 19.3 | ug/Kg | 97 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 18.8 | ug/Kg | 94 | | | 78 | 122 | |
| | Tetrachloroethene | 20 | 19.2 | ug/Kg | 96 | | | 73 | 128 | |
| | Chlorobenzene | 20 | 19.0 | ug/Kg | 95 | | | 79 | 120 | |
| | 1,1,1,2-Tetrachloroethane | 20 | 19.6 | ug/Kg | 98 | | | 78 | 125 | |
| | Ethyl Benzene | 20 | 19.0 | ug/Kg | 95 | | | 76 | 122 | |
| | m/p-Xylenes | 40 | 38.8 | ug/Kg | 97 | | | 77 | 124 | |
| | o-Xylene | 20 | 19.3 | ug/Kg | 97 | | | 77 | 123 | |
| | Styrene | 20 | 19.3 | ug/Kg | 97 | | | 76 | 124 | |
| | Bromoform | 20 | 19.1 | ug/Kg | 96 | | | 67 | 132 | |
| | Isopropylbenzene | 20 | 19.1 | ug/Kg | 96 | | | 68 | 134 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 18.8 | ug/Kg | 94 | | | 70 | 124 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1382

**Client:** Nobis Group

**Analytical Method:** SW8260D **Datafile :** VY021322.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0226SBS01 | 1,2,3-Trichloropropane | 20 | 15.6 | ug/Kg | 78 | | | 73 | 125 | |
| | Bromobenzene | 20 | 18.9 | ug/Kg | 95 | | | 78 | 121 | |
| | N-propylbenzene | 20 | 19.3 | ug/Kg | 97 | | | 73 | 125 | |
| | 2-Chlorotoluene | 20 | 19.1 | ug/Kg | 96 | | | 75 | 122 | |
| | 1,3,5-Trimethylbenzene | 20 | 19.6 | ug/Kg | 98 | | | 73 | 124 | |
| | 4-Chlorotoluene | 20 | 19.2 | ug/Kg | 96 | | | 72 | 124 | |
| | tert-Butylbenzene | 20 | 19.1 | ug/Kg | 96 | | | 73 | 125 | |
| | 1,2,4-Trimethylbenzene | 20 | 19.3 | ug/Kg | 97 | | | 75 | 123 | |
| | Sec-butylbenzene | 20 | 19.5 | ug/Kg | 98 | | | 73 | 126 | |
| | p-Isopropyltoluene | 20 | 19.2 | ug/Kg | 96 | | | 73 | 127 | |
| | 1,3-Dichlorobenzene | 20 | 19.1 | ug/Kg | 96 | | | 77 | 121 | |
| | 1,4-Dichlorobenzene | 20 | 19.2 | ug/Kg | 96 | | | 75 | 120 | |
| | n-Butylbenzene | 20 | 18.9 | ug/Kg | 95 | | | 70 | 128 | |
| | 1,2-Dichlorobenzene | 20 | 18.8 | ug/Kg | 94 | | | 78 | 121 | |
| | 1,2-Dibromo-3-Chloropropane | 20 | 18.6 | ug/Kg | 93 | | | 61 | 132 | |
| | 1,2,4-Trichlorobenzene | 20 | 17.7 | ug/Kg | 89 | | | 67 | 129 | |
| | Hexachlorobutadiene | 20 | 18.7 | ug/Kg | 94 | | | 61 | 135 | |
| | 1,2,3-Trichlorobenzene | 20 | 17.9 | ug/Kg | 90 | | | 66 | 130 | |
| | trans-1,4-Dichloro-2-butene | 20 | 17.4 | ug/Kg | 87 | | | 62 | 136 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1382

**Client:** Nobis Group

**Analytical Method:** SW8260D **Datafile :** VY021323.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0226SBSD01 | Dichlorodifluoromethane | 20 | 19.2 | ug/Kg | 96 | 2 | | 29 | 149 | 20 |
| | Chloromethane | 20 | 19.6 | ug/Kg | 98 | 3 | | 50 | 136 | 20 |
| | Vinyl chloride | 20 | 19.4 | ug/Kg | 97 | 0 | | 56 | 135 | 20 |
| | Bromomethane | 20 | 19.4 | ug/Kg | 97 | 1 | | 53 | 143 | 20 |
| | Chloroethane | 20 | 19.6 | ug/Kg | 98 | 3 | | 59 | 139 | 20 |
| | Tetrahydrofuran | 100 | 99.2 | ug/Kg | 99 | 5 | | 61 | 135 | 20 |
| | Trichlorofluoromethane | 20 | 19.2 | ug/Kg | 96 | 1 | | 62 | 140 | 20 |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.0 | ug/Kg | 100 | 1 | | 66 | 136 | 20 |
| | 1,1-Dichloroethene | 20 | 19.2 | ug/Kg | 96 | 1 | | 70 | 131 | 20 |
| | Acrylonitrile | 100 | 95.5 | ug/Kg | 96 | 0 | | 65 | 134 | 20 |
| | Acetone | 100 | 91.3 | ug/Kg | 91 | 4 | | 36 | 164 | 20 |
| | Carbon disulfide | 20 | 19.2 | ug/Kg | 96 | 3 | | 63 | 132 | 20 |
| | Methyl tert-butyl Ether | 20 | 19.5 | ug/Kg | 98 | 2 | | 73 | 125 | 20 |
| | Methylene Chloride | 20 | 18.9 | ug/Kg | 95 | 2 | | 70 | 128 | 20 |
| | trans-1,2-Dichloroethene | 20 | 19.4 | ug/Kg | 97 | 2 | | 74 | 125 | 20 |
| | 1,1-Dichloroethane | 20 | 19.5 | ug/Kg | 98 | 2 | | 76 | 125 | 20 |
| | 2-Butanone | 100 | 94.4 | ug/Kg | 94 | 1 | | 51 | 148 | 20 |
| | Carbon Tetrachloride | 20 | 19.6 | ug/Kg | 98 | 3 | | 70 | 135 | 20 |
| | 2,2-Dichloropropane | 20 | 19.3 | ug/Kg | 97 | 2 | | 67 | 133 | 20 |
| | cis-1,2-Dichloroethene | 20 | 19.9 | ug/Kg | 100 | 4 | | 77 | 123 | 20 |
| | Chloroform | 20 | 19.5 | ug/Kg | 98 | 1 | | 78 | 123 | 20 |
| | 1,1,1-Trichloroethane | 20 | 19.2 | ug/Kg | 96 | 0 | | 73 | 130 | 20 |
| | 1,1-Dichloropropene | 20 | 20.0 | ug/Kg | 100 | 4 | | 76 | 125 | 20 |
| | Benzene | 20 | 19.9 | ug/Kg | 100 | 3 | | 77 | 121 | 20 |
| | 1,2-Dichloroethane | 20 | 19.7 | ug/Kg | 99 | 3 | | 73 | 128 | 20 |
| | Trichloroethene | 20 | 19.6 | ug/Kg | 98 | 2 | | 77 | 123 | 20 |
| | 1,2-Dichloropropane | 20 | 19.6 | ug/Kg | 98 | 2 | | 76 | 123 | 20 |
| | Dibromomethane | 20 | 19.4 | ug/Kg | 97 | 1 | | 78 | 125 | 20 |
| | Bromodichloromethane | 20 | 19.5 | ug/Kg | 98 | 2 | | 75 | 127 | 20 |
| | 4-Methyl-2-Pentanone | 100 | 97.8 | ug/Kg | 98 | 5 | | 65 | 135 | 20 |
| | Toluene | 20 | 19.7 | ug/Kg | 99 | 2 | | 77 | 121 | 20 |
| | t-1,3-Dichloropropene | 20 | 19.8 | ug/Kg | 99 | 4 | | 71 | 130 | 20 |
| | cis-1,3-Dichloropropene | 20 | 19.3 | ug/Kg | 97 | 0 | | 74 | 126 | 20 |
| | 1,1,2-Trichloroethane | 20 | 19.4 | ug/Kg | 97 | 1 | | 78 | 121 | 20 |
| | 1,3-Dichloropropane | 20 | 20.1 | ug/Kg | 101 | 4 | | 77 | 121 | 20 |
| | 2-Hexanone | 100 | 96.5 | ug/Kg | 97 | 3 | | 53 | 145 | 20 |
| | Dibromochloromethane | 20 | 19.8 | ug/Kg | 99 | 2 | | 74 | 126 | 20 |
| | 1,2-Dibromoethane | 20 | 19.4 | ug/Kg | 97 | 3 | | 78 | 122 | 20 |
| | Tetrachloroethene | 20 | 19.7 | ug/Kg | 99 | 3 | | 73 | 128 | 20 |
| | Chlorobenzene | 20 | 19.6 | ug/Kg | 98 | 3 | | 79 | 120 | 20 |
| | 1,1,1,2-Tetrachloroethane | 20 | 19.4 | ug/Kg | 97 | 1 | | 78 | 125 | 20 |
| | Ethyl Benzene | 20 | 19.2 | ug/Kg | 96 | 1 | | 76 | 122 | 20 |
| | m/p-Xylenes | 40 | 38.6 | ug/Kg | 97 | 0 | | 77 | 124 | 20 |
| | o-Xylene | 20 | 19.4 | ug/Kg | 97 | 0 | | 77 | 123 | 20 |
| | Styrene | 20 | 19.8 | ug/Kg | 99 | 2 | | 76 | 124 | 20 |
| | Bromoform | 20 | 19.1 | ug/Kg | 96 | 0 | | 67 | 132 | 20 |
| | Isopropylbenzene | 20 | 19.7 | ug/Kg | 99 | 3 | | 68 | 134 | 20 |
| | 1,1,2,2-Tetrachloroethane | 20 | 19.4 | ug/Kg | 97 | 3 | | 70 | 124 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1382

**Client:** Nobis Group

**Analytical Method:** SW8260D **Datafile :** VY021323.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0226SBSD01 | 1,2,3-Trichloropropane | 20 | 14.9 | ug/Kg | 75 | 4 | | 73 | 125 | 20 |
| | Bromobenzene | 20 | 19.4 | ug/Kg | 97 | 2 | | 78 | 121 | 20 |
| | N-propylbenzene | 20 | 19.5 | ug/Kg | 98 | 1 | | 73 | 125 | 20 |
| | 2-Chlorotoluene | 20 | 19.5 | ug/Kg | 98 | 2 | | 75 | 122 | 20 |
| | 1,3,5-Trimethylbenzene | 20 | 19.7 | ug/Kg | 99 | 1 | | 73 | 124 | 20 |
| | 4-Chlorotoluene | 20 | 19.4 | ug/Kg | 97 | 1 | | 72 | 124 | 20 |
| | tert-Butylbenzene | 20 | 19.3 | ug/Kg | 97 | 1 | | 73 | 125 | 20 |
| | 1,2,4-Trimethylbenzene | 20 | 19.7 | ug/Kg | 99 | 2 | | 75 | 123 | 20 |
| | Sec-butylbenzene | 20 | 19.6 | ug/Kg | 98 | 0 | | 73 | 126 | 20 |
| | p-Isopropyltoluene | 20 | 19.5 | ug/Kg | 98 | 2 | | 73 | 127 | 20 |
| | 1,3-Dichlorobenzene | 20 | 19.7 | ug/Kg | 99 | 3 | | 77 | 121 | 20 |
| | 1,4-Dichlorobenzene | 20 | 19.8 | ug/Kg | 99 | 3 | | 75 | 120 | 20 |
| | n-Butylbenzene | 20 | 19.5 | ug/Kg | 98 | 3 | | 70 | 128 | 20 |
| | 1,2-Dichlorobenzene | 20 | 19.5 | ug/Kg | 98 | 4 | | 78 | 121 | 20 |
| | 1,2-Dibromo-3-Chloropropane | 20 | 18.0 | ug/Kg | 90 | 3 | | 61 | 132 | 20 |
| | 1,2,4-Trichlorobenzene | 20 | 19.0 | ug/Kg | 95 | 7 | | 67 | 129 | 20 |
| | Hexachlorobutadiene | 20 | 19.1 | ug/Kg | 96 | 2 | | 61 | 135 | 20 |
| | 1,2,3-Trichlorobenzene | 20 | 18.9 | ug/Kg | 95 | 5 | | 66 | 130 | 20 |
| | trans-1,4-Dichloro-2-butene | 20 | 18.4 | ug/Kg | 92 | 6 | | 62 | 136 | 20 |

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0219SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021237.D Lab Sample ID: VY0219SBL01

Date Analyzed: 02/19/2025 Time Analyzed: 15:21

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VY0219SBS01 | VY0219SBS01 | VY021238.D | 02/19/2025 |
| OU4-PCS-TC-01-021725 | Q1382-01 | VY021242.D | 02/19/2025 |
| OU4-PCS-TC-02-021725 | Q1382-03 | VY021243.D | 02/19/2025 |
| OU4-PCS-TC-03-021725 | Q1382-05 | VY021244.D | 02/19/2025 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0221SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021276.D Lab Sample ID: VY0221SBL01

Date Analyzed: 02/21/2025 Time Analyzed: 11:12

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VY0221SBS01 | VY0221SBS01 | VY021277.D | 02/21/2025 |
| OU4-PCS-TC-04-021725 | Q1382-07 | VY021290.D | 02/21/2025 |
| OU4-PCS-TC-05-021725 | Q1382-09 | VY021291.D | 02/21/2025 |
| OU4-PCS-TC-06-021725 | Q1382-11 | VY021292.D | 02/21/2025 |
| OU4-PCS-TC-07-021725 | Q1382-13 | VY021293.D | 02/21/2025 |
| OU4-PCS-TC-08-021725 | Q1382-15 | VY021294.D | 02/21/2025 |
| OU4-PCS-TC-09-021725 | Q1382-17 | VY021295.D | 02/21/2025 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0226SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021321.D Lab Sample ID: VY0226SBL01

Date Analyzed: 02/26/2025 Time Analyzed: 10:50

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VY0226SBS01 | VY0226SBS01 | VY021322.D | 02/26/2025 |
| VY0226SBSD01 | VY0226SBSD01 | VY021323.D | 02/26/2025 |
| OU4-PCS-TC-10-021725 | Q1382-19 | VY021331.D | 02/26/2025 |

COMMENTS:

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

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021019.D BFB Injection Date: 02/03/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:51

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 15.3 |
| 75 | 30.0 - 60.0% of mass 95 | 49 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.3 ( 0.4 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 89.7 |
| 175 | 5.0 - 9.0% of mass 174 | 7 ( 7.8 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 87 ( 97 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.9 ( 6.8 ) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC005 | VSTDICC005 | VY021020.D | 02/03/2025 | 10:35 |
| VSTDICC010 | VSTDICC010 | VY021021.D | 02/03/2025 | 10:57 |
| VSTDICC020 | VSTDICC020 | VY021022.D | 02/03/2025 | 11:20 |
| VSTDICCC050 | VSTDICCC050 | VY021023.D | 02/03/2025 | 11:43 |
| VSTDICC100 | VSTDICC100 | VY021024.D | 02/03/2025 | 12:21 |
| VSTDICC150 | VSTDICC150 | VY021025.D | 02/03/2025 | 12:44 |

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

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021235.D BFB Injection Date: 02/19/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:09

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 20.6 |
| 75 | 30.0 - 60.0% of mass 95 | 54.3 |
| 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 | 1.1 ( 1.3 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 84.8 |
| 175 | 5.0 - 9.0% of mass 174 | 6.4 ( 7.6 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 81.6 ( 96.3 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.4 ( 6.6 ) 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 |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VY021236.D | 02/19/2025 | 14:55 |
| VY0219SBL01 | VY0219SBL01 | VY021237.D | 02/19/2025 | 15:21 |
| VY0219SBS01 | VY0219SBS01 | VY021238.D | 02/19/2025 | 15:49 |
| OU4-PCS-TC-01-021725 | Q1382-01 | VY021242.D | 02/19/2025 | 17:22 |
| OU4-PCS-TC-02-021725 | Q1382-03 | VY021243.D | 02/19/2025 | 17:45 |
| OU4-PCS-TC-03-021725 | Q1382-05 | VY021244.D | 02/19/2025 | 18:09 |
| VSTDCCC050EC | VSTDCCC050 | VY021245.D | 02/19/2025 | 18:32 |

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

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021274.D BFB Injection Date: 02/21/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:06

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 21.9 |
| 75 | 30.0 - 60.0% of mass 95 | 56.5 |
| 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 | 1.2 ( 1.5 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 82.5 |
| 175 | 5.0 - 9.0% of mass 174 | 6.5 ( 7.8 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 79.3 ( 96.2 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.4 ( 6.8 ) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VY021275.D | 02/21/2025 | 09:37 |
| VY0221SBL01 | VY0221SBL01 | VY021276.D | 02/21/2025 | 11:12 |
| VY0221SBS01 | VY0221SBS01 | VY021277.D | 02/21/2025 | 11:43 |
| OU4-PCS-TC-04-021725 | Q1382-07 | VY021290.D | 02/21/2025 | 16:57 |
| OU4-PCS-TC-05-021725 | Q1382-09 | VY021291.D | 02/21/2025 | 17:21 |
| OU4-PCS-TC-06-021725 | Q1382-11 | VY021292.D | 02/21/2025 | 17:44 |
| OU4-PCS-TC-07-021725 | Q1382-13 | VY021293.D | 02/21/2025 | 18:08 |
| OU4-PCS-TC-08-021725 | Q1382-15 | VY021294.D | 02/21/2025 | 18:31 |
| OU4-PCS-TC-09-021725 | Q1382-17 | VY021295.D | 02/21/2025 | 18:54 |
| VSTDCCC050EC | VSTDCCC050 | VY021298.D | 02/21/2025 | 20:27 |

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

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021308.D BFB Injection Date: 02/25/2025

Instrument ID: MSVOA_Y BFB Injection Time: 12:10

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 20.8 |
| 75 | 30.0 - 60.0% of mass 95 | 55.4 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 0.7 ( 0.8 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 84.7 |
| 175 | 5.0 - 9.0% of mass 174 | 6.4 ( 7.5 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 83.6 ( 98.8 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.5 ( 6.5 ) 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 | VY021309.D | 02/25/2025 | 12:40 |
| VSTDICC010 | VSTDICC010 | VY021310.D | 02/25/2025 | 13:03 |
| VSTDICC020 | VSTDICC020 | VY021311.D | 02/25/2025 | 13:26 |
| VSTDICCC050 | VSTDICCC050 | VY021312.D | 02/25/2025 | 14:48 |
| VSTDICC150 | VSTDICC150 | VY021314.D | 02/25/2025 | 15:57 |
| VSTDICC100 | VSTDICC100 | VY021316.D | 02/25/2025 | 16:49 |

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

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021319.D BFB Injection Date: 02/26/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:12

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 21.5 |
| 75 | 30.0 - 60.0% of mass 95 | 55.4 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 1.2 ( 1.5 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 78.5 |
| 175 | 5.0 - 9.0% of mass 174 | 6.5 ( 8.3 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 75.9 ( 96.7 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.1 ( 6.7 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VY021320.D | 02/26/2025 | 10:11 |
| VY0226SBL01 | VY0226SBL01 | VY021321.D | 02/26/2025 | 10:50 |
| VY0226SBS01 | VY0226SBS01 | VY021322.D | 02/26/2025 | 11:22 |
| VY0226SBSD01 | VY0226SBSD01 | VY021323.D | 02/26/2025 | 11:44 |
| OU4-PCS-TC-10-021725 | Q1382-19 | VY021331.D | 02/26/2025 | 15:04 |
| VSTDCCC050EC | VSTDCCC050 | VY021344.D | 02/26/2025 | 20:06 |

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021236.D Date Analyzed: 02/19/2025

Instrument ID: MSVOA_Y Time Analyzed: 14:55

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 200462 | 7.72 | 311138 | 8.63 | 266562 | 11.43 |
| UPPER LIMIT | 400924 | 8.219 | 622276 | 9.128 | 533124 | 11.926 |
| LOWER LIMIT | 100231 | 7.219 | 155569 | 8.128 | 133281 | 10.926 |
| EPA SAMPLE NO. | | | | | | |
| OU4-PCS-TC-01-021725 | 215345 | 7.72 | 410030 | 8.62 | 371656 | 11.42 |
| OU4-PCS-TC-02-021725 | 210258 | 7.72 | 406195 | 8.62 | 371758 | 11.42 |
| OU4-PCS-TC-03-021725 | 207032 | 7.71 | 397674 | 8.62 | 367484 | 11.42 |
| VY0219SBL01 | 252953 | 7.72 | 478949 | 8.62 | 429832 | 11.43 |
| VY0219SBS01 | 187422 | 7.71 | 302089 | 8.62 | 255752 | 11.42 |

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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021236.D Date Analyzed: 02/19/2025

Instrument ID: MSVOA_Y Time Analyzed: 14:55

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 126814 | 13.359 | | | | |
| UPPER LIMIT | 253628 | 13.859 | | | | |
| LOWER LIMIT | 63407 | 12.859 | | | | |
| EPA SAMPLE NO. | | | | | | |
| OU4-PCS-TC-01-021725 | 143607 | 13.35 | | | | |
| OU4-PCS-TC-02-021725 | 144547 | 13.35 | | | | |
| OU4-PCS-TC-03-021725 | 147214 | 13.35 | | | | |
| VY0219SBL01 | 157077 | 13.35 | | | | |
| VY0219SBS01 | 127239 | 13.35 | | | | |

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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021275.D Date Analyzed: 02/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:37

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 134641 | 7.73 | 218893 | 8.63 | 189433 | 11.43 |
| UPPER LIMIT | 269282 | 8.226 | 437786 | 9.128 | 378866 | 11.926 |
| LOWER LIMIT | 67320.5 | 7.226 | 109447 | 8.128 | 94716.5 | 10.926 |
| EPA SAMPLE NO. | | | | | | |
| OU4-PCS-TC-04-021725 | 165765 | 7.71 | 323525 | 8.62 | 308440 | 11.42 |
| OU4-PCS-TC-05-021725 | 167051 | 7.71 | 318752 | 8.62 | 306730 | 11.42 |
| OU4-PCS-TC-06-021725 | 166371 | 7.71 | 325610 | 8.62 | 311285 | 11.42 |
| OU4-PCS-TC-07-021725 | 164423 | 7.71 | 323654 | 8.62 | 310093 | 11.42 |
| OU4-PCS-TC-08-021725 | 161604 | 7.71 | 318713 | 8.62 | 297417 | 11.42 |
| OU4-PCS-TC-09-021725 | 166279 | 7.71 | 325364 | 8.62 | 310511 | 11.42 |
| VY0221SBL01 | 172979 | 7.72 | 332665 | 8.62 | 302645 | 11.43 |
| VY0221SBS01 | 142077 | 7.72 | 225088 | 8.62 | 194706 | 11.43 |

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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021275.D Date Analyzed: 02/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:37

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 91135 | 13.359 | | | | |
| UPPER LIMIT | 182270 | 13.859 | | | | |
| LOWER LIMIT | 45567.5 | 12.859 | | | | |
| EPA SAMPLE NO. | | | | | | |
| OU4-PCS-TC-04-021725 | 125474 | 13.35 | | | | |
| OU4-PCS-TC-05-021725 | 122113 | 13.35 | | | | |
| OU4-PCS-TC-06-021725 | 126553 | 13.35 | | | | |
| OU4-PCS-TC-07-021725 | 128437 | 13.35 | | | | |
| OU4-PCS-TC-08-021725 | 119366 | 13.35 | | | | |
| OU4-PCS-TC-09-021725 | 124714 | 13.35 | | | | |
| VY0221SBL01 | 107899 | 13.35 | | | | |
| VY0221SBS01 | 99790 | 13.36 | | | | |

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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021320.D Date Analyzed: 02/26/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 193888 | 7.71 | 308714 | 8.62 | 268805 | 11.42 |
| UPPER LIMIT | 387776 | 8.213 | 617428 | 9.116 | 537610 | 11.92 |
| LOWER LIMIT | 96944 | 7.213 | 154357 | 8.116 | 134403 | 10.92 |
| EPA SAMPLE NO. | | | | | | |
| OU4-PCS-TC-10-021725 | 237861 | 7.71 | 473473 | 8.62 | 472235 | 11.41 |
| VY0226SBL01 | 251129 | 7.71 | 483695 | 8.62 | 470141 | 11.42 |
| VY0226SBS01 | 184417 | 7.71 | 291138 | 8.62 | 254891 | 11.41 |
| VY0226SBSD01 | 186200 | 7.71 | 292071 | 8.62 | 258744 | 11.41 |

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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Lab File ID: VY021320.D Date Analyzed: 02/26/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 131935 | 13.347 | | | | |
| UPPER LIMIT | 263870 | 13.847 | | | | |
| LOWER LIMIT | 65967.5 | 12.847 | | | | |
| EPA SAMPLE NO. | | | | | | |
| OU4-PCS-TC-10-021725 | 207899 | 13.35 | | | | |
| VY0226SBL01 | 192201 | 13.35 | | | | |
| VY0226SBS01 | 128725 | 13.35 | | | | |
| VY0226SBSD01 | 129829 | 13.35 | | | | |

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: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-01-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 91.9 |
| Sample Wt/Vol: | 5.51 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021242.D | 1 | | 02/19/25 17:22 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0039 | U | 0.0016 | 0.0039 | 0.0049 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0025 | UQ | 0.0011 | 0.0025 | 0.0049 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0025 | UQ | 0.00076 | 0.0025 | 0.0049 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0039 | U | 0.0010 | 0.0039 | 0.0049 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0025 | UQ | 0.0010 | 0.0025 | 0.0049 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.012 | U | 0.0052 | 0.012 | 0.025 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0039 | U | 0.00090 | 0.0039 | 0.0049 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0025 | U | 0.0011 | 0.0025 | 0.0049 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0025 | U | 0.00077 | 0.0025 | 0.0049 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.012 | U | 0.0049 | 0.012 | 0.025 | mg/Kg |
| 67-64-1 | Acetone | 0.020 | U | 0.0062 | 0.020 | 0.025 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0039 | U | 0.0013 | 0.0039 | 0.0049 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0025 | U | 0.00066 | 0.0025 | 0.0049 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0079 | U | 0.0034 | 0.0079 | 0.0099 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0025 | U | 0.00083 | 0.0025 | 0.0049 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0025 | U | 0.00062 | 0.0025 | 0.0049 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.020 | U | 0.0056 | 0.020 | 0.025 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0025 | U | 0.00086 | 0.0025 | 0.0049 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0039 | U | 0.0016 | 0.0039 | 0.0049 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0025 | U | 0.00060 | 0.0025 | 0.0049 | mg/Kg |
| 67-66-3 | Chloroform | 0.0039 | U | 0.00066 | 0.0039 | 0.0049 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0025 | U | 0.00077 | 0.0025 | 0.0049 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0025 | U | 0.00072 | 0.0025 | 0.0049 | mg/Kg |
| 71-43-2 | Benzene | 0.0025 | U | 0.00071 | 0.0025 | 0.0049 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0025 | U | 0.00060 | 0.0025 | 0.0049 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0025 | U | 0.00074 | 0.0025 | 0.0049 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0025 | U | 0.00065 | 0.0025 | 0.0049 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0025 | U | 0.00061 | 0.0025 | 0.0049 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0025 | U | 0.00055 | 0.0025 | 0.0049 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.012 | U | 0.0043 | 0.012 | 0.025 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-01-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 91.9 |
| Sample Wt/Vol: | 5.51 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021242.D | 1 | | 02/19/25 17:22 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0025 | U | 0.00066 | 0.0025 | 0.0049 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0025 | U | 0.00059 | 0.0025 | 0.0049 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0025 | U | 0.00056 | 0.0025 | 0.0049 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0025 | U | 0.00083 | 0.0025 | 0.0049 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0025 | U | 0.00058 | 0.0025 | 0.0049 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.012 | U | 0.0047 | 0.012 | 0.025 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0025 | U | 0.00064 | 0.0025 | 0.0049 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0025 | U | 0.00078 | 0.0025 | 0.0049 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0025 | U | 0.00088 | 0.0025 | 0.0049 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0025 | U | 0.00073 | 0.0025 | 0.0049 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0025 | U | 0.00063 | 0.0025 | 0.0049 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0025 | U | 0.00061 | 0.0025 | 0.0049 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0049 | U | 0.0013 | 0.0049 | 0.0099 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0074 | U | 0.0020 | 0.0074 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0025 | U | 0.00069 | 0.0025 | 0.0049 | mg/Kg |
| 100-42-5 | Styrene | 0.0025 | U | 0.00059 | 0.0025 | 0.0049 | mg/Kg |
| 75-25-2 | Bromoform | 0.0025 | U | 0.00080 | 0.0025 | 0.0049 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0025 | U | 0.00066 | 0.0025 | 0.0049 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0025 | U | 0.0011 | 0.0025 | 0.0049 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0039 | U | 0.0012 | 0.0039 | 0.0049 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0025 | U | 0.00064 | 0.0025 | 0.0049 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0025 | U | 0.00063 | 0.0025 | 0.0049 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0025 | U | 0.00061 | 0.0025 | 0.0049 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0025 | U | 0.00063 | 0.0025 | 0.0049 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0025 | U | 0.00058 | 0.0025 | 0.0049 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0025 | U | 0.00066 | 0.0025 | 0.0049 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0025 | U | 0.0014 | 0.0025 | 0.0049 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0025 | U | 0.00066 | 0.0025 | 0.0049 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0025 | U | 0.00057 | 0.0025 | 0.0049 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0025 | U | 0.00073 | 0.0025 | 0.0049 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0025 | U | 0.00079 | 0.0025 | 0.0049 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-01-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 91.9 |
| Sample Wt/Vol: | 5.51 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021242.D | 1 | | 02/19/25 17:22 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0025 | U | 0.00062 | 0.0025 | 0.0049 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0025 | U | 0.00058 | 0.0025 | 0.0049 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0039 | U | 0.0015 | 0.0039 | 0.0049 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0025 | U | 0.00078 | 0.0025 | 0.0049 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0025 | U | 0.00080 | 0.0025 | 0.0049 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0025 | U | 0.00077 | 0.0025 | 0.0049 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0025 | U | 0.00079 | 0.0025 | 0.0049 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.0 | | 71 - 136 | | 104% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.3 | | 78 - 119 | | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.5 | | 85 - 116 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.0 | | 79 - 119 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 215000 | 7.72 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 410000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 372000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 144000 | 13.353 | | | | |

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_Y\Data\VY021925\
Data File : VY021242.D
Acq On : 19 Feb 2025 17:22
Operator : SY/MD
Sample : Q1382-01
Misc : 5.51g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-01-021725

Quant Time: Feb 20 00:20:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.720 | 168 | 215345 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 410030 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 371656 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 143607 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 114803 | 52.032 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 104.060% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 129417 | 49.250 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 98.500% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 495381 | 49.518 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 99.040% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 156897 | 48.006 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 96.020% | | | |

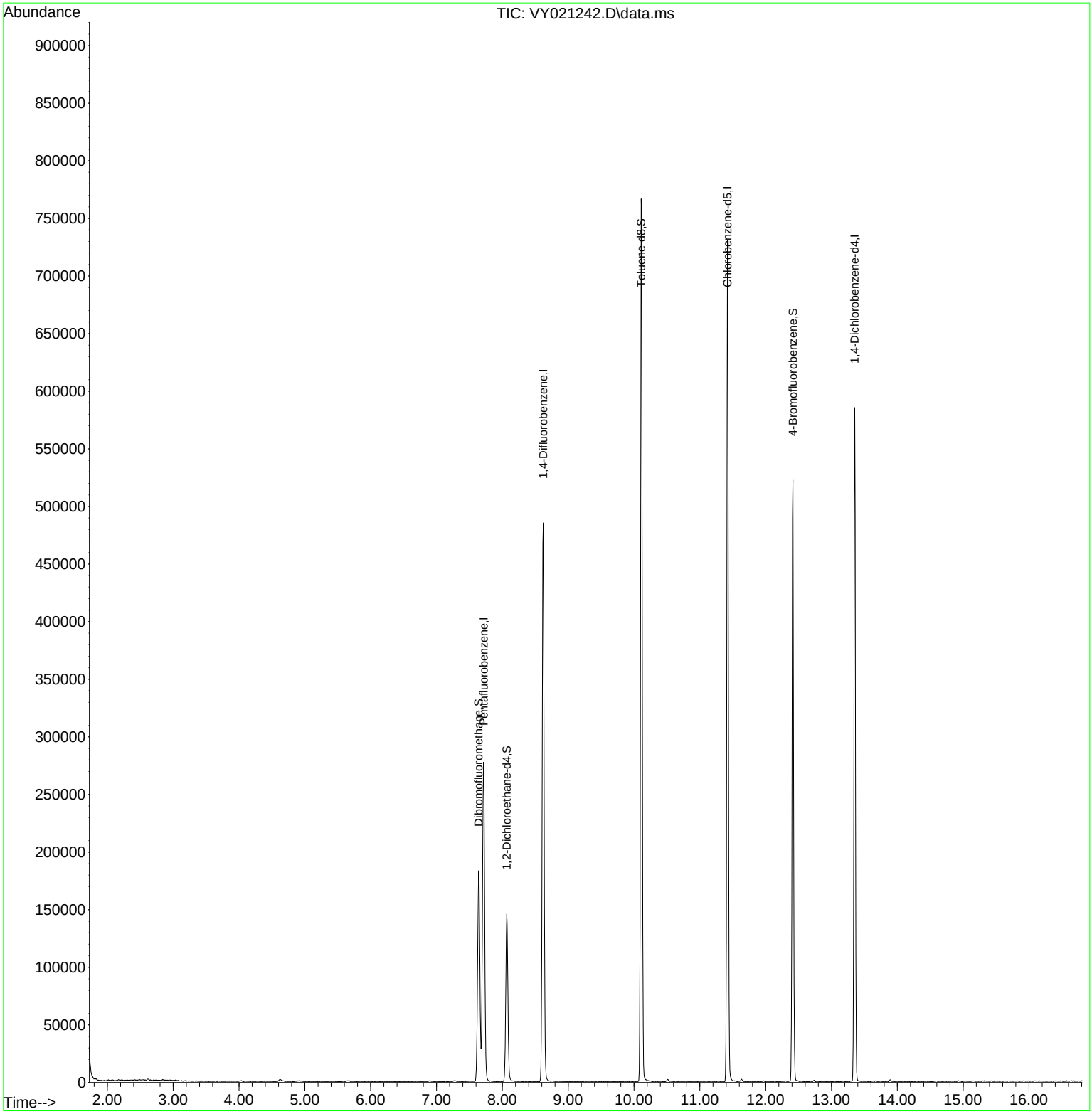
Target Compounds Qvalue

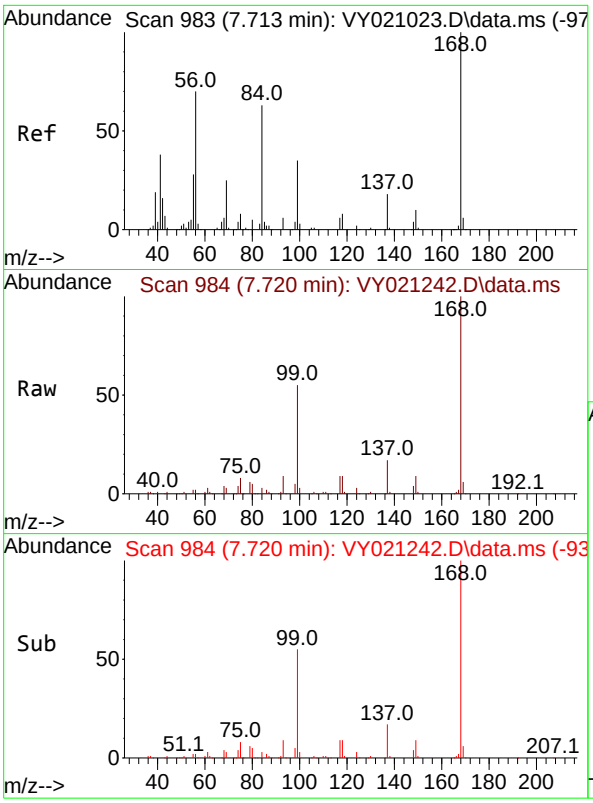
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021242.D
Acq On : 19 Feb 2025 17:22
Operator : SY/MD
Sample : Q1382-01
Misc : 5.51g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-01-021725

Quant Time: Feb 20 00:20:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



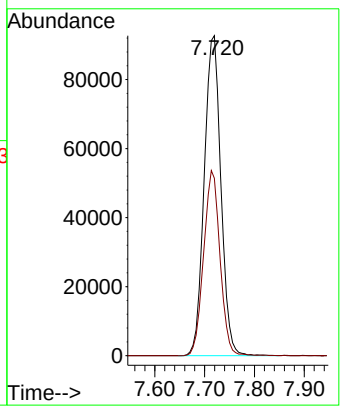


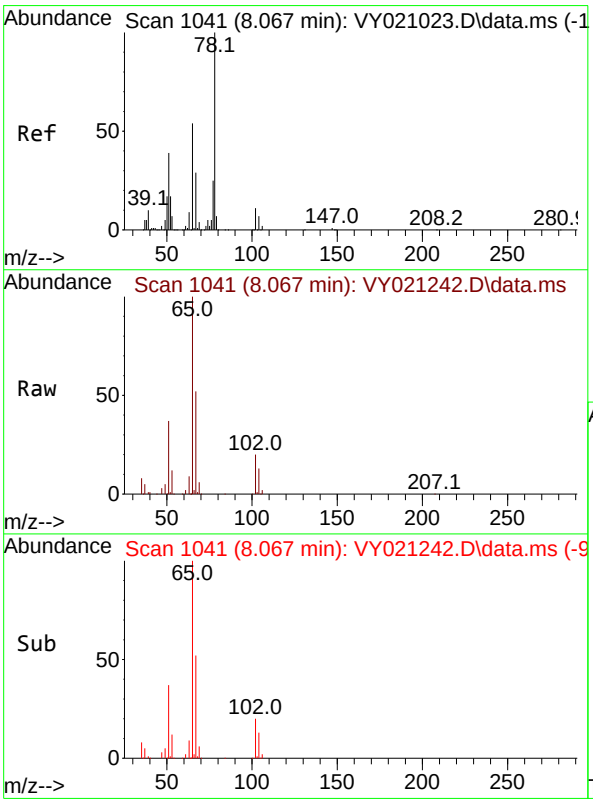

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. 0.007 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-01-021725

Tgt Ion:168 Resp: 215345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.5 | 44.2 | 66.4 |

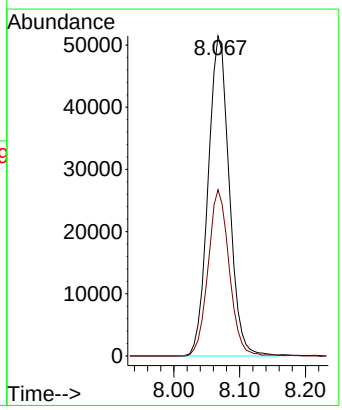


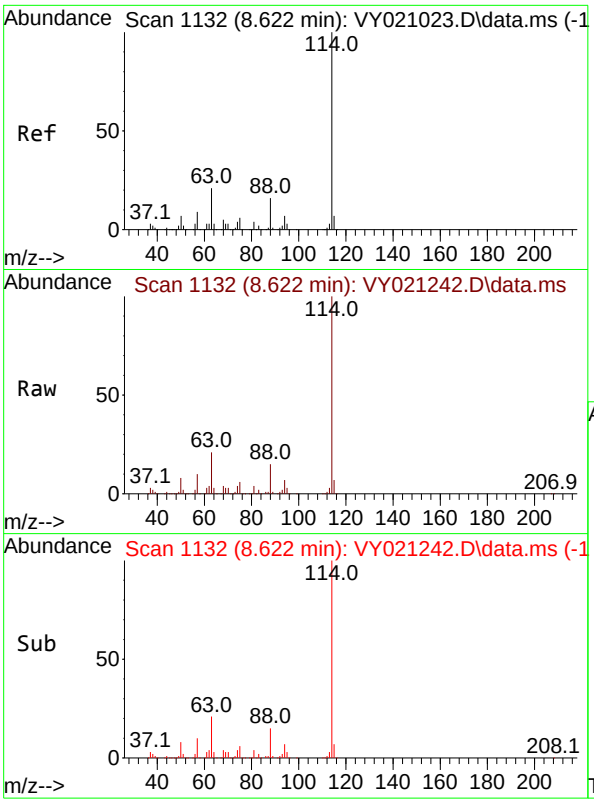




#33
1,2-Dichloroethane-d4
Concen: 52.032 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Tgt Ion: 65 Resp: 114803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 109.0 |



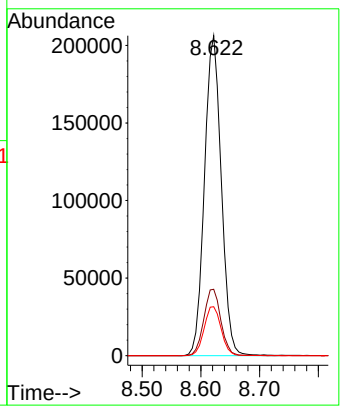


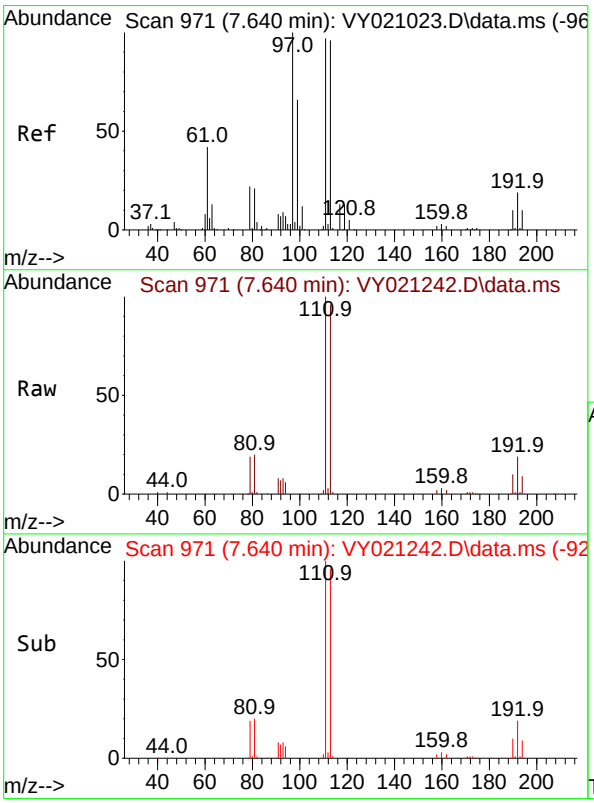

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-01-021725

Tgt Ion:114 Resp: 410030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 37.4 |
| 88 | 15.3 | 0.0 | 29.0 |

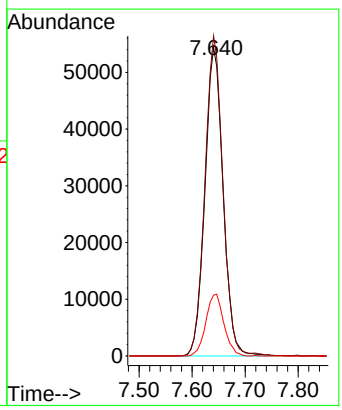


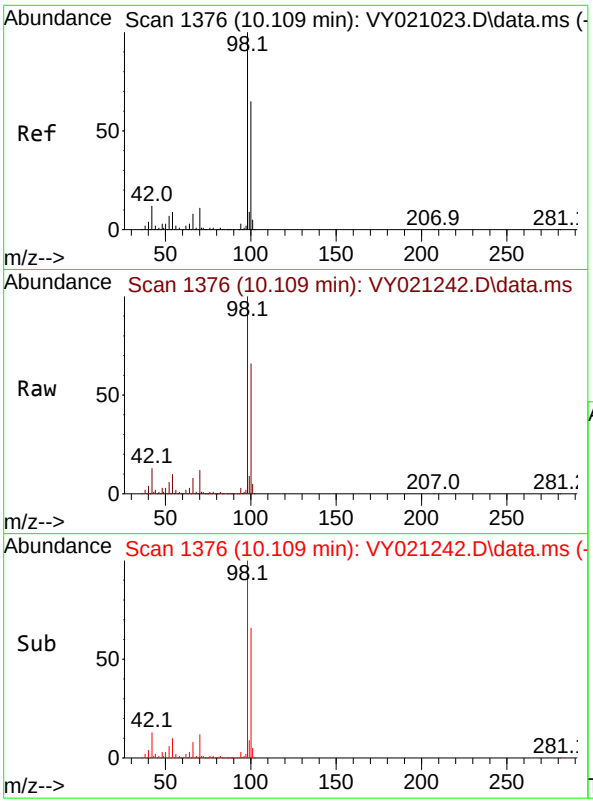




#35
Dibromofluoromethane
Concen: 49.250 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Tgt Ion:113 Resp: 129417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.1 | 83.8 | 125.6 |
| 192 | 19.9 | 14.5 | 21.7 |



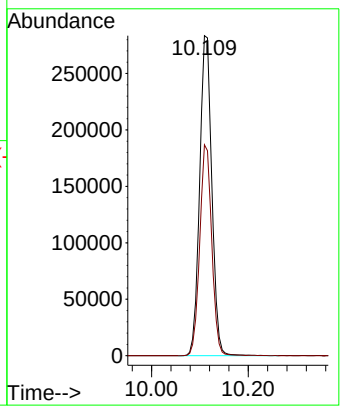


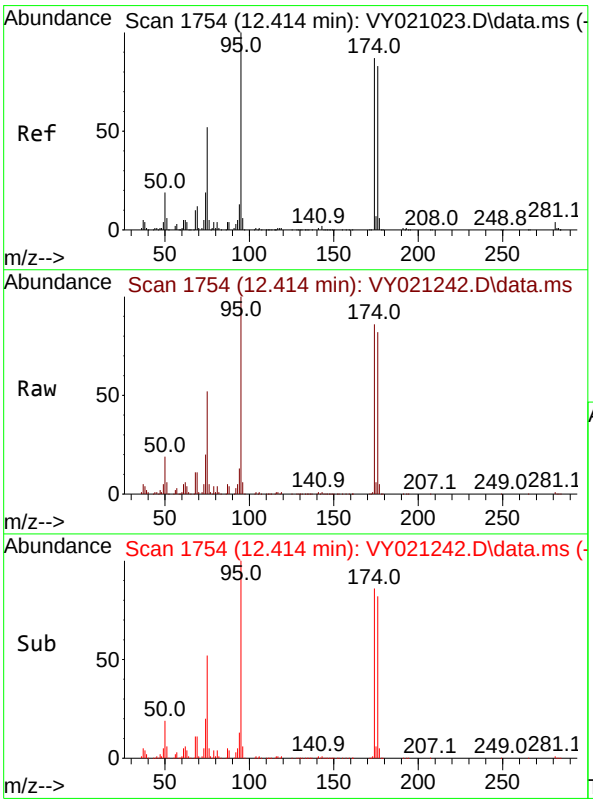

#50
Toluene-d8
Concen: 49.518 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-01-021725

Tgt Ion: 98 Resp: 495381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 52.3 | 78.5 |

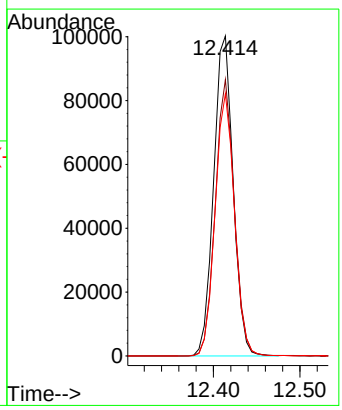


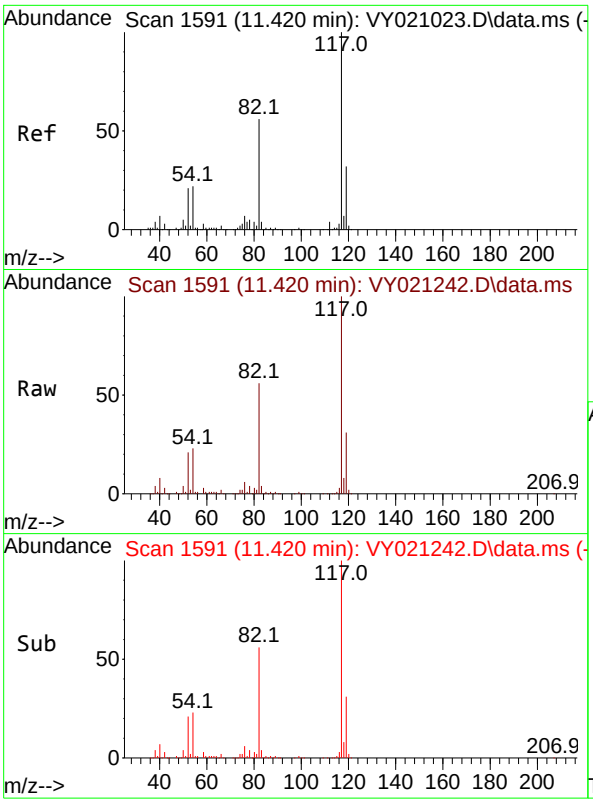




#62
4-Bromofluorobenzene
Concen: 48.006 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Tgt Ion: 95 Resp: 156897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.3 | 0.0 | 160.0 |
| 176 | 81.4 | 0.0 | 151.8 |



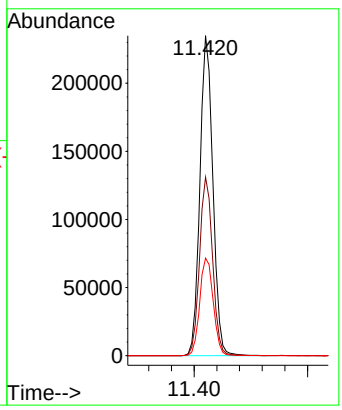


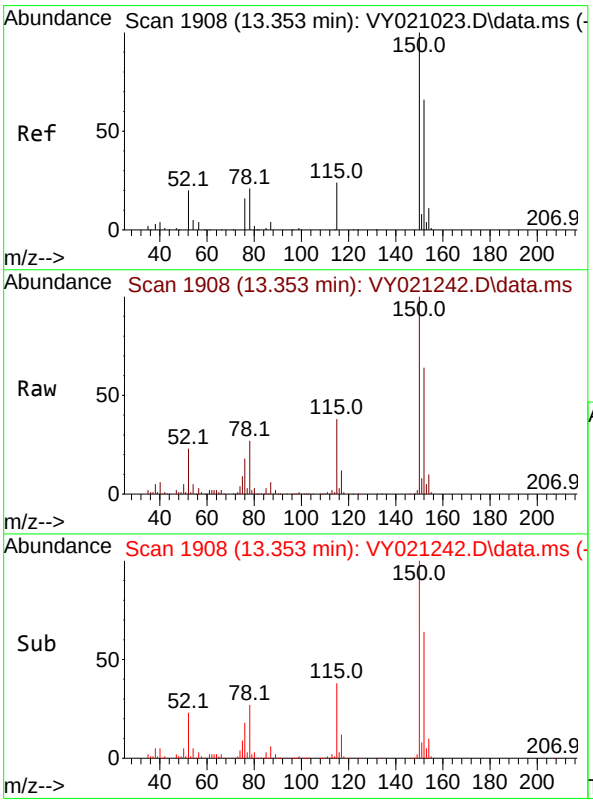

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-01-021725

Tgt Ion:117 Resp: 371656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.8 | 43.8 | 65.8 |
| 119 | 30.5 | 26.5 | 39.7 |

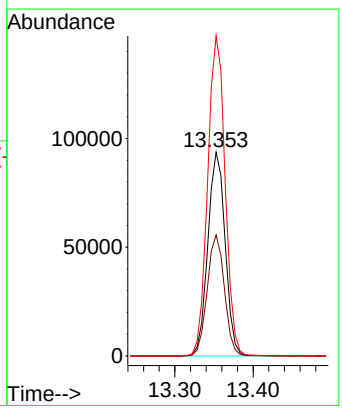



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Tgt Ion:152 Resp: 143607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.9 | 30.0 | 90.0 |
| 150 | 158.4 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-02-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-03 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 91.7 |
| Sample Wt/Vol: | 5.59 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021243.D | 1 | | 02/19/25 17:45 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0039 | U | 0.0016 | 0.0039 | 0.0049 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0024 | UQ | 0.0011 | 0.0024 | 0.0049 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0024 | UQ | 0.00075 | 0.0024 | 0.0049 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0039 | U | 0.0010 | 0.0039 | 0.0049 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0024 | UQ | 0.00099 | 0.0024 | 0.0049 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.012 | U | 0.0051 | 0.012 | 0.024 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0039 | U | 0.00089 | 0.0039 | 0.0049 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0024 | U | 0.0010 | 0.0024 | 0.0049 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0024 | U | 0.00076 | 0.0024 | 0.0049 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.012 | U | 0.0049 | 0.012 | 0.024 | mg/Kg |
| 67-64-1 | Acetone | 0.020 | U | 0.0061 | 0.020 | 0.024 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0039 | U | 0.0012 | 0.0039 | 0.0049 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0024 | U | 0.00065 | 0.0024 | 0.0049 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0078 | U | 0.0033 | 0.0078 | 0.0098 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0024 | U | 0.00082 | 0.0024 | 0.0049 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0024 | U | 0.00061 | 0.0024 | 0.0049 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.020 | U | 0.0055 | 0.020 | 0.024 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0024 | U | 0.00085 | 0.0024 | 0.0049 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0039 | U | 0.0016 | 0.0039 | 0.0049 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0024 | U | 0.00060 | 0.0024 | 0.0049 | mg/Kg |
| 67-66-3 | Chloroform | 0.0039 | U | 0.00065 | 0.0039 | 0.0049 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0024 | U | 0.00076 | 0.0024 | 0.0049 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0024 | U | 0.00071 | 0.0024 | 0.0049 | mg/Kg |
| 71-43-2 | Benzene | 0.0024 | U | 0.00070 | 0.0024 | 0.0049 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0024 | U | 0.00060 | 0.0024 | 0.0049 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0024 | U | 0.00073 | 0.0024 | 0.0049 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0024 | U | 0.00064 | 0.0024 | 0.0049 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0024 | U | 0.00060 | 0.0024 | 0.0049 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0024 | U | 0.00055 | 0.0024 | 0.0049 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.012 | U | 0.0042 | 0.012 | 0.024 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-02-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-03 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 91.7 |
| Sample Wt/Vol: | 5.59 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021243.D | 1 | | 02/19/25 17:45 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0024 | U | 0.00065 | 0.0024 | 0.0049 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0024 | U | 0.00059 | 0.0024 | 0.0049 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0024 | U | 0.00056 | 0.0024 | 0.0049 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0024 | U | 0.00082 | 0.0024 | 0.0049 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0024 | U | 0.00058 | 0.0024 | 0.0049 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.012 | U | 0.0047 | 0.012 | 0.024 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0024 | U | 0.00063 | 0.0024 | 0.0049 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0024 | U | 0.00077 | 0.0024 | 0.0049 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0024 | U | 0.00087 | 0.0024 | 0.0049 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0024 | U | 0.00072 | 0.0024 | 0.0049 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0024 | U | 0.00062 | 0.0024 | 0.0049 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0024 | U | 0.00060 | 0.0024 | 0.0049 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0049 | U | 0.0013 | 0.0049 | 0.0098 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0073 | U | 0.0020 | 0.0073 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0024 | U | 0.00068 | 0.0024 | 0.0049 | mg/Kg |
| 100-42-5 | Styrene | 0.0024 | U | 0.00059 | 0.0024 | 0.0049 | mg/Kg |
| 75-25-2 | Bromoform | 0.0024 | U | 0.00079 | 0.0024 | 0.0049 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0024 | U | 0.00065 | 0.0024 | 0.0049 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0024 | U | 0.0011 | 0.0024 | 0.0049 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0039 | U | 0.0011 | 0.0039 | 0.0049 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0024 | U | 0.00063 | 0.0024 | 0.0049 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0024 | U | 0.00062 | 0.0024 | 0.0049 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0024 | U | 0.00060 | 0.0024 | 0.0049 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0024 | U | 0.00062 | 0.0024 | 0.0049 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0024 | U | 0.00058 | 0.0024 | 0.0049 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0024 | U | 0.00065 | 0.0024 | 0.0049 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0024 | U | 0.0013 | 0.0024 | 0.0049 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0024 | U | 0.00065 | 0.0024 | 0.0049 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0024 | U | 0.00057 | 0.0024 | 0.0049 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0024 | U | 0.00072 | 0.0024 | 0.0049 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0024 | U | 0.00078 | 0.0024 | 0.0049 | mg/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-02-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-03 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 91.7 |
| Sample Wt/Vol: | 5.59 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021243.D | 1 | | 02/19/25 17:45 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0024 | U | 0.00061 | 0.0024 | 0.0049 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0024 | U | 0.00058 | 0.0024 | 0.0049 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0039 | U | 0.0015 | 0.0039 | 0.0049 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0024 | U | 0.00077 | 0.0024 | 0.0049 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0024 | U | 0.00079 | 0.0024 | 0.0049 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0024 | U | 0.00076 | 0.0024 | 0.0049 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0024 | U | 0.00078 | 0.0024 | 0.0049 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 57.1 | | 71 - 136 | | 114% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.2 | | 78 - 119 | | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.5 | | 85 - 116 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.6 | | 79 - 119 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 210000 | 7.719 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 406000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 372000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 145000 | 13.352 | | | | |

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_Y\Data\VY021925\
Data File : VY021243.D
Acq On : 19 Feb 2025 17:45
Operator : SY/MD
Sample : Q1382-03
Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-02-021725

Quant Time: Feb 20 00:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

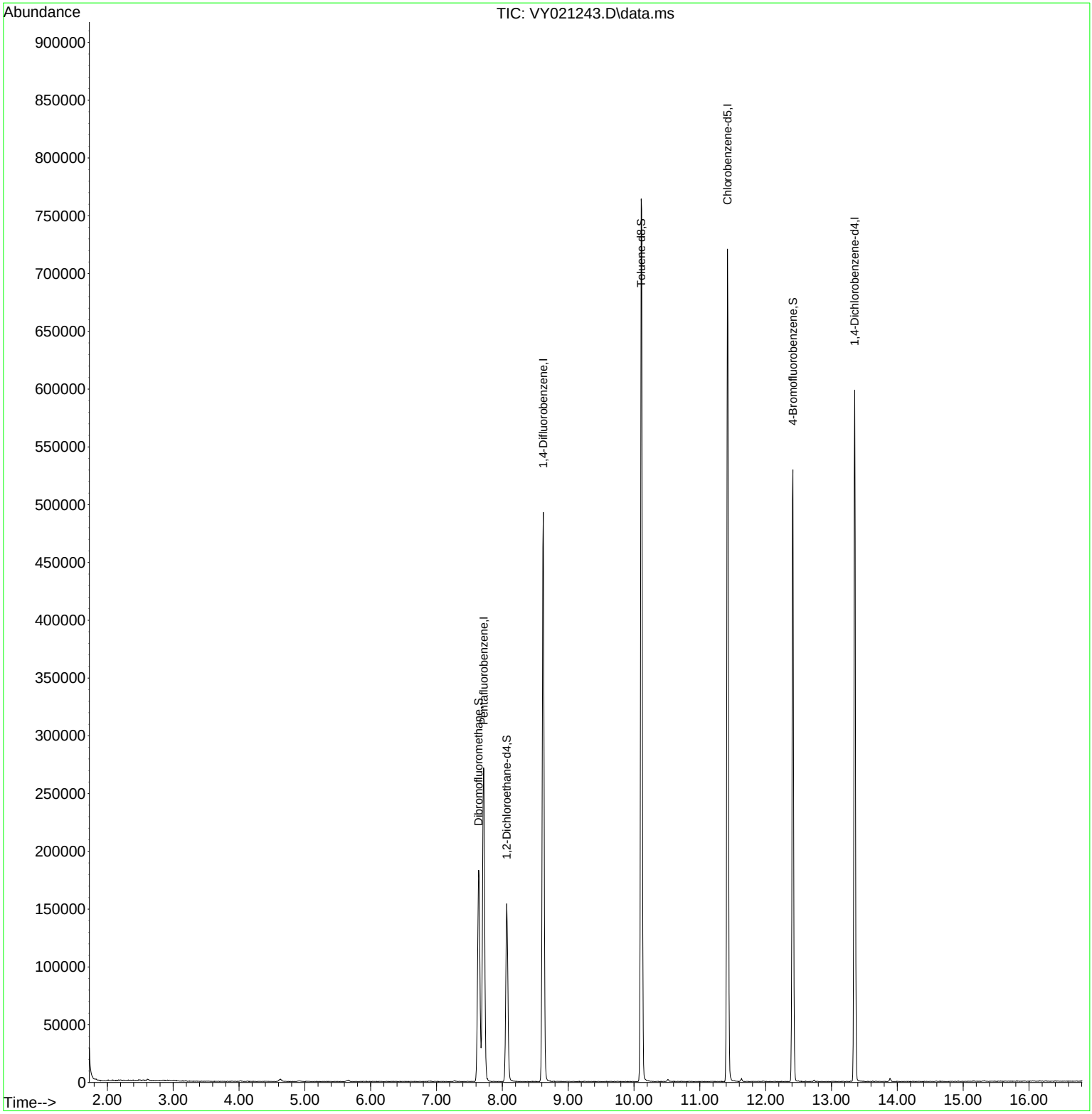
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 210258 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 406195 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 371758 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 144547 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 123068 | 57.128 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 114.260% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 130706 | 50.210 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 100.420% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 491037 | 49.547 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 99.100% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 157261 | 48.572 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 97.140% | | | |
| Target Compounds | | | | | | Qvalue |

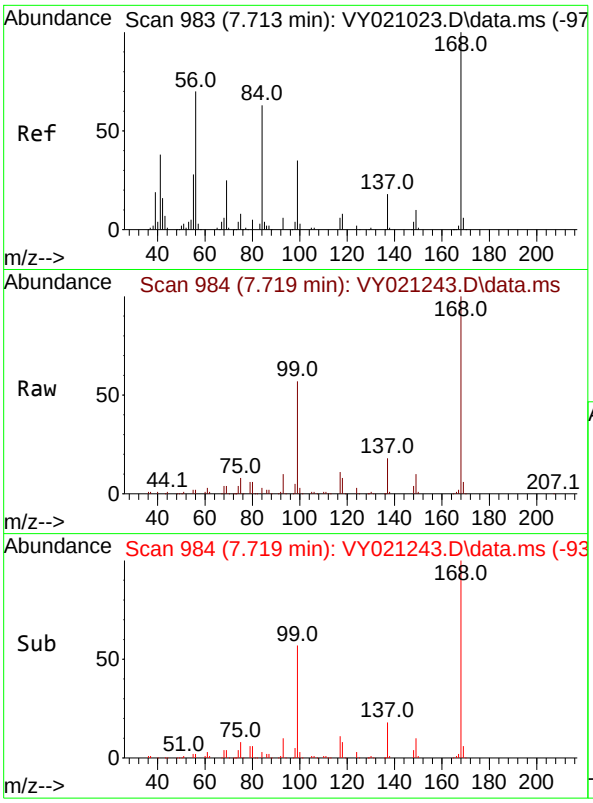
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021243.D
Acq On : 19 Feb 2025 17:45
Operator : SY/MD
Sample : Q1382-03
Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-02-021725

Quant Time: Feb 20 00:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



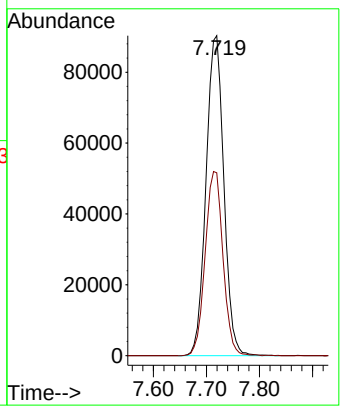


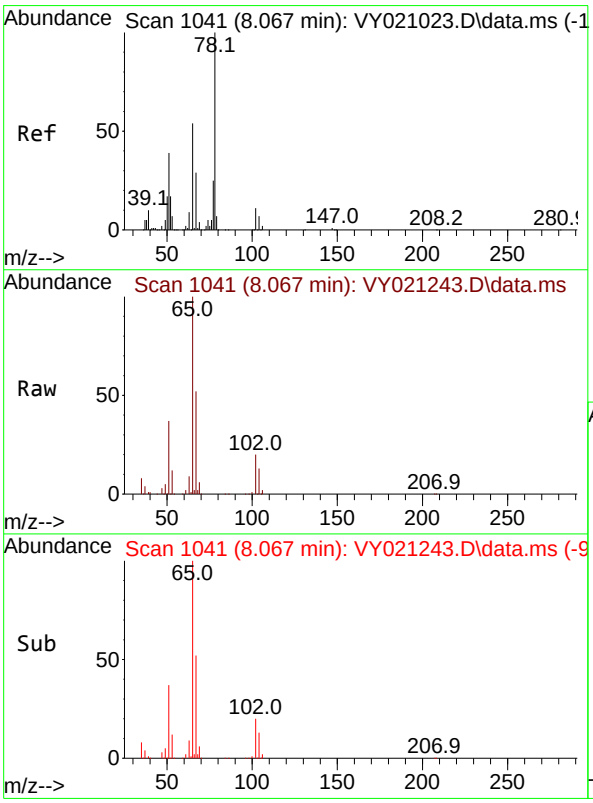

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-02-021725

Tgt Ion:168 Resp: 210258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.1 | 44.2 | 66.4 |

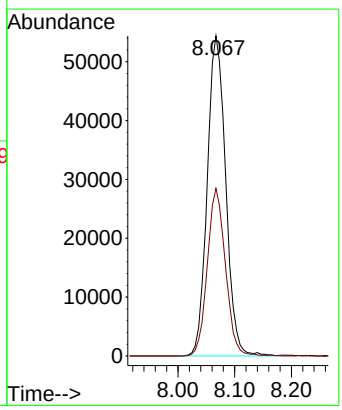


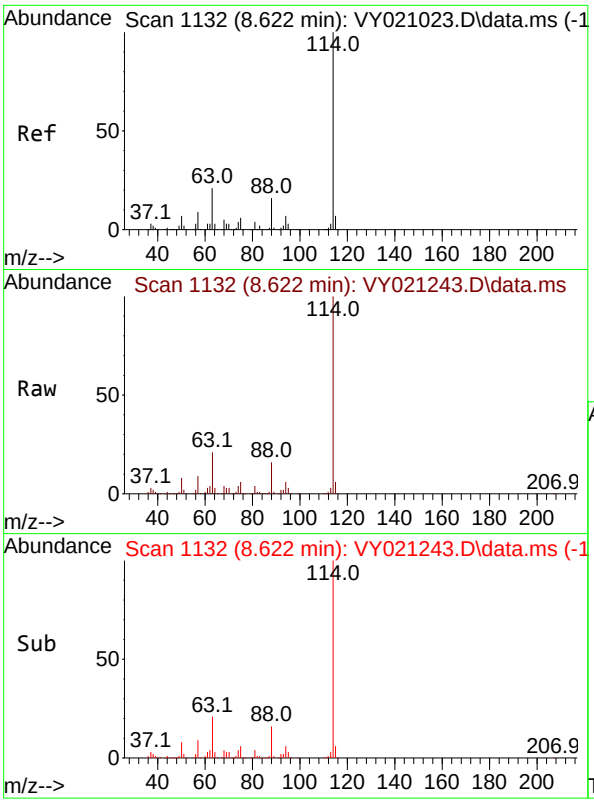




#33
1,2-Dichloroethane-d4
Concen: 57.128 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion: 65 Resp: 123068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 109.0 |



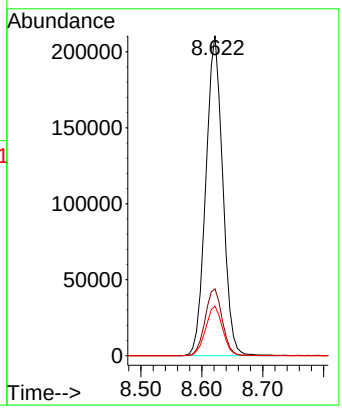


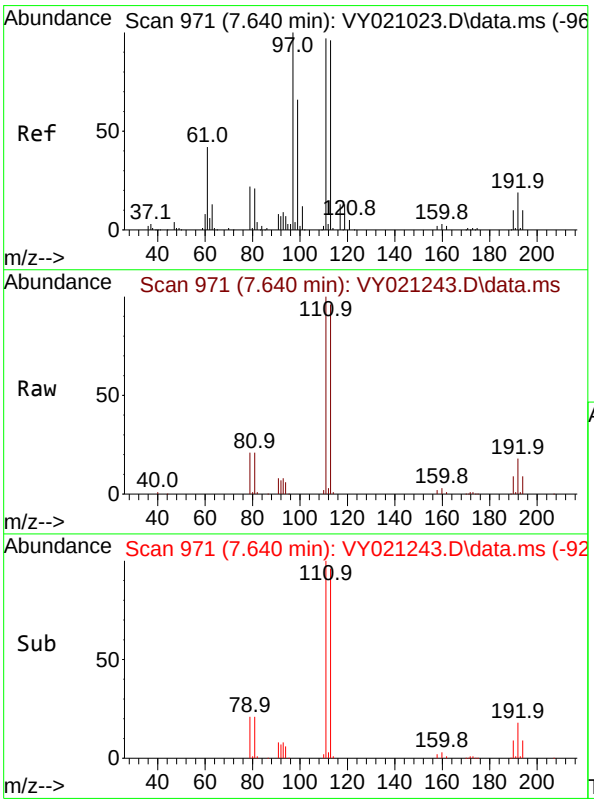

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-02-021725

Tgt Ion:114 Resp: 406195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 37.4 |
| 88 | 15.5 | 0.0 | 29.0 |

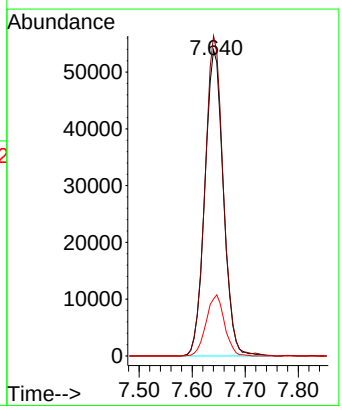


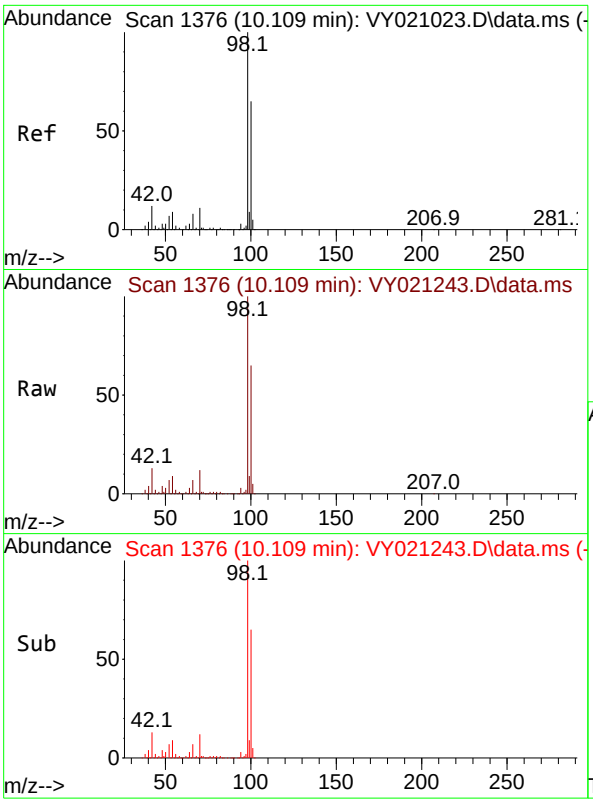




#35
Dibromofluoromethane
Concen: 50.210 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion:113 Resp: 130706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.2 | 83.8 | 125.6 |
| 192 | 19.8 | 14.5 | 21.7 |



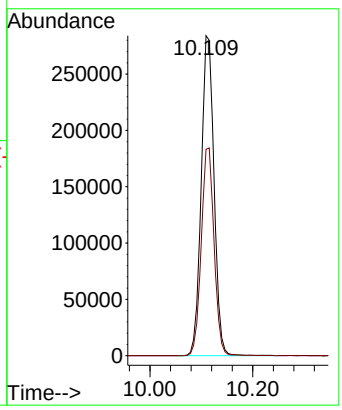


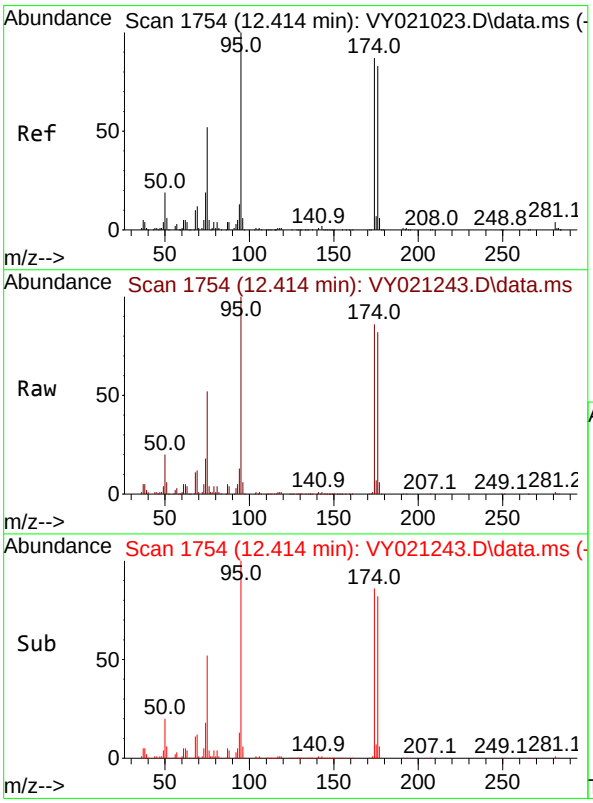

#50
Toluene-d8
Concen: 49.547 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-02-021725

Tgt Ion: 98 Resp: 491037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 52.3 | 78.5 |

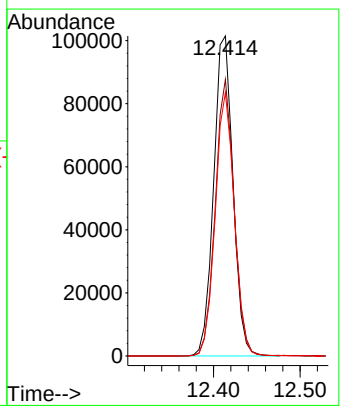


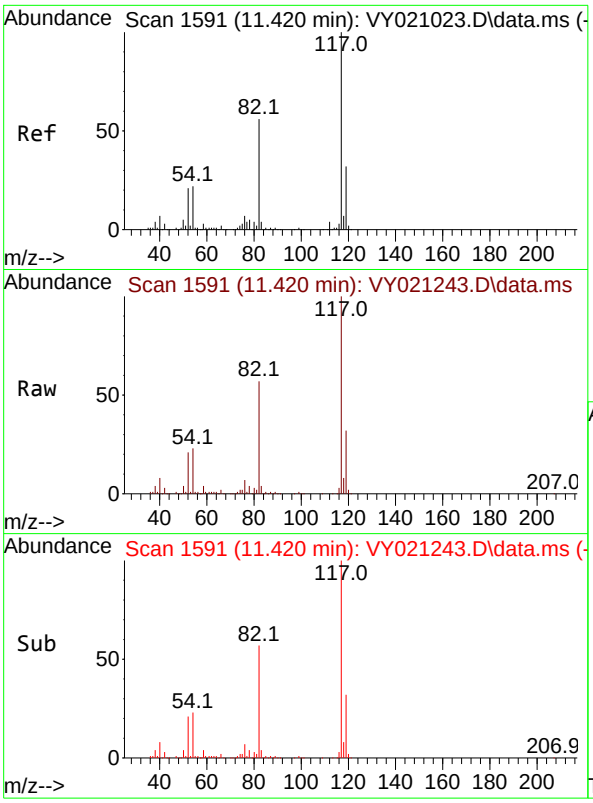




#62
4-Bromofluorobenzene
Concen: 48.572 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion: 95 Resp: 157261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.5 | 0.0 | 160.0 |
| 176 | 81.3 | 0.0 | 151.8 |



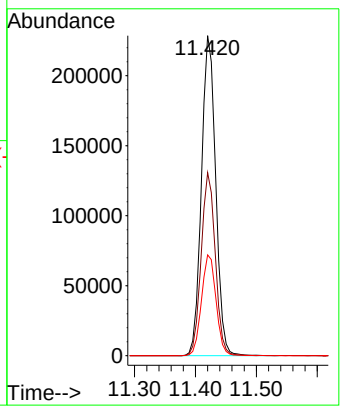


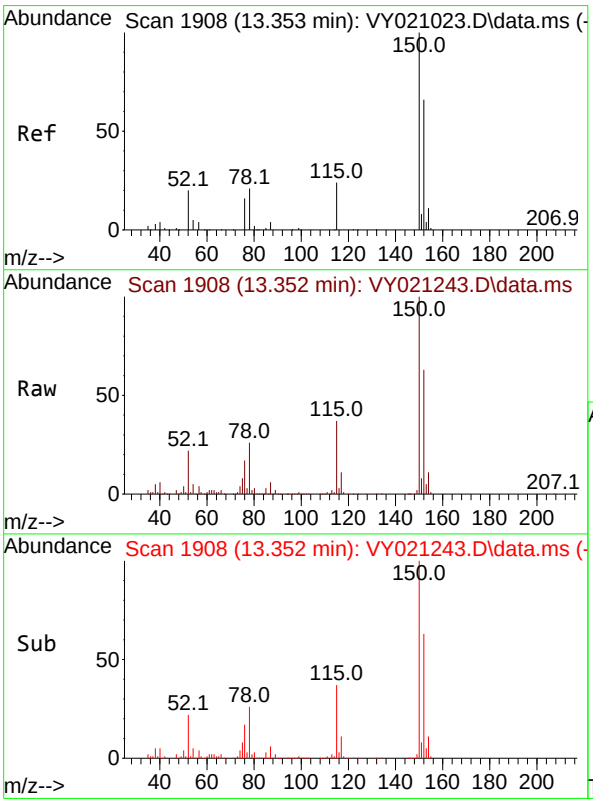

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-02-021725

Tgt Ion:117 Resp: 371758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.2 | 43.8 | 65.8 |
| 119 | 31.5 | 26.5 | 39.7 |

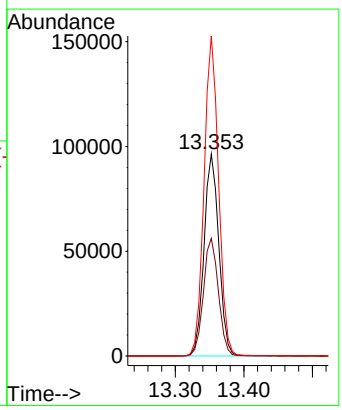



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion:152 Resp: 144547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.1 | 30.0 | 90.0 |
| 150 | 155.7 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-03-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-05 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.4 |
| Sample Wt/Vol: | 5.42 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021244.D | 1 | | 02/19/25 18:09 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0040 | U | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0025 | UQ | 0.0012 | 0.0025 | 0.0050 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0025 | UQ | 0.00077 | 0.0025 | 0.0050 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0040 | U | 0.0010 | 0.0040 | 0.0050 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0025 | UQ | 0.0010 | 0.0025 | 0.0050 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.013 | U | 0.0052 | 0.013 | 0.025 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0040 | U | 0.00091 | 0.0040 | 0.0050 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0025 | U | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.013 | U | 0.0050 | 0.013 | 0.025 | mg/Kg |
| 67-64-1 | Acetone | 0.020 | U | 0.0062 | 0.020 | 0.025 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0040 | U | 0.0013 | 0.0040 | 0.0050 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0080 | U | 0.0034 | 0.0080 | 0.010 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0025 | U | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0025 | U | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.020 | U | 0.0057 | 0.020 | 0.025 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0025 | U | 0.00087 | 0.0025 | 0.0050 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0040 | U | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0025 | U | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 67-66-3 | Chloroform | 0.0040 | U | 0.00067 | 0.0040 | 0.0050 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0025 | U | 0.00073 | 0.0025 | 0.0050 | mg/Kg |
| 71-43-2 | Benzene | 0.0025 | U | 0.00072 | 0.0025 | 0.0050 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0025 | U | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0025 | U | 0.00075 | 0.0025 | 0.0050 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0025 | U | 0.00066 | 0.0025 | 0.0050 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0025 | U | 0.00056 | 0.0025 | 0.0050 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.013 | U | 0.0043 | 0.013 | 0.025 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-03-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-05 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.4 |
| Sample Wt/Vol: | 5.42 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021244.D | 1 | | 02/19/25 18:09 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0025 | U | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0025 | U | 0.00057 | 0.0025 | 0.0050 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0025 | U | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.013 | U | 0.0048 | 0.013 | 0.025 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0025 | U | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0025 | U | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0025 | U | 0.00089 | 0.0025 | 0.0050 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0025 | U | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0050 | U | 0.0013 | 0.0050 | 0.010 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0075 | U | 0.0020 | 0.0075 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0025 | U | 0.00070 | 0.0025 | 0.0050 | mg/Kg |
| 100-42-5 | Styrene | 0.0025 | U | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 75-25-2 | Bromoform | 0.0025 | U | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0025 | U | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0040 | U | 0.0012 | 0.0040 | 0.0050 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0025 | U | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0025 | U | 0.0014 | 0.0025 | 0.0050 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0025 | U | 0.00058 | 0.0025 | 0.0050 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0025 | U | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0025 | U | 0.00080 | 0.0025 | 0.0050 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-03-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-05 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.4 |
| Sample Wt/Vol: | 5.42 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021244.D | 1 | | 02/19/25 18:09 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0025 | U | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0040 | U | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0025 | U | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0025 | U | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0025 | U | 0.00080 | 0.0025 | 0.0050 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 61.1 | | 71 - 136 | | 122% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.2 | | 78 - 119 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.8 | | 85 - 116 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.7 | | 79 - 119 | | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 207000 | 7.713 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 398000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 367000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 147000 | 13.353 | | | | |

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_Y\Data\VY021925\
Data File : VY021244.D
Acq On : 19 Feb 2025 18:09
Operator : SY/MD
Sample : Q1382-05
Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-03-021725

Quant Time: Feb 20 00:21:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 207032 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 397674 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 367484 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 147214 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 129525 | 61.062 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 122.120% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 130403 | 51.167 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 102.340% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 483051 | 49.786 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 99.580% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 160823 | 50.736 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 101.480% | | | |

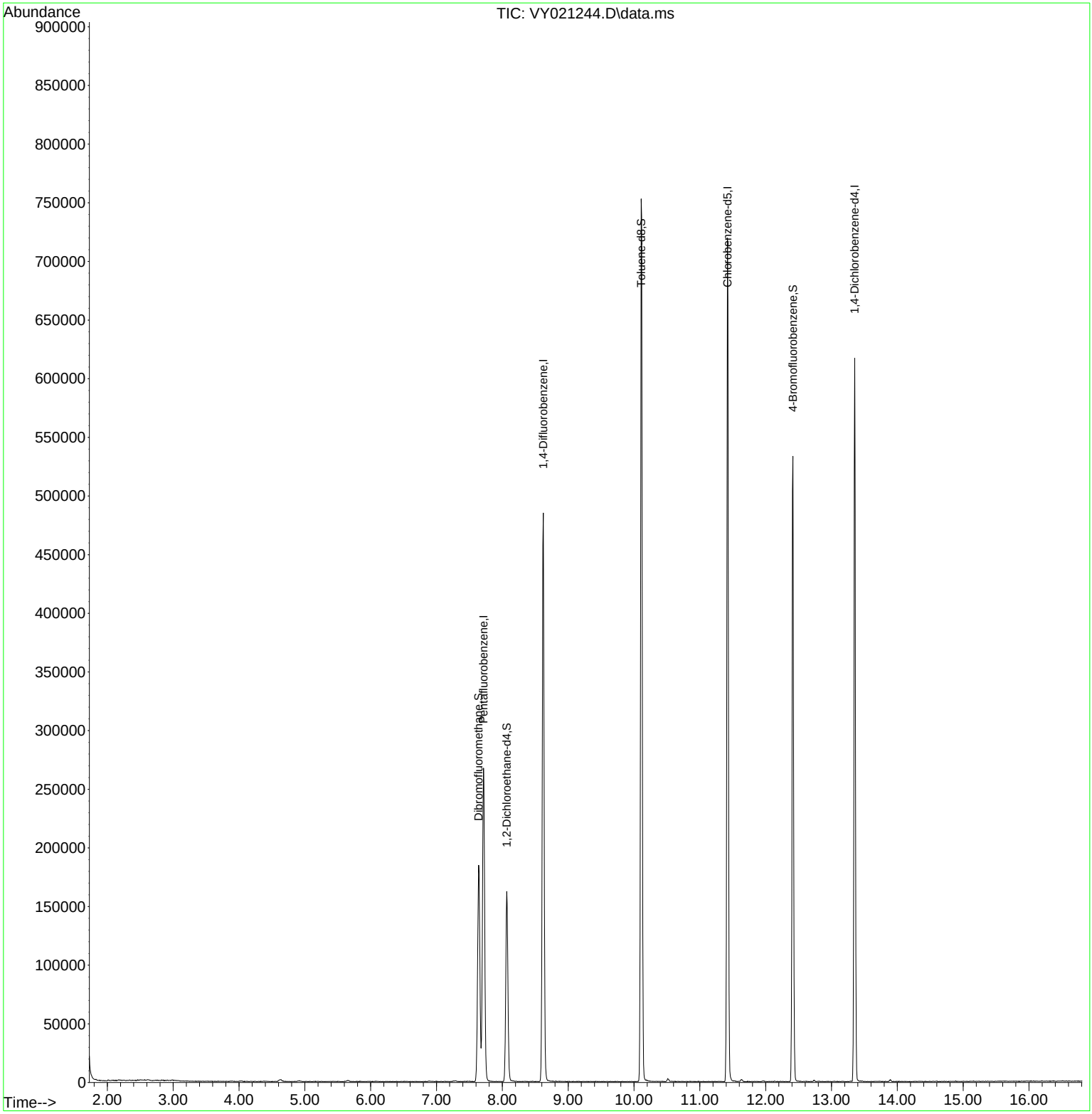
Target Compounds Qvalue

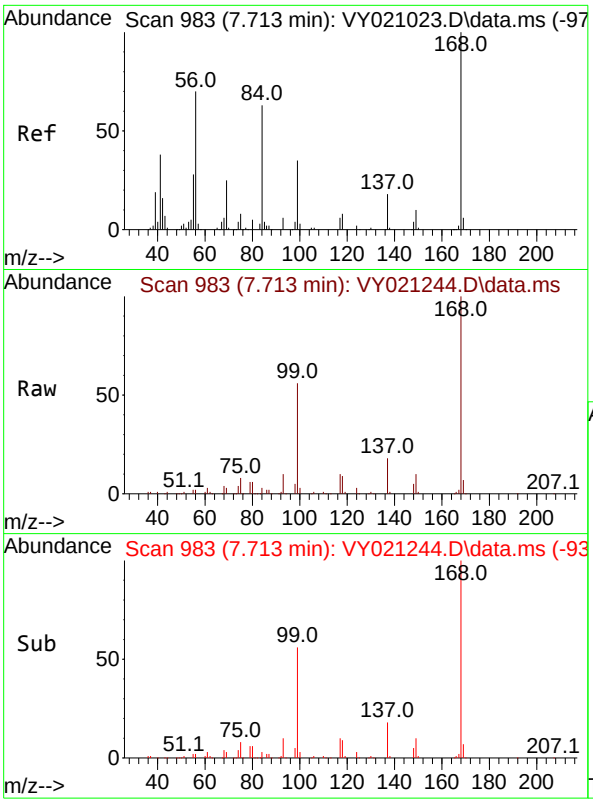
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021244.D
Acq On : 19 Feb 2025 18:09
Operator : SY/MD
Sample : Q1382-05
Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-03-021725

Quant Time: Feb 20 00:21:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



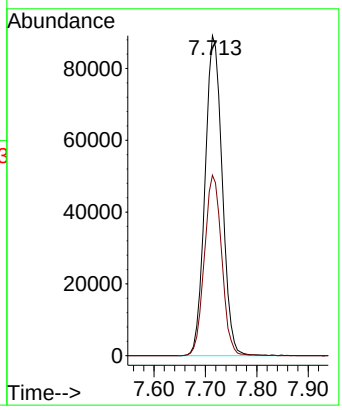


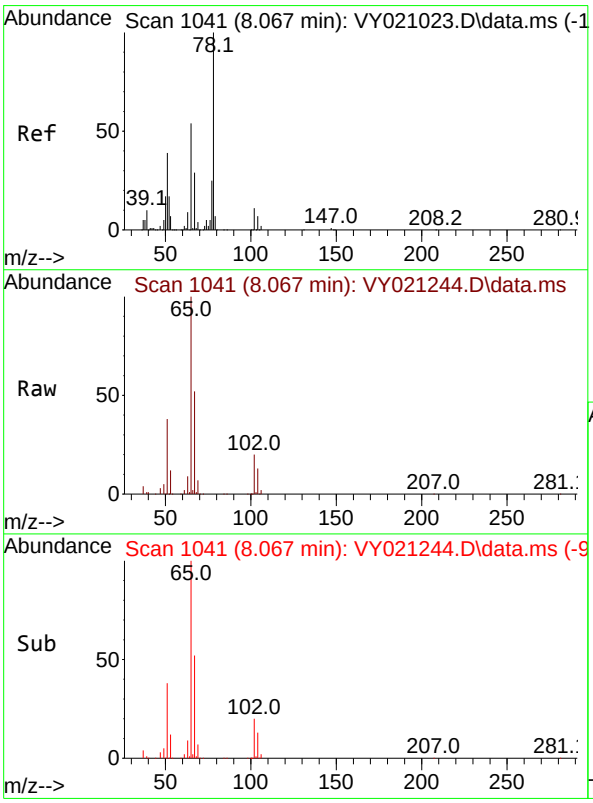

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-03-021725

Tgt Ion:168 Resp: 207032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.4 | 44.2 | 66.4 |

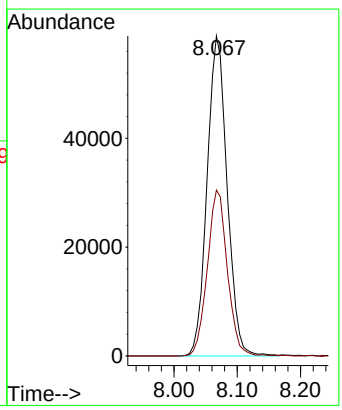


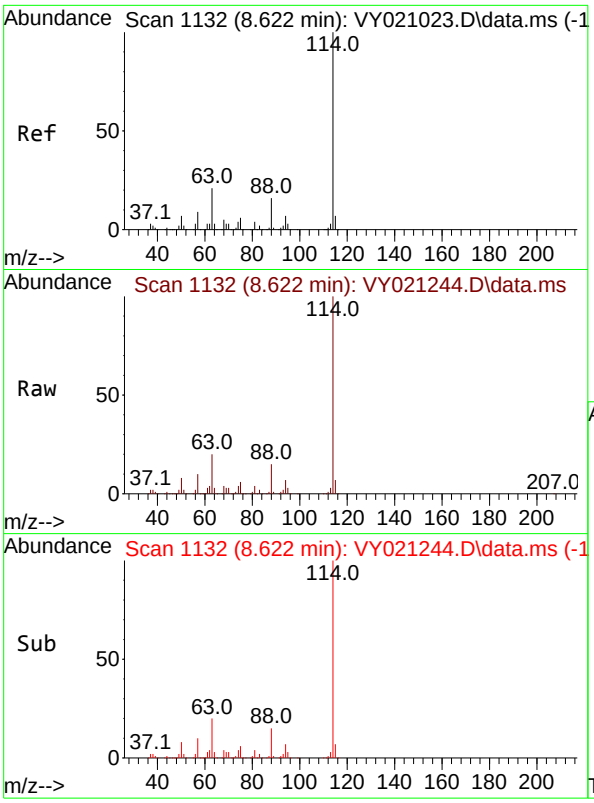




#33
1,2-Dichloroethane-d4
Concen: 61.062 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

Tgt Ion: 65 Resp: 129525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 109.0 |



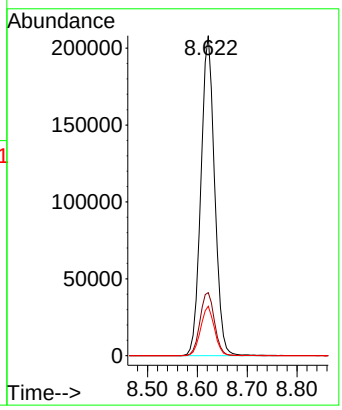


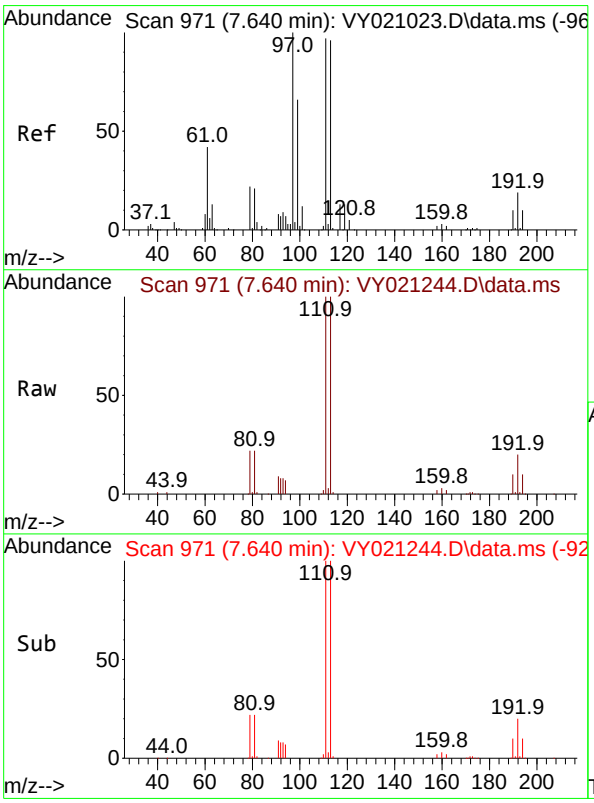

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-03-021725

Tgt Ion:114 Resp: 397674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 37.4 |
| 88 | 15.5 | 0.0 | 29.0 |

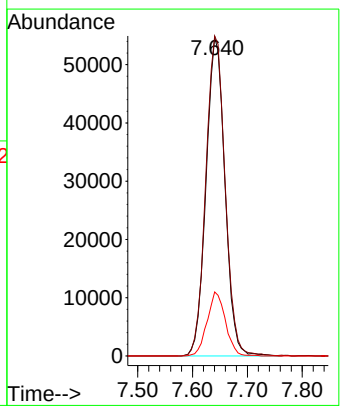


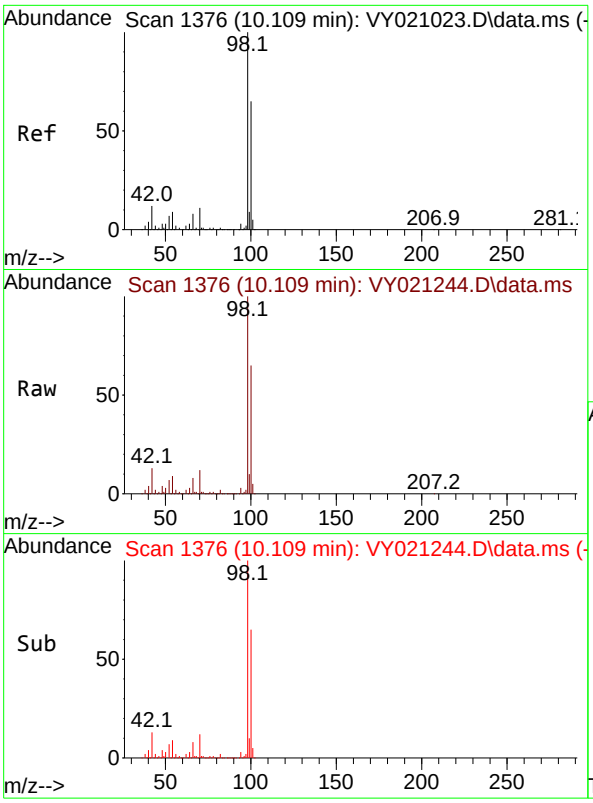




#35
Dibromofluoromethane
Concen: 51.167 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

Tgt Ion:113 Resp: 130403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.9 | 83.8 | 125.6 |
| 192 | 19.5 | 14.5 | 21.7 |



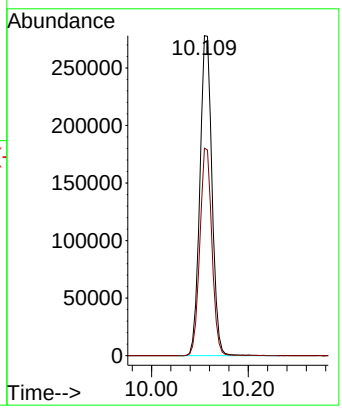


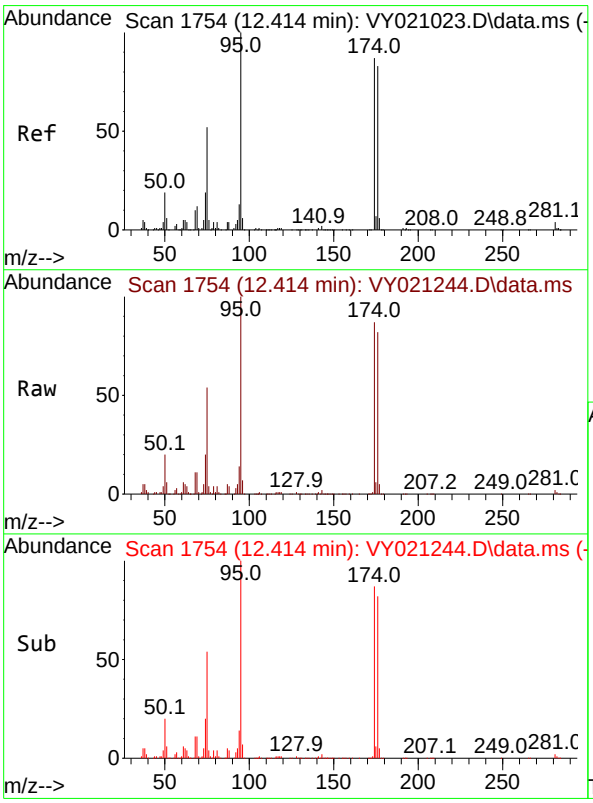

#50
Toluene-d8
Concen: 49.786 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-03-021725

Tgt Ion: 98 Resp: 483051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 52.3 | 78.5 |

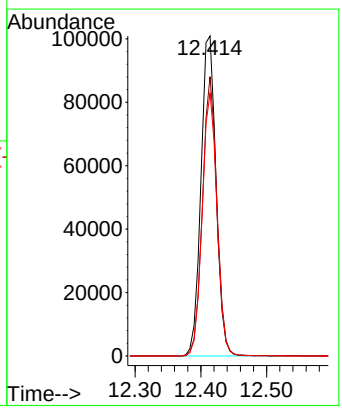


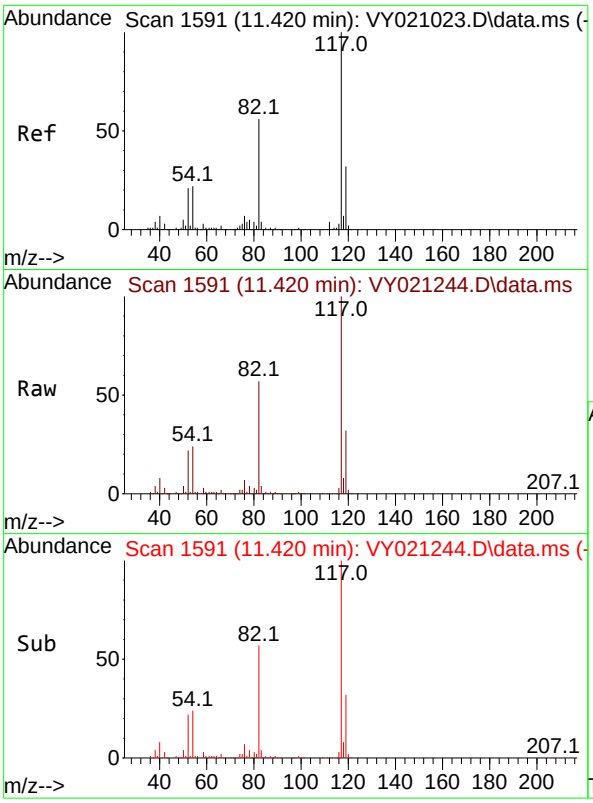




#62
4-Bromofluorobenzene
Concen: 50.736 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

Tgt Ion: 95 Resp: 160823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.9 | 0.0 | 160.0 |
| 176 | 80.2 | 0.0 | 151.8 |



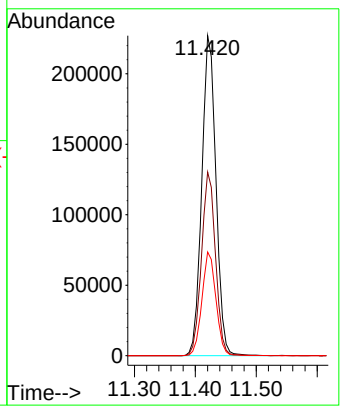


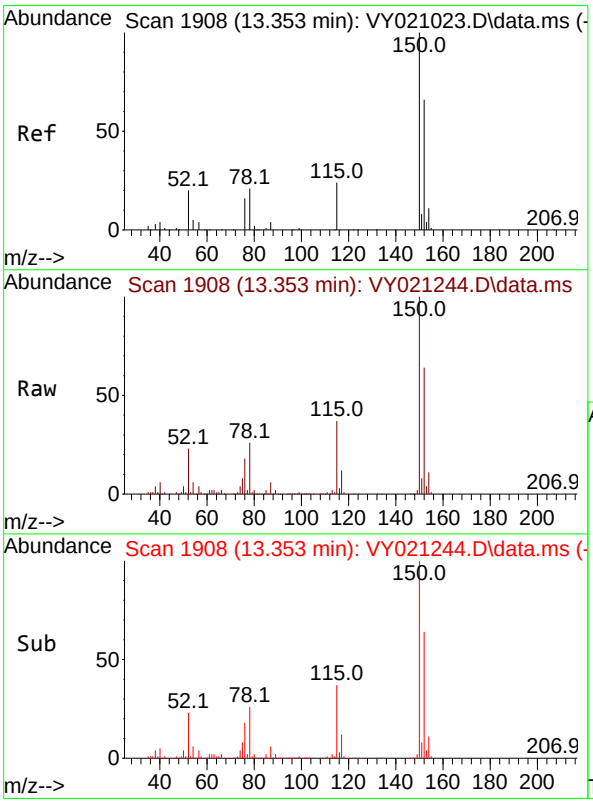

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-03-021725

Tgt Ion:117 Resp: 367484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.4 | 43.8 | 65.8 |
| 119 | 32.4 | 26.5 | 39.7 |

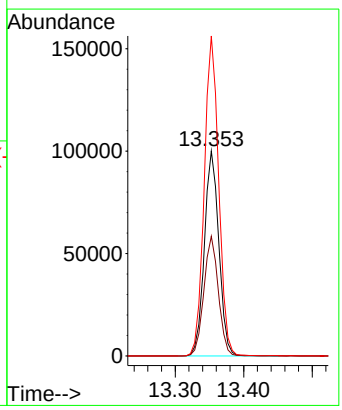



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

Tgt Ion:152 Resp: 147214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.6 | 30.0 | 90.0 |
| 150 | 155.9 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-04-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-07 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.5 |
| Sample Wt/Vol: | 5.57 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021290.D | 1 | | 02/21/25 16:57 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0039 | U | 0.0016 | 0.0039 | 0.0049 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0024 | UQ | 0.0011 | 0.0024 | 0.0049 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0024 | UQ | 0.00075 | 0.0024 | 0.0049 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0039 | U | 0.0010 | 0.0039 | 0.0049 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0024 | UQ | 0.00098 | 0.0024 | 0.0049 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.012 | U | 0.0051 | 0.012 | 0.024 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0039 | U | 0.00088 | 0.0039 | 0.0049 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0024 | U | 0.0010 | 0.0024 | 0.0049 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0024 | U | 0.00076 | 0.0024 | 0.0049 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.012 | U | 0.0049 | 0.012 | 0.024 | mg/Kg |
| 67-64-1 | Acetone | 0.019 | U | 0.0061 | 0.019 | 0.024 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0039 | U | 0.0012 | 0.0039 | 0.0049 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0024 | U | 0.00065 | 0.0024 | 0.0049 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0078 | U | 0.0033 | 0.0078 | 0.0097 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0024 | U | 0.00082 | 0.0024 | 0.0049 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0024 | U | 0.00061 | 0.0024 | 0.0049 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.019 | U | 0.0055 | 0.019 | 0.024 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0024 | U | 0.00084 | 0.0024 | 0.0049 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0039 | U | 0.0015 | 0.0039 | 0.0049 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0024 | U | 0.00059 | 0.0024 | 0.0049 | mg/Kg |
| 67-66-3 | Chloroform | 0.0039 | U | 0.00065 | 0.0039 | 0.0049 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0024 | U | 0.00076 | 0.0024 | 0.0049 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0024 | U | 0.00071 | 0.0024 | 0.0049 | mg/Kg |
| 71-43-2 | Benzene | 0.0024 | U | 0.00070 | 0.0024 | 0.0049 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0024 | U | 0.00059 | 0.0024 | 0.0049 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0024 | U | 0.00073 | 0.0024 | 0.0049 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0024 | U | 0.00064 | 0.0024 | 0.0049 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0024 | U | 0.00060 | 0.0024 | 0.0049 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0024 | U | 0.00054 | 0.0024 | 0.0049 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.012 | U | 0.0042 | 0.012 | 0.024 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-04-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-07 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.5 |
| Sample Wt/Vol: | 5.57 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021290.D | 1 | | 02/21/25 16:57 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0024 | U | 0.00065 | 0.0024 | 0.0049 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0024 | U | 0.00058 | 0.0024 | 0.0049 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0024 | U | 0.00055 | 0.0024 | 0.0049 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0024 | U | 0.00082 | 0.0024 | 0.0049 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0024 | U | 0.00057 | 0.0024 | 0.0049 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.012 | U | 0.0046 | 0.012 | 0.024 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0024 | U | 0.00063 | 0.0024 | 0.0049 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0024 | U | 0.00077 | 0.0024 | 0.0049 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0024 | U | 0.00086 | 0.0024 | 0.0049 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0024 | U | 0.00072 | 0.0024 | 0.0049 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0024 | U | 0.00062 | 0.0024 | 0.0049 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0024 | U | 0.00060 | 0.0024 | 0.0049 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0049 | U | 0.0013 | 0.0049 | 0.0097 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0073 | U | 0.0020 | 0.0073 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0024 | U | 0.00068 | 0.0024 | 0.0049 | mg/Kg |
| 100-42-5 | Styrene | 0.0024 | U | 0.00058 | 0.0024 | 0.0049 | mg/Kg |
| 75-25-2 | Bromoform | 0.0024 | U | 0.00079 | 0.0024 | 0.0049 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0024 | U | 0.00065 | 0.0024 | 0.0049 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0024 | U | 0.0011 | 0.0024 | 0.0049 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0039 | U | 0.0011 | 0.0039 | 0.0049 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0024 | U | 0.00063 | 0.0024 | 0.0049 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0024 | U | 0.00062 | 0.0024 | 0.0049 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0024 | U | 0.00060 | 0.0024 | 0.0049 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0024 | U | 0.00062 | 0.0024 | 0.0049 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0024 | U | 0.00057 | 0.0024 | 0.0049 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0024 | U | 0.00065 | 0.0024 | 0.0049 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0024 | U | 0.0013 | 0.0024 | 0.0049 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0024 | U | 0.00065 | 0.0024 | 0.0049 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0024 | U | 0.00056 | 0.0024 | 0.0049 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0024 | U | 0.00072 | 0.0024 | 0.0049 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0024 | U | 0.00078 | 0.0024 | 0.0049 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-04-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-07 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.5 |
| Sample Wt/Vol: | 5.57 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021290.D | 1 | | 02/21/25 16:57 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0024 | U | 0.00061 | 0.0024 | 0.0049 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0024 | U | 0.00057 | 0.0024 | 0.0049 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0039 | U | 0.0015 | 0.0039 | 0.0049 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0024 | U | 0.00077 | 0.0024 | 0.0049 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0024 | U | 0.00079 | 0.0024 | 0.0049 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0024 | U | 0.00076 | 0.0024 | 0.0049 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0024 | U | 0.00078 | 0.0024 | 0.0049 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 63.6 | | 71 - 136 | | 127% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.1 | | 78 - 119 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.3 | | 85 - 116 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.6 | | 79 - 119 | | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 166000 | 7.713 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 324000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 308000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 125000 | 13.353 | | | | |

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_Y\Data\VY022125\
Data File : VY021290.D
Acq On : 21 Feb 2025 16:57
Operator : SY/MD
Sample : Q1382-07
Misc : 5.57g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-04-021725

Quant Time: Feb 21 23:09:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

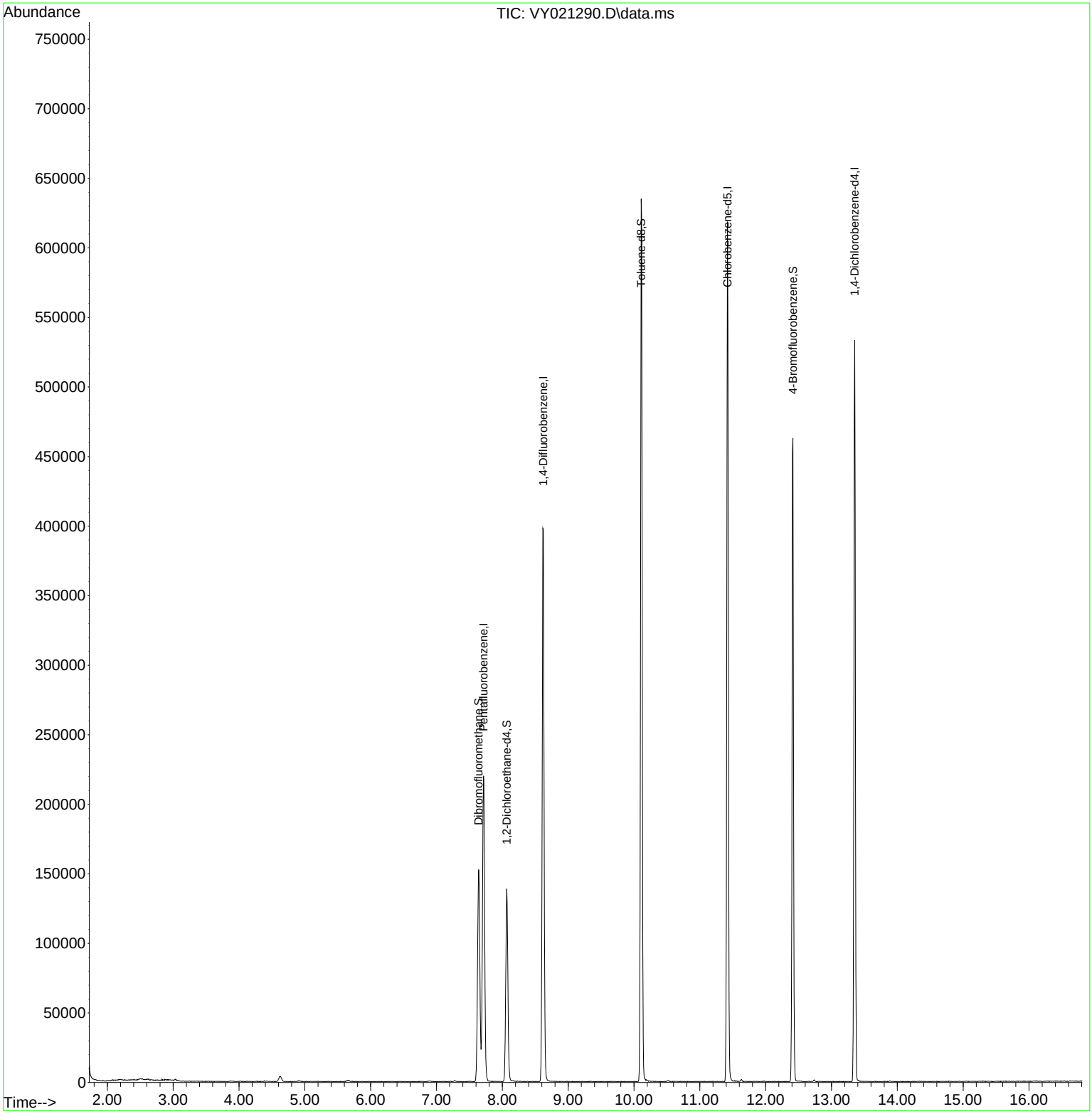
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 165765 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 323525 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 308440 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 125474 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 107946 | 63.558 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 127.120% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 105932 | 51.092 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 102.180% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 405133 | 51.325 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 102.660% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 130482 | 50.599 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 101.200% | | | |
| Target Compounds | | | | | | Qvalue |

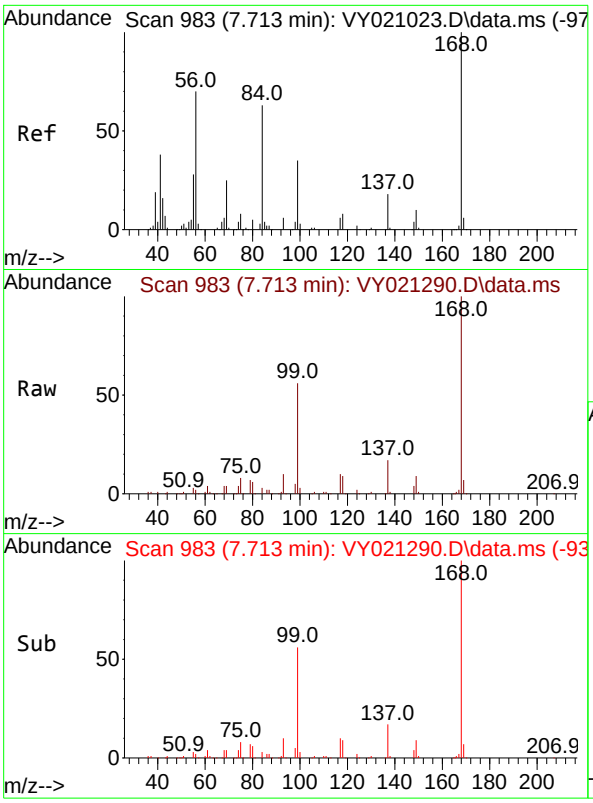
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021290.D
Acq On : 21 Feb 2025 16:57
Operator : SY/MD
Sample : Q1382-07
Misc : 5.57g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-04-021725

Quant Time: Feb 21 23:09:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



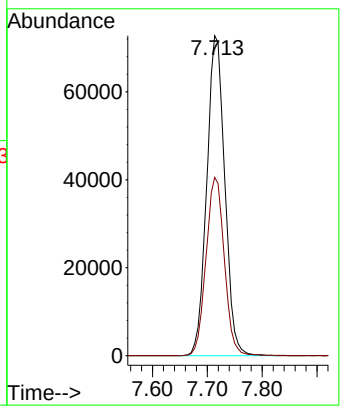


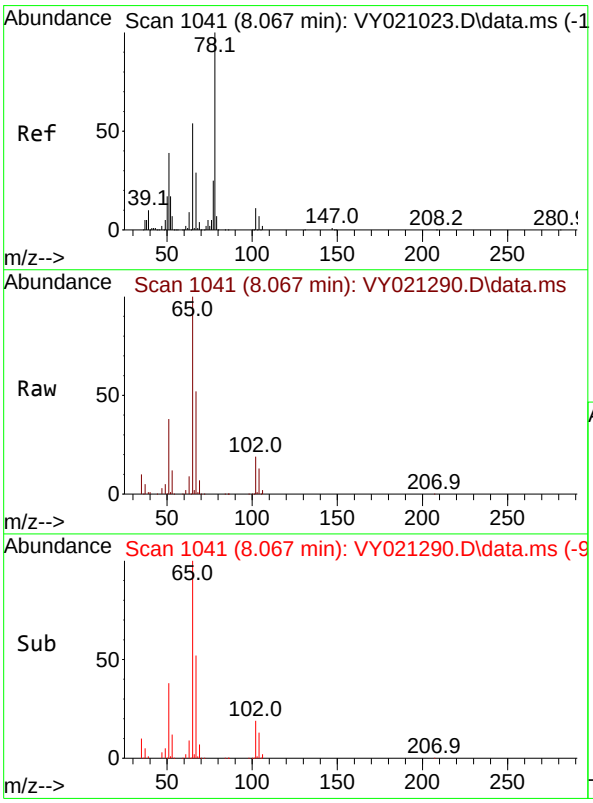

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021290.D
Acq: 21 Feb 2025 16:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-04-021725

Tgt Ion:168 Resp: 165765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.7 | 44.2 | 66.4 |

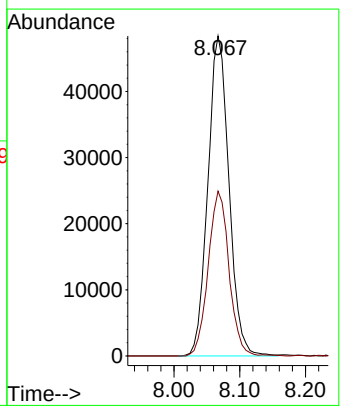


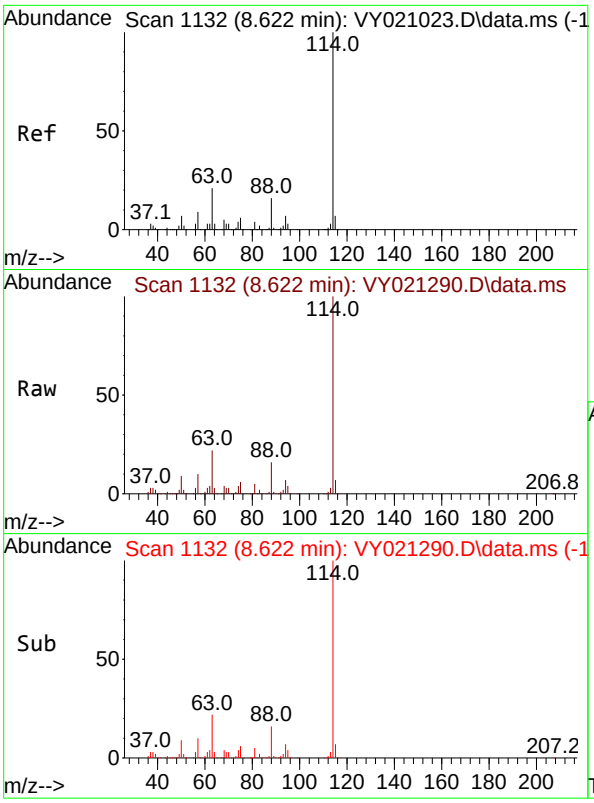




#33
1,2-Dichloroethane-d4
Concen: 63.558 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021290.D
Acq: 21 Feb 2025 16:57

Tgt Ion: 65 Resp: 107946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 109.0 |



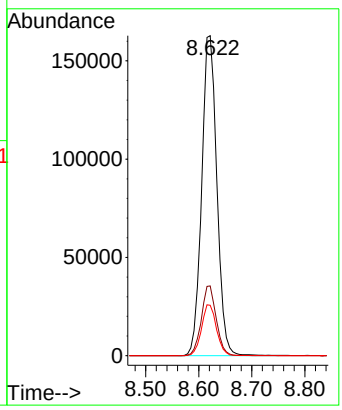


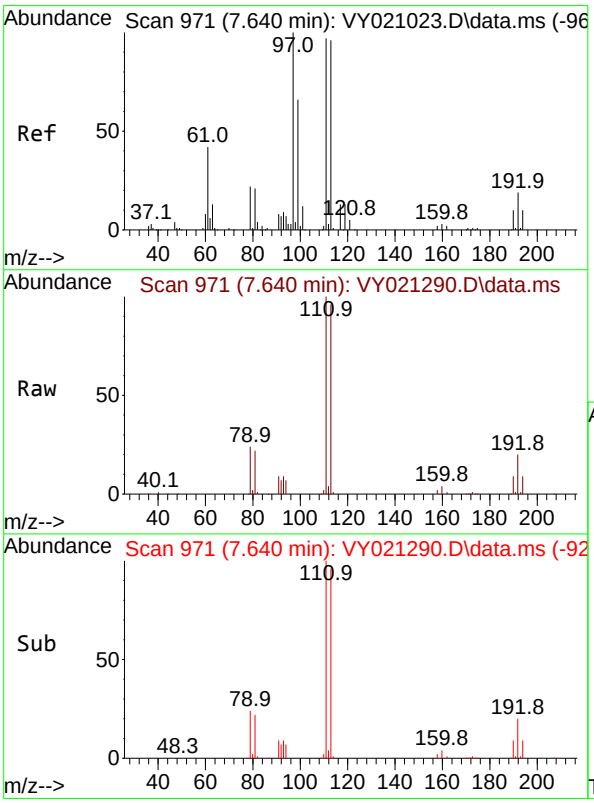

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021290.D
Acq: 21 Feb 2025 16:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-04-021725

Tgt Ion:114 Resp: 323525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 37.4 |
| 88 | 15.8 | 0.0 | 29.0 |

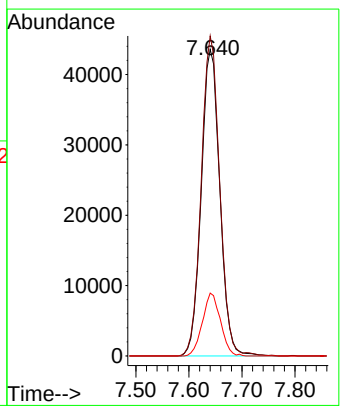


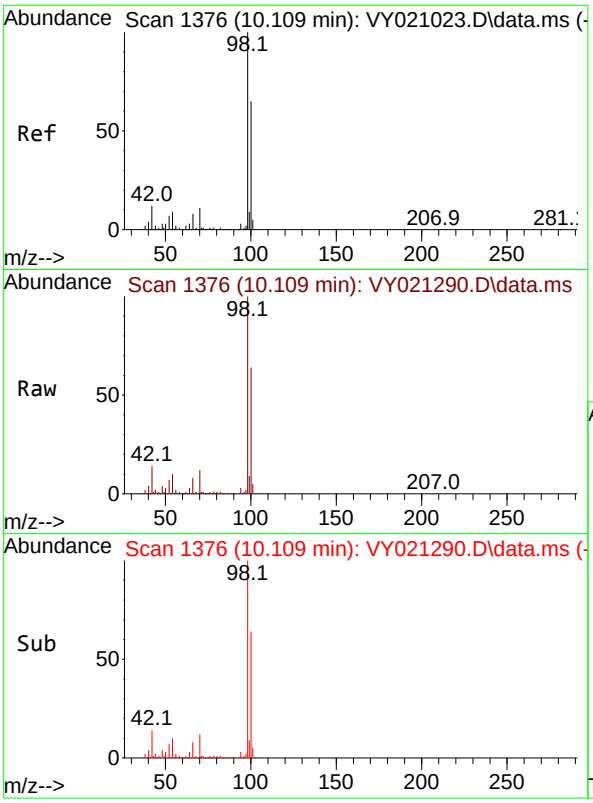




#35
Dibromofluoromethane
Concen: 51.092 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY021290.D
Acq: 21 Feb 2025 16:57

Tgt Ion:113 Resp: 105932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.9 | 83.8 | 125.6 |
| 192 | 19.9 | 14.5 | 21.7 |



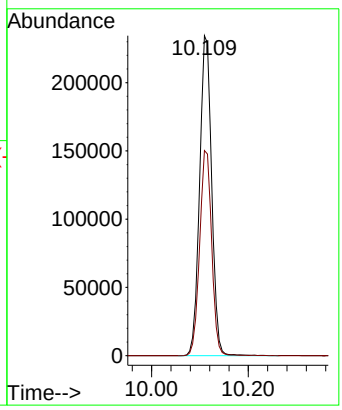


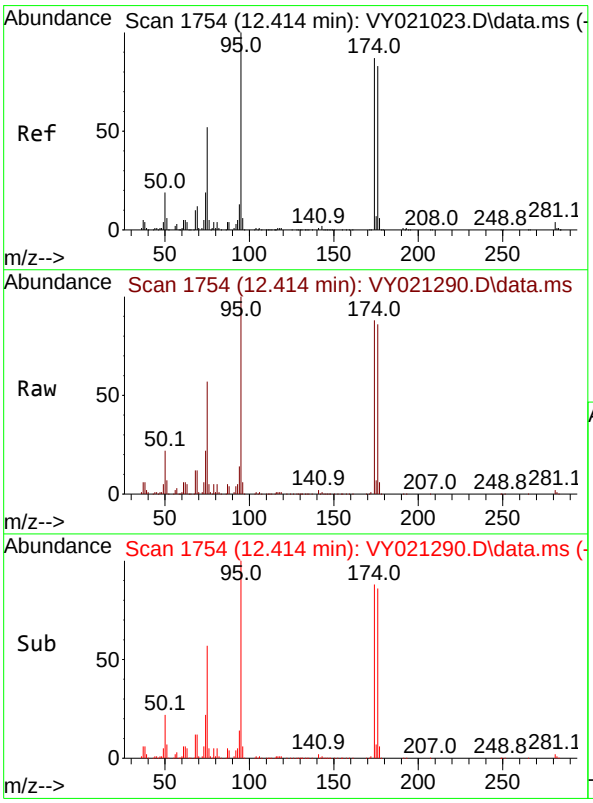

#50
Toluene-d8
Concen: 51.325 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021290.D
Acq: 21 Feb 2025 16:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-04-021725

Tgt Ion: 98 Resp: 405133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.1 | 52.3 | 78.5 |

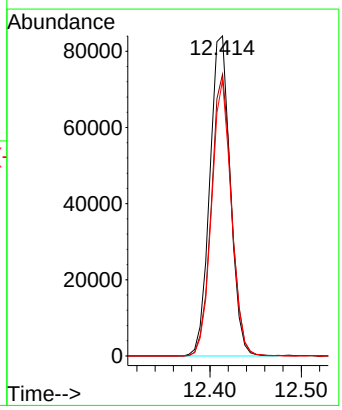


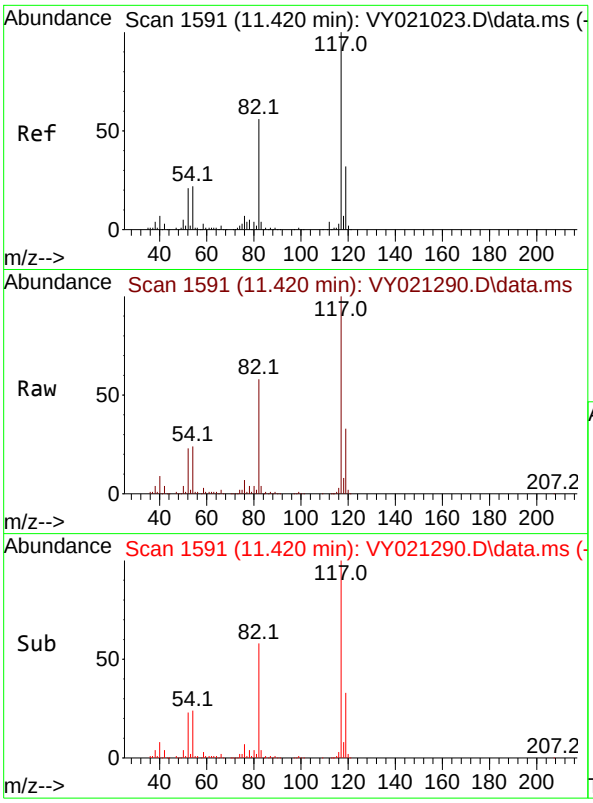




#62
4-Bromofluorobenzene
Concen: 50.599 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021290.D
Acq: 21 Feb 2025 16:57

Tgt Ion: 95 Resp: 130482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.8 | 0.0 | 160.0 |
| 176 | 83.2 | 0.0 | 151.8 |



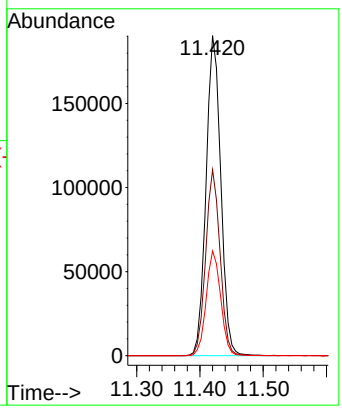


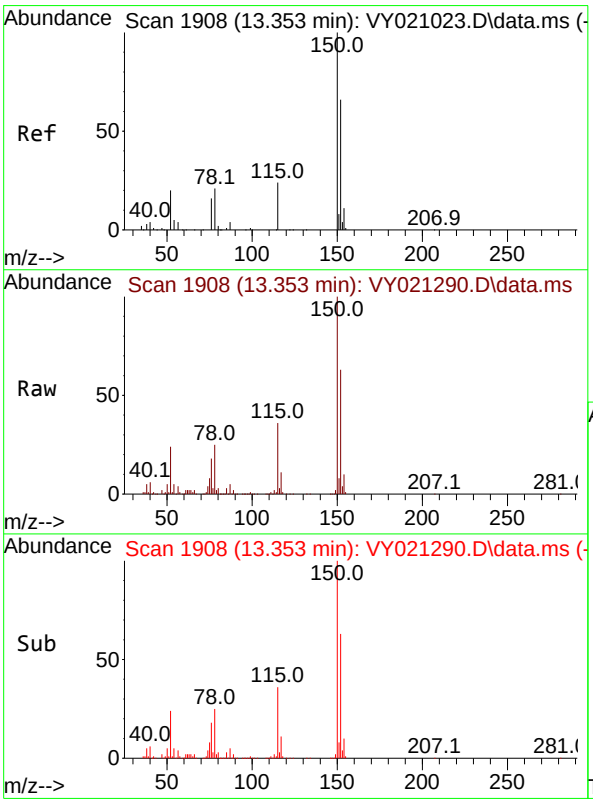

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021290.D
Acq: 21 Feb 2025 16:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-04-021725

Tgt Ion:117 Resp: 308440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 43.8 | 65.8 |
| 119 | 32.7 | 26.5 | 39.7 |

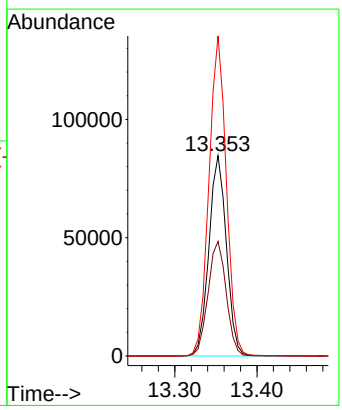



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021290.D
Acq: 21 Feb 2025 16:57

Tgt Ion:152 Resp: 125474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.3 | 30.0 | 90.0 |
| 150 | 158.5 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-05-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-09 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92 |
| Sample Wt/Vol: | 5.88 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021291.D | 1 | | 02/21/25 17:21 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0037 | U | 0.0015 | 0.0037 | 0.0046 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0023 | UQ | 0.0011 | 0.0023 | 0.0046 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0023 | UQ | 0.00071 | 0.0023 | 0.0046 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0037 | U | 0.00095 | 0.0037 | 0.0046 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0023 | UQ | 0.00093 | 0.0023 | 0.0046 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.012 | U | 0.0048 | 0.012 | 0.023 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0037 | U | 0.00084 | 0.0037 | 0.0046 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0023 | U | 0.00099 | 0.0023 | 0.0046 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0023 | U | 0.00072 | 0.0023 | 0.0046 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.012 | U | 0.0046 | 0.012 | 0.023 | mg/Kg |
| 67-64-1 | Acetone | 0.037 | | 0.0058 | 0.019 | 0.023 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0037 | U | 0.0012 | 0.0037 | 0.0046 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0023 | U | 0.00062 | 0.0023 | 0.0046 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0074 | U | 0.0032 | 0.0074 | 0.0092 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0023 | U | 0.00078 | 0.0023 | 0.0046 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0023 | U | 0.00058 | 0.0023 | 0.0046 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.019 | U | 0.0052 | 0.019 | 0.023 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0023 | U | 0.00080 | 0.0023 | 0.0046 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0037 | U | 0.0015 | 0.0037 | 0.0046 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0023 | U | 0.00056 | 0.0023 | 0.0046 | mg/Kg |
| 67-66-3 | Chloroform | 0.0037 | U | 0.00062 | 0.0037 | 0.0046 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0023 | U | 0.00072 | 0.0023 | 0.0046 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0023 | U | 0.00067 | 0.0023 | 0.0046 | mg/Kg |
| 71-43-2 | Benzene | 0.0023 | U | 0.00067 | 0.0023 | 0.0046 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0023 | U | 0.00056 | 0.0023 | 0.0046 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0023 | U | 0.00069 | 0.0023 | 0.0046 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0023 | U | 0.00061 | 0.0023 | 0.0046 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0023 | U | 0.00052 | 0.0023 | 0.0046 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.012 | U | 0.0040 | 0.012 | 0.023 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-05-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-09 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92 |
| Sample Wt/Vol: | 5.88 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021291.D | 1 | | 02/21/25 17:21 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0023 | U | 0.00062 | 0.0023 | 0.0046 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0023 | U | 0.00055 | 0.0023 | 0.0046 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0023 | U | 0.00053 | 0.0023 | 0.0046 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0023 | U | 0.00078 | 0.0023 | 0.0046 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0023 | U | 0.00055 | 0.0023 | 0.0046 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.012 | U | 0.0044 | 0.012 | 0.023 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0023 | U | 0.00060 | 0.0023 | 0.0046 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0023 | U | 0.00073 | 0.0023 | 0.0046 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0023 | U | 0.00082 | 0.0023 | 0.0046 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0023 | U | 0.00068 | 0.0023 | 0.0046 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0023 | U | 0.00059 | 0.0023 | 0.0046 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0046 | U | 0.0012 | 0.0046 | 0.0092 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0069 | U | 0.0019 | 0.0069 | 0.014 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0023 | U | 0.00065 | 0.0023 | 0.0046 | mg/Kg |
| 100-42-5 | Styrene | 0.0023 | U | 0.00055 | 0.0023 | 0.0046 | mg/Kg |
| 75-25-2 | Bromoform | 0.0023 | U | 0.00075 | 0.0023 | 0.0046 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0023 | U | 0.00062 | 0.0023 | 0.0046 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0023 | U | 0.0010 | 0.0023 | 0.0046 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0037 | U | 0.0011 | 0.0037 | 0.0046 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0023 | U | 0.00060 | 0.0023 | 0.0046 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0023 | U | 0.00059 | 0.0023 | 0.0046 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0023 | U | 0.00059 | 0.0023 | 0.0046 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0023 | U | 0.00055 | 0.0023 | 0.0046 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0023 | U | 0.00062 | 0.0023 | 0.0046 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0023 | U | 0.0013 | 0.0023 | 0.0046 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0023 | U | 0.00062 | 0.0023 | 0.0046 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0023 | U | 0.00054 | 0.0023 | 0.0046 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0023 | U | 0.00068 | 0.0023 | 0.0046 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0023 | U | 0.00074 | 0.0023 | 0.0046 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-05-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-09 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92 |
| Sample Wt/Vol: | 5.88 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021291.D | 1 | | 02/21/25 17:21 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0023 | U | 0.00058 | 0.0023 | 0.0046 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0023 | U | 0.00055 | 0.0023 | 0.0046 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0037 | U | 0.0014 | 0.0037 | 0.0046 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0023 | U | 0.00073 | 0.0023 | 0.0046 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0023 | U | 0.00075 | 0.0023 | 0.0046 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0023 | U | 0.00072 | 0.0023 | 0.0046 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0023 | U | 0.00074 | 0.0023 | 0.0046 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 61.5 | | 71 - 136 | | 123% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.7 | | 78 - 119 | | 103% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.2 | | 85 - 116 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.4 | | 79 - 119 | | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 167000 | 7.713 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 319000 | 8.621 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 307000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 122000 | 13.352 | | | | |

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_Y\Data\VY022125\
Data File : VY021291.D
Acq On : 21 Feb 2025 17:21
Operator : SY/MD
Sample : Q1382-09
Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-05-021725

Quant Time: Feb 21 23:10:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

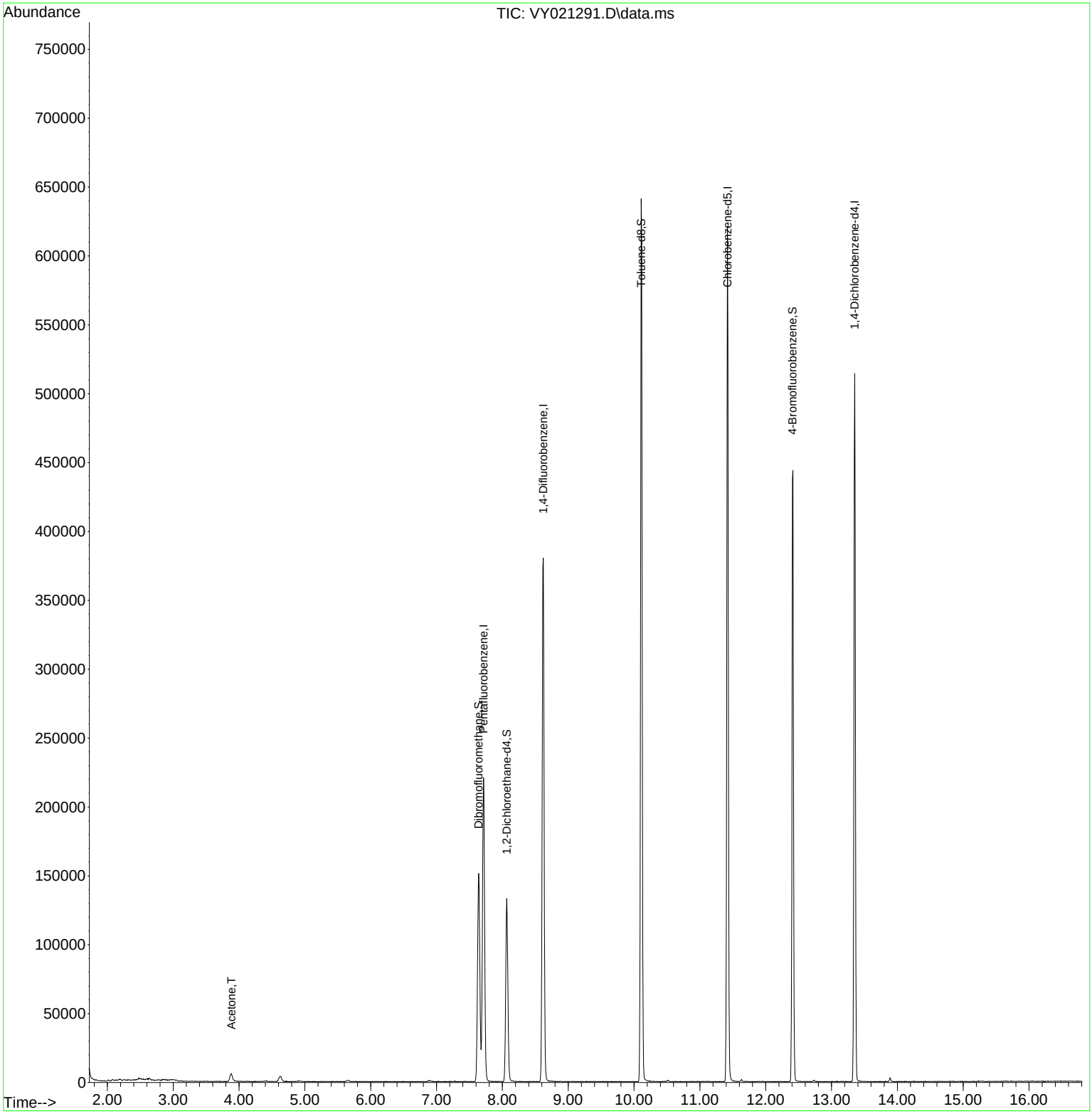
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 167051 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.621 | 114 | 318752 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 306730 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 122113 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 105337 | 61.544 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 123.080% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 105511 | 51.651 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 103.300% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 398237 | 51.207 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 102.420% | | | |
| 62) 4-Bromofluorobenzene | 12.407 | 95 | 128037 | 50.394 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 100.780% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 3.884 | 43 | 10813 | 40.511 | ug/l | 92 |

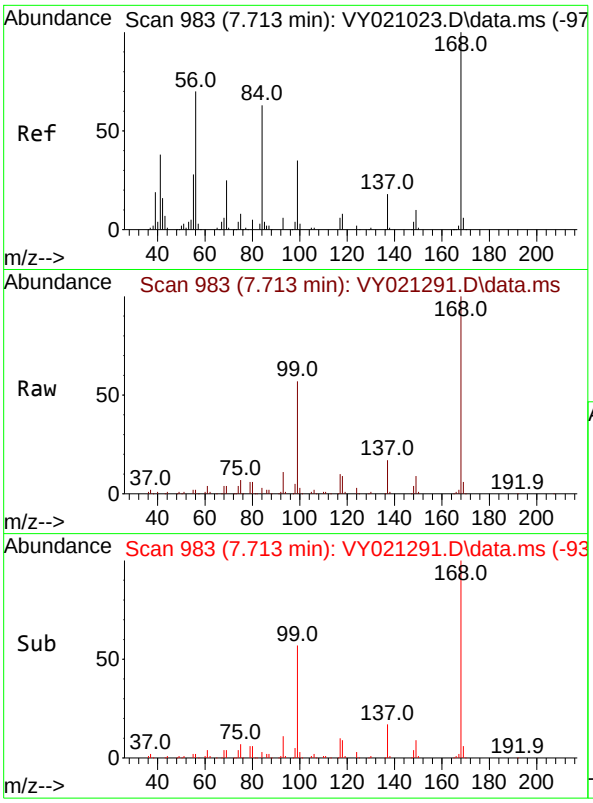
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021291.D
Acq On : 21 Feb 2025 17:21
Operator : SY/MD
Sample : Q1382-09
Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-05-021725

Quant Time: Feb 21 23:10:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



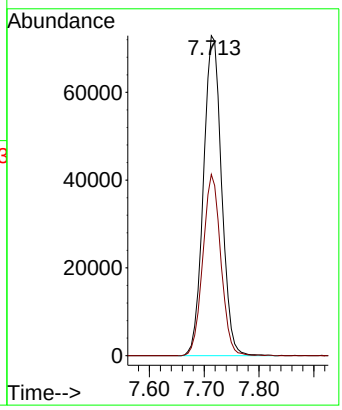


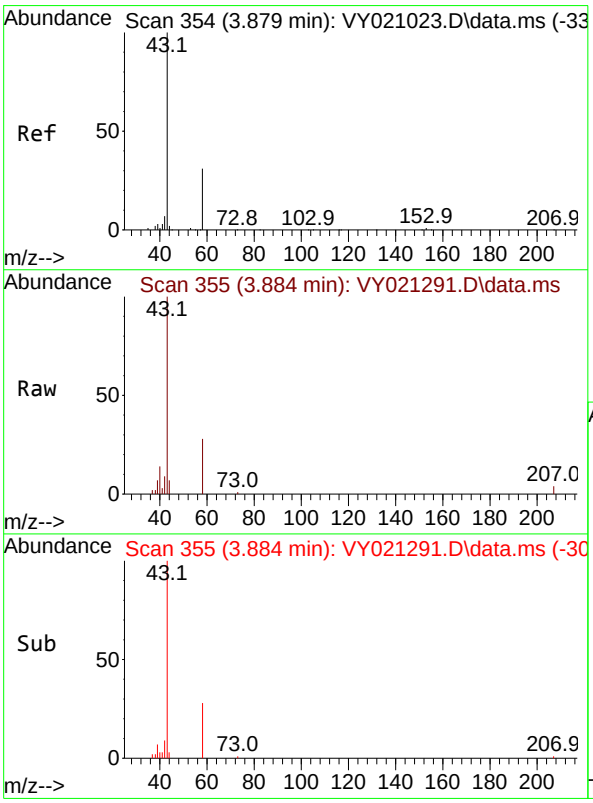

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-05-021725

Tgt Ion:168 Resp: 167051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.6 | 44.2 | 66.4 |

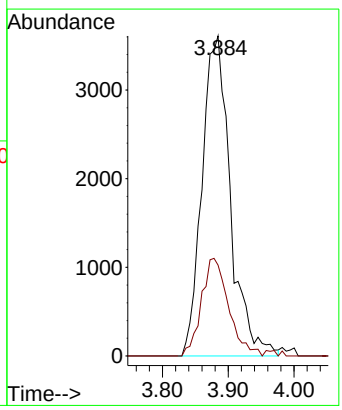


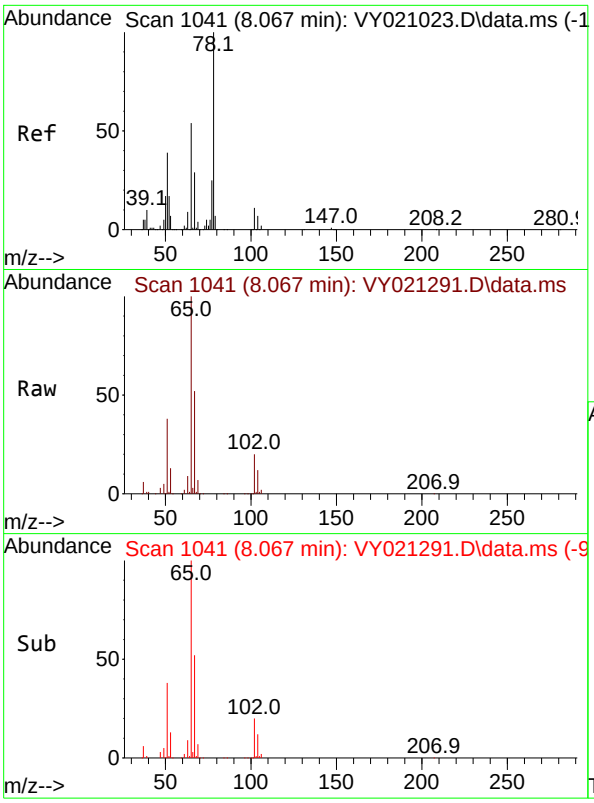




#16
Acetone
Concen: 40.511 ug/l
RT: 3.884 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion: 43 Resp: 10813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.4 | 26.6 | 39.8 |



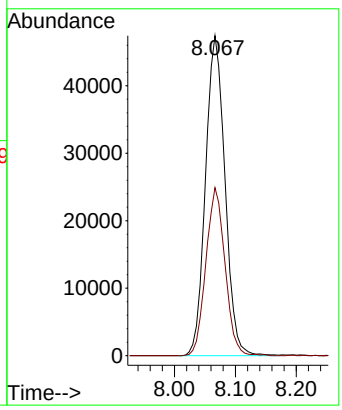


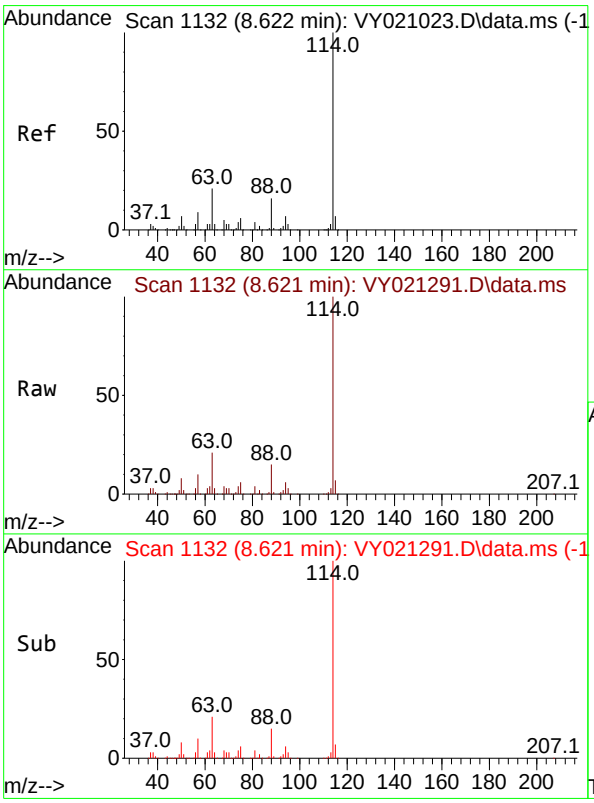

#33
1,2-Dichloroethane-d4
Concen: 61.544 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-05-021725

Tgt Ion: 65 Resp: 105337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 109.0 |

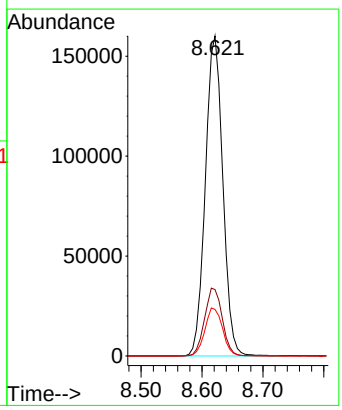


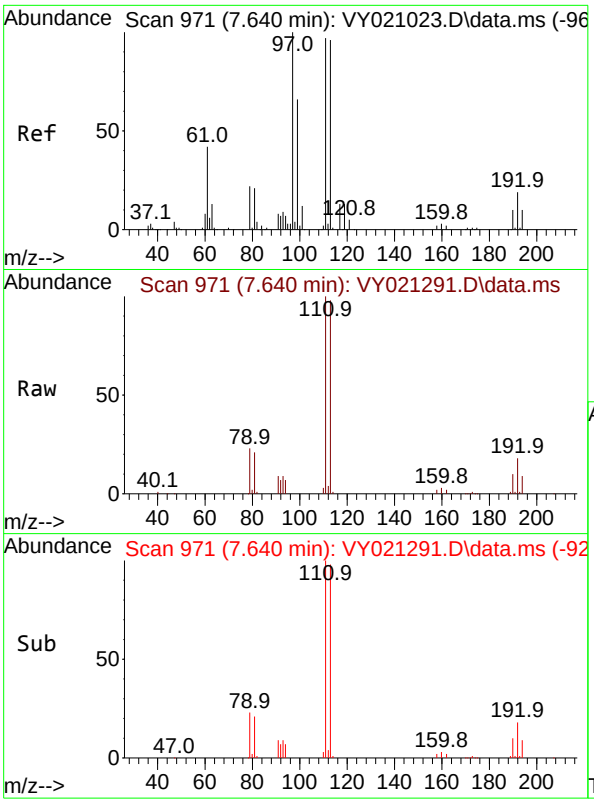




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion:114 Resp: 318752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 37.4 |
| 88 | 14.6 | 0.0 | 29.0 |



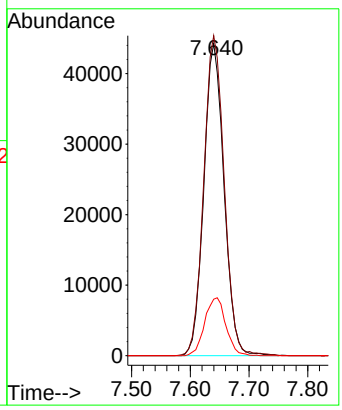


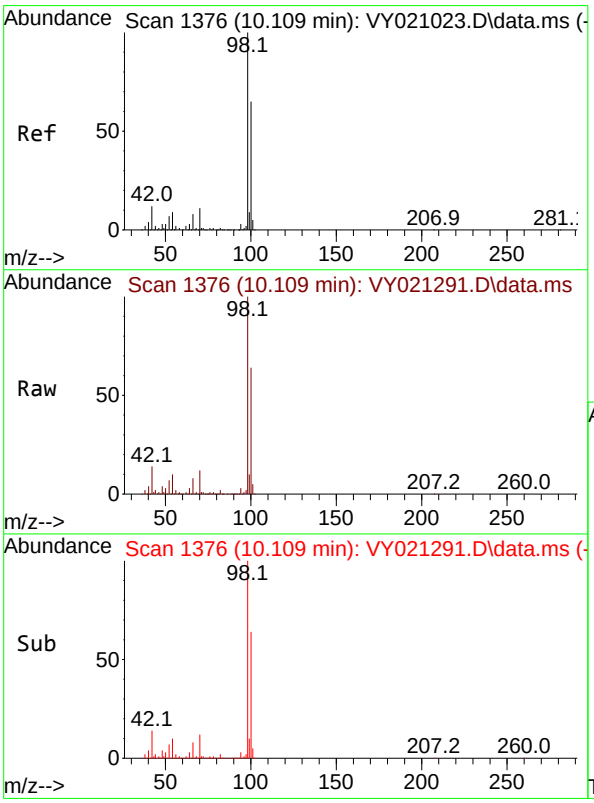

#35
Dibromofluoromethane
Concen: 51.651 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-05-021725

Tgt Ion:113 Resp: 105511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.2 | 83.8 | 125.6 |
| 192 | 19.5 | 14.5 | 21.7 |

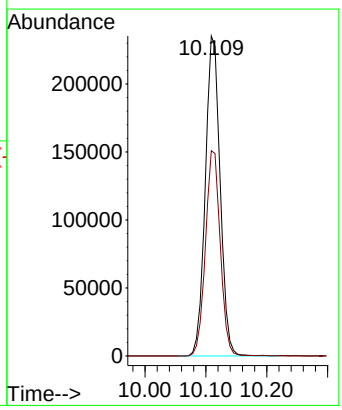


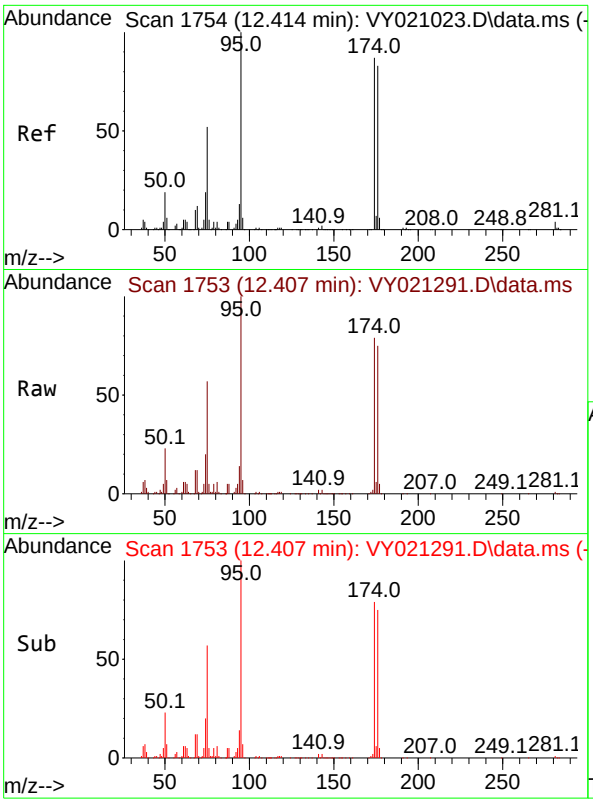




#50
Toluene-d8
Concen: 51.207 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion: 98 Resp: 398237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.2 | 52.3 | 78.5 |



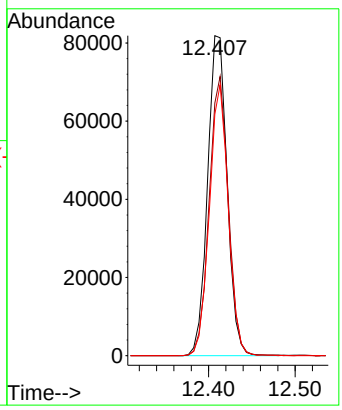


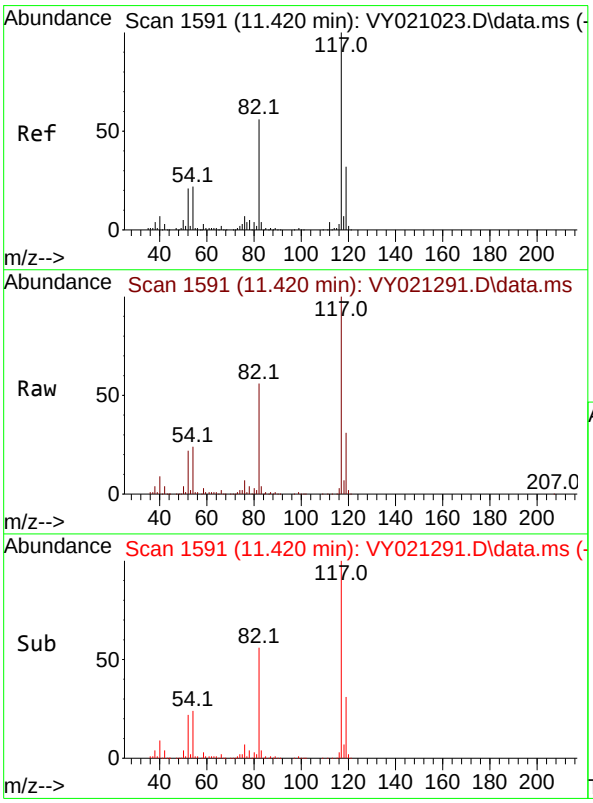

#62
4-Bromofluorobenzene
Concen: 50.394 ug/l
RT: 12.407 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-05-021725

Tgt Ion: 95 Resp: 128037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.9 | 0.0 | 160.0 |
| 176 | 82.1 | 0.0 | 151.8 |

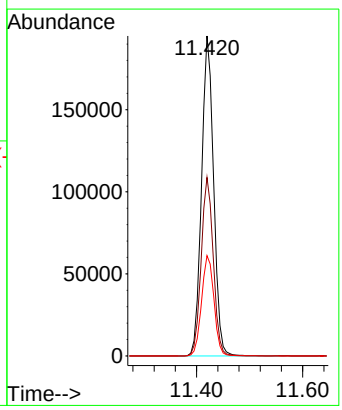


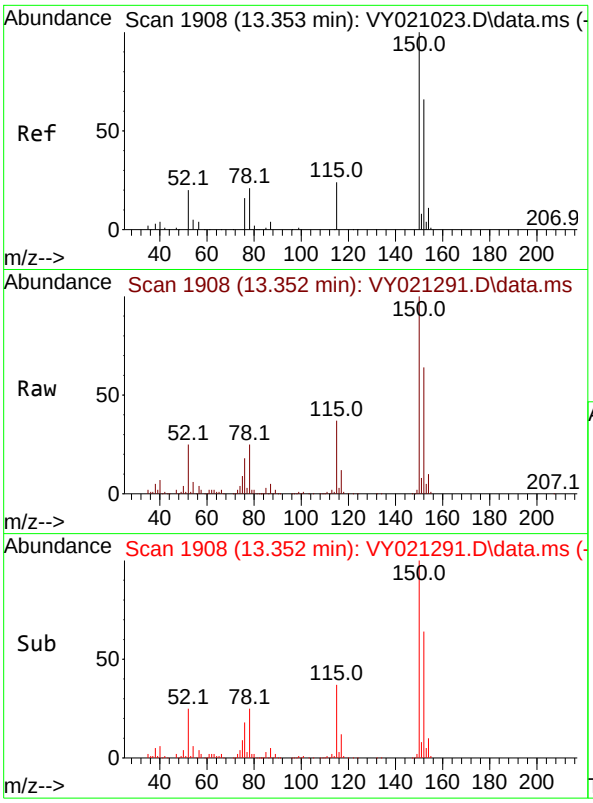




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion:117 Resp: 306730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.8 | 43.8 | 65.8 |
| 119 | 31.4 | 26.5 | 39.7 |



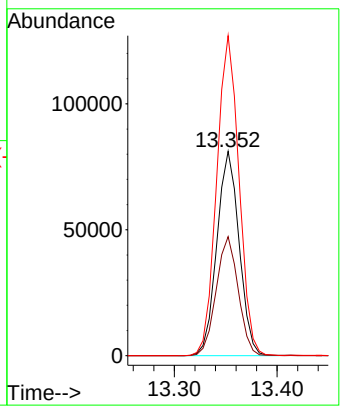



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-05-021725

Tgt Ion:152 Resp: 122113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.7 | 30.0 | 90.0 |
| 150 | 156.6 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-06-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-11 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.2 |
| Sample Wt/Vol: | 5.95 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021292.D | 1 | | 02/21/25 17:44 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0036 | U | 0.0015 | 0.0036 | 0.0046 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0023 | UQ | 0.0011 | 0.0023 | 0.0046 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0023 | UQ | 0.00070 | 0.0023 | 0.0046 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0036 | U | 0.00094 | 0.0036 | 0.0046 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0023 | UQ | 0.00092 | 0.0023 | 0.0046 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.011 | U | 0.0048 | 0.011 | 0.023 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0036 | U | 0.00083 | 0.0036 | 0.0046 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0023 | U | 0.00098 | 0.0023 | 0.0046 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0023 | U | 0.00071 | 0.0023 | 0.0046 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.011 | U | 0.0046 | 0.011 | 0.023 | mg/Kg |
| 67-64-1 | Acetone | 0.044 | | 0.0057 | 0.018 | 0.023 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0036 | U | 0.0012 | 0.0036 | 0.0046 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0023 | U | 0.00061 | 0.0023 | 0.0046 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0073 | U | 0.0031 | 0.0073 | 0.0091 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0023 | U | 0.00077 | 0.0023 | 0.0046 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.018 | U | 0.0052 | 0.018 | 0.023 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0023 | U | 0.00079 | 0.0023 | 0.0046 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0036 | U | 0.0014 | 0.0036 | 0.0046 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0023 | U | 0.00056 | 0.0023 | 0.0046 | mg/Kg |
| 67-66-3 | Chloroform | 0.0036 | U | 0.00061 | 0.0036 | 0.0046 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0023 | U | 0.00071 | 0.0023 | 0.0046 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0023 | U | 0.00067 | 0.0023 | 0.0046 | mg/Kg |
| 71-43-2 | Benzene | 0.0023 | U | 0.00066 | 0.0023 | 0.0046 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0023 | U | 0.00056 | 0.0023 | 0.0046 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0023 | U | 0.00068 | 0.0023 | 0.0046 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0023 | U | 0.00060 | 0.0023 | 0.0046 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0023 | U | 0.00051 | 0.0023 | 0.0046 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.011 | U | 0.0040 | 0.011 | 0.023 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-06-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-11 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.2 |
| Sample Wt/Vol: | 5.95 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021292.D | 1 | | 02/21/25 17:44 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0023 | U | 0.00061 | 0.0023 | 0.0046 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0023 | U | 0.00055 | 0.0023 | 0.0046 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0023 | U | 0.00052 | 0.0023 | 0.0046 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0023 | U | 0.00077 | 0.0023 | 0.0046 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0023 | U | 0.00054 | 0.0023 | 0.0046 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.011 | U | 0.0044 | 0.011 | 0.023 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0023 | U | 0.00059 | 0.0023 | 0.0046 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0023 | U | 0.00072 | 0.0023 | 0.0046 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0023 | U | 0.00081 | 0.0023 | 0.0046 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0023 | U | 0.00067 | 0.0023 | 0.0046 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0023 | U | 0.00058 | 0.0023 | 0.0046 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0046 | U | 0.0012 | 0.0046 | 0.0091 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0069 | U | 0.0018 | 0.0069 | 0.014 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0023 | U | 0.00064 | 0.0023 | 0.0046 | mg/Kg |
| 100-42-5 | Styrene | 0.0023 | U | 0.00055 | 0.0023 | 0.0046 | mg/Kg |
| 75-25-2 | Bromoform | 0.0023 | U | 0.00074 | 0.0023 | 0.0046 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0023 | U | 0.00061 | 0.0023 | 0.0046 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0023 | U | 0.0010 | 0.0023 | 0.0046 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0036 | U | 0.0011 | 0.0036 | 0.0046 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0023 | U | 0.00059 | 0.0023 | 0.0046 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0023 | U | 0.00058 | 0.0023 | 0.0046 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0023 | U | 0.00058 | 0.0023 | 0.0046 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0023 | U | 0.00054 | 0.0023 | 0.0046 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0023 | U | 0.00061 | 0.0023 | 0.0046 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0023 | U | 0.0012 | 0.0023 | 0.0046 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0023 | U | 0.00061 | 0.0023 | 0.0046 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0023 | U | 0.00053 | 0.0023 | 0.0046 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0023 | U | 0.00067 | 0.0023 | 0.0046 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0023 | U | 0.00073 | 0.0023 | 0.0046 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-06-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-11 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.2 |
| Sample Wt/Vol: | 5.95 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021292.D | 1 | | 02/21/25 17:44 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0023 | U | 0.00054 | 0.0023 | 0.0046 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0036 | U | 0.0014 | 0.0036 | 0.0046 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0023 | U | 0.00072 | 0.0023 | 0.0046 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0023 | U | 0.00074 | 0.0023 | 0.0046 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0023 | U | 0.00071 | 0.0023 | 0.0046 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0023 | U | 0.00073 | 0.0023 | 0.0046 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 59.9 | | 71 - 136 | | 120% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.9 | | 78 - 119 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.0 | | 85 - 116 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.5 | | 79 - 119 | | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 166000 | 7.713 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 326000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 311000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 127000 | 13.353 | | | | |

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_Y\Data\VY022125\
Data File : VY021292.D
Acq On : 21 Feb 2025 17:44
Operator : SY/MD
Sample : Q1382-11
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-06-021725

Quant Time: Feb 21 23:10:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

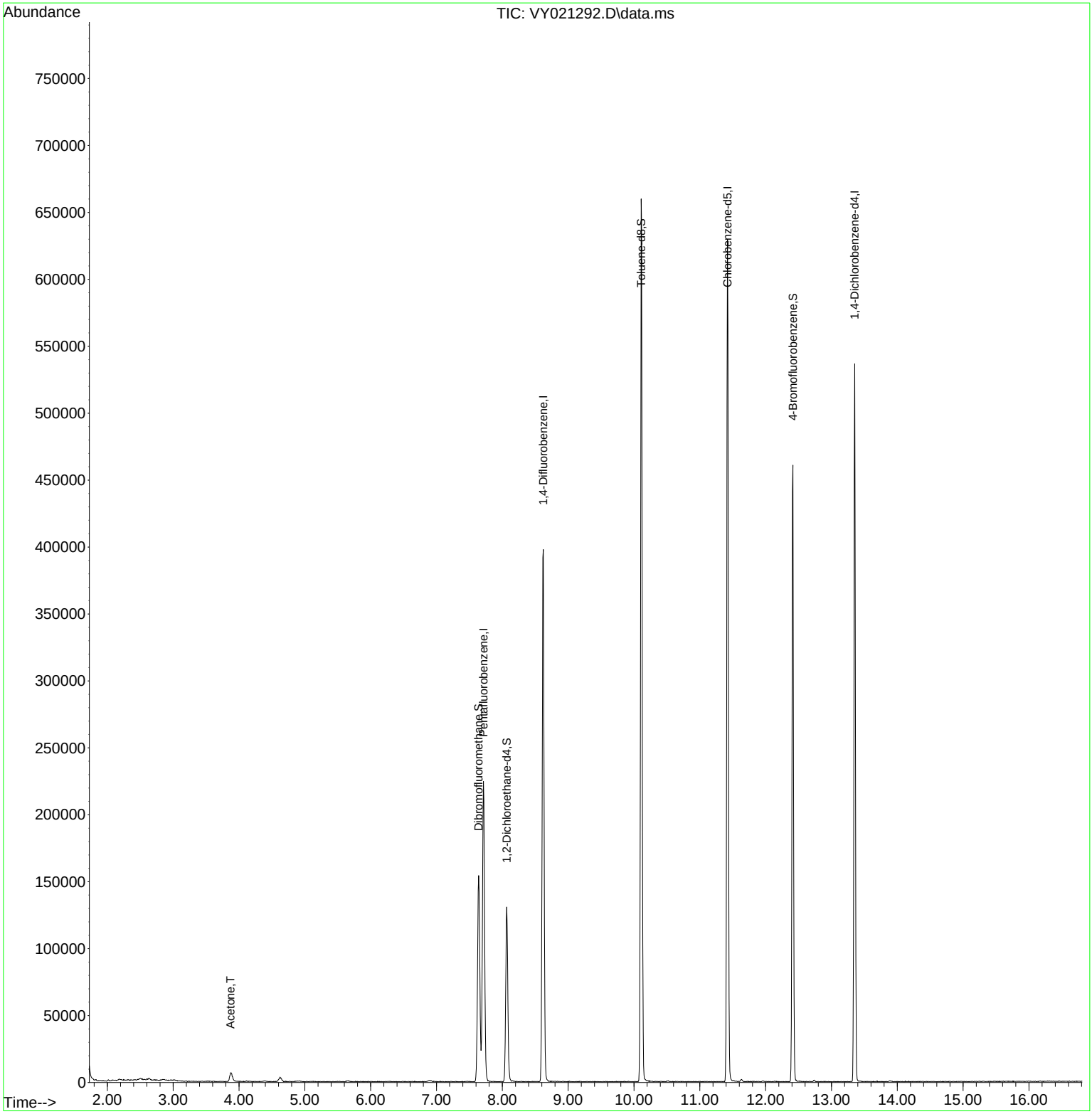
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 166371 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 325610 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 311285 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 126553 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 102162 | 59.933 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 119.860% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 106313 | 50.947 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 101.900% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 405486 | 51.041 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 102.080% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 131017 | 50.481 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 100.960% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 3.873 | 43 | 12904 | 48.542 | ug/l | 93 |

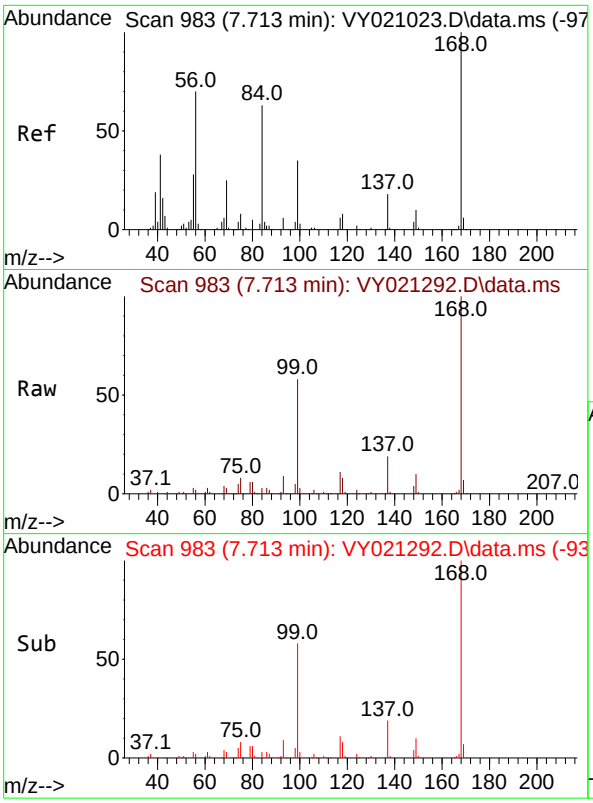
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021292.D
Acq On : 21 Feb 2025 17:44
Operator : SY/MD
Sample : Q1382-11
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-06-021725

Quant Time: Feb 21 23:10:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



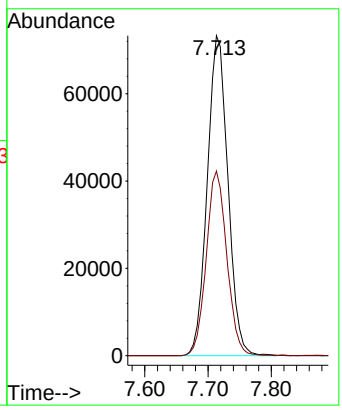


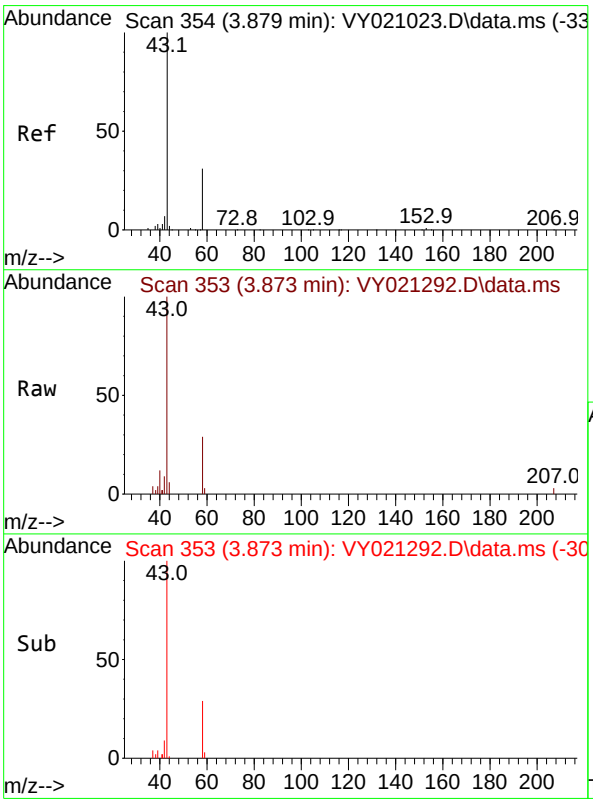

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021292.D
Acq: 21 Feb 2025 17:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-06-021725

Tgt Ion:168 Resp: 166371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.7 | 44.2 | 66.4 |

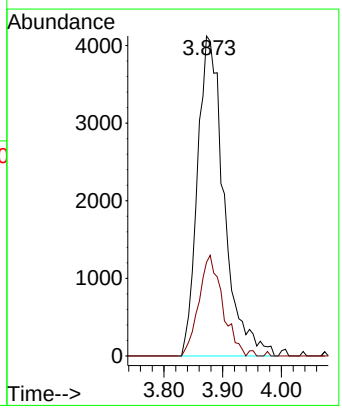


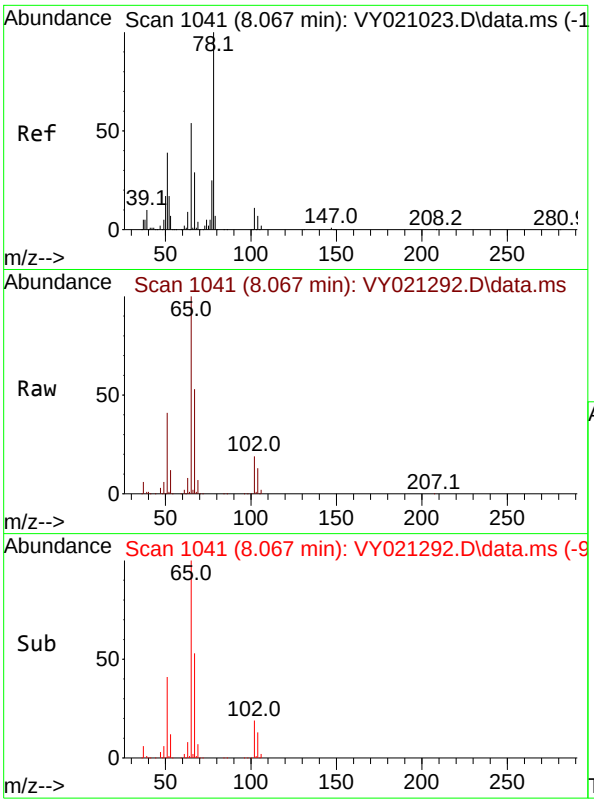




#16
Acetone
Concen: 48.542 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021292.D
Acq: 21 Feb 2025 17:44

Tgt Ion: 43 Resp: 12904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.3 | 26.6 | 39.8 |



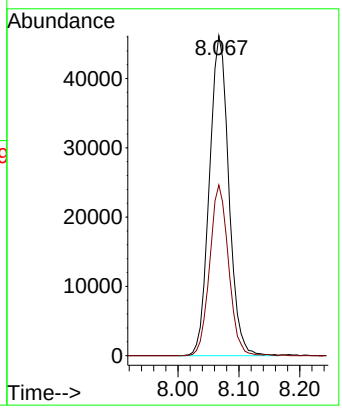


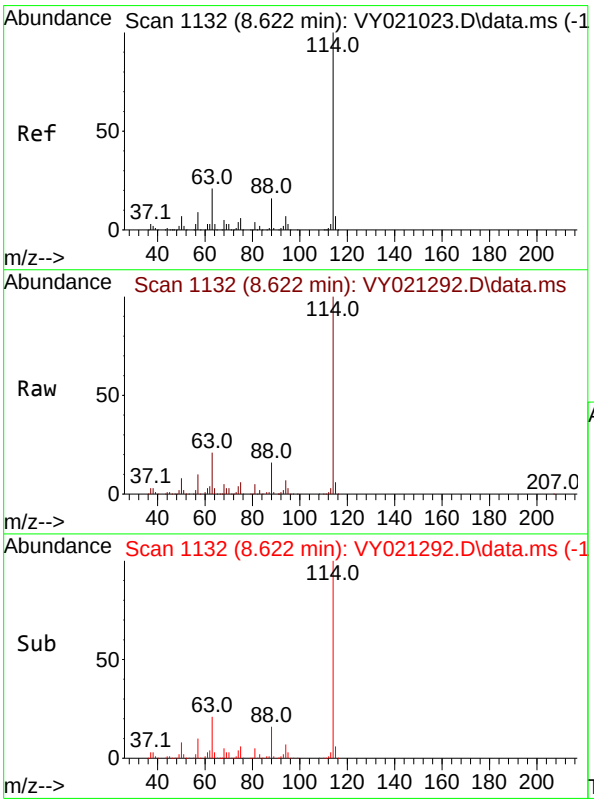

#33
1,2-Dichloroethane-d4
Concen: 59.933 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021292.D
Acq: 21 Feb 2025 17:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-06-021725

Tgt Ion: 65 Resp: 102162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 109.0 |

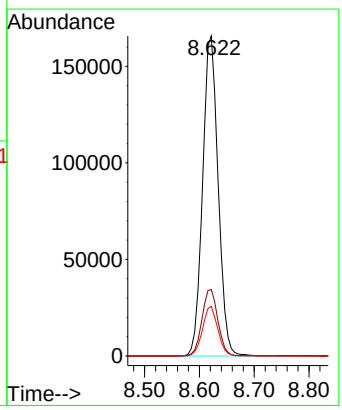


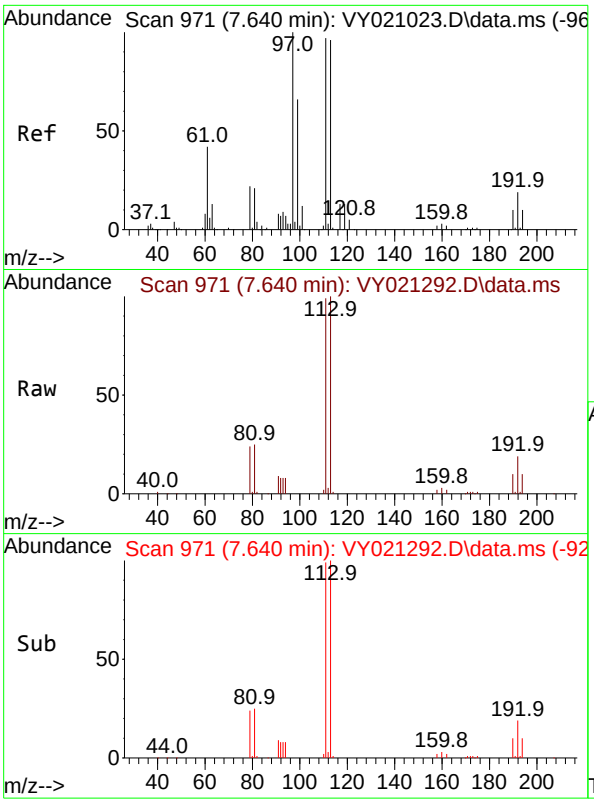




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021292.D
Acq: 21 Feb 2025 17:44

Tgt Ion:114 Resp: 325610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 37.4 |
| 88 | 15.5 | 0.0 | 29.0 |



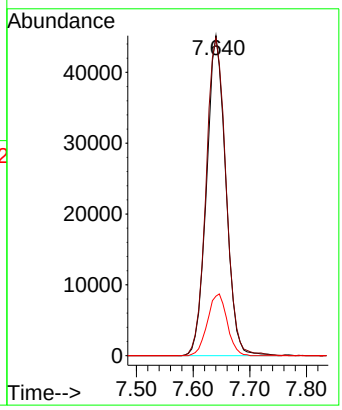


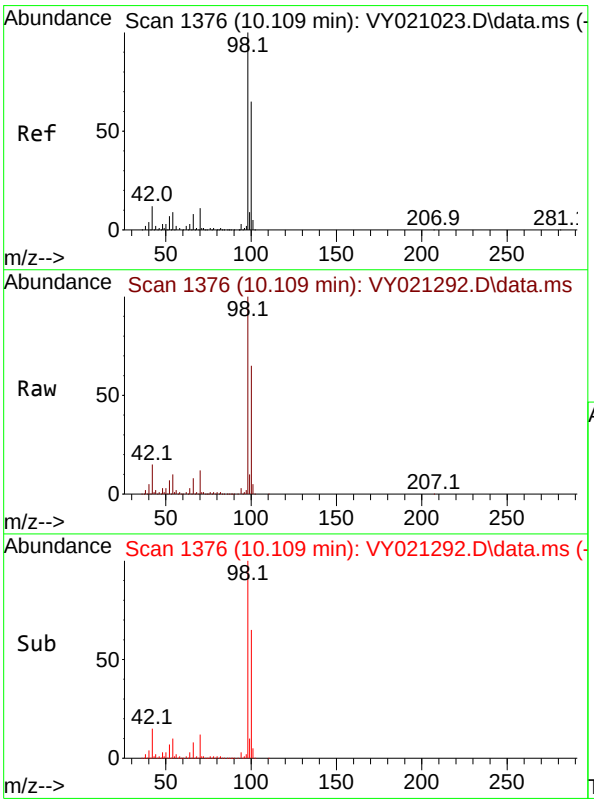

#35
Dibromofluoromethane
Concen: 50.947 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021292.D
Acq: 21 Feb 2025 17:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-06-021725

Tgt Ion:113 Resp: 106313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 83.8 | 125.6 |
| 192 | 19.8 | 14.5 | 21.7 |

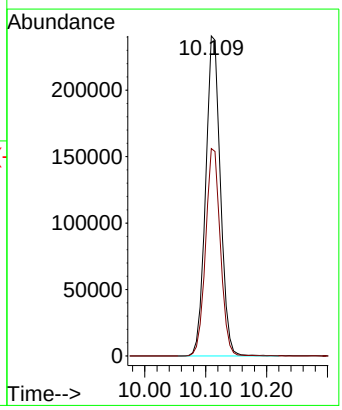


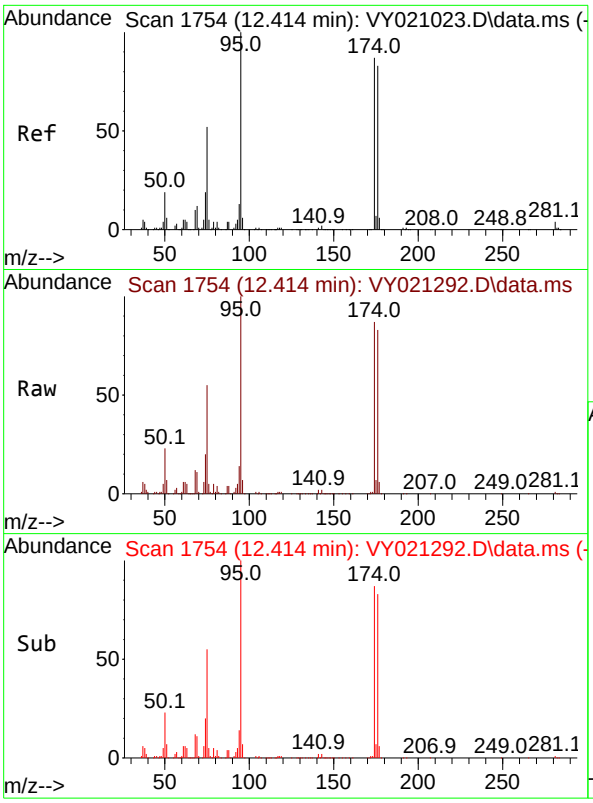




#50
Toluene-d8
Concen: 51.041 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021292.D
Acq: 21 Feb 2025 17:44

Tgt Ion: 98 Resp: 405486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 52.3 | 78.5 |



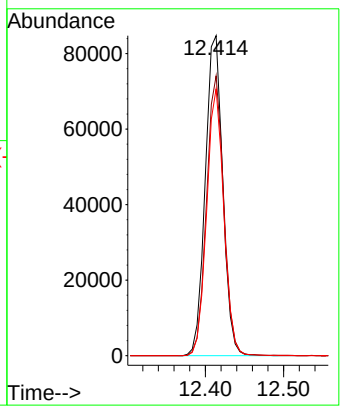


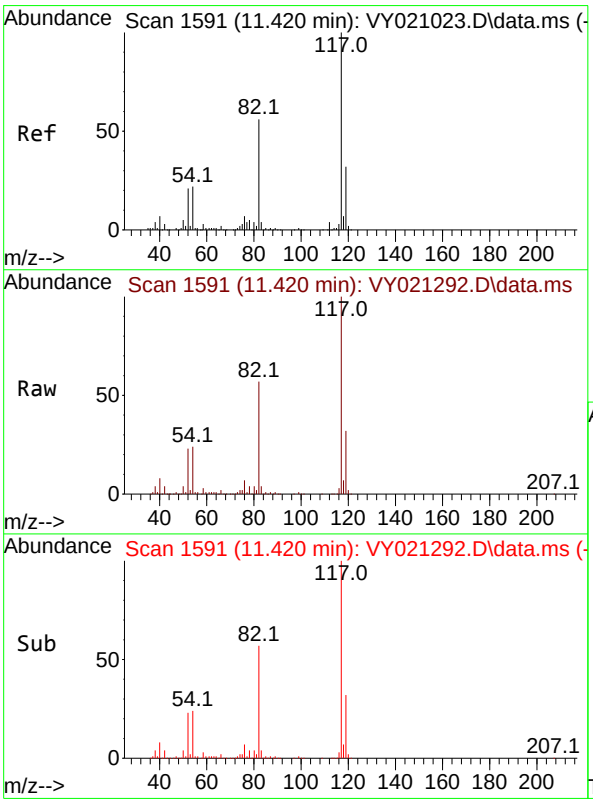

#62
4-Bromofluorobenzene
Concen: 50.481 ug/l
RT: 12.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021292.D
Acq: 21 Feb 2025 17:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-06-021725

Tgt Ion: 95 Resp: 131017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.5 | 0.0 | 160.0 |
| 176 | 81.8 | 0.0 | 151.8 |

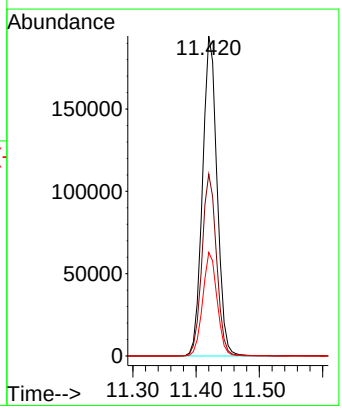


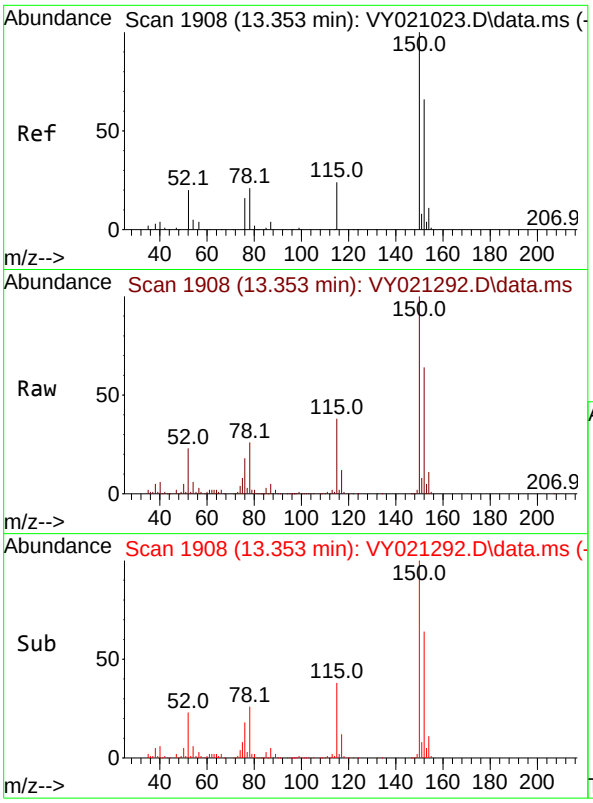




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021292.D
Acq: 21 Feb 2025 17:44

Tgt Ion:117 Resp: 311285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.9 | 43.8 | 65.8 |
| 119 | 32.3 | 26.5 | 39.7 |



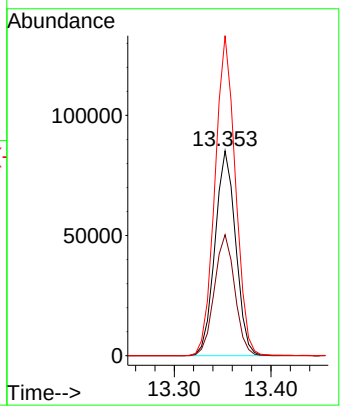



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021292.D
Acq: 21 Feb 2025 17:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-06-021725

Tgt Ion:152 Resp: 126553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.4 | 30.0 | 90.0 |
| 150 | 154.8 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-07-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-13 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.2 |
| Sample Wt/Vol: | 6 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021293.D | 1 | | 02/21/25 18:08 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0036 | U | 0.0015 | 0.0036 | 0.0045 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0023 | UQ | 0.0010 | 0.0023 | 0.0045 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0023 | UQ | 0.00070 | 0.0023 | 0.0045 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0036 | U | 0.00093 | 0.0036 | 0.0045 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0023 | UQ | 0.00091 | 0.0023 | 0.0045 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.011 | U | 0.0047 | 0.011 | 0.023 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0036 | U | 0.00082 | 0.0036 | 0.0045 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0023 | U | 0.00097 | 0.0023 | 0.0045 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0023 | U | 0.00070 | 0.0023 | 0.0045 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.011 | U | 0.0045 | 0.011 | 0.023 | mg/Kg |
| 67-64-1 | Acetone | 0.068 | | 0.0056 | 0.018 | 0.023 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0036 | U | 0.0012 | 0.0036 | 0.0045 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0023 | U | 0.00061 | 0.0023 | 0.0045 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0072 | U | 0.0031 | 0.0072 | 0.0090 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0023 | U | 0.00076 | 0.0023 | 0.0045 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0023 | U | 0.00057 | 0.0023 | 0.0045 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.018 | U | 0.0051 | 0.018 | 0.023 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0023 | U | 0.00079 | 0.0023 | 0.0045 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0036 | U | 0.0014 | 0.0036 | 0.0045 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0023 | U | 0.00055 | 0.0023 | 0.0045 | mg/Kg |
| 67-66-3 | Chloroform | 0.0036 | U | 0.00061 | 0.0036 | 0.0045 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0023 | U | 0.00070 | 0.0023 | 0.0045 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0023 | U | 0.00066 | 0.0023 | 0.0045 | mg/Kg |
| 71-43-2 | Benzene | 0.0023 | U | 0.00065 | 0.0023 | 0.0045 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0023 | U | 0.00055 | 0.0023 | 0.0045 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0023 | U | 0.00068 | 0.0023 | 0.0045 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0023 | U | 0.00060 | 0.0023 | 0.0045 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0023 | U | 0.00056 | 0.0023 | 0.0045 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0023 | U | 0.00051 | 0.0023 | 0.0045 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.011 | U | 0.0039 | 0.011 | 0.023 | mg/Kg |

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-07-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-13 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.2 |
| Sample Wt/Vol: | 6 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021293.D | 1 | | 02/21/25 18:08 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0023 | U | 0.00061 | 0.0023 | 0.0045 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0023 | U | 0.00054 | 0.0023 | 0.0045 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0023 | U | 0.00052 | 0.0023 | 0.0045 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0023 | U | 0.00076 | 0.0023 | 0.0045 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0023 | U | 0.00053 | 0.0023 | 0.0045 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.011 | U | 0.0043 | 0.011 | 0.023 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0023 | U | 0.00059 | 0.0023 | 0.0045 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0023 | U | 0.00071 | 0.0023 | 0.0045 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0023 | U | 0.00080 | 0.0023 | 0.0045 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0023 | U | 0.00067 | 0.0023 | 0.0045 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0023 | U | 0.00058 | 0.0023 | 0.0045 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0023 | U | 0.00056 | 0.0023 | 0.0045 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0045 | U | 0.0012 | 0.0045 | 0.0090 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0068 | U | 0.0018 | 0.0068 | 0.014 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0023 | U | 0.00063 | 0.0023 | 0.0045 | mg/Kg |
| 100-42-5 | Styrene | 0.0023 | U | 0.00054 | 0.0023 | 0.0045 | mg/Kg |
| 75-25-2 | Bromoform | 0.0023 | U | 0.00073 | 0.0023 | 0.0045 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0023 | U | 0.00061 | 0.0023 | 0.0045 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0023 | U | 0.00099 | 0.0023 | 0.0045 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0036 | U | 0.0011 | 0.0036 | 0.0045 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0023 | U | 0.00059 | 0.0023 | 0.0045 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0023 | U | 0.00058 | 0.0023 | 0.0045 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0023 | U | 0.00056 | 0.0023 | 0.0045 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0023 | U | 0.00058 | 0.0023 | 0.0045 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0023 | U | 0.00053 | 0.0023 | 0.0045 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0023 | U | 0.00061 | 0.0023 | 0.0045 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0023 | U | 0.0012 | 0.0023 | 0.0045 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0023 | U | 0.00061 | 0.0023 | 0.0045 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0023 | U | 0.00052 | 0.0023 | 0.0045 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0023 | U | 0.00067 | 0.0023 | 0.0045 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0023 | U | 0.00072 | 0.0023 | 0.0045 | mg/Kg |

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-07-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-13 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.2 |
| Sample Wt/Vol: | 6 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021293.D | 1 | | 02/21/25 18:08 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0023 | U | 0.00057 | 0.0023 | 0.0045 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0023 | U | 0.00053 | 0.0023 | 0.0045 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0036 | U | 0.0014 | 0.0036 | 0.0045 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0023 | U | 0.00071 | 0.0023 | 0.0045 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0023 | U | 0.00073 | 0.0023 | 0.0045 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0023 | U | 0.00070 | 0.0023 | 0.0045 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0023 | U | 0.00072 | 0.0023 | 0.0045 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 62.8 | | 71 - 136 | | 126% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.9 | | 78 - 119 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.9 | | 85 - 116 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.0 | | 79 - 119 | | 102% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 164000 | 7.713 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 324000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 310000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 128000 | 13.353 | | | | |

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_Y\Data\VY022125\
Data File : VY021293.D
Acq On : 21 Feb 2025 18:08
Operator : SY/MD
Sample : Q1382-13
Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-07-021725

Quant Time: Feb 21 23:10:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

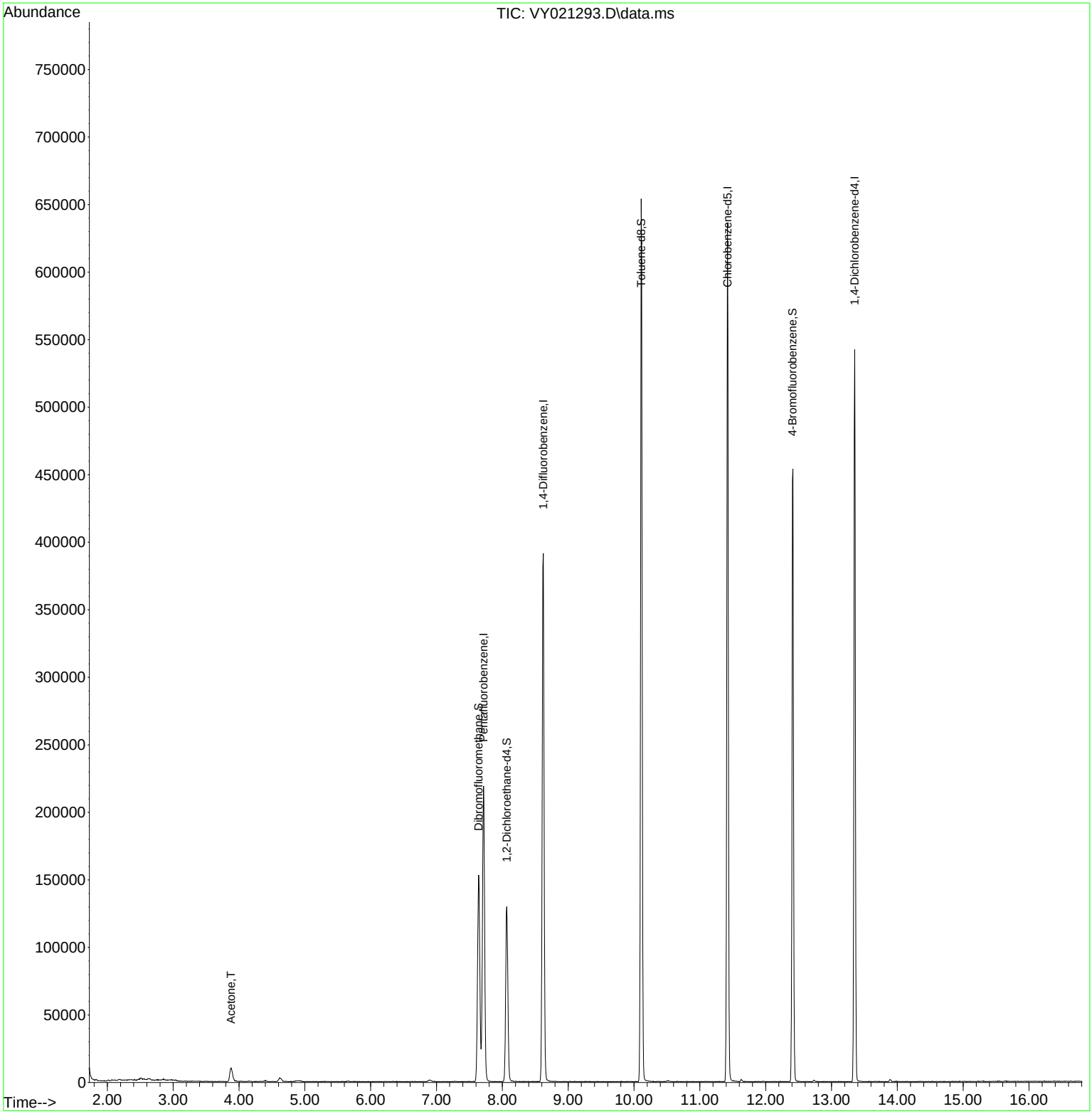
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 164423 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 323654 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 310093 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 128437 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 105861 | 62.839 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 125.680% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 105573 | 50.898 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 101.800% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 402179 | 50.931 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 101.860% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 131648 | 51.031 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 102.060% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 3.879 | 43 | 19696 | 74.970 | ug/l | 94 |

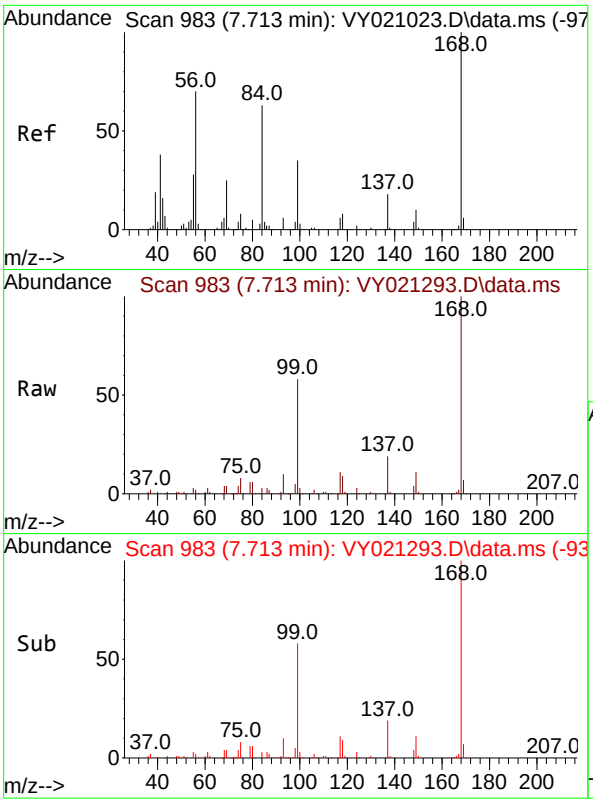
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021293.D
Acq On : 21 Feb 2025 18:08
Operator : SY/MD
Sample : Q1382-13
Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-07-021725

Quant Time: Feb 21 23:10:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



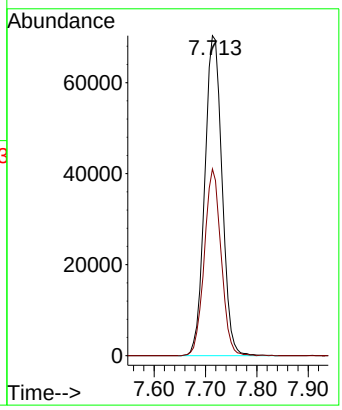


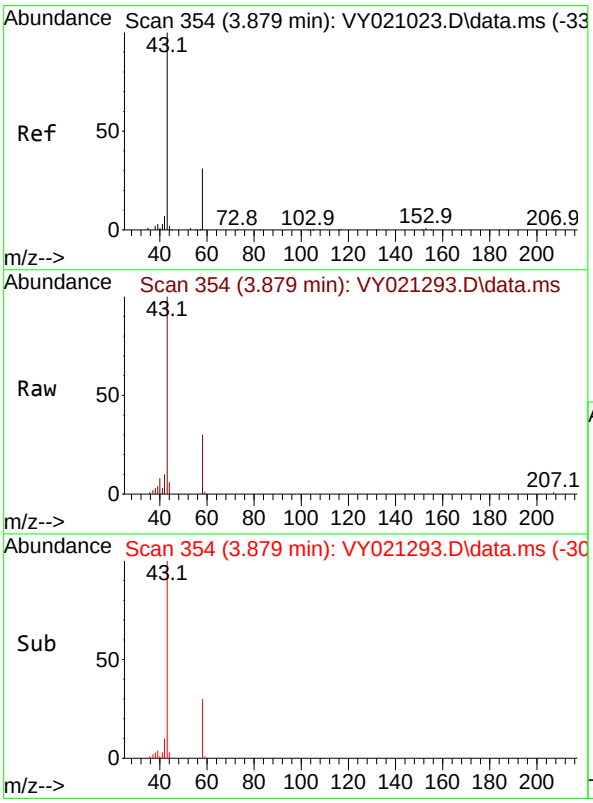

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-07-021725

Tgt Ion:168 Resp: 164423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.4 | 44.2 | 66.4 |

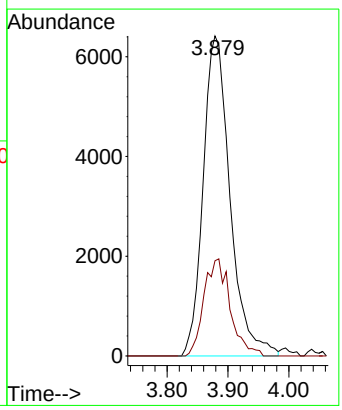


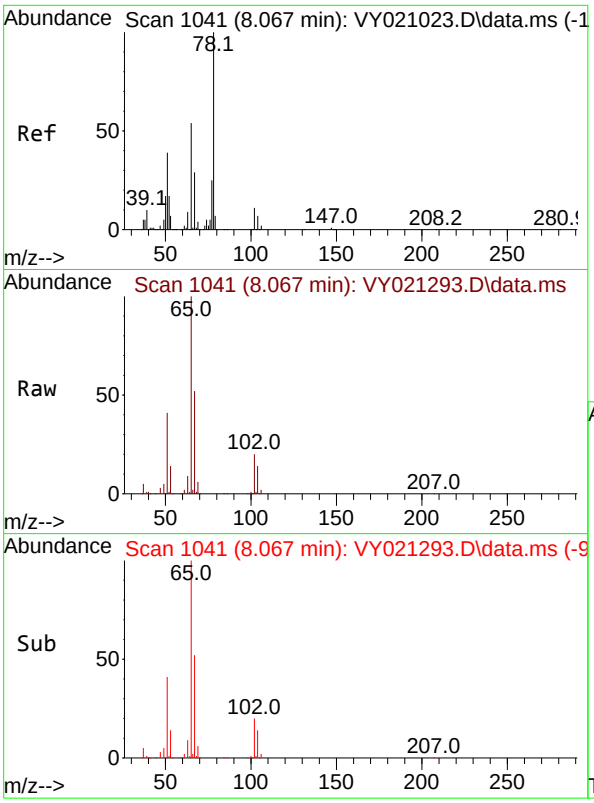




#16
Acetone
Concen: 74.970 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

Tgt Ion: 43 Resp: 19696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.7 | 26.6 | 39.8 |



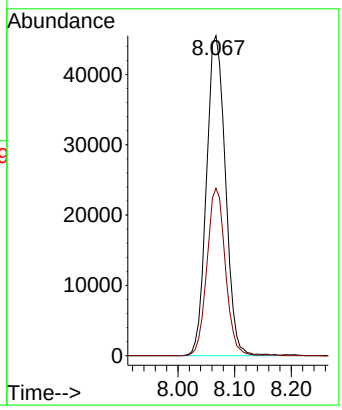


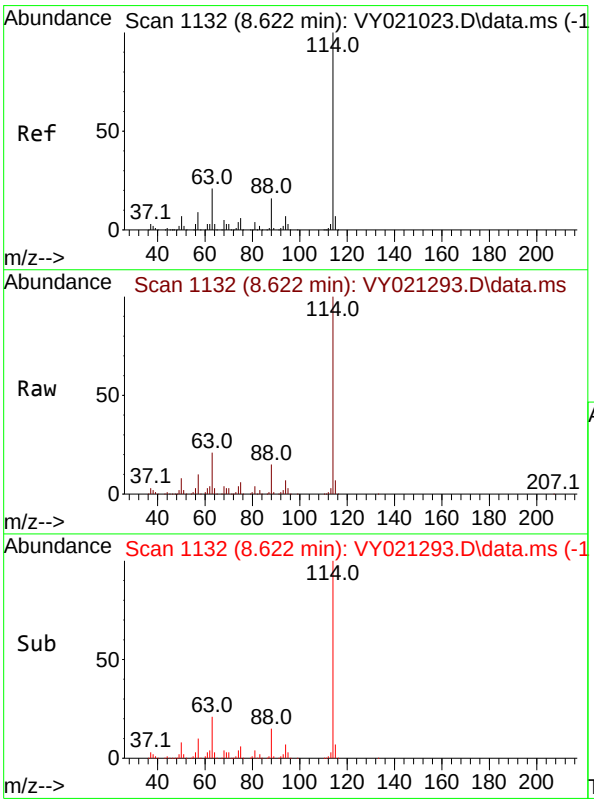

#33
1,2-Dichloroethane-d4
Concen: 62.839 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-07-021725

Tgt Ion: 65 Resp: 105861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.7 | 0.0 | 109.0 |

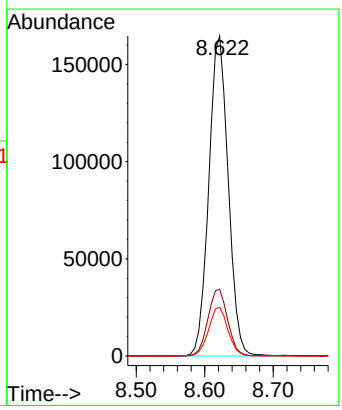


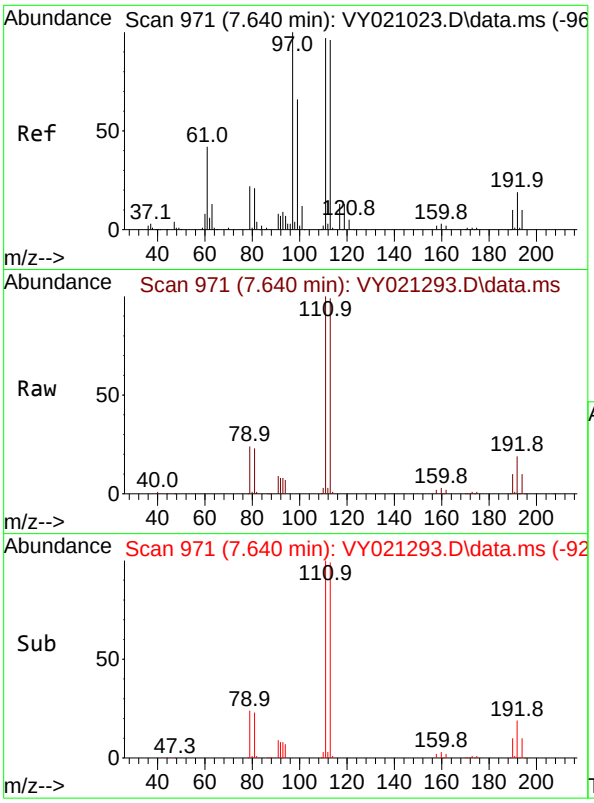




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

Tgt Ion:114 Resp: 323654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 37.4 |
| 88 | 15.2 | 0.0 | 29.0 |



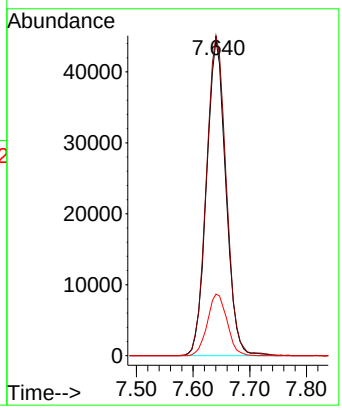


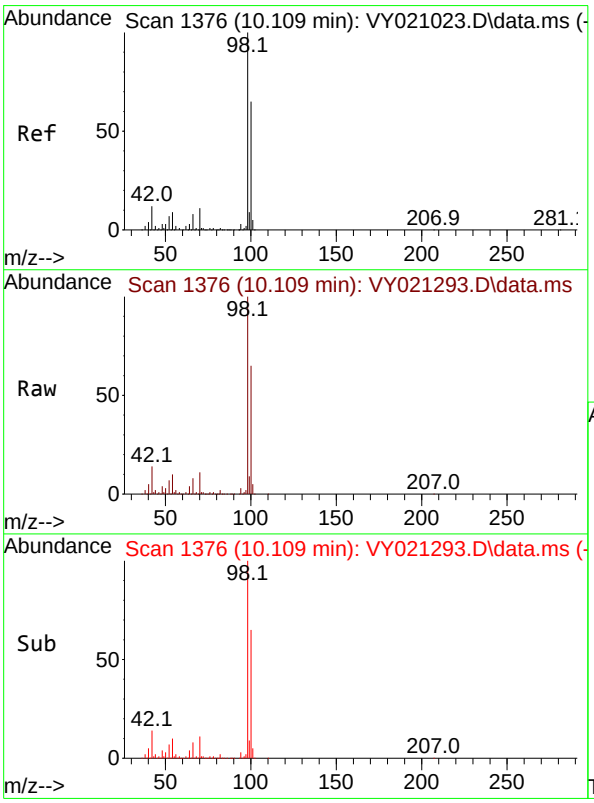

#35
Dibromofluoromethane
Concen: 50.898 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-07-021725

Tgt Ion:113 Resp: 105573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.9 | 83.8 | 125.6 |
| 192 | 19.8 | 14.5 | 21.7 |

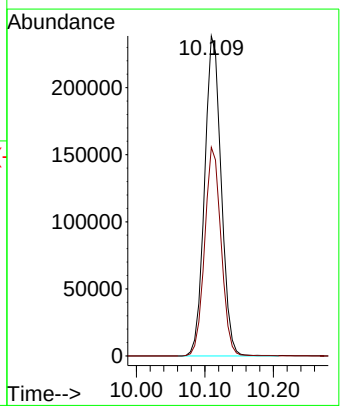


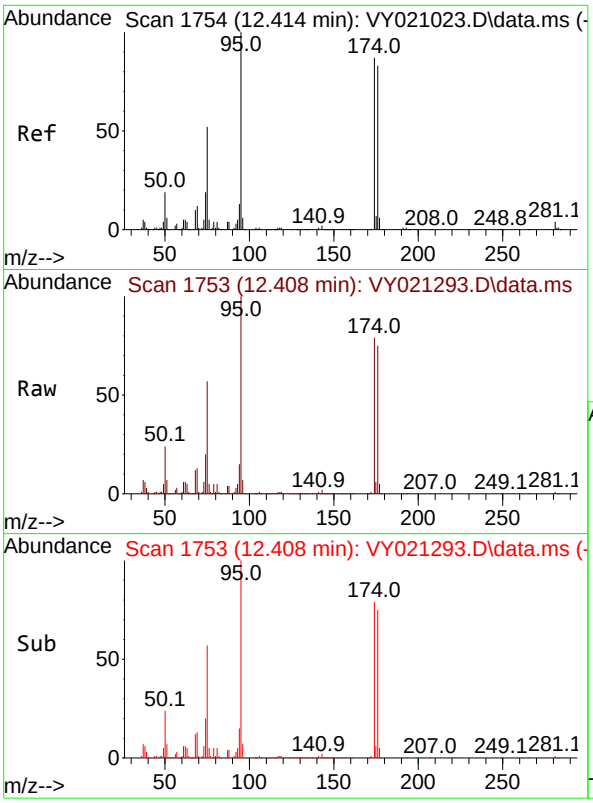




#50
Toluene-d8
Concen: 50.931 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

Tgt Ion: 98 Resp: 402179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 52.3 | 78.5 |



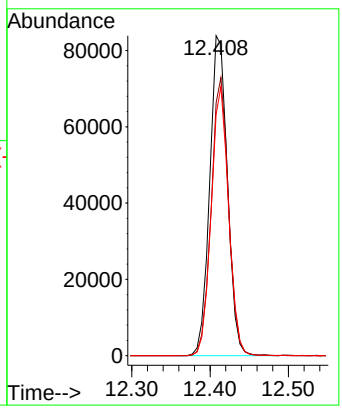


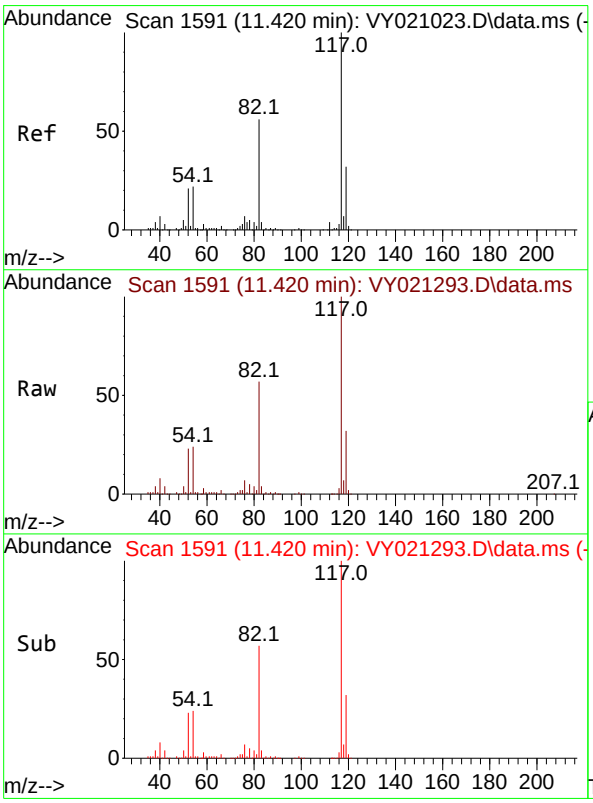

#62
4-Bromofluorobenzene
Concen: 51.031 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-07-021725

Tgt Ion: 95 Resp: 131648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.3 | 0.0 | 160.0 |
| 176 | 82.5 | 0.0 | 151.8 |

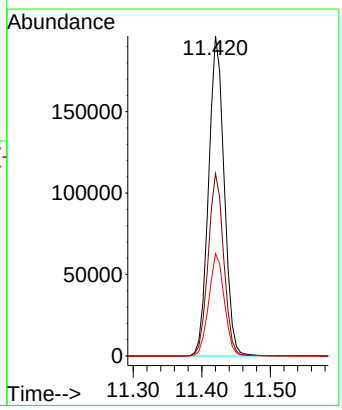


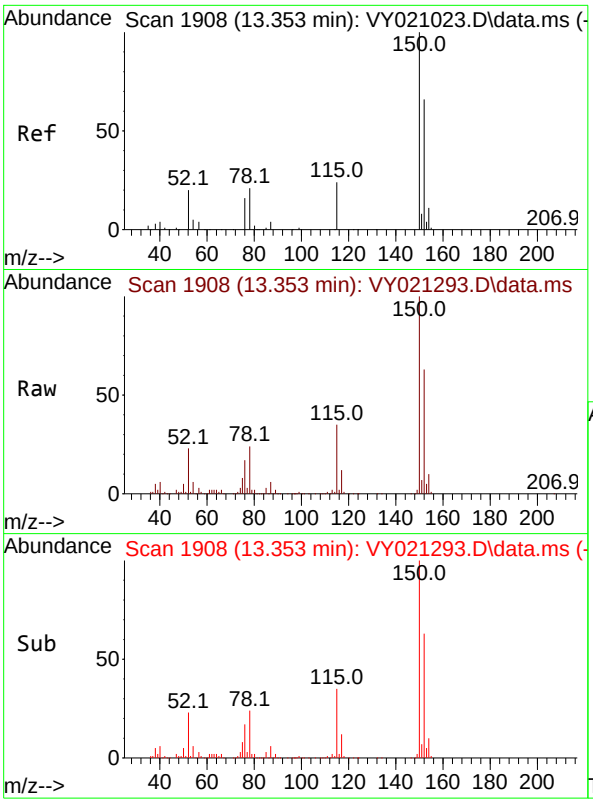




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

Tgt Ion:117 Resp: 310093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.0 | 43.8 | 65.8 |
| 119 | 32.0 | 26.5 | 39.7 |



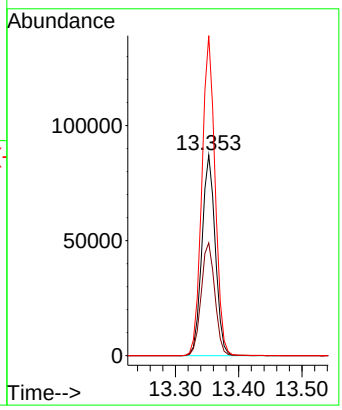



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-07-021725

Tgt Ion:152 Resp: 128437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.6 | 30.0 | 90.0 |
| 150 | 158.0 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-08-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-15 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.6 |
| Sample Wt/Vol: | 5.83 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021294.D | 1 | | 02/21/25 18:31 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0037 | U | 0.0015 | 0.0037 | 0.0046 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0023 | UQ | 0.0011 | 0.0023 | 0.0046 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0023 | UQ | 0.00071 | 0.0023 | 0.0046 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0037 | U | 0.00095 | 0.0037 | 0.0046 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0023 | UQ | 0.00094 | 0.0023 | 0.0046 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.012 | U | 0.0049 | 0.012 | 0.023 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0037 | U | 0.00084 | 0.0037 | 0.0046 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0023 | U | 0.00099 | 0.0023 | 0.0046 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0023 | U | 0.00072 | 0.0023 | 0.0046 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.012 | U | 0.0046 | 0.012 | 0.023 | mg/Kg |
| 67-64-1 | Acetone | 0.047 | | 0.0058 | 0.019 | 0.023 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0037 | U | 0.0012 | 0.0037 | 0.0046 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0023 | U | 0.00062 | 0.0023 | 0.0046 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0074 | U | 0.0032 | 0.0074 | 0.0093 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0023 | U | 0.00078 | 0.0023 | 0.0046 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0023 | U | 0.00058 | 0.0023 | 0.0046 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.019 | U | 0.0053 | 0.019 | 0.023 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0023 | U | 0.00081 | 0.0023 | 0.0046 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0037 | U | 0.0015 | 0.0037 | 0.0046 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0023 | U | 0.00056 | 0.0023 | 0.0046 | mg/Kg |
| 67-66-3 | Chloroform | 0.0037 | U | 0.00062 | 0.0037 | 0.0046 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0023 | U | 0.00072 | 0.0023 | 0.0046 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0023 | U | 0.00068 | 0.0023 | 0.0046 | mg/Kg |
| 71-43-2 | Benzene | 0.0023 | U | 0.00067 | 0.0023 | 0.0046 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0023 | U | 0.00056 | 0.0023 | 0.0046 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0023 | U | 0.00069 | 0.0023 | 0.0046 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0023 | U | 0.00061 | 0.0023 | 0.0046 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0023 | U | 0.00052 | 0.0023 | 0.0046 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.012 | U | 0.0040 | 0.012 | 0.023 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-08-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-15 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.6 |
| Sample Wt/Vol: | 5.83 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021294.D | 1 | | 02/21/25 18:31 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0023 | U | 0.00062 | 0.0023 | 0.0046 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0023 | U | 0.00056 | 0.0023 | 0.0046 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0023 | U | 0.00053 | 0.0023 | 0.0046 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0023 | U | 0.00078 | 0.0023 | 0.0046 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0023 | U | 0.00055 | 0.0023 | 0.0046 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.012 | U | 0.0044 | 0.012 | 0.023 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0023 | U | 0.00060 | 0.0023 | 0.0046 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0023 | U | 0.00073 | 0.0023 | 0.0046 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0023 | U | 0.00082 | 0.0023 | 0.0046 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0023 | U | 0.00069 | 0.0023 | 0.0046 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0023 | U | 0.00059 | 0.0023 | 0.0046 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0046 | U | 0.0013 | 0.0046 | 0.0093 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0069 | U | 0.0020 | 0.0069 | 0.014 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0023 | U | 0.00065 | 0.0023 | 0.0046 | mg/Kg |
| 100-42-5 | Styrene | 0.0023 | U | 0.00056 | 0.0023 | 0.0046 | mg/Kg |
| 75-25-2 | Bromoform | 0.0023 | U | 0.00075 | 0.0023 | 0.0046 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0023 | U | 0.00062 | 0.0023 | 0.0046 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0023 | U | 0.0010 | 0.0023 | 0.0046 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0037 | U | 0.0011 | 0.0037 | 0.0046 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0023 | U | 0.00060 | 0.0023 | 0.0046 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0023 | U | 0.00059 | 0.0023 | 0.0046 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0023 | U | 0.00057 | 0.0023 | 0.0046 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0023 | U | 0.00059 | 0.0023 | 0.0046 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0023 | U | 0.00055 | 0.0023 | 0.0046 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0023 | U | 0.00062 | 0.0023 | 0.0046 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0023 | U | 0.0013 | 0.0023 | 0.0046 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0023 | U | 0.00062 | 0.0023 | 0.0046 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0023 | U | 0.00054 | 0.0023 | 0.0046 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0023 | U | 0.00069 | 0.0023 | 0.0046 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0023 | U | 0.00074 | 0.0023 | 0.0046 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-08-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-15 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.6 |
| Sample Wt/Vol: | 5.83 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021294.D | 1 | | 02/21/25 18:31 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0023 | U | 0.00058 | 0.0023 | 0.0046 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0023 | U | 0.00055 | 0.0023 | 0.0046 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0037 | U | 0.0014 | 0.0037 | 0.0046 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0023 | U | 0.00073 | 0.0023 | 0.0046 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0023 | U | 0.00075 | 0.0023 | 0.0046 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0023 | U | 0.00072 | 0.0023 | 0.0046 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0023 | U | 0.00074 | 0.0023 | 0.0046 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 56.1 | | 71 - 136 | | 112% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.6 | | 78 - 119 | | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.6 | | 85 - 116 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.2 | | 79 - 119 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 162000 | 7.713 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 319000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 297000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 119000 | 13.353 | | | | |

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_Y\Data\VY022125\
Data File : VY021294.D
Acq On : 21 Feb 2025 18:31
Operator : SY/MD
Sample : Q1382-15
Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-08-021725

Quant Time: Feb 21 23:10:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

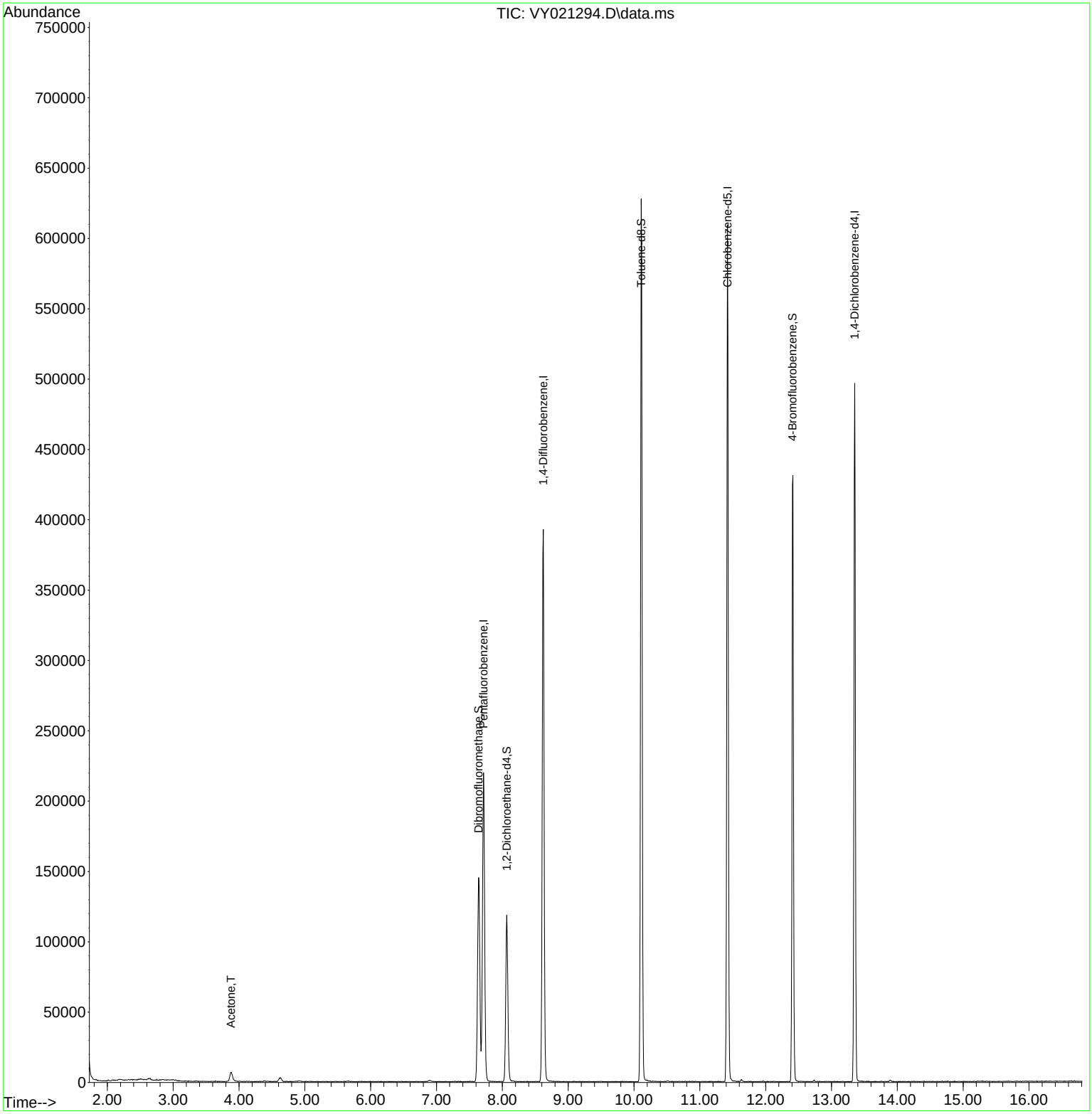
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 161604 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 318713 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 297417 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 119366 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 92947 | 56.135 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 112.280% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 101408 | 49.648 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 99.300% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 393214 | 50.567 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 101.140% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 122440 | 48.197 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 96.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 3.879 | 43 | 13125 | 50.830 | ug/l | 98 |

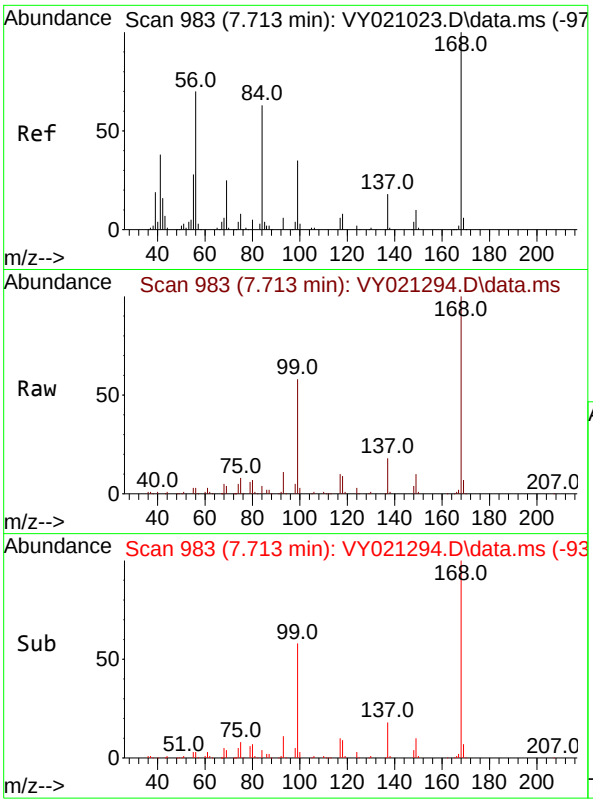
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021294.D
Acq On : 21 Feb 2025 18:31
Operator : SY/MD
Sample : Q1382-15
Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-08-021725

Quant Time: Feb 21 23:10:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



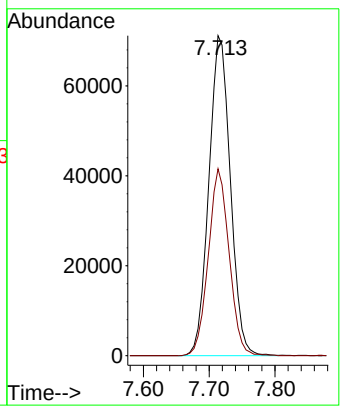


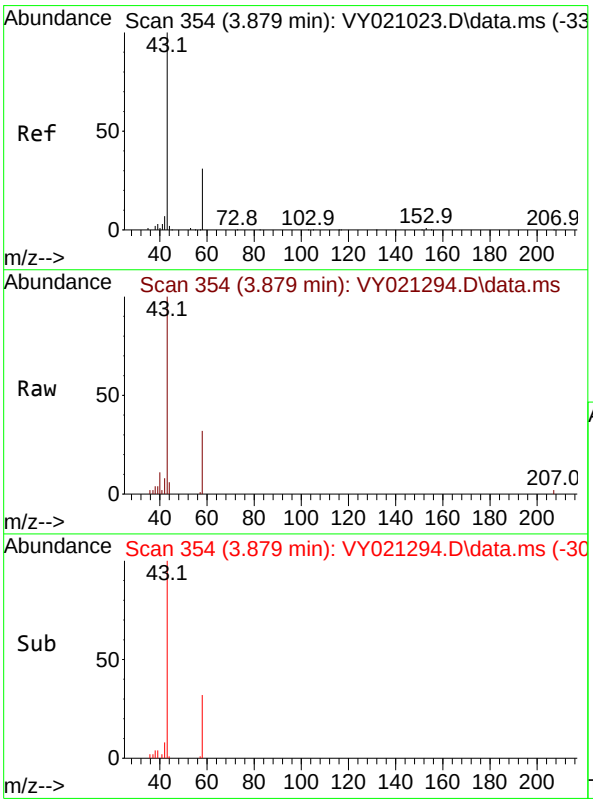

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-08-021725

Tgt Ion:168 Resp: 161604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.4 | 44.2 | 66.4 |

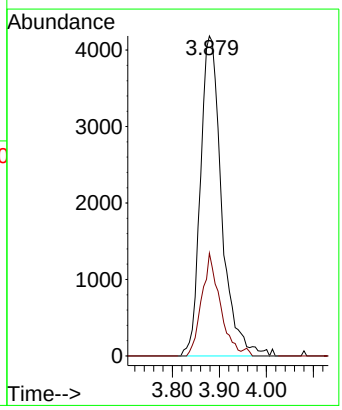


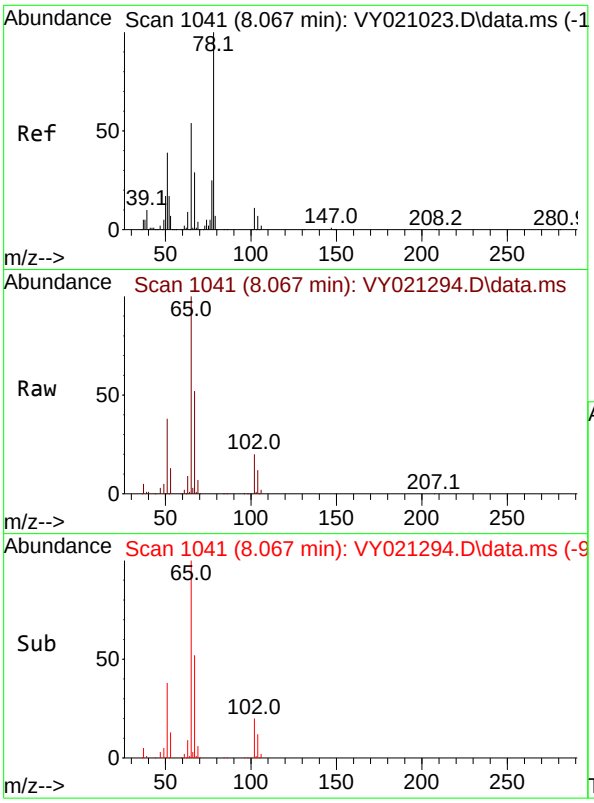




#16
Acetone
Concen: 50.830 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

Tgt Ion: 43 Resp: 13125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 26.6 | 39.8 |



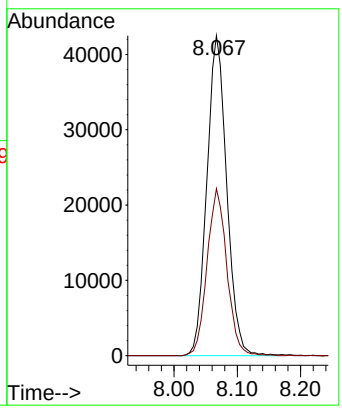


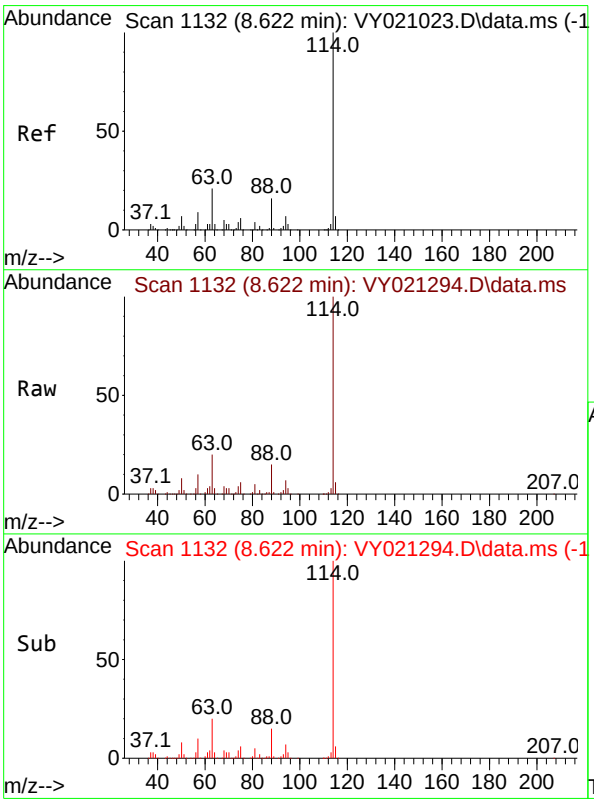

#33
1,2-Dichloroethane-d4
Concen: 56.135 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-08-021725

Tgt Ion: 65 Resp: 92947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 109.0 |

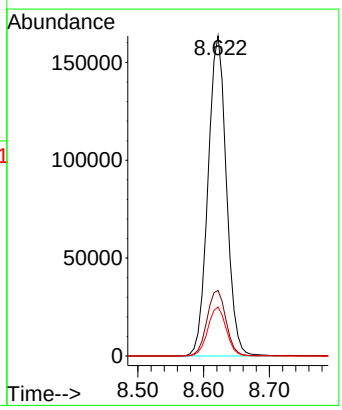


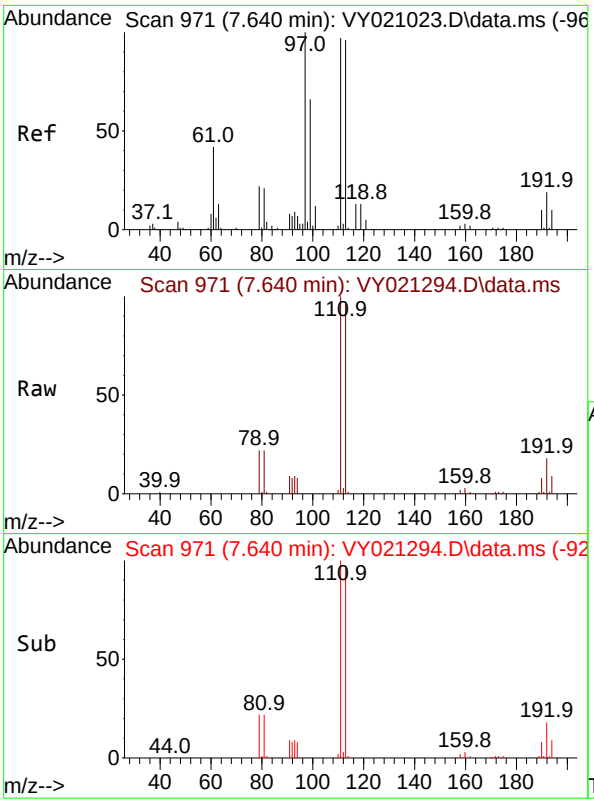




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

Tgt Ion:114 Resp: 318713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 37.4 |
| 88 | 15.3 | 0.0 | 29.0 |



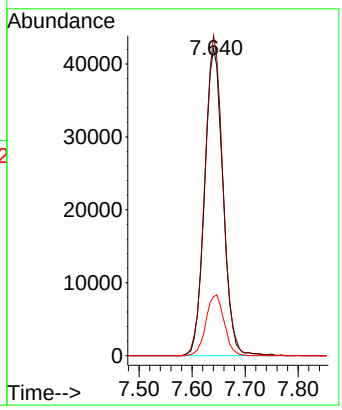


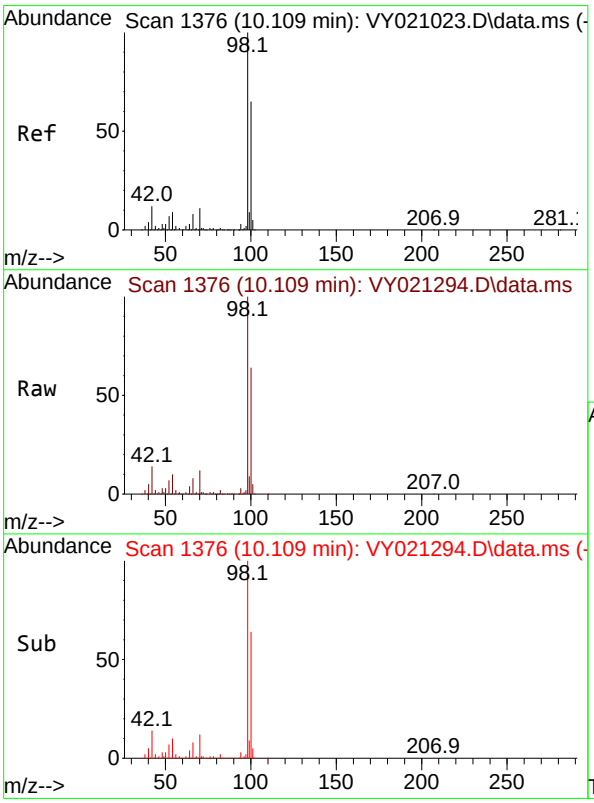

#35
Dibromofluoromethane
Concen: 49.648 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-08-021725

Tgt Ion:113 Resp: 101408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 83.8 | 125.6 |
| 192 | 19.6 | 14.5 | 21.7 |

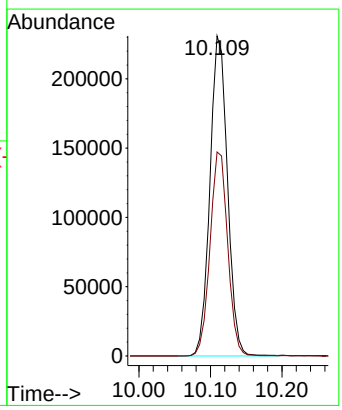


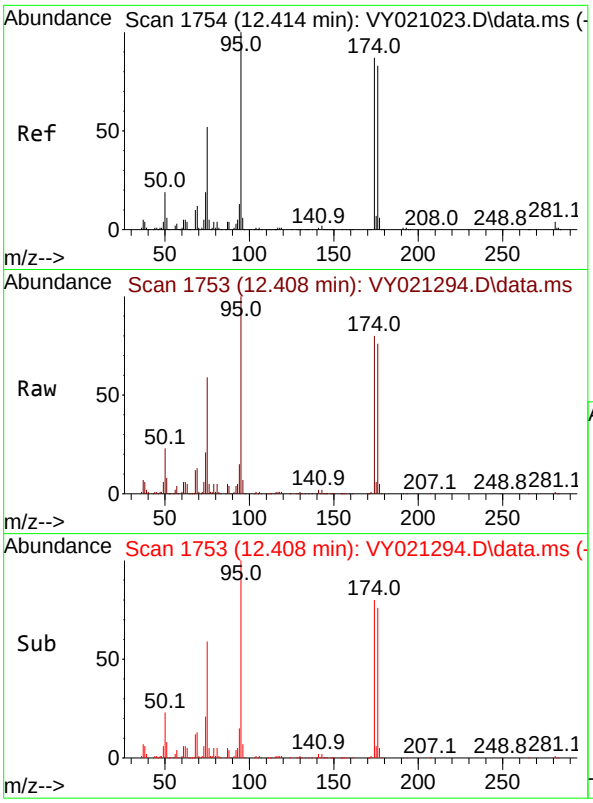




#50
Toluene-d8
Concen: 50.567 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

Tgt Ion: 98 Resp: 393214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.3 | 52.3 | 78.5 |



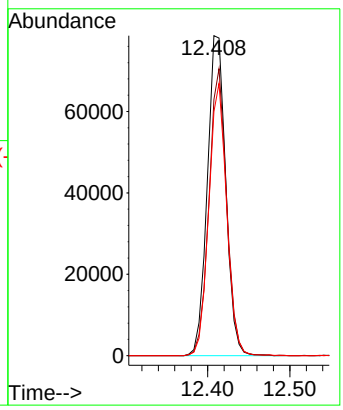


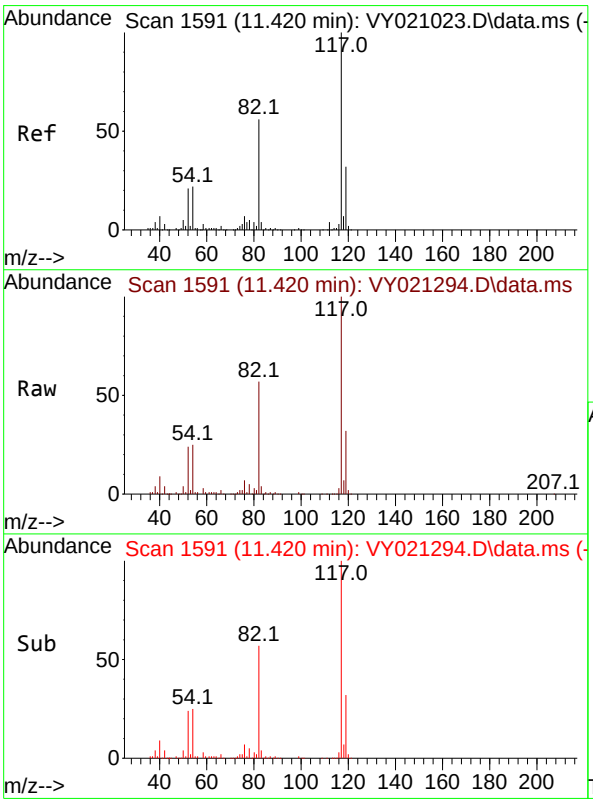

#62
4-Bromofluorobenzene
Concen: 48.197 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-08-021725

Tgt Ion: 95 Resp: 122440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.2 | 0.0 | 160.0 |
| 176 | 82.6 | 0.0 | 151.8 |

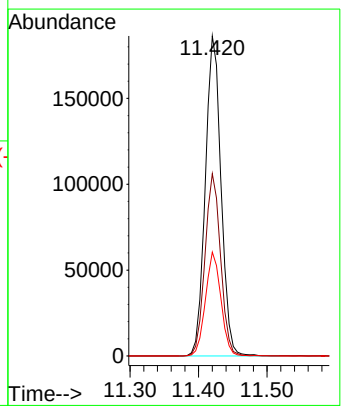


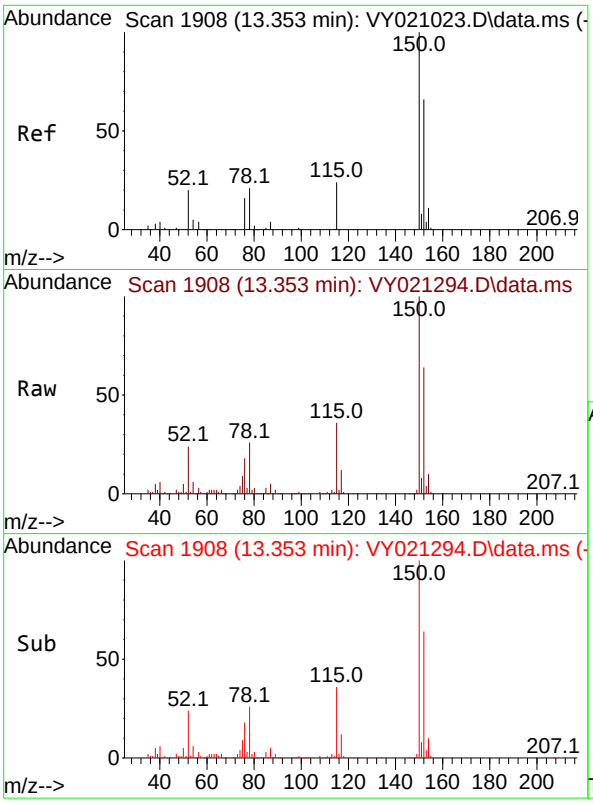




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

Tgt Ion:117 Resp: 297417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.9 | 43.8 | 65.8 |
| 119 | 32.4 | 26.5 | 39.7 |



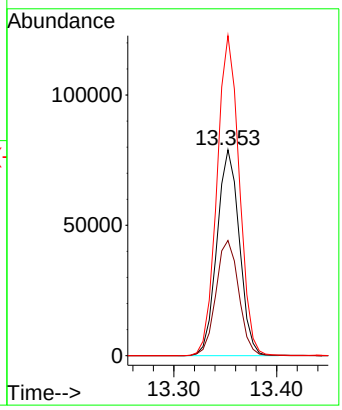



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-08-021725

Tgt Ion:152 Resp: 119366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.1 | 30.0 | 90.0 |
| 150 | 154.7 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-09-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-17 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.6 |
| Sample Wt/Vol: | 5.77 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021295.D | 1 | | 02/21/25 18:54 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0037 | U | 0.0015 | 0.0037 | 0.0047 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0023 | UQ | 0.0011 | 0.0023 | 0.0047 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0023 | UQ | 0.00072 | 0.0023 | 0.0047 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0037 | U | 0.00096 | 0.0037 | 0.0047 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0023 | UQ | 0.00095 | 0.0023 | 0.0047 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.012 | U | 0.0049 | 0.012 | 0.023 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0037 | U | 0.00085 | 0.0037 | 0.0047 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0023 | U | 0.0010 | 0.0023 | 0.0047 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0023 | U | 0.00073 | 0.0023 | 0.0047 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.012 | U | 0.0047 | 0.012 | 0.023 | mg/Kg |
| 67-64-1 | Acetone | 0.049 | | 0.0058 | 0.019 | 0.023 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0037 | U | 0.0012 | 0.0037 | 0.0047 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0023 | U | 0.00063 | 0.0023 | 0.0047 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0075 | U | 0.0032 | 0.0075 | 0.0094 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0023 | U | 0.00079 | 0.0023 | 0.0047 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0023 | U | 0.00059 | 0.0023 | 0.0047 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.019 | U | 0.0053 | 0.019 | 0.023 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0023 | U | 0.00081 | 0.0023 | 0.0047 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0037 | U | 0.0015 | 0.0037 | 0.0047 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0023 | U | 0.00057 | 0.0023 | 0.0047 | mg/Kg |
| 67-66-3 | Chloroform | 0.0037 | U | 0.00063 | 0.0037 | 0.0047 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0023 | U | 0.00073 | 0.0023 | 0.0047 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0023 | U | 0.00068 | 0.0023 | 0.0047 | mg/Kg |
| 71-43-2 | Benzene | 0.0023 | U | 0.00067 | 0.0023 | 0.0047 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0023 | U | 0.00057 | 0.0023 | 0.0047 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0023 | U | 0.00070 | 0.0023 | 0.0047 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0023 | U | 0.00062 | 0.0023 | 0.0047 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0023 | U | 0.00058 | 0.0023 | 0.0047 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0023 | U | 0.00052 | 0.0023 | 0.0047 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.012 | U | 0.0041 | 0.012 | 0.023 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-09-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-17 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.6 |
| Sample Wt/Vol: | 5.77 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021295.D | 1 | | 02/21/25 18:54 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0023 | U | 0.00063 | 0.0023 | 0.0047 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0023 | U | 0.00056 | 0.0023 | 0.0047 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0023 | U | 0.00053 | 0.0023 | 0.0047 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0023 | U | 0.00079 | 0.0023 | 0.0047 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0023 | U | 0.00055 | 0.0023 | 0.0047 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.012 | U | 0.0045 | 0.012 | 0.023 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0023 | U | 0.00061 | 0.0023 | 0.0047 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0023 | U | 0.00074 | 0.0023 | 0.0047 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0023 | U | 0.00083 | 0.0023 | 0.0047 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0023 | U | 0.00069 | 0.0023 | 0.0047 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0023 | U | 0.00060 | 0.0023 | 0.0047 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0023 | U | 0.00058 | 0.0023 | 0.0047 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0047 | U | 0.0013 | 0.0047 | 0.0094 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0070 | U | 0.0020 | 0.0070 | 0.014 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0023 | U | 0.00066 | 0.0023 | 0.0047 | mg/Kg |
| 100-42-5 | Styrene | 0.0023 | U | 0.00056 | 0.0023 | 0.0047 | mg/Kg |
| 75-25-2 | Bromoform | 0.0023 | U | 0.00076 | 0.0023 | 0.0047 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0023 | U | 0.00063 | 0.0023 | 0.0047 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0023 | U | 0.0010 | 0.0023 | 0.0047 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0037 | U | 0.0011 | 0.0037 | 0.0047 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0023 | U | 0.00061 | 0.0023 | 0.0047 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0023 | U | 0.00060 | 0.0023 | 0.0047 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0023 | U | 0.00058 | 0.0023 | 0.0047 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0023 | U | 0.00060 | 0.0023 | 0.0047 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0023 | U | 0.00055 | 0.0023 | 0.0047 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0023 | U | 0.00063 | 0.0023 | 0.0047 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0023 | U | 0.0013 | 0.0023 | 0.0047 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0023 | U | 0.00063 | 0.0023 | 0.0047 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0023 | U | 0.00054 | 0.0023 | 0.0047 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0023 | U | 0.00069 | 0.0023 | 0.0047 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0023 | U | 0.00075 | 0.0023 | 0.0047 | mg/Kg |

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-09-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-17 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 92.6 |
| Sample Wt/Vol: | 5.77 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021295.D | 1 | | 02/21/25 18:54 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0023 | U | 0.00059 | 0.0023 | 0.0047 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0023 | U | 0.00055 | 0.0023 | 0.0047 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0037 | U | 0.0015 | 0.0037 | 0.0047 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0023 | U | 0.00074 | 0.0023 | 0.0047 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0023 | U | 0.00076 | 0.0023 | 0.0047 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0023 | U | 0.00073 | 0.0023 | 0.0047 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0023 | U | 0.00075 | 0.0023 | 0.0047 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 61.6 | | 71 - 136 | | 123% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.9 | | 78 - 119 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.2 | | 85 - 116 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.1 | | 79 - 119 | | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 166000 | 7.713 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 325000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 311000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 125000 | 13.353 | | | | |

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_Y\Data\VY022125\
Data File : VY021295.D
Acq On : 21 Feb 2025 18:54
Operator : SY/MD
Sample : Q1382-17
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-09-021725

Quant Time: Feb 21 23:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

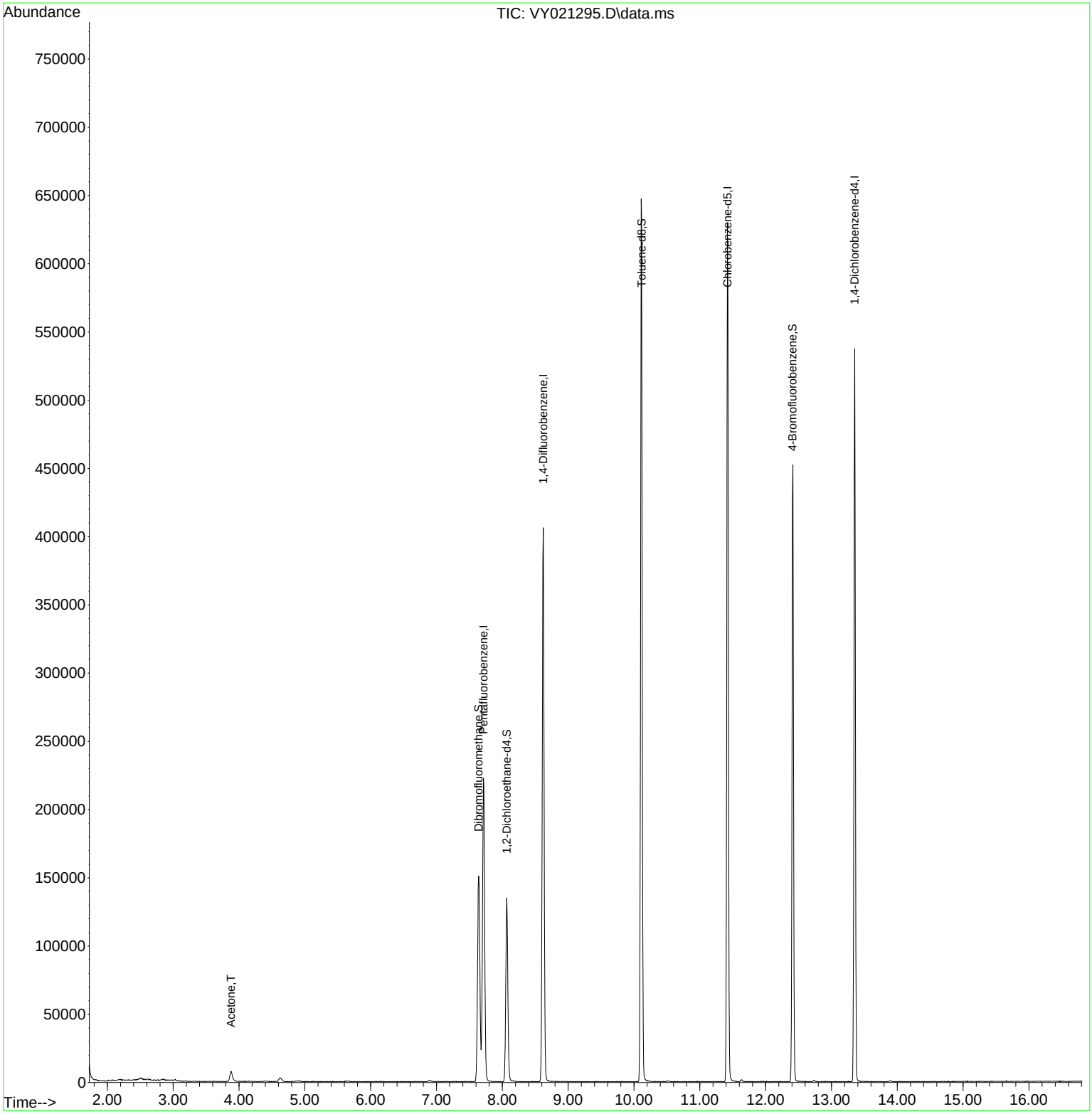
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 166279 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 325364 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 310511 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 124714 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 104908 | 61.578 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 123.160% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 106148 | 50.907 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 101.820% | | | |
| 50) Toluene-d8 | 10.115 | 98 | 406614 | 51.222 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 102.440% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 129983 | 50.121 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 100.240% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 3.879 | 43 | 13970 | 52.582 | ug/l # | 88 |

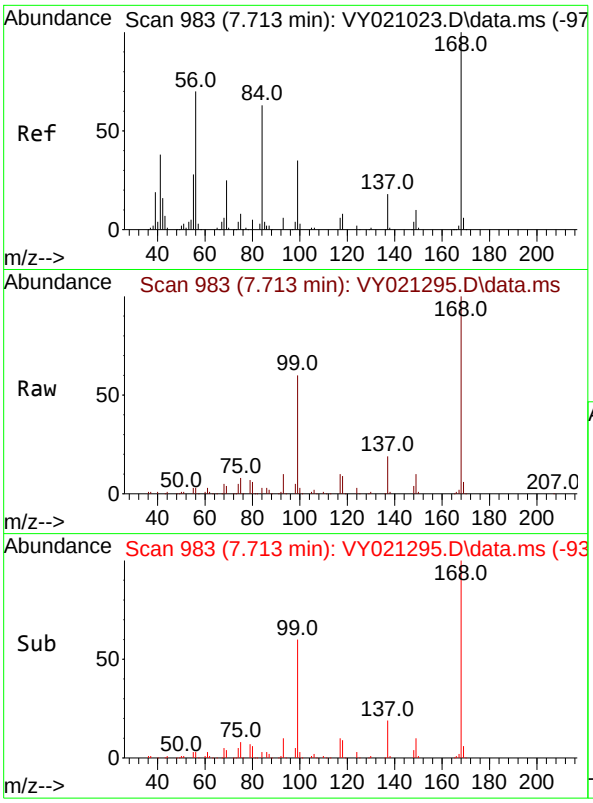
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021295.D
Acq On : 21 Feb 2025 18:54
Operator : SY/MD
Sample : Q1382-17
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-09-021725

Quant Time: Feb 21 23:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



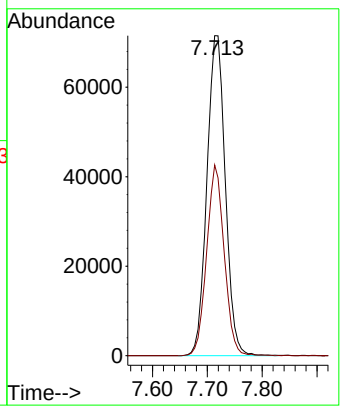


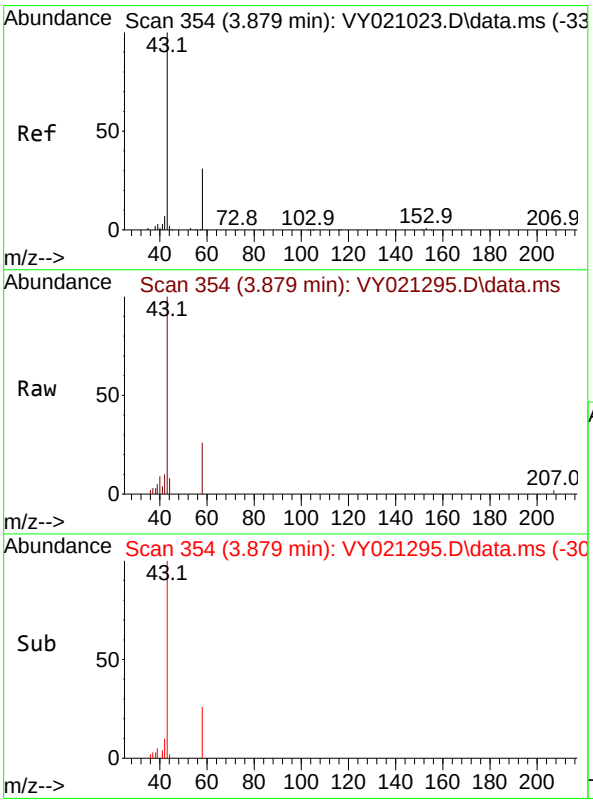

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021295.D
Acq: 21 Feb 2025 18:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-09-021725

Tgt Ion:168 Resp: 166279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.6 | 44.2 | 66.4 |

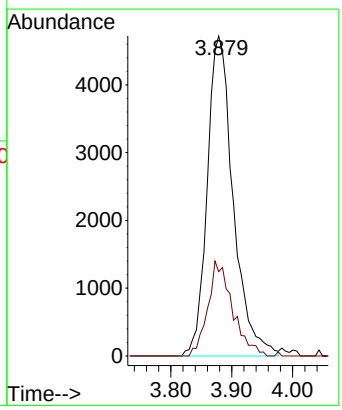


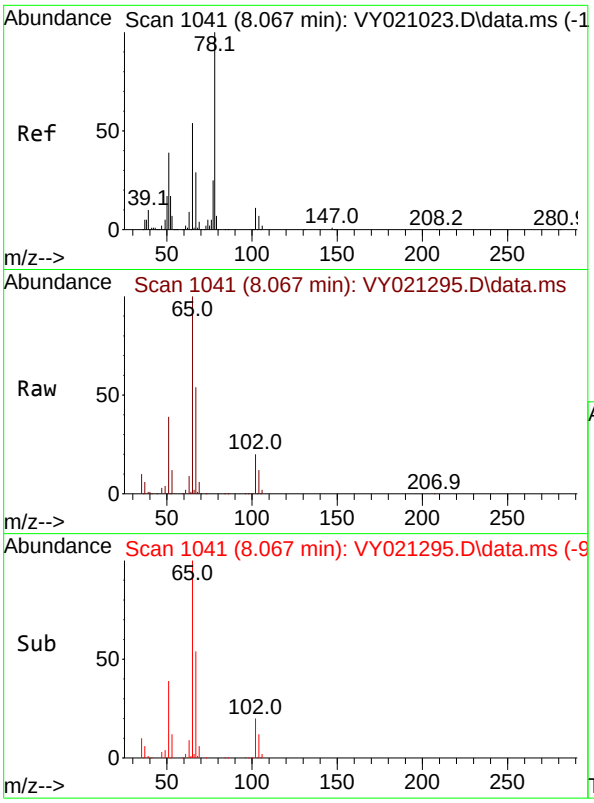




#16
Acetone
Concen: 52.582 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021295.D
Acq: 21 Feb 2025 18:54

Tgt Ion: 43 Resp: 13970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.3 | 26.6 | 39.8# |



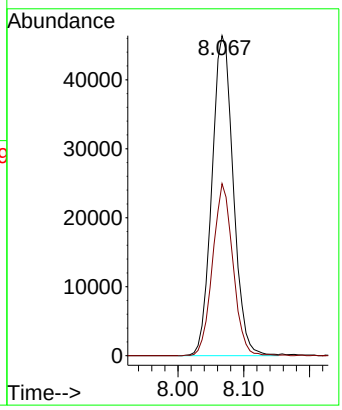


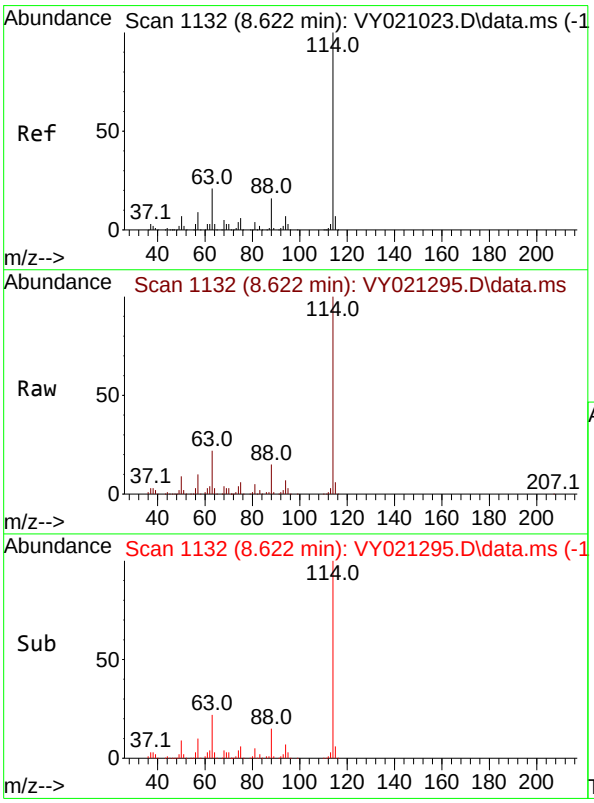

#33
1,2-Dichloroethane-d4
Concen: 61.578 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021295.D
Acq: 21 Feb 2025 18:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-09-021725

Tgt Ion: 65 Resp: 104908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 109.0 |

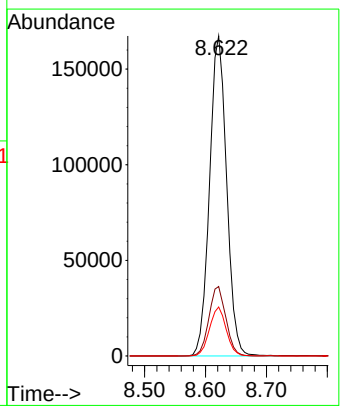


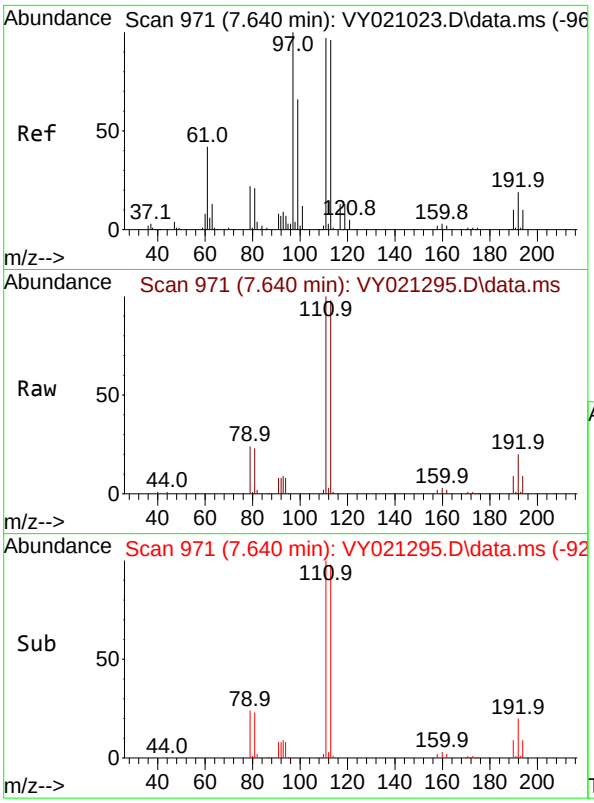




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021295.D
Acq: 21 Feb 2025 18:54

Tgt Ion:114 Resp: 325364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.7 | 0.0 | 37.4 |
| 88 | 15.3 | 0.0 | 29.0 |



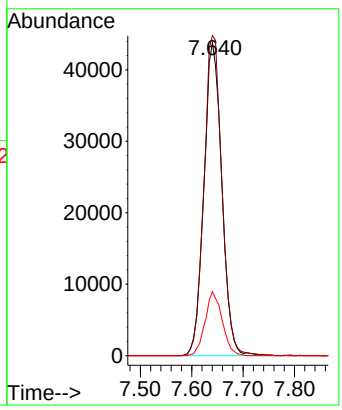


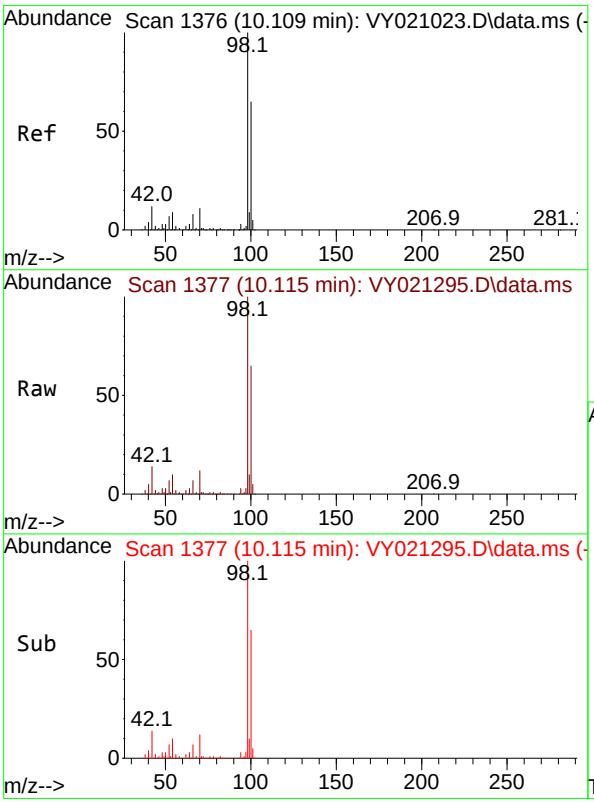

#35
Dibromofluoromethane
Concen: 50.907 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021295.D
Acq: 21 Feb 2025 18:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-09-021725

Tgt Ion:113 Resp: 106148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 83.8 | 125.6 |
| 192 | 19.6 | 14.5 | 21.7 |

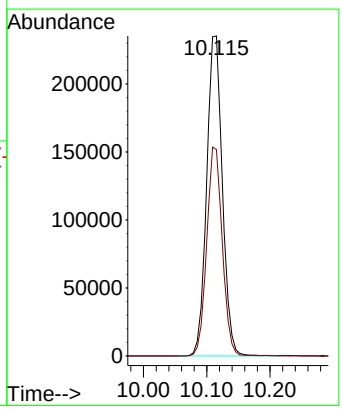


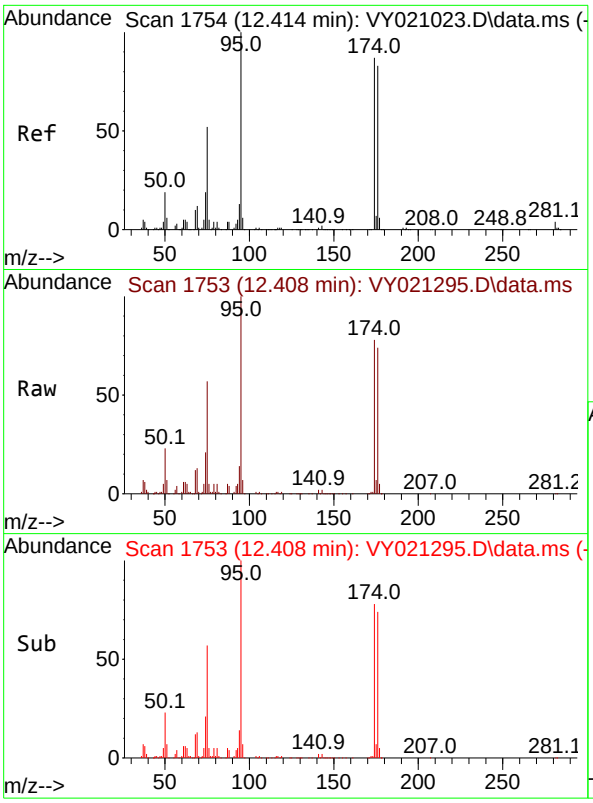




#50
Toluene-d8
Concen: 51.222 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021295.D
Acq: 21 Feb 2025 18:54

Tgt Ion: 98 Resp: 406614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 52.3 | 78.5 |



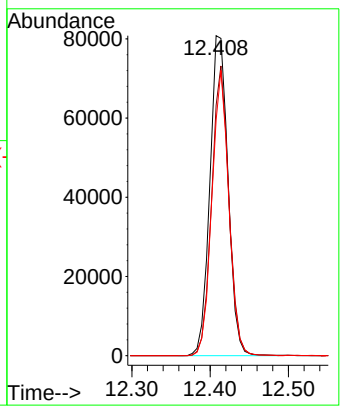


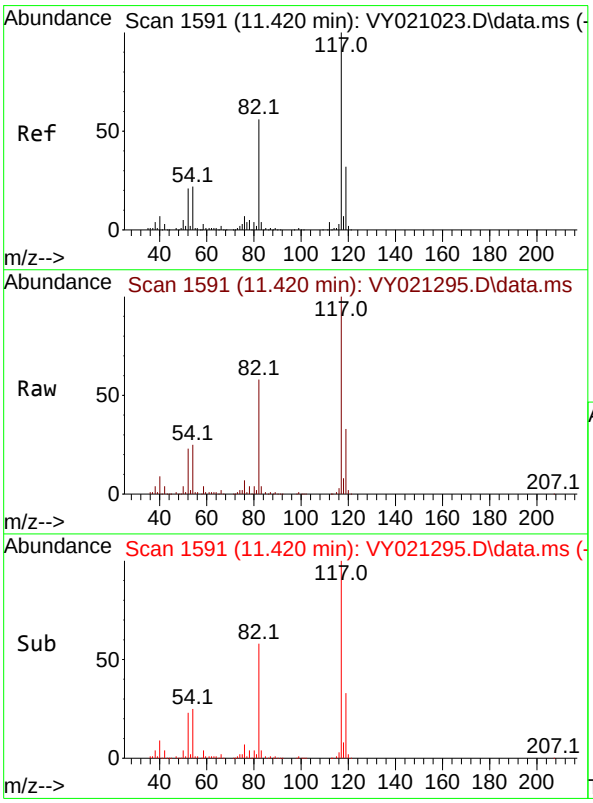

#62
4-Bromofluorobenzene
Concen: 50.121 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021295.D
Acq: 21 Feb 2025 18:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-09-021725

Tgt Ion: 95 Resp: 129983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.0 | 0.0 | 160.0 |
| 176 | 83.1 | 0.0 | 151.8 |

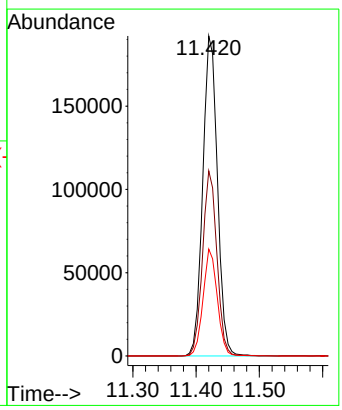


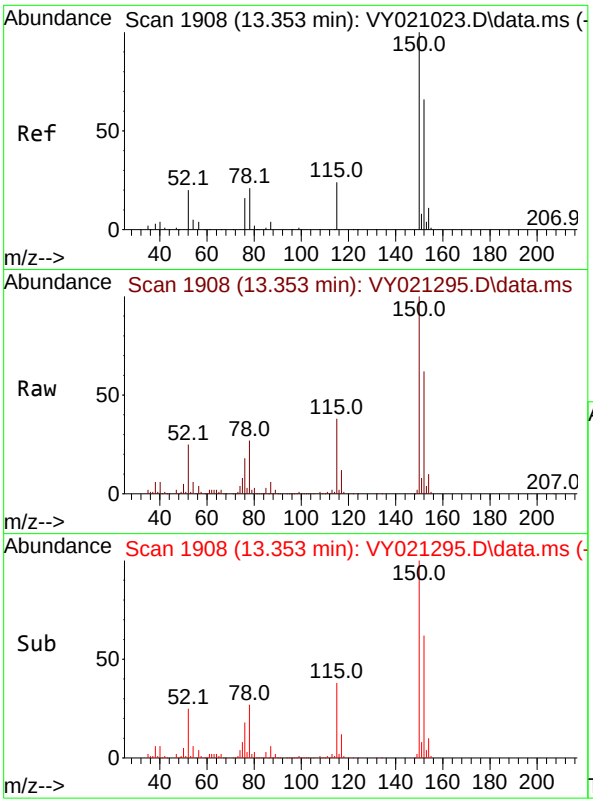




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021295.D
Acq: 21 Feb 2025 18:54

Tgt Ion:117 Resp: 310511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.9 | 43.8 | 65.8 |
| 119 | 33.4 | 26.5 | 39.7 |



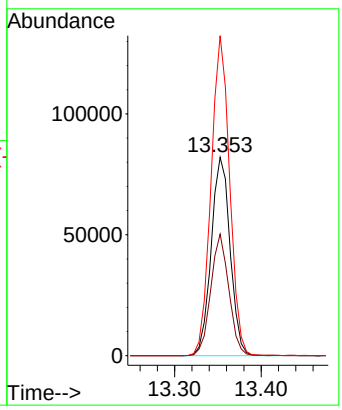



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021295.D
Acq: 21 Feb 2025 18:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-09-021725

Tgt Ion:152 Resp: 124714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.4 | 30.0 | 90.0 |
| 150 | 158.0 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-10-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-19 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 93.4 |
| Sample Wt/Vol: | 5.95 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021331.D | 1 | | 02/26/25 15:04 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0036 | U | 0.0015 | 0.0036 | 0.0045 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0022 | U | 0.0010 | 0.0022 | 0.0045 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0022 | U | 0.00069 | 0.0022 | 0.0045 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0036 | U | 0.00093 | 0.0036 | 0.0045 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0022 | U | 0.00091 | 0.0022 | 0.0045 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.011 | U | 0.0047 | 0.011 | 0.023 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0036 | U | 0.00082 | 0.0036 | 0.0045 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0022 | U | 0.00096 | 0.0022 | 0.0045 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0022 | U | 0.00070 | 0.0022 | 0.0045 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.011 | U | 0.0045 | 0.011 | 0.023 | mg/Kg |
| 67-64-1 | Acetone | 0.025 | | 0.0056 | 0.018 | 0.023 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0036 | U | 0.0012 | 0.0036 | 0.0045 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0022 | U | 0.00060 | 0.0022 | 0.0045 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0072 | U | 0.0031 | 0.0072 | 0.0090 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0022 | U | 0.00076 | 0.0022 | 0.0045 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0022 | U | 0.00057 | 0.0022 | 0.0045 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.018 | U | 0.0051 | 0.018 | 0.023 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0022 | U | 0.00078 | 0.0022 | 0.0045 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0036 | U | 0.0014 | 0.0036 | 0.0045 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0022 | U | 0.00055 | 0.0022 | 0.0045 | mg/Kg |
| 67-66-3 | Chloroform | 0.0036 | U | 0.00060 | 0.0036 | 0.0045 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0022 | U | 0.00070 | 0.0022 | 0.0045 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0022 | U | 0.00066 | 0.0022 | 0.0045 | mg/Kg |
| 71-43-2 | Benzene | 0.0022 | U | 0.00065 | 0.0022 | 0.0045 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0022 | U | 0.00055 | 0.0022 | 0.0045 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0022 | U | 0.00067 | 0.0022 | 0.0045 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0022 | U | 0.00059 | 0.0022 | 0.0045 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0022 | U | 0.00056 | 0.0022 | 0.0045 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0022 | U | 0.00050 | 0.0022 | 0.0045 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.011 | U | 0.0039 | 0.011 | 0.023 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-10-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-19 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 93.4 |
| Sample Wt/Vol: | 5.95 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021331.D | 1 | | 02/26/25 15:04 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0022 | U | 0.00060 | 0.0022 | 0.0045 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0022 | U | 0.00054 | 0.0022 | 0.0045 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0022 | U | 0.00051 | 0.0022 | 0.0045 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0022 | U | 0.00076 | 0.0022 | 0.0045 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0022 | U | 0.00053 | 0.0022 | 0.0045 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.011 | U | 0.0043 | 0.011 | 0.023 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0022 | U | 0.00058 | 0.0022 | 0.0045 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0022 | U | 0.00071 | 0.0022 | 0.0045 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0022 | U | 0.00080 | 0.0022 | 0.0045 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0022 | U | 0.00067 | 0.0022 | 0.0045 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0022 | U | 0.00058 | 0.0022 | 0.0045 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0022 | U | 0.00056 | 0.0022 | 0.0045 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0045 | U | 0.0012 | 0.0045 | 0.0090 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0067 | U | 0.0018 | 0.0067 | 0.014 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0022 | U | 0.00063 | 0.0022 | 0.0045 | mg/Kg |
| 100-42-5 | Styrene | 0.0022 | U | 0.00054 | 0.0022 | 0.0045 | mg/Kg |
| 75-25-2 | Bromoform | 0.0022 | U | 0.00073 | 0.0022 | 0.0045 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0022 | U | 0.00060 | 0.0022 | 0.0045 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0022 | U | 0.00099 | 0.0022 | 0.0045 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0036 | U | 0.0011 | 0.0036 | 0.0045 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0022 | U | 0.00058 | 0.0022 | 0.0045 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0022 | U | 0.00058 | 0.0022 | 0.0045 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0022 | U | 0.00056 | 0.0022 | 0.0045 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0022 | U | 0.00058 | 0.0022 | 0.0045 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0022 | U | 0.00053 | 0.0022 | 0.0045 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0022 | U | 0.00060 | 0.0022 | 0.0045 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0022 | U | 0.0012 | 0.0022 | 0.0045 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0022 | U | 0.00060 | 0.0022 | 0.0045 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0022 | U | 0.00052 | 0.0022 | 0.0045 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0022 | U | 0.00067 | 0.0022 | 0.0045 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0022 | U | 0.00072 | 0.0022 | 0.0045 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 02/17/25 |
| Project: | Raymark Superfund Site | Date Received: | 02/18/25 |
| Client Sample ID: | OU4-PCS-TC-10-021725 | SDG No.: | Q1382 |
| Lab Sample ID: | Q1382-19 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 93.4 |
| Sample Wt/Vol: | 5.95 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021331.D | 1 | | 02/26/25 15:04 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0022 | U | 0.00057 | 0.0022 | 0.0045 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0022 | U | 0.00053 | 0.0022 | 0.0045 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0036 | U | 0.0014 | 0.0036 | 0.0045 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0022 | U | 0.00071 | 0.0022 | 0.0045 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0022 | U | 0.00073 | 0.0022 | 0.0045 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0022 | U | 0.00070 | 0.0022 | 0.0045 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0022 | U | 0.00072 | 0.0022 | 0.0045 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 53.6 | | 71 - 136 | | 107% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.0 | | 78 - 119 | | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.4 | | 85 - 116 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.1 | | 79 - 119 | | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 238000 | 7.707 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 473000 | 8.615 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 472000 | 11.413 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 208000 | 13.346 | | | | |

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_Y\Data\VY022625\
Data File : VY021331.D
Acq On : 26 Feb 2025 15:04
Operator : SY/MD
Sample : Q1382-19
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-10-021725

Quant Time: Feb 27 00:38:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

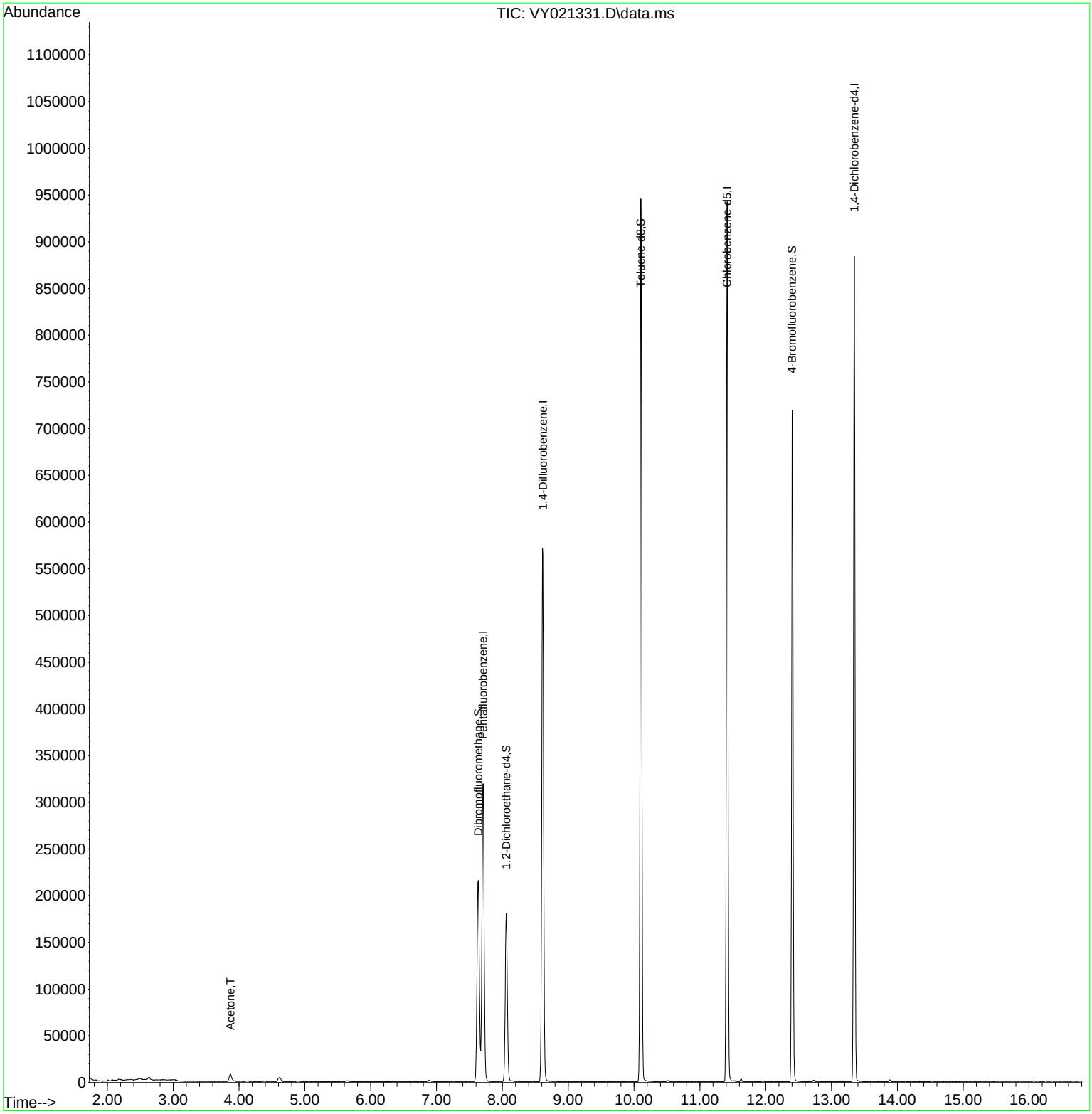
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 237861 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.615 | 114 | 473473 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.413 | 117 | 472235 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 207899 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.060 | 65 | 144499 | 53.551 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 107.100% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 155360 | 50.049 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 100.100% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 592844 | 49.418 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 98.840% | | | |
| 62) 4-Bromofluorobenzene | 12.401 | 95 | 210287 | 52.085 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 104.160% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 3.872 | 43 | 14420 | 27.859 | ug/l | 98 |

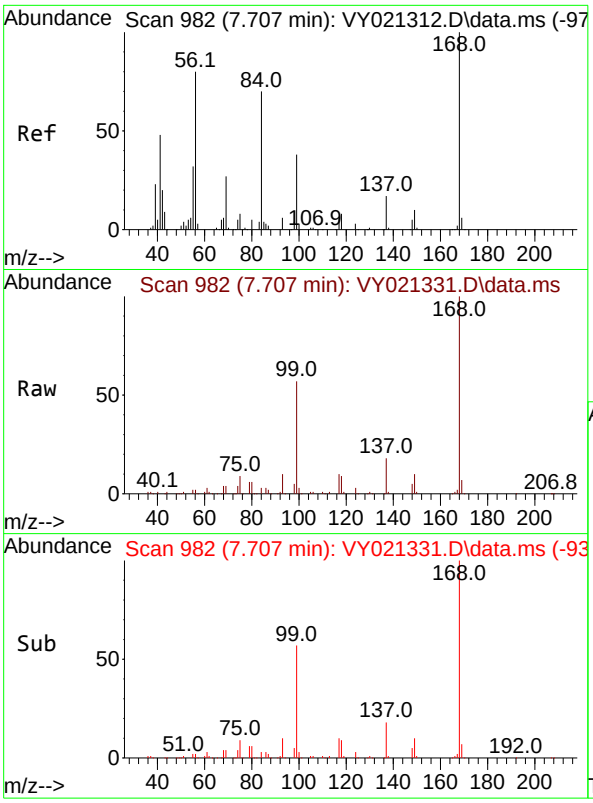
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021331.D
Acq On : 26 Feb 2025 15:04
Operator : SY/MD
Sample : Q1382-19
Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-10-021725

Quant Time: Feb 27 00:38:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



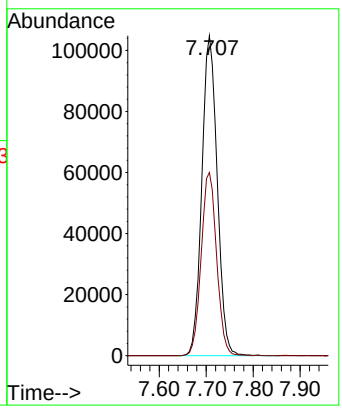


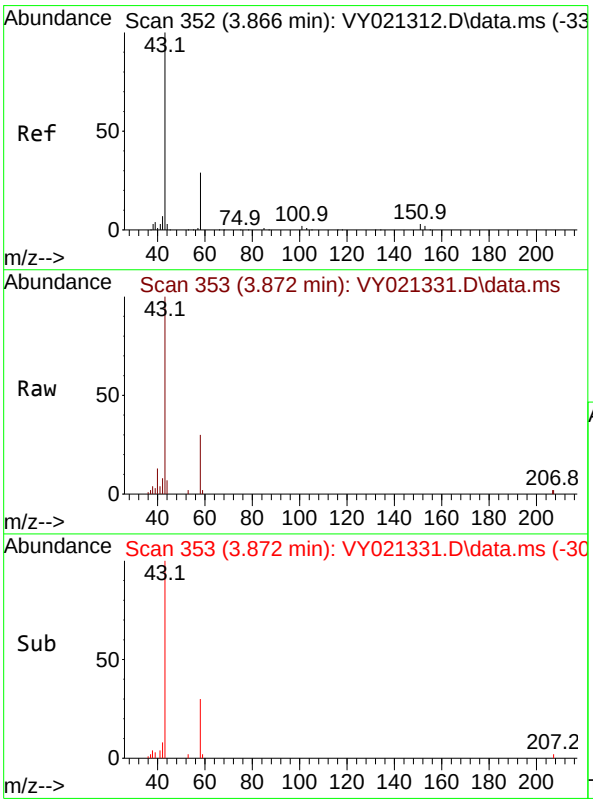

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021331.D
Acq: 26 Feb 2025 15:04

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-10-021725

Tgt Ion:168 Resp: 237861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.3 | 47.1 | 70.7 |

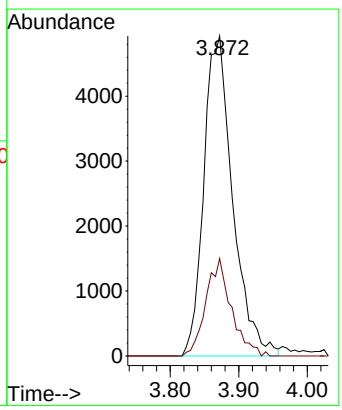


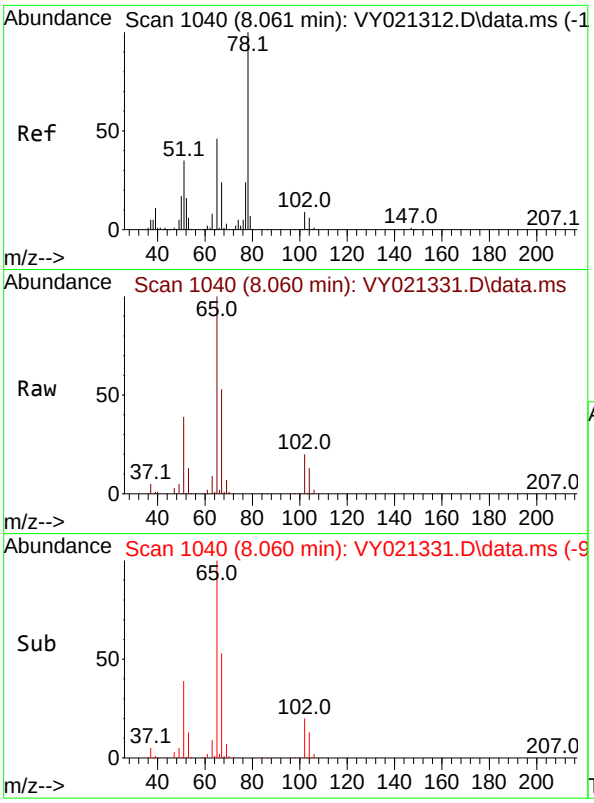




#16
Acetone
Concen: 27.859 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021331.D
Acq: 26 Feb 2025 15:04

Tgt Ion: 43 Resp: 14420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.4 | 23.5 | 35.3 |



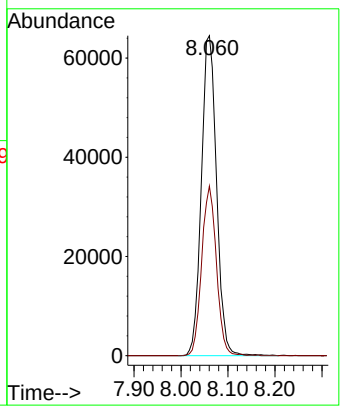


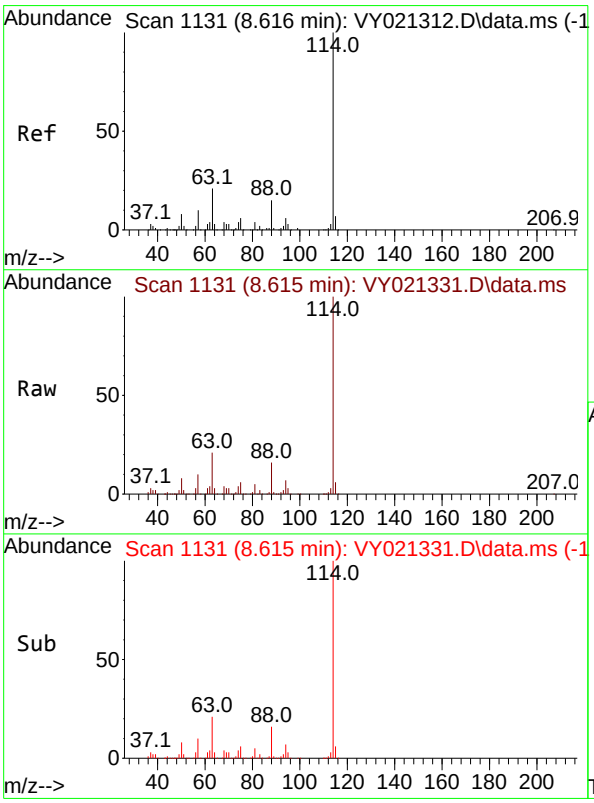

#33
1,2-Dichloroethane-d4
Concen: 53.551 ug/l
RT: 8.060 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021331.D
Acq: 26 Feb 2025 15:04

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-10-021725

Tgt Ion: 65 Resp: 144499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 103.6 |

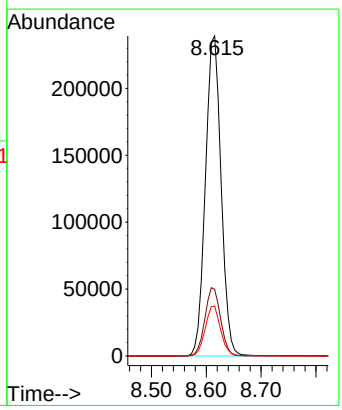


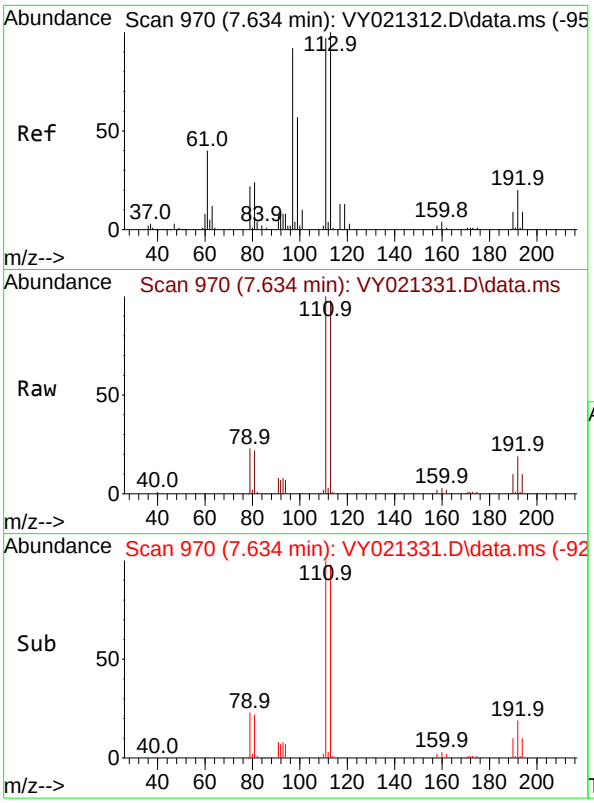




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021331.D
Acq: 26 Feb 2025 15:04

Tgt Ion:114 Resp: 473473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 42.2 |
| 88 | 15.5 | 0.0 | 29.8 |



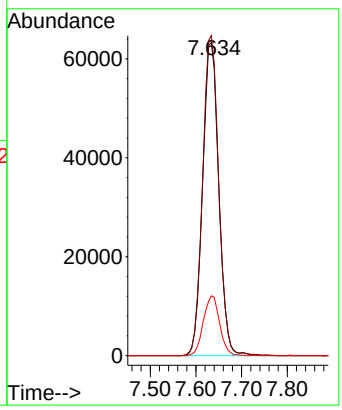


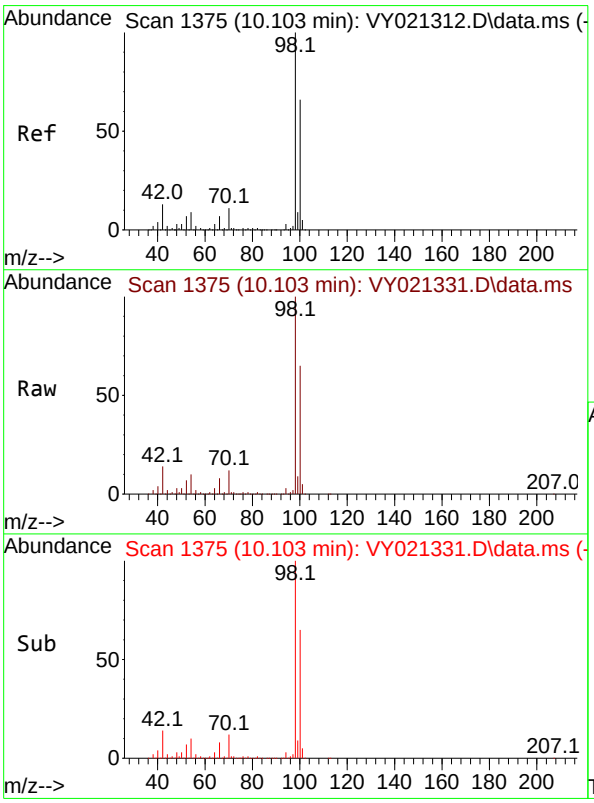

#35
Dibromofluoromethane
Concen: 50.049 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021331.D
Acq: 26 Feb 2025 15:04

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-10-021725

Tgt Ion:113 Resp: 155360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 81.0 | 121.6 |
| 192 | 19.2 | 15.8 | 23.8 |

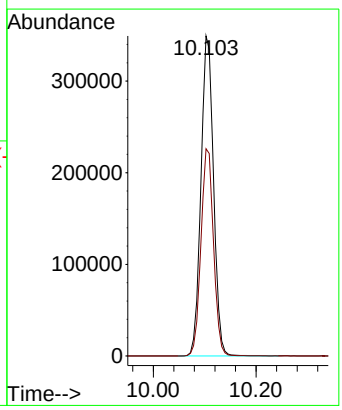


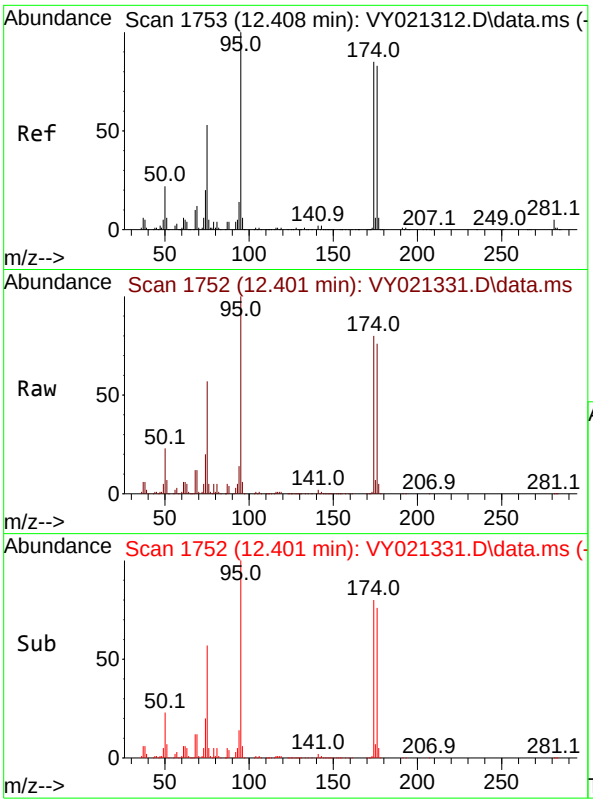




#50
Toluene-d8
Concen: 49.418 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021331.D
Acq: 26 Feb 2025 15:04

Tgt Ion: 98 Resp: 592844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 52.4 | 78.6 |



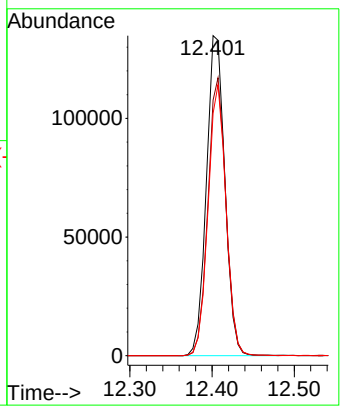


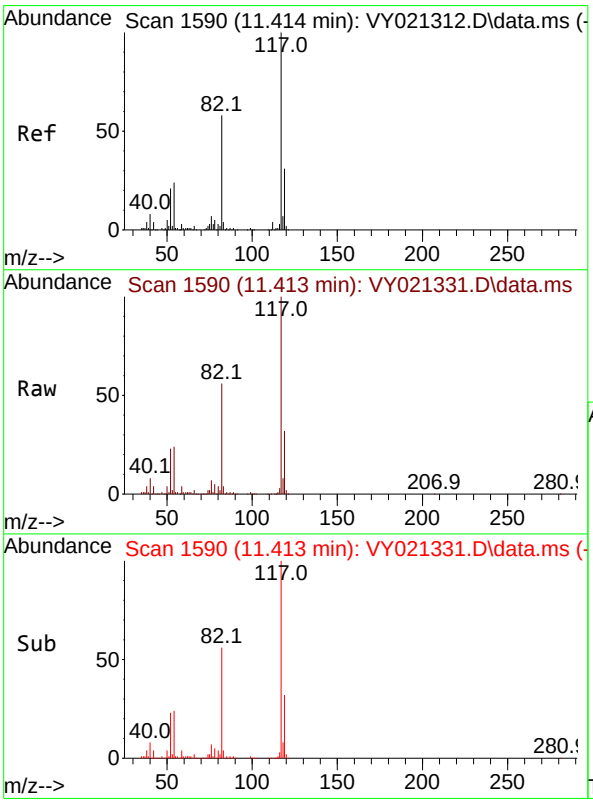

#62
4-Bromofluorobenzene
Concen: 52.085 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021331.D
Acq: 26 Feb 2025 15:04

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-10-021725

Tgt Ion: 95 Resp: 210287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.0 | 0.0 | 168.0 |
| 176 | 82.2 | 0.0 | 162.6 |

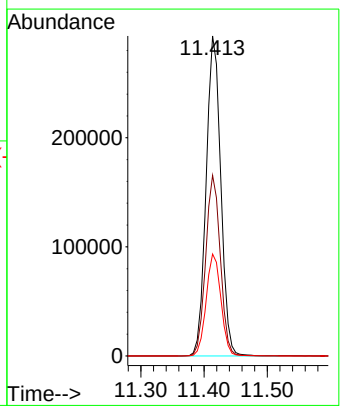


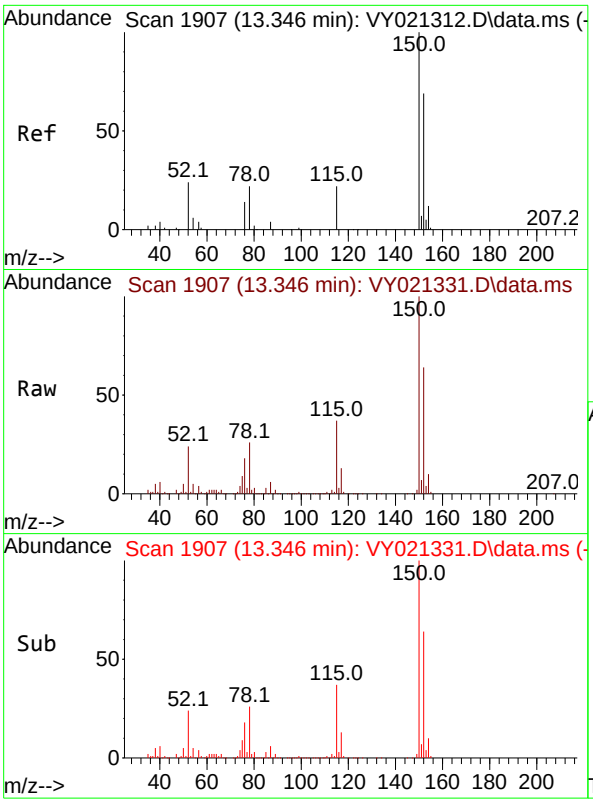




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021331.D
Acq: 26 Feb 2025 15:04

Tgt Ion:117 Resp: 472235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.5 | 46.2 | 69.4 |
| 119 | 31.8 | 24.9 | 37.3 |



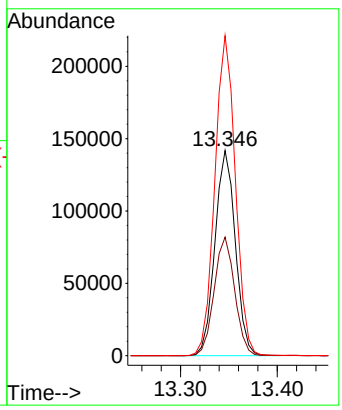



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021331.D
Acq: 26 Feb 2025 15:04

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-10-021725

Tgt Ion:152 Resp: 207899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.3 | 29.3 | 88.0 |
| 150 | 157.0 | 0.0 | 347.4 |



# 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021020.D RRF010 = VY021021.D RRF020 = VY021022.D
RRF050 = VY021023.D RRF100 = VY021024.D RRF150 = VY021025.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.503 | 0.438 | 0.413 | 0.445 | 0.419 | 0.457 | 0.446 | 7.2 |
| Chloromethane | 0.524 | 0.445 | 0.408 | 0.421 | 0.404 | 0.437 | 0.440 | 10.1 |
| Vinyl Chloride | 0.535 | 0.441 | 0.404 | 0.424 | 0.408 | 0.443 | 0.443 | 10.9 |
| Bromomethane | 0.356 | 0.275 | 0.249 | 0.258 | 0.246 | 0.257 | 0.274 | 15.2 |
| Chloroethane | 0.316 | 0.270 | 0.240 | 0.255 | 0.239 | 0.261 | 0.263 | 10.7 |
| Tetrahydrofuran | 0.088 | 0.092 | 0.088 | 0.092 | 0.081 | 0.093 | 0.089 | 5.1 |
| Trichlorofluoromethane | 0.924 | 0.814 | 0.755 | 0.789 | 0.743 | 0.813 | 0.806 | 8 |
| 1,1,2-Trichlorotrifluoroethane | 0.587 | 0.507 | 0.472 | 0.494 | 0.466 | 0.510 | 0.506 | 8.6 |
| 1,1-Dichloroethene | 0.529 | 0.471 | 0.441 | 0.469 | 0.452 | 0.498 | 0.477 | 6.8 |
| Acrylonitrile | 0.109 | 0.105 | 0.105 | 0.106 | 0.095 | 0.109 | 0.105 | 5.1 |
| Acetone | 0.087 | 0.083 | 0.078 | 0.077 | 0.070 | 0.083 | 0.080 | 7.5 |
| Carbon Disulfide | 1.673 | 1.456 | 1.389 | 1.475 | 1.421 | 1.556 | 1.495 | 7 |
| Methyl tert-butyl Ether | 1.271 | 1.185 | 1.168 | 1.216 | 1.124 | 1.265 | 1.205 | 4.8 |
| Methylene Chloride | 0.570 | 0.506 | 0.473 | 0.485 | 0.452 | 0.494 | 0.497 | 8.2 |
| trans-1,2-Dichloroethene | 0.578 | 0.518 | 0.502 | 0.522 | 0.490 | 0.538 | 0.525 | 5.8 |
| 1,1-Dichloroethane | 1.104 | 0.948 | 0.923 | 0.947 | 0.911 | 0.989 | 0.970 | 7.3 |
| 2-Butanone | 0.134 | 0.133 | 0.126 | 0.135 | 0.121 | 0.139 | 0.131 | 5.2 |
| Carbon Tetrachloride | 0.604 | 0.551 | 0.522 | 0.547 | 0.522 | 0.581 | 0.555 | 5.9 |
| 2,2-Dichloropropane | 1.031 | 0.899 | 0.842 | 0.870 | 0.818 | 0.926 | 0.898 | 8.4 |
| cis-1,2-Dichloroethene | 0.662 | 0.584 | 0.577 | 0.599 | 0.575 | 0.626 | 0.604 | 5.7 |
| Chloroform | 1.107 | 1.016 | 0.947 | 0.982 | 0.921 | 1.006 | 0.997 | 6.5 |
| 1,1,1-Trichloroethane | 1.067 | 0.901 | 0.867 | 0.912 | 0.863 | 0.949 | 0.927 | 8.2 |
| 1,1-Dichloropropene | 0.534 | 0.464 | 0.447 | 0.463 | 0.448 | 0.491 | 0.475 | 7 |
| Benzene | 1.512 | 1.382 | 1.327 | 1.378 | 1.323 | 1.436 | 1.393 | 5.1 |
| 1,2-Dichloroethane | 0.435 | 0.390 | 0.367 | 0.379 | 0.352 | 0.395 | 0.386 | 7.4 |
| Trichloroethene | 0.401 | 0.355 | 0.341 | 0.349 | 0.338 | 0.375 | 0.360 | 6.7 |
| 1,2-Dichloropropane | 0.357 | 0.329 | 0.319 | 0.327 | 0.311 | 0.341 | 0.331 | 5 |
| Dibromomethane | 0.201 | 0.184 | 0.179 | 0.181 | 0.166 | 0.187 | 0.183 | 6.2 |
| Bromodichloromethane | 0.528 | 0.500 | 0.469 | 0.482 | 0.459 | 0.506 | 0.491 | 5.2 |
| 4-Methyl-2-Pentanone | 0.202 | 0.211 | 0.202 | 0.216 | 0.194 | 0.224 | 0.208 | 5.2 |

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021020.D RRF010 = VY021021.D RRF020 = VY021022.D
RRF050 = VY021023.D RRF100 = VY021024.D RRF150 = VY021025.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Toluene | 0.913 | 0.856 | 0.840 | 0.876 | 0.844 | 0.918 | 0.875 | 3.9 |
| t-1,3-Dichloropropene | 0.441 | 0.426 | 0.419 | 0.449 | 0.427 | 0.483 | 0.441 | 5.3 |
| cis-1,3-Dichloropropene | 0.528 | 0.516 | 0.502 | 0.525 | 0.501 | 0.560 | 0.522 | 4.2 |
| 1,1,2-Trichloroethane | 0.261 | 0.235 | 0.231 | 0.235 | 0.217 | 0.242 | 0.237 | 6.1 |
| 1,3-Dichloropropane | 0.434 | 0.410 | 0.402 | 0.412 | 0.381 | 0.424 | 0.410 | 4.4 |
| 2-Hexanone | 0.124 | 0.131 | 0.128 | 0.144 | 0.129 | 0.149 | 0.134 | 7.4 |
| Dibromochloromethane | 0.359 | 0.330 | 0.324 | 0.329 | 0.310 | 0.346 | 0.333 | 5.2 |
| 1,2-Dibromoethane | 0.232 | 0.223 | 0.215 | 0.225 | 0.203 | 0.233 | 0.222 | 5 |
| Tetrachloroethene | 0.409 | 0.367 | 0.352 | 0.361 | 0.351 | 0.387 | 0.371 | 6.2 |
| Chlorobenzene | 1.237 | 1.115 | 1.054 | 1.080 | 1.048 | 1.146 | 1.113 | 6.4 |
| 1,1,1,2-Tetrachloroethane | 0.434 | 0.401 | 0.376 | 0.382 | 0.374 | 0.407 | 0.396 | 5.9 |
| Ethyl Benzene | 2.101 | 1.899 | 1.865 | 1.943 | 1.914 | 2.093 | 1.969 | 5.2 |
| m/p-Xylenes | 0.772 | 0.723 | 0.709 | 0.733 | 0.711 | 0.773 | 0.737 | 3.9 |
| o-Xylene | 0.723 | 0.658 | 0.660 | 0.681 | 0.670 | 0.729 | 0.687 | 4.6 |
| Styrene | 1.154 | 1.118 | 1.105 | 1.156 | 1.128 | 1.208 | 1.145 | 3.2 |
| Bromoform | 0.231 | 0.222 | 0.217 | 0.216 | 0.205 | 0.229 | 0.220 | 4.4 |
| Isopropylbenzene | 4.122 | 3.695 | 3.673 | 3.809 | 3.871 | 4.263 | 3.906 | 6.1 |
| 1,1,2,2-Tetrachloroethane | 0.707 | 0.646 | 0.635 | 0.632 | 0.597 | 0.680 | 0.650 | 6 |
| 1,2,3-Trichloropropane | 0.527 | 0.393 | 0.469 | 0.462 | 0.378 | 0.492 | 0.454 | 12.7 |
| Bromobenzene | 0.946 | 0.892 | 0.866 | 0.864 | 0.863 | 0.978 | 0.901 | 5.5 |
| n-propylbenzene | 4.862 | 4.419 | 4.410 | 4.581 | 4.590 | 5.054 | 4.653 | 5.5 |
| 2-Chlorotoluene | 2.872 | 2.577 | 2.537 | 2.585 | 2.571 | 2.847 | 2.665 | 5.7 |
| 1,3,5-Trimethylbenzene | 3.321 | 3.032 | 3.042 | 3.109 | 3.100 | 3.395 | 3.167 | 4.8 |
| 4-Chlorotoluene | 2.902 | 2.692 | 2.605 | 2.617 | 2.592 | 2.882 | 2.715 | 5.2 |
| tert-Butylbenzene | 2.968 | 2.745 | 2.755 | 2.869 | 2.773 | 3.160 | 2.878 | 5.6 |
| 1,2,4-Trimethylbenzene | 3.184 | 2.935 | 2.981 | 3.059 | 3.047 | 3.371 | 3.096 | 5.1 |
| sec-Butylbenzene | 4.405 | 4.003 | 3.956 | 4.038 | 4.046 | 4.413 | 4.143 | 5 |
| p-Isopropyltoluene | 3.554 | 3.237 | 3.304 | 3.421 | 3.381 | 3.753 | 3.442 | 5.4 |
| 1,3-Dichlorobenzene | 1.937 | 1.686 | 1.660 | 1.683 | 1.652 | 1.824 | 1.740 | 6.6 |
| 1,4-Dichlorobenzene | 1.906 | 1.702 | 1.632 | 1.665 | 1.599 | 1.778 | 1.714 | 6.6 |

* 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021020.D RRF010 = VY021021.D RRF020 = VY021022.D
RRF050 = VY021023.D RRF100 = VY021024.D RRF150 = VY021025.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| n-Butylbenzene | 3.202 | 2.923 | 2.961 | 3.153 | 3.127 | 3.473 | 3.140 | 6.3 |
| 1,2-Dichlorobenzene | 1.668 | 1.524 | 1.440 | 1.460 | 1.405 | 1.567 | 1.510 | 6.4 |
| 1,2-Dibromo-3-Chloropropane | 0.099 | 0.099 | 0.089 | 0.097 | 0.089 | 0.109 | 0.097 | 7.6 |
| 1,2,4-Trichlorobenzene | 0.796 | 0.754 | 0.743 | 0.875 | 0.873 | 1.004 | 0.841 | 11.6 |
| Hexachlorobutadiene | 0.600 | 0.518 | 0.523 | 0.554 | 0.542 | 0.605 | 0.557 | 6.7 |
| 1,2,3-Trichlorobenzene | 0.641 | 0.640 | 0.626 | 0.733 | 0.726 | 0.832 | 0.700 | 11.4 |
| 1,2-Dichloroethane-d4 | 0.566 | 0.557 | 0.478 | 0.503 | 0.454 | 0.516 | 0.512 | 8.5 |
| Dibromofluoromethane | 0.351 | 0.326 | 0.301 | 0.313 | 0.297 | 0.333 | 0.320 | 6.4 |
| Toluene-d8 | 1.295 | 1.237 | 1.139 | 1.202 | 1.158 | 1.288 | 1.220 | 5.3 |
| 4-Bromofluorobenzene | 0.417 | 0.408 | 0.371 | 0.403 | 0.375 | 0.418 | 0.399 | 5.2 |
| trans-1,4-Dichloro-2-butene | 0.216 | 0.226 | 0.211 | 0.223 | 0.208 | 0.250 | 0.222 | 6.9 |

* 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 GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025
Response Via : Initial Calibration

Calibration Files
5 =VY021020.D 10 =VY021021.D 20 =VY021022.D 50 =VY021023.D 100 =VY021024.D 150 =VY021025.D

| | | Compound | 5 | 10 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | | |
| 2) | T | Dichlorodifluo... | 0.503 | 0.438 | 0.413 | 0.445 | 0.419 | 0.457 | 0.446 | 7.23 |
| 3) | P | Chloromethane | 0.524 | 0.445 | 0.408 | 0.421 | 0.404 | 0.437 | 0.440 | 10.10 |
| 4) | C | Vinyl Chloride | 0.535 | 0.441 | 0.404 | 0.424 | 0.408 | 0.443 | 0.443 | 10.93# |
| 5) | T | Bromomethane | 0.356 | 0.275 | 0.249 | 0.258 | 0.246 | 0.257 | 0.274 | 15.17 |
| 6) | T | Chloroethane | 0.316 | 0.270 | 0.240 | 0.255 | 0.239 | 0.261 | 0.263 | 10.71 |
| 7) | T | Trichlorofluor... | 0.924 | 0.814 | 0.755 | 0.789 | 0.743 | 0.813 | 0.806 | 8.03 |
| 8) | T | Diethyl Ether | 0.274 | 0.256 | 0.248 | 0.242 | 0.230 | 0.260 | 0.252 | 6.02 |
| 9) | T | 1,1,2-Trichlor... | 0.587 | 0.507 | 0.472 | 0.494 | 0.466 | 0.510 | 0.506 | 8.56 |
| 10) | T | Methyl Iodide | 0.534 | 0.532 | 0.527 | 0.587 | 0.576 | 0.618 | 0.562 | 6.59 |
| 11) | T | Tert butyl alc... | 0.042 | 0.039 | 0.035 | 0.032 | 0.028 | 0.032 | 0.035 | 14.80 |
| 12) | CM | 1,1-Dichloroet... | 0.529 | 0.471 | 0.441 | 0.469 | 0.452 | 0.498 | 0.477 | 6.76# |
| 13) | T | Acrolein | 0.055 | 0.057 | 0.056 | 0.052 | 0.047 | 0.053 | 0.053 | 6.61 |
| 14) | T | Allyl chloride | 0.869 | 0.778 | 0.753 | 0.800 | 0.774 | 0.846 | 0.803 | 5.60 |
| 15) | T | Acrylonitrile | 0.109 | 0.105 | 0.105 | 0.106 | 0.095 | 0.109 | 0.105 | 5.06 |
| 16) | T | Acetone | 0.087 | 0.083 | 0.078 | 0.077 | 0.070 | 0.083 | 0.080 | 7.52 |
| 17) | T | Carbon Disulfide | 1.673 | 1.456 | 1.389 | 1.475 | 1.421 | 1.556 | 1.495 | 6.96 |
| 18) | T | Methyl Acetate | 0.300 | 0.282 | 0.268 | 0.287 | 0.253 | 0.291 | 0.280 | 6.13 |
| 19) | T | Methyl tert-bu... | 1.271 | 1.185 | 1.168 | 1.216 | 1.124 | 1.265 | 1.205 | 4.75 |
| 20) | T | Methylene Chlo... | 0.570 | 0.506 | 0.473 | 0.485 | 0.452 | 0.494 | 0.497 | 8.17 |
| 21) | T | trans-1,2-Dich... | 0.578 | 0.518 | 0.502 | 0.522 | 0.490 | 0.538 | 0.525 | 5.83 |
| 22) | T | Diisopropyl ether | 1.741 | 1.643 | 1.638 | 1.665 | 1.573 | 1.677 | 1.656 | 3.33 |
| 23) | T | Vinyl Acetate | 0.937 | 0.913 | 0.903 | 0.948 | 0.869 | 0.970 | 0.923 | 3.86 |
| 24) | P | 1,1-Dichloroet... | 1.104 | 0.948 | 0.923 | 0.947 | 0.911 | 0.989 | 0.970 | 7.27 |
| 25) | T | 2-Butanone | 0.134 | 0.133 | 0.126 | 0.135 | 0.121 | 0.139 | 0.131 | 5.18 |
| 26) | T | 2,2-Dichloropr... | 1.031 | 0.899 | 0.842 | 0.870 | 0.818 | 0.926 | 0.898 | 8.44 |
| 27) | T | cis-1,2-Dichlo... | 0.662 | 0.584 | 0.577 | 0.599 | 0.575 | 0.626 | 0.604 | 5.66 |
| 28) | T | Bromochloromet... | 0.373 | 0.368 | 0.381 | 0.413 | 0.374 | 0.394 | 0.384 | 4.42 |
| 29) | T | Tetrahydrofuran | 0.088 | 0.092 | 0.088 | 0.092 | 0.081 | 0.093 | 0.089 | 5.11 |
| 30) | C | Chloroform | 1.107 | 1.016 | 0.947 | 0.982 | 0.921 | 1.006 | 0.997 | 6.49# |
| 31) | T | Cyclohexane | 1.093 | 0.885 | 0.807 | 0.827 | 0.779 | 0.852 | 0.874 | 12.96 |
| 32) | T | 1,1,1-Trichlor... | 1.067 | 0.901 | 0.867 | 0.912 | 0.863 | 0.949 | 0.927 | 8.18 |
| 33) | S | 1,2-Dichloroet... | 0.566 | 0.557 | 0.478 | 0.503 | 0.454 | 0.516 | 0.512 | 8.52 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | |
| 35) | S | Dibromofluorom... | 0.351 | 0.326 | 0.301 | 0.313 | 0.297 | 0.333 | 0.320 | 6.41 |
| 36) | T | 1,1-Dichloropr... | 0.534 | 0.464 | 0.447 | 0.463 | 0.448 | 0.491 | 0.475 | 7.02 |
| 37) | T | Ethyl Acetate | 0.218 | 0.208 | 0.208 | 0.211 | 0.188 | 0.216 | 0.208 | 5.10 |
| 38) | T | Carbon Tetrach... | 0.604 | 0.551 | 0.522 | 0.547 | 0.522 | 0.581 | 0.555 | 5.86 |
| 39) | T | Methylcyclohexane | 0.609 | 0.550 | 0.536 | 0.588 | 0.570 | 0.629 | 0.581 | 6.07 |
| 40) | TM | Benzene | 1.512 | 1.382 | 1.327 | 1.378 | 1.323 | 1.436 | 1.393 | 5.13 |
| 41) | T | Methacrylonitrile | 0.130 | 0.126 | 0.133 | 0.111 | 0.089 | 0.134 | 0.120 | 14.47 |
| 42) | TM | 1,2-Dichloroet... | 0.435 | 0.390 | 0.367 | 0.379 | 0.352 | 0.395 | 0.386 | 7.38 |
| 43) | T | Isopropyl Acetate | 0.404 | 0.417 | 0.400 | 0.422 | 0.389 | 0.451 | 0.414 | 5.25 |
| 44) | TM | Trichloroethene | 0.401 | 0.355 | 0.341 | 0.349 | 0.338 | 0.375 | 0.360 | 6.66 |
| 45) | C | 1,2-Dichloropr... | 0.357 | 0.329 | 0.319 | 0.327 | 0.311 | 0.341 | 0.331 | 4.98# |
| 46) | T | Dibromomethane | 0.201 | 0.184 | 0.179 | 0.181 | 0.166 | 0.187 | 0.183 | 6.17 |
| 47) | T | Bromodichlorom... | 0.528 | 0.500 | 0.469 | 0.482 | 0.459 | 0.506 | 0.491 | 5.18 |
| 48) | T | Methyl methacr... | 0.180 | 0.180 | 0.175 | 0.192 | 0.186 | 0.217 | 0.188 | 7.95 |
| 49) | T | 1,4-Dioxane | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 6.73 |
| 50) | S | Toluene-d8 | 1.295 | 1.237 | 1.139 | 1.202 | 1.158 | 1.288 | 1.220 | 5.34 |
| 51) | T | 4-Methyl-2-Pen... | 0.202 | 0.211 | 0.202 | 0.216 | 0.194 | 0.224 | 0.208 | 5.18 |
| 52) | CM | Toluene | 0.913 | 0.856 | 0.840 | 0.876 | 0.844 | 0.918 | 0.875 | 3.88# |
| 53) | T | t-1,3-Dichloro... | 0.441 | 0.426 | 0.419 | 0.449 | 0.427 | 0.483 | 0.441 | 5.31 |
| 54) | T | cis-1,3-Dichlo... | 0.528 | 0.516 | 0.502 | 0.525 | 0.501 | 0.560 | 0.522 | 4.19 |
| 55) | T | 1,1,2-Trichlor... | 0.261 | 0.235 | 0.231 | 0.235 | 0.217 | 0.242 | 0.237 | 6.06 |
| 56) | T | Ethyl methacry... | 0.287 | 0.296 | 0.300 | 0.338 | 0.319 | 0.363 | 0.317 | 9.15 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y020325S.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,3-Dichloropr... | 0.434 | 0.410 | 0.402 | 0.412 | 0.381 | 0.424 | 0.410 | 4.44 |
| 58) | T | 2-Chloroethyl ... | 0.143 | 0.146 | 0.146 | 0.157 | 0.146 | 0.167 | 0.151 | 6.19 |
| 59) | T | 2-Hexanone | 0.124 | 0.131 | 0.128 | 0.144 | 0.129 | 0.149 | 0.134 | 7.42 |
| 60) | T | Dibromochlorom... | 0.359 | 0.330 | 0.324 | 0.329 | 0.310 | 0.346 | 0.333 | 5.17 |
| 61) | T | 1,2-Dibromoethane | 0.232 | 0.223 | 0.215 | 0.225 | 0.203 | 0.233 | 0.222 | 5.04 |
| 62) | S | 4-Bromofluorob... | 0.417 | 0.408 | 0.371 | 0.403 | 0.375 | 0.418 | 0.399 | 5.23 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 64) | T | Tetrachloroethene | 0.409 | 0.367 | 0.352 | 0.361 | 0.351 | 0.387 | 0.371 | 6.17 |
| 65) | PM | Chlorobenzene | 1.237 | 1.115 | 1.054 | 1.080 | 1.048 | 1.146 | 1.113 | 6.40 |
| 66) | T | 1,1,1,2-Tetrac... | 0.434 | 0.401 | 0.376 | 0.382 | 0.374 | 0.407 | 0.396 | 5.86 |
| 67) | C | Ethyl Benzene | 2.101 | 1.899 | 1.865 | 1.943 | 1.914 | 2.093 | 1.969 | 5.20# |
| 68) | T | m/p-Xylenes | 0.772 | 0.723 | 0.709 | 0.733 | 0.711 | 0.773 | 0.737 | 3.93 |
| 69) | T | o-Xylene | 0.723 | 0.658 | 0.660 | 0.681 | 0.670 | 0.729 | 0.687 | 4.57 |
| 70) | T | Styrene | 1.154 | 1.118 | 1.105 | 1.156 | 1.128 | 1.208 | 1.145 | 3.23 |
| 71) | P | Bromoform | 0.231 | 0.222 | 0.217 | 0.216 | 0.205 | 0.229 | 0.220 | 4.43 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 73) | T | Isopropylbenzene | 4.122 | 3.695 | 3.673 | 3.809 | 3.871 | 4.263 | 3.906 | 6.09 |
| 74) | T | N-amyl acetate | 0.786 | 0.801 | 0.796 | 0.887 | 0.854 | 1.000 | 0.854 | 9.53 |
| 75) | P | 1,1,2,2-Tetrac... | 0.707 | 0.646 | 0.635 | 0.632 | 0.597 | 0.680 | 0.650 | 5.97 |
| 76) | T | 1,2,3-Trichlor... | 0.527 | 0.393 | 0.469 | 0.462 | 0.378 | 0.492 | 0.454 | 12.69 |
| 77) | T | Bromobenzene | 0.946 | 0.892 | 0.866 | 0.864 | 0.863 | 0.978 | 0.901 | 5.45 |
| 78) | T | n-propylbenzene | 4.862 | 4.419 | 4.410 | 4.581 | 4.590 | 5.054 | 4.653 | 5.50 |
| 79) | T | 2-Chlorotoluene | 2.872 | 2.577 | 2.537 | 2.585 | 2.571 | 2.847 | 2.665 | 5.70 |
| 80) | T | 1,3,5-Trimethy... | 3.321 | 3.032 | 3.042 | 3.109 | 3.100 | 3.395 | 3.167 | 4.84 |
| 81) | T | trans-1,4-Dich... | 0.216 | 0.226 | 0.211 | 0.223 | 0.208 | 0.250 | 0.222 | 6.87 |
| 82) | T | 4-Chlorotoluene | 2.902 | 2.692 | 2.605 | 2.617 | 2.592 | 2.882 | 2.715 | 5.21 |
| 83) | T | tert-Butylbenzene | 2.968 | 2.745 | 2.755 | 2.869 | 2.773 | 3.160 | 2.878 | 5.63 |
| 84) | T | 1,2,4-Trimethy... | 3.184 | 2.935 | 2.981 | 3.059 | 3.047 | 3.371 | 3.096 | 5.13 |
| 85) | T | sec-Butylbenzene | 4.405 | 4.003 | 3.956 | 4.038 | 4.046 | 4.413 | 4.143 | 5.03 |
| 86) | T | p-Isopropyltol... | 3.554 | 3.237 | 3.304 | 3.421 | 3.381 | 3.753 | 3.442 | 5.43 |
| 87) | T | 1,3-Dichlorobe... | 1.937 | 1.686 | 1.660 | 1.683 | 1.652 | 1.824 | 1.740 | 6.61 |
| 88) | T | 1,4-Dichlorobe... | 1.906 | 1.702 | 1.632 | 1.665 | 1.599 | 1.778 | 1.714 | 6.56 |
| 89) | T | n-Butylbenzene | 3.202 | 2.923 | 2.961 | 3.153 | 3.127 | 3.473 | 3.140 | 6.27 |
| 90) | T | Hexachloroethane | 0.757 | 0.693 | 0.680 | 0.696 | 0.699 | 0.784 | 0.718 | 5.86 |
| 91) | T | 1,2-Dichlorobe... | 1.668 | 1.524 | 1.440 | 1.460 | 1.405 | 1.567 | 1.510 | 6.42 |
| 92) | T | 1,2-Dibromo-3-... | 0.099 | 0.099 | 0.089 | 0.097 | 0.089 | 0.109 | 0.097 | 7.64 |
| 93) | T | 1,2,4-Trichlor... | 0.796 | 0.754 | 0.743 | 0.875 | 0.873 | 1.004 | 0.841 | 11.62 |
| 94) | T | Hexachlorobuta... | 0.600 | 0.518 | 0.523 | 0.554 | 0.542 | 0.605 | 0.557 | 6.73 |
| 95) | T | Naphthalene | 1.072 | 1.171 | 1.176 | 1.488 | 1.440 | 1.723 | 1.345 | 18.38 |
| 96) | T | 1,2,3-Trichlor... | 0.641 | 0.640 | 0.626 | 0.733 | 0.726 | 0.832 | 0.700 | 11.36 |

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 185671 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 293189 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 242257 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152 | 113107 | 50.000 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.079 | 65 | 10514 | 6.651 | ug/l | | 0.01 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 13.300%# | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 10294 | 5.840 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 11.680%# | | | |
| 50) Toluene-d8 | 10.115 | 98 | 37973 | 5.520 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 11.040%# | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 12237 | 5.301 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = | 10.600%# | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.873 | 85 | 9330 | 5.910 | ug/l | | 94 |
| 3) Chloromethane | 2.080 | 50 | 9736 | 9.700 | ug/l | | 98 |
| 4) Vinyl Chloride | 2.214 | 62 | 9942 | 9.607 | ug/l | | 100 |
| 5) Bromomethane | 2.611 | 94 | 6604 | 9.426 | ug/l | | 92 |
| 6) Chloroethane | 2.751 | 64 | 5863 | 9.698 | ug/l | | 89 |
| 7) Trichlorofluoromethane | 3.074 | 101 | 17163 | 6.872 | ug/l | | 96 |
| 8) Diethyl Ether | 3.470 | 74 | 5090 | 6.827 | ug/l | | 78 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 10891 | 6.476 | ug/l | | 93 |
| 10) Methyl Iodide | 4.019 | 142 | 9923 | 5.156 | ug/l | | 97 |
| 11) Tert butyl alcohol | 4.878 | 59 | 3893 | 33.712 | ug/l | # | 73 |
| 12) 1,1-Dichloroethene | 3.805 | 96 | 9831 | 6.255 | ug/l | | 89 |
| 13) Acrolein | 3.665 | 56 | 5116 | 38.472 | ug/l | | 94 |
| 14) Allyl chloride | 4.403 | 41 | 16131 | 7.456 | ug/l | | 93 |
| 15) Acrylonitrile | 5.086 | 53 | 10135 | 33.047 | ug/l | # | 73 |
| 16) Acetone | 3.891 | 43 | 8118 | 37.678 | ug/l | | 99 |
| 17) Carbon Disulfide | 4.123 | 76 | 31063 | 6.417 | ug/l | | 99 |
| 18) Methyl Acetate | 4.397 | 43 | 5577 | 7.397 | ug/l | | 92 |
| 19) Methyl tert-butyl Ether | 5.128 | 73 | 23603 | 6.452 | ug/l | | 98 |
| 20) Methylene Chloride | 4.635 | 84 | 10585 | 6.661 | ug/l | | 94 |
| 21) trans-1,2-Dichloroethene | 5.141 | 96 | 10724 | 6.364 | ug/l | | 91 |
| 22) Diisopropyl ether | 6.031 | 45 | 32323 | 7.329 | ug/l | | 94 |
| 23) Vinyl Acetate | 5.976 | 43 | 87000 | 35.621 | ug/l | | 97 |
| 24) 1,1-Dichloroethane | 5.933 | 63 | 20490 | 7.202 | ug/l | | 96 |
| 25) 2-Butanone | 6.915 | 43 | 12466 | 34.105 | ug/l | | 93 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 19144 | 6.834 | ug/l | | 98 |
| 27) cis-1,2-Dichloroethene | 6.909 | 96 | 12299 | 6.350 | ug/l | | 93 |
| 28) Bromochloromethane | 7.256 | 49 | 6919 | 6.527 | ug/l | | 85 |
| 29) Tetrahydrofuran | 7.281 | 42 | 8193 | 33.310 | ug/l | | 92 |
| 30) Chloroform | 7.439 | 83 | 20552 | 6.669 | ug/l | | 96 |
| 31) Cyclohexane | 7.713 | 56 | 20287 | 7.295 | ug/l | # | 85 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 19818 | 6.645 | ug/l | | 97 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 15667 | 6.231 | ug/l | | 95 |
| 37) Ethyl Acetate | 6.994 | 43 | 6383 | 6.809 | ug/l | # | 74 |
| 38) Carbon Tetrachloride | 7.829 | 117 | 17709 | 5.691 | ug/l | | 99 |
| 39) Methylcyclohexane | 9.116 | 83 | 17860 | 5.287 | ug/l | | 93 |
| 40) Benzene | 8.091 | 78 | 44324 | 5.991 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.244 | 41 | 3810m | 7.345 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 12762 | 6.801 | ug/l | | 98 |
| 43) Isopropyl Acetate | 8.207 | 43 | 11839 | 6.321 | ug/l | # | 86 |
| 44) Trichloroethene | 8.878 | 130 | 11751 | 5.756 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 10477 | 6.318 | ug/l | | 99 |
| 46) Dibromomethane | 9.244 | 93 | 5885 | 6.098 | ug/l | | 91 |
| 47) Bromodichloromethane | 9.433 | 83 | 15477 | 6.107 | ug/l | | 94 |
| 48) Methyl methacrylate | 9.231 | 41 | 5280 | 5.922 | ug/l | | 93 |
| 49) 1,4-Dioxane | 9.250 | 88 | 940 | 91.663 | ug/l | # | 93 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 29573 | 30.730 | ug/l | | 91 |
| 52) Toluene | 10.182 | 92 | 26760 | 5.572 | ug/l | | 96 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 12933 | 5.639 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 9.865 | 75 | 15488 | 5.650 | ug/l | # | 90 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 7651 | 5.961 | ug/l | | 92 |
| 56) Ethyl methacrylate | 10.451 | 69 | 8418 | 5.018 | ug/l | # | 82 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 12714 | 5.845 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 21035 | 29.542 | ug/l | | 95 |
| 59) 2-Hexanone | 10.774 | 43 | 18159 | 29.030 | ug/l | | 90 |
| 60) Dibromochloromethane | 10.920 | 129 | 10511 | 5.744 | ug/l | | 96 |
| 61) 1,2-Dibromoethane | 11.024 | 107 | 6810 | 5.555 | ug/l | | 96 |
| 64) Tetrachloroethene | 10.652 | 164 | 9915 | 5.426 | ug/l | | 96 |
| 65) Chlorobenzene | 11.450 | 112 | 29973 | 5.872 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 10524 | 5.810 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.530 | 91 | 50904 | 5.760 | ug/l | | 97 |
| 68) m/p-Xylenes | 11.639 | 106 | 37399 | 11.015 | ug/l | | 98 |
| 69) o-Xylene | 11.963 | 106 | 17519 | 5.550 | ug/l | | 99 |
| 70) Styrene | 11.981 | 104 | 27946 | 5.333 | ug/l | | 99 |
| 71) Bromoform | 12.145 | 173 | 5607 | 5.252 | ug/l | # | 97 |
| 73) Isopropylbenzene | 12.261 | 105 | 46625 | 5.869 | ug/l | | 100 |
| 74) N-amyl acetate | 12.085 | 43 | 8887 | 6.144 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83 | 8001 | 6.240 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 5960m | 6.656 | ug/l | | |
| 77) Bromobenzene | 12.542 | 156 | 10698 | 5.680 | ug/l | | 90 |
| 78) n-propylbenzene | 12.603 | 91 | 54990 | 5.907 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 32479 | 6.123 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.749 | 105 | 37564 | 5.772 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 2446 | 5.671 | ug/l | | 92 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 32824 | 6.046 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 33572 | 5.562 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 13.054 | 105 | 36016 | 5.665 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.188 | 105 | 49828 | 5.831 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.304 | 119 | 40197 | 5.597 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.298 | 146 | 21910 | 5.966 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.377 | 146 | 21553 | 5.910 | ug/l | | 95 |
| 89) n-Butylbenzene | 13.627 | 91 | 36214 | 5.630 | ug/l | | 96 |
| 90) Hexachloroethane | 13.895 | 117 | 8559 | 5.891 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 13.670 | 146 | 18869 | 5.892 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75 | 1125 | 5.699 | ug/l | | 82 |
| 93) 1,2,4-Trichlorobenzene | 14.932 | 180 | 9000 | 4.590 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.035 | 225 | 6792 | 5.001 | ug/l | | 99 |
| 95) Naphthalene | 15.157 | 128 | 12124 | 3.847 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 7255 | 4.375 | ug/l | | 95 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

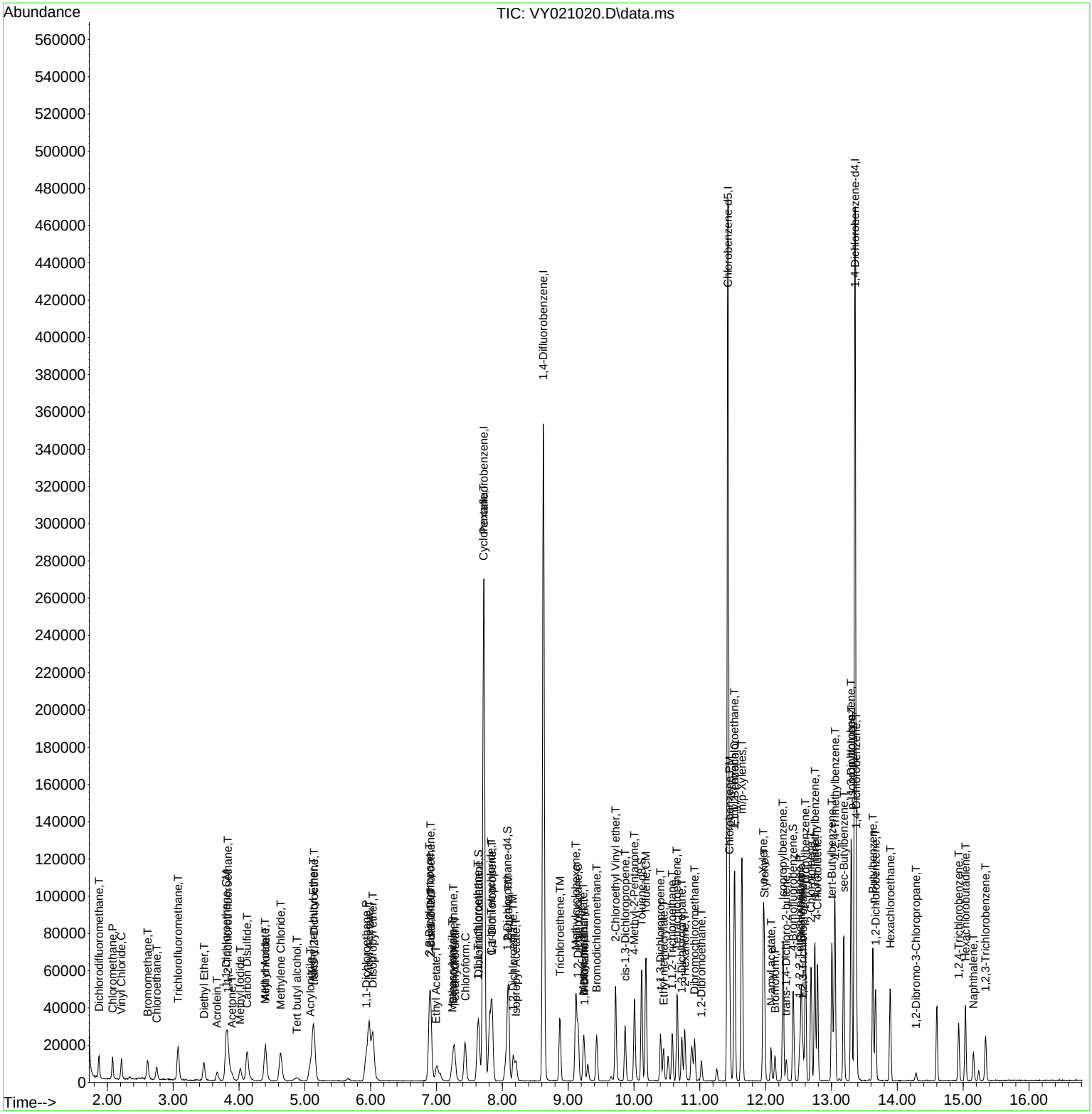
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

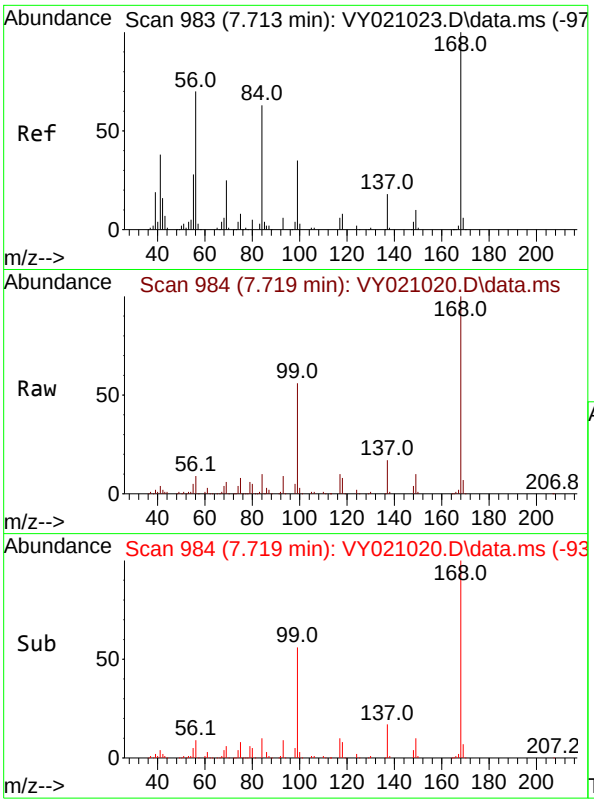
Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

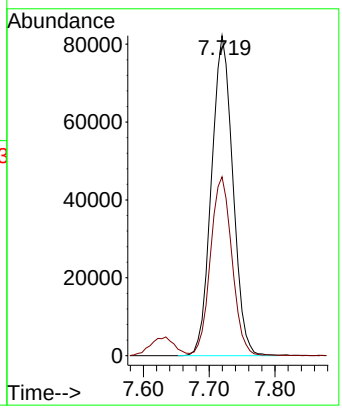





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:168 Resp: 18567

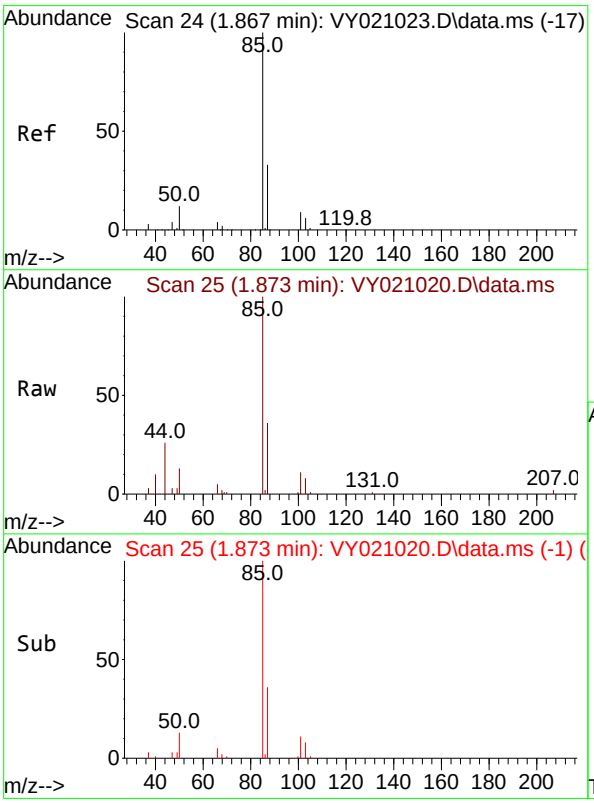
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.8 | 42.2 | 63.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

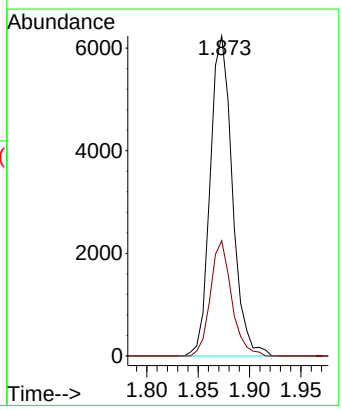
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

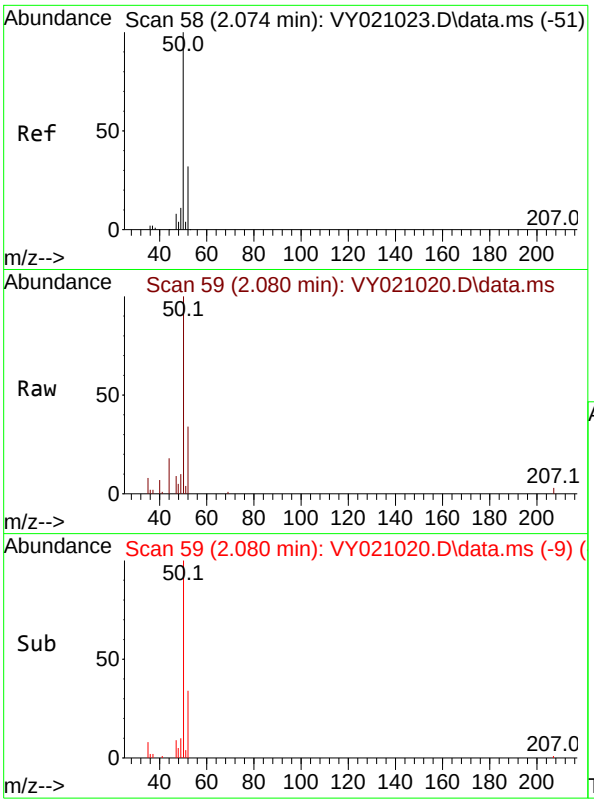



#2
Dichlorodifluoromethane
Concen: 5.910 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 85 Resp: 9330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 36.0 | 16.3 | 48.9 |

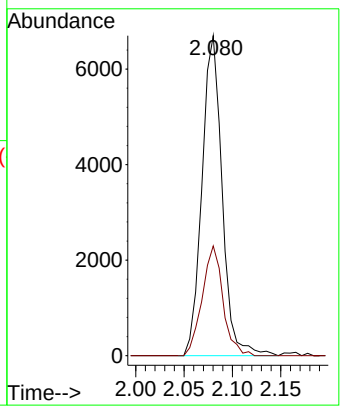





#3
Chloromethane
Concen: 9.700 ug/l
RT: 2.080 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 50 Resp: 973

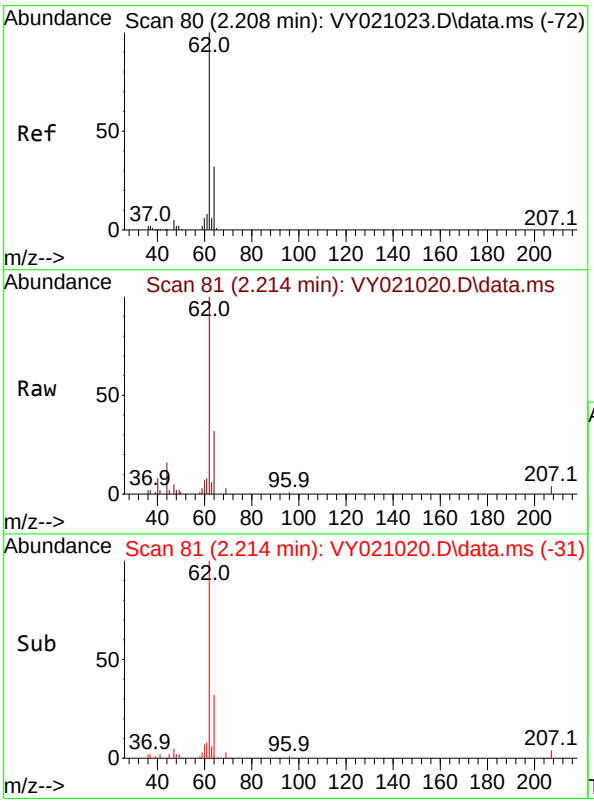
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.3 | 26.3 | 39.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

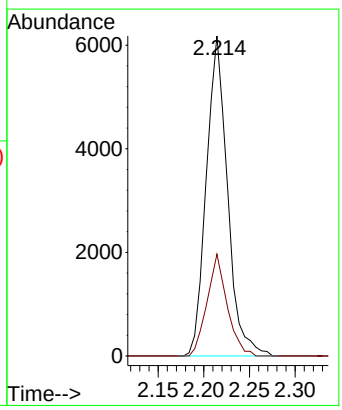
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

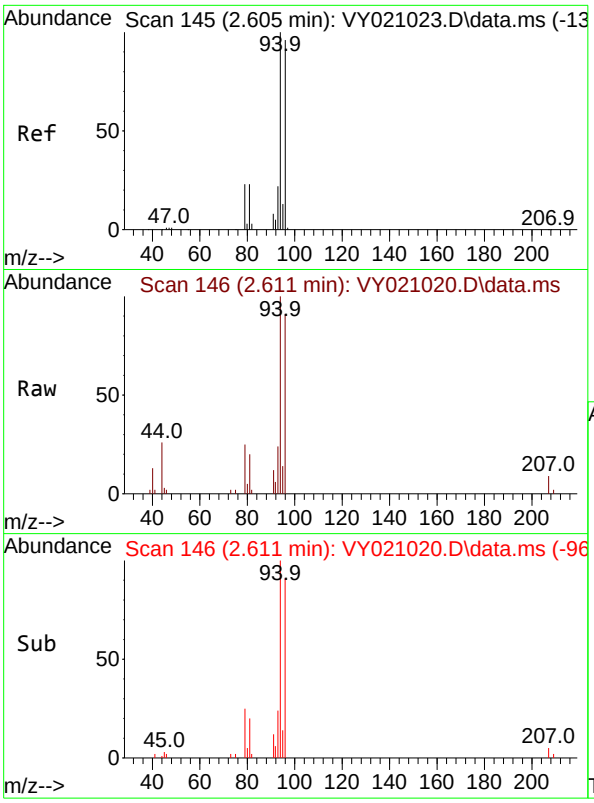



#4
Vinyl Chloride
Concen: 9.607 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 62 Resp: 9942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.8 | 25.4 | 38.2 |

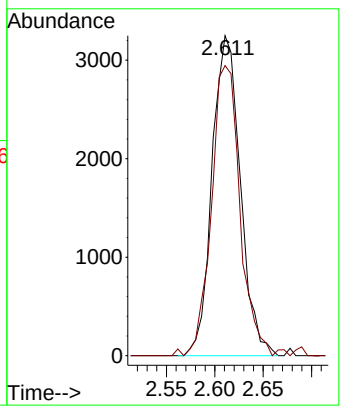





#5
Bromomethane
Concen: 9.426 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 94 Resp: 660

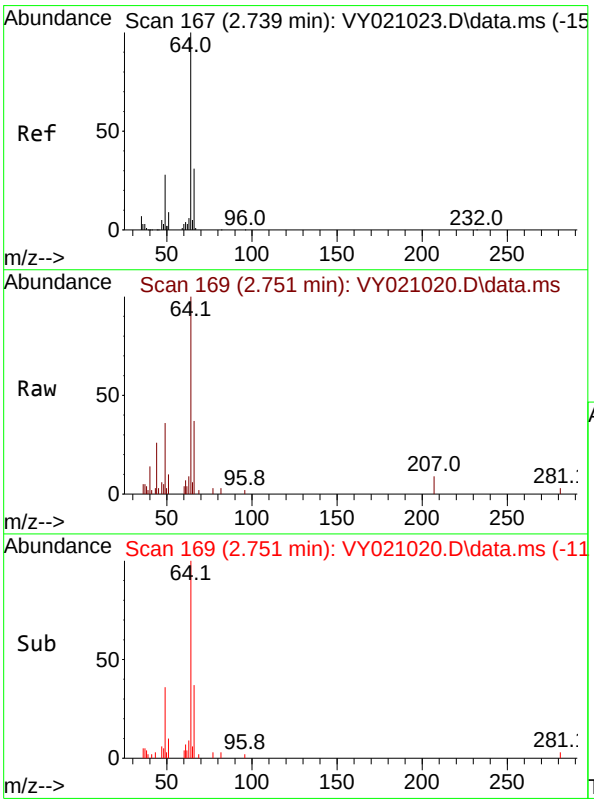
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 88.9 | 77.4 | 116.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

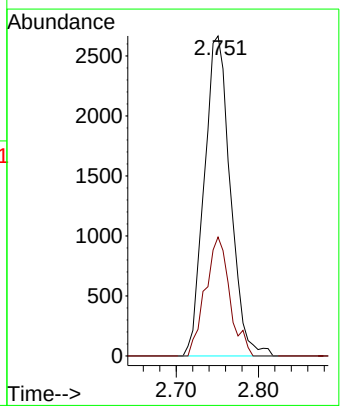
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

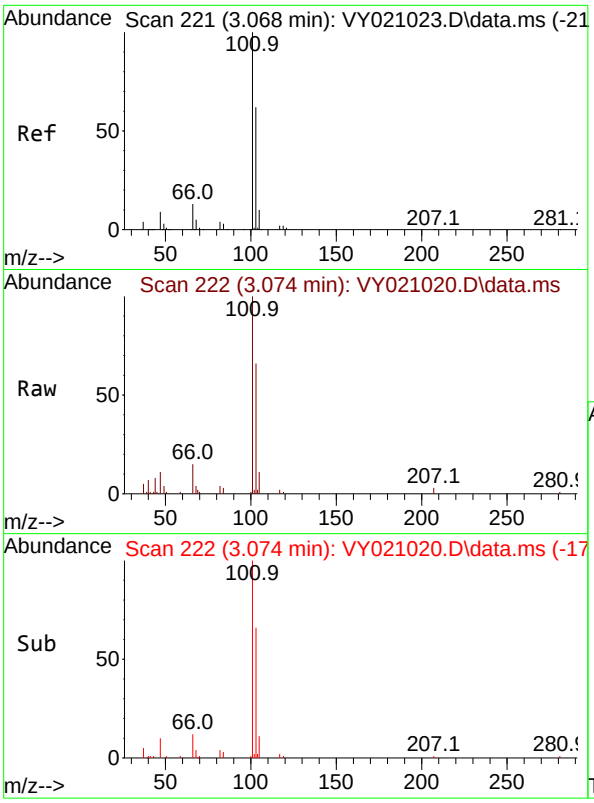



#6
Chloroethane
Concen: 9.698 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 64 Resp: 5863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 37.1 | 25.0 | 37.4 |

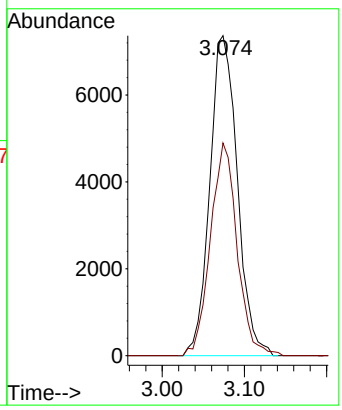





#7
Trichlorofluoromethane
Concen: 6.872 ug/l
RT: 3.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:101 Resp: 1716

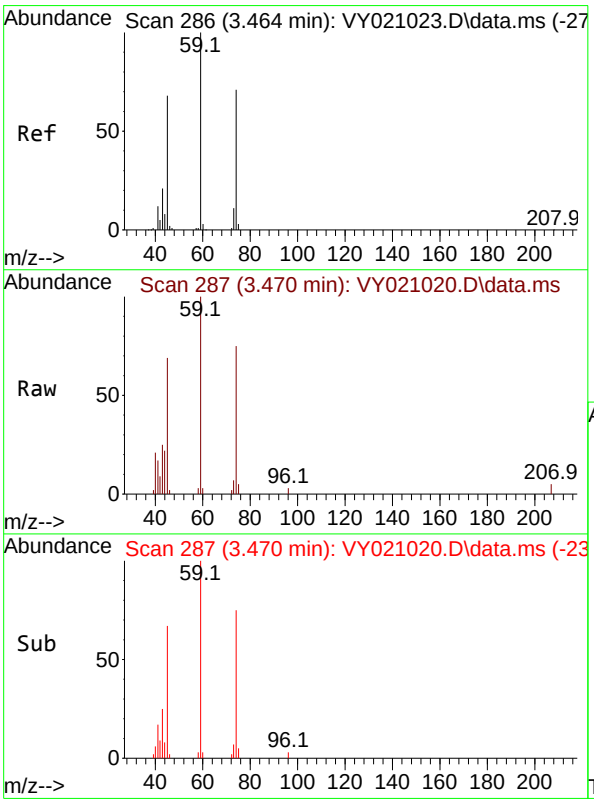
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.4 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

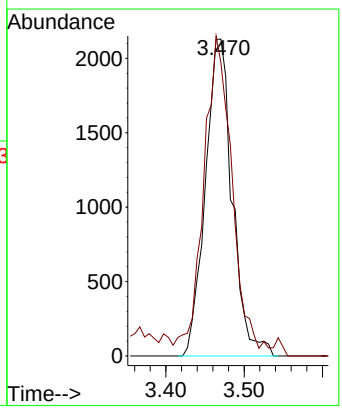
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

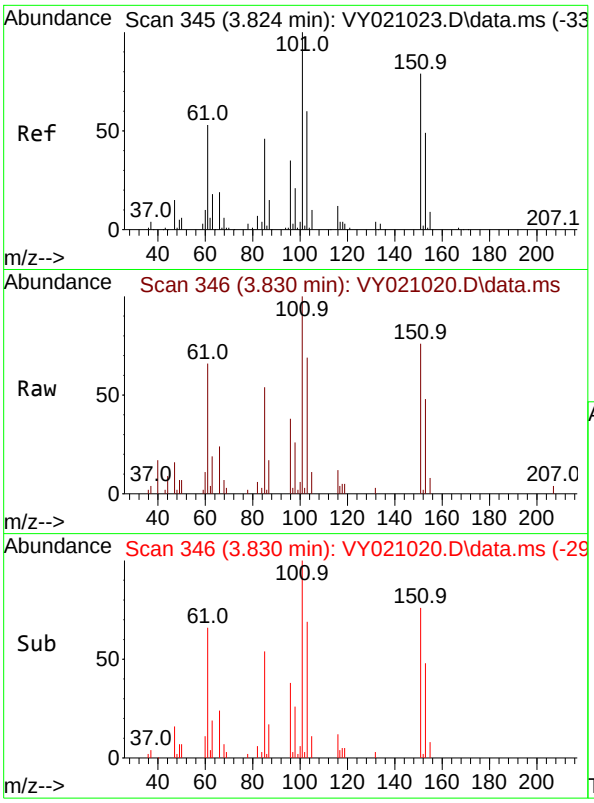



#8
Diethyl Ether
Concen: 6.827 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 74 Resp: 5090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 107.1 | 43.4 | 130.2 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.476 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

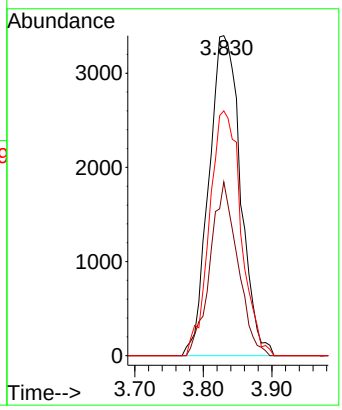
Tgt Ion:101 Resp: 1089

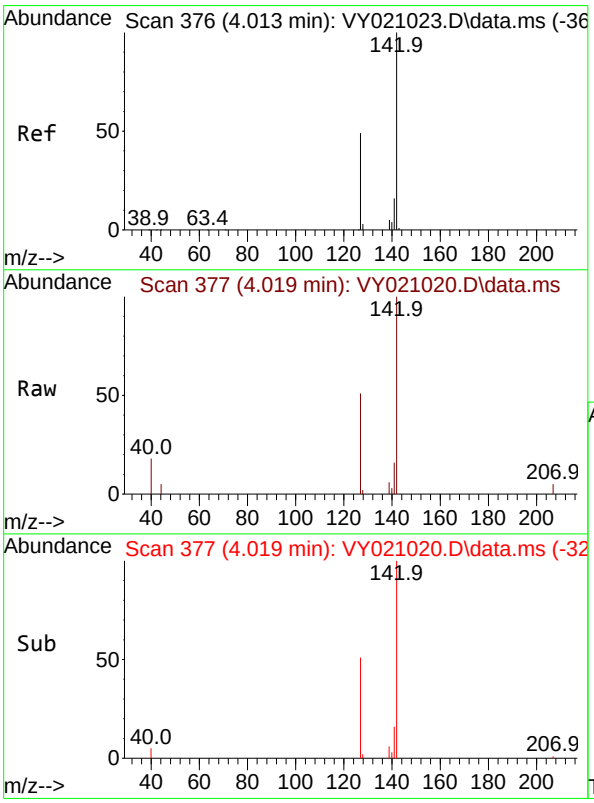
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.3 | 34.9 | 52.3 |
| 151 | 76.2 | 66.8 | 100.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

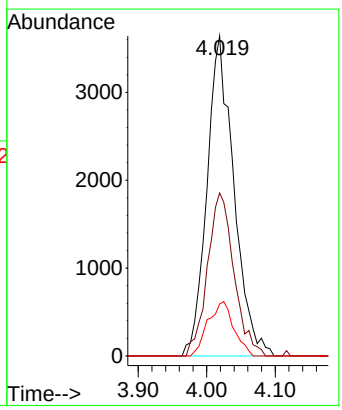


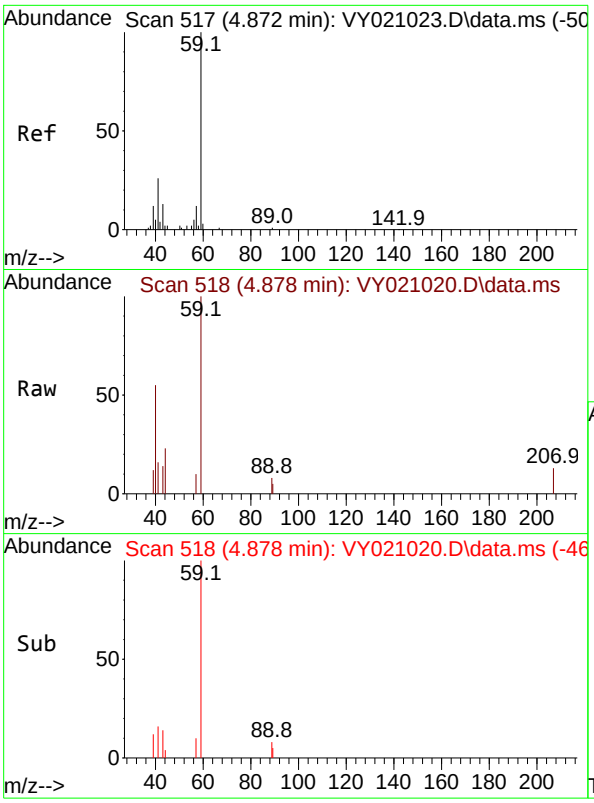




#10
Methyl Iodide
Concen: 5.156 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:142 Resp: 9923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.1 | 38.9 | 58.3 |
| 141 | 16.3 | 11.7 | 17.5 |

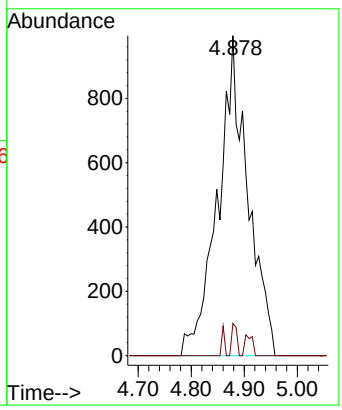





#11
Tert butyl alcohol
Concen: 33.712 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 59 Resp: 389

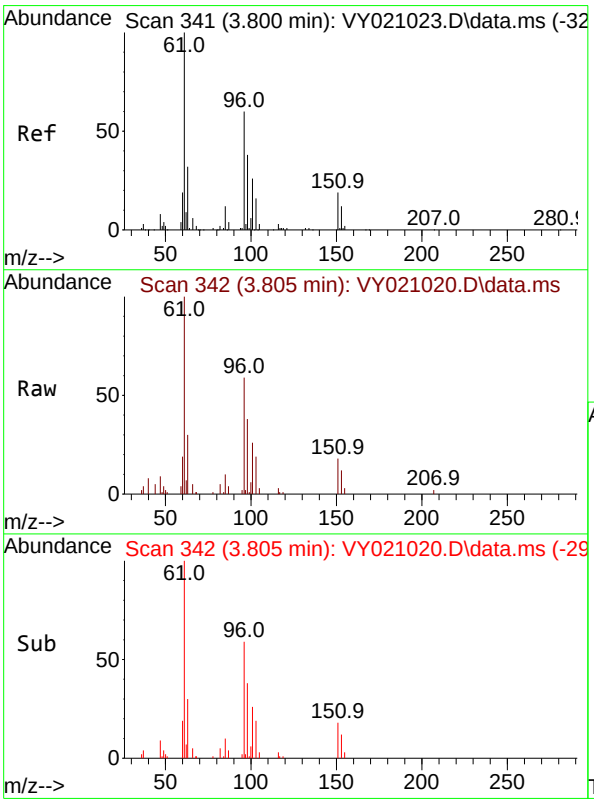
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.8 | 11.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

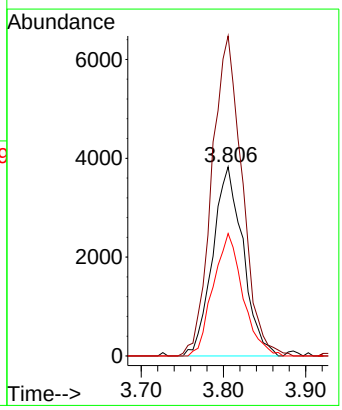
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

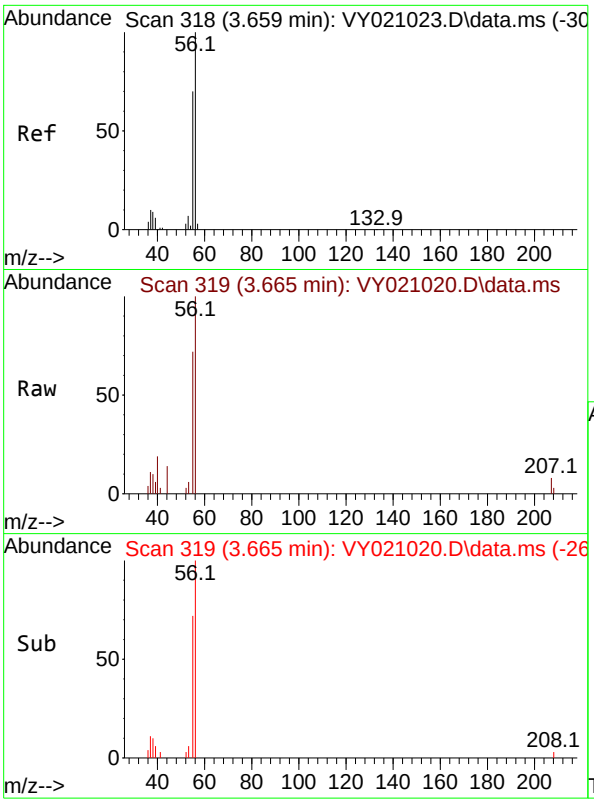



#12
1,1-Dichloroethene
Concen: 6.255 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 9831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.2 | 120.8 | 181.2 |
| 98 | 64.7 | 50.6 | 76.0 |

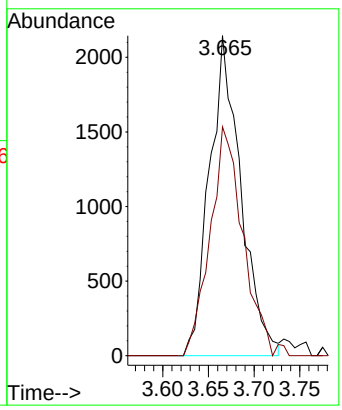





#13
Acrolein
Concen: 38.472 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 56 Resp: 511

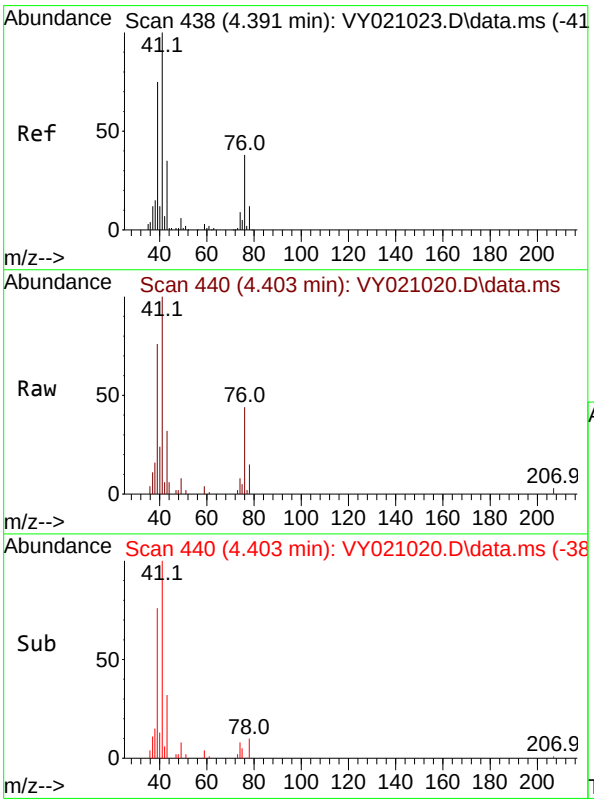
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 75.4 | 56.1 | 84.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

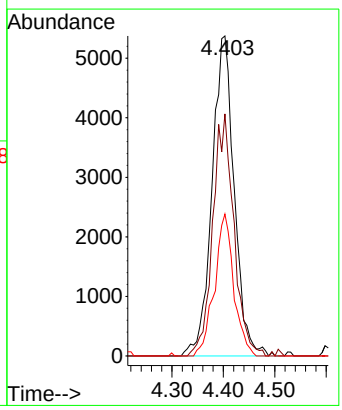
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

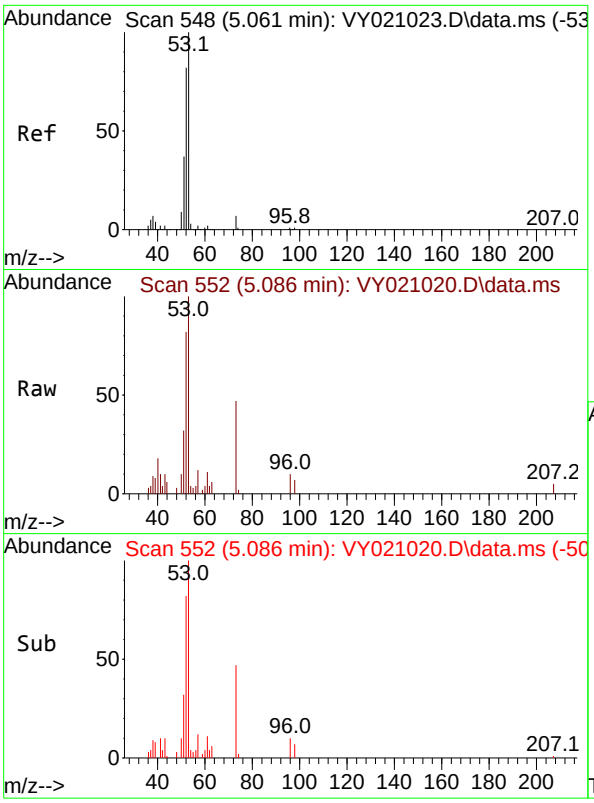



#14
Allyl chloride
Concen: 7.456 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 16131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.9 | 53.5 | 80.3 |
| 76 | 38.4 | 34.6 | 52.0 |






#15
Acrylonitrile
Concen: 33.047 ug/l
RT: 5.086 min Scan# 5
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

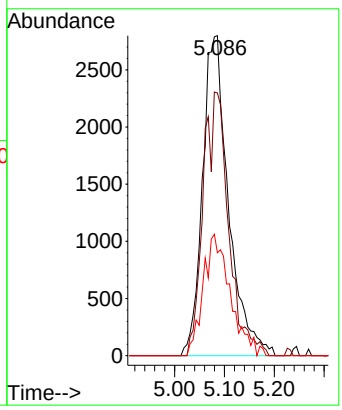
Tgt Ion: 53 Resp: 1013

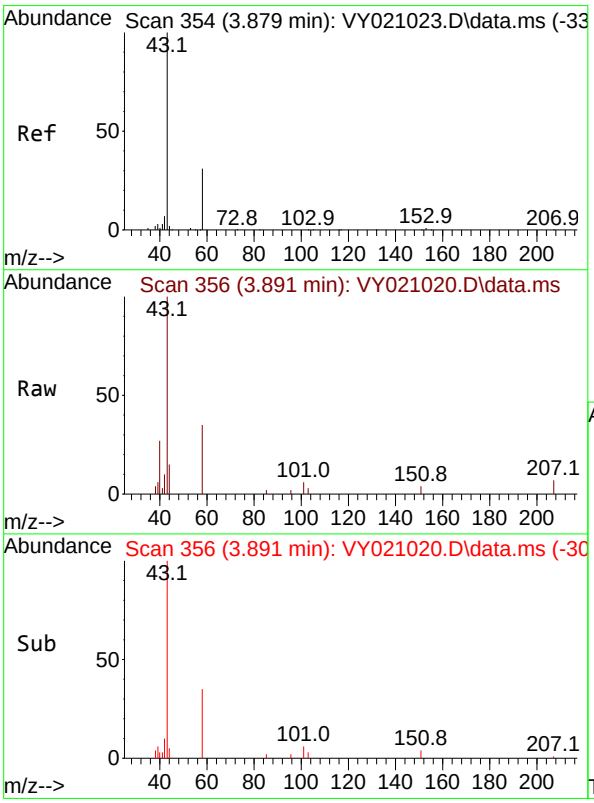
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 50.1 | 66.2 | 99.4 |
| 51 | 39.5 | 29.4 | 44.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

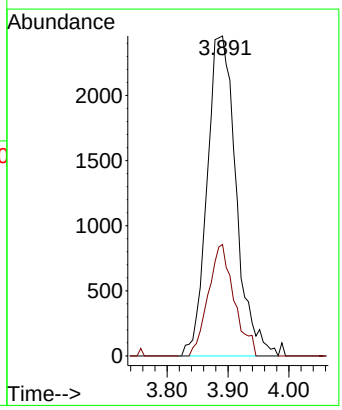


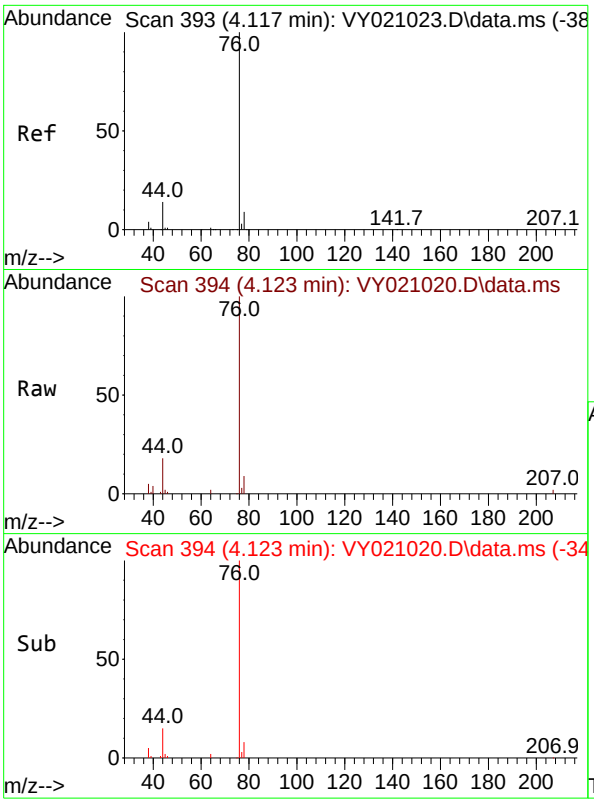




#16
Acetone
Concen: 37.678 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 28.4 | 42.6 |

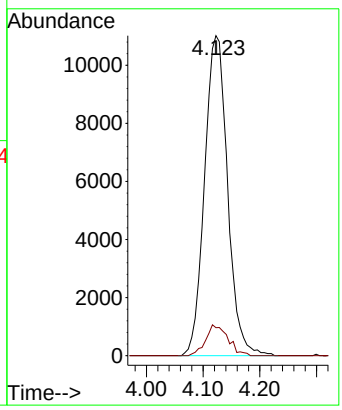





#17
Carbon Disulfide
Concen: 6.417 ug/l
RT: 4.123 min Scan# 3
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 76 Resp: 3106

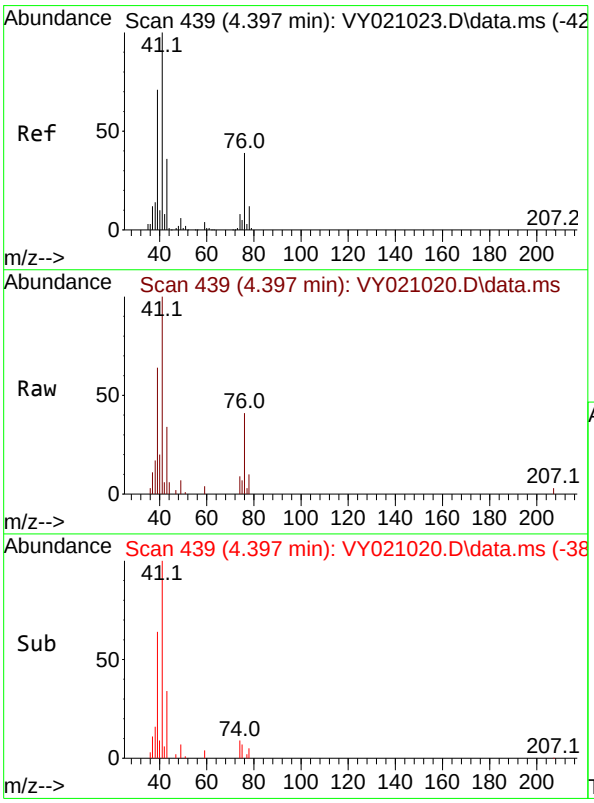
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.3 | 10.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

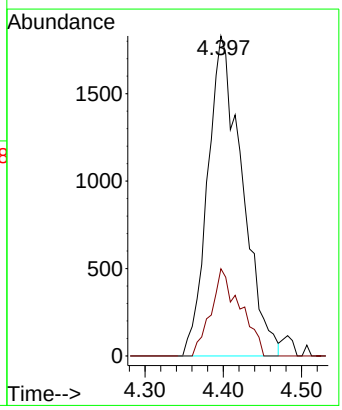
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

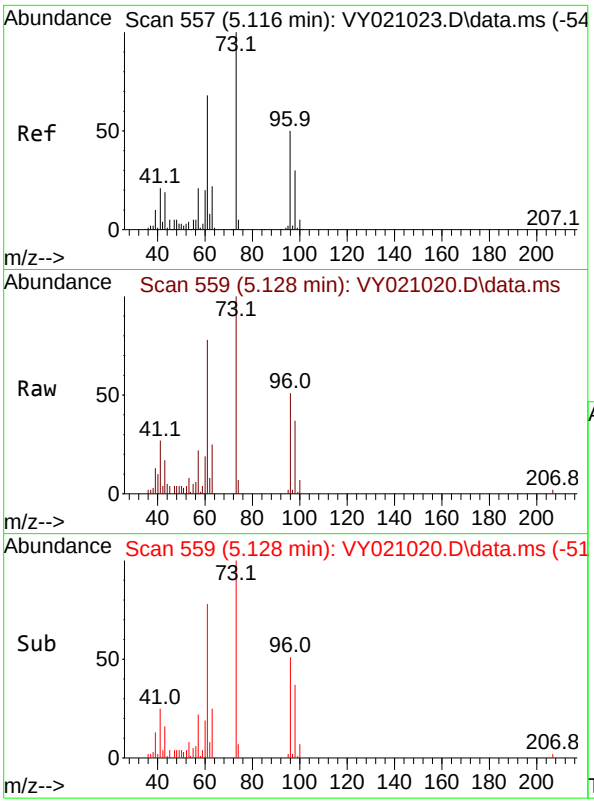



#18
Methyl Acetate
Concen: 7.397 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 5577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.4 | 22.2 | 33.4 |

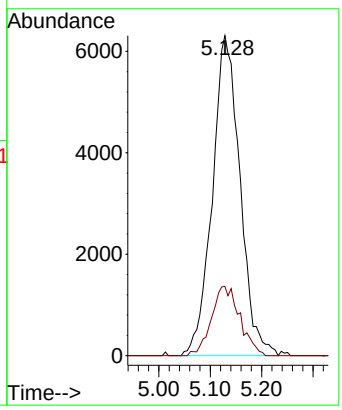





#19
Methyl tert-butyl Ether
Concen: 6.452 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 73 Resp: 2360

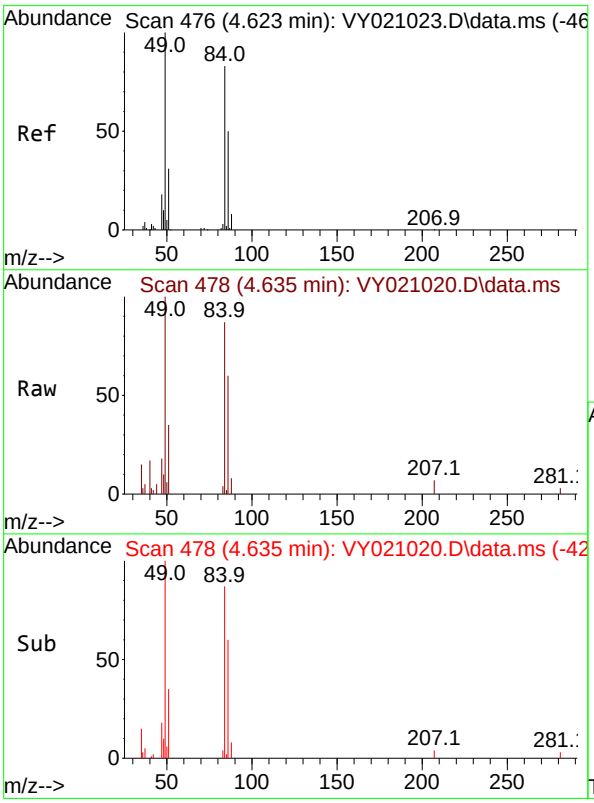
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 16.6 | 25.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

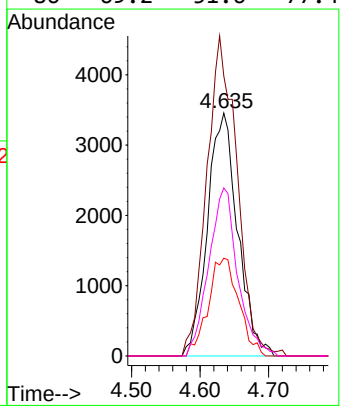
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

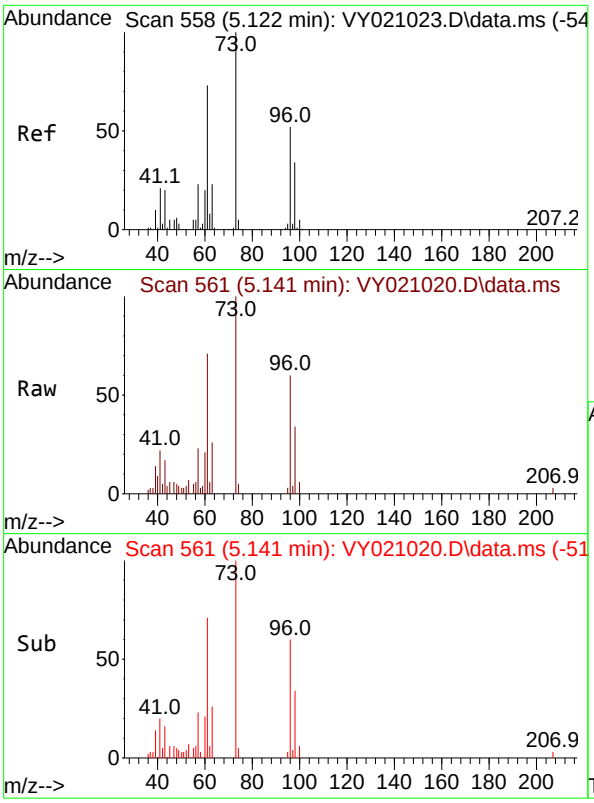



#20
Methylene Chloride
Concen: 6.661 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 84 Resp: 10585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 115.3 | 88.3 | 132.5 |
| 51 | 40.2 | 27.7 | 41.5 |
| 86 | 69.2 | 51.6 | 77.4 |

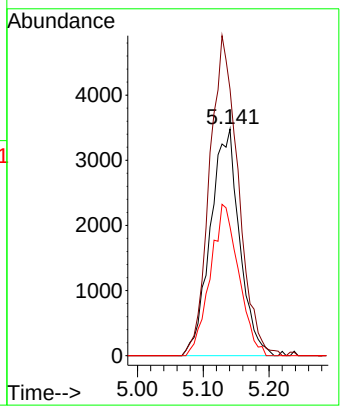





#21
trans-1,2-Dichloroethene
Concen: 6.364 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 1072

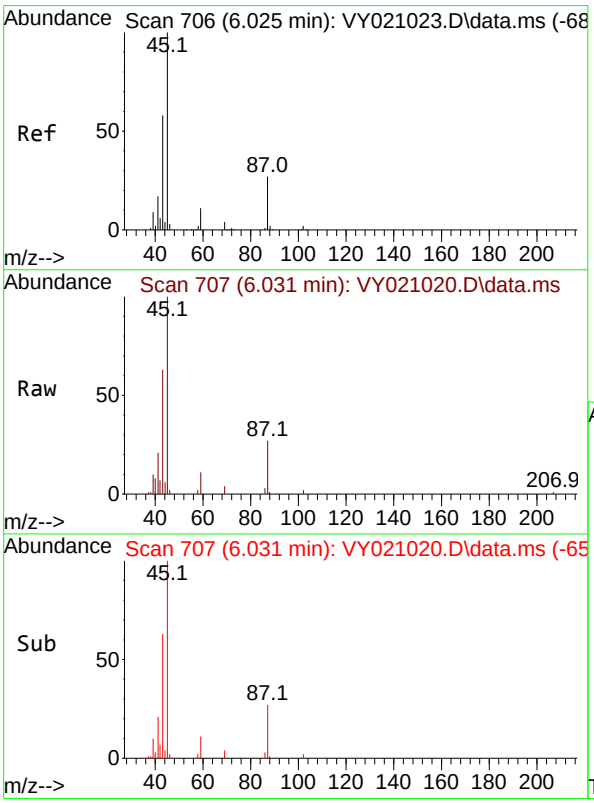
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 117.6 | 101.5 | 152.3 |
| 98 | 56.8 | 52.0 | 78.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

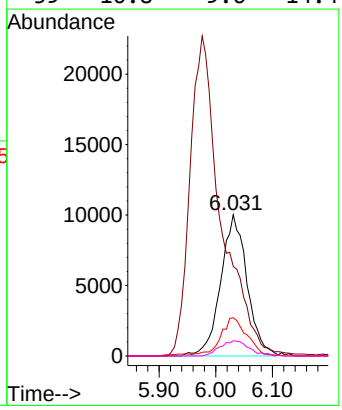
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

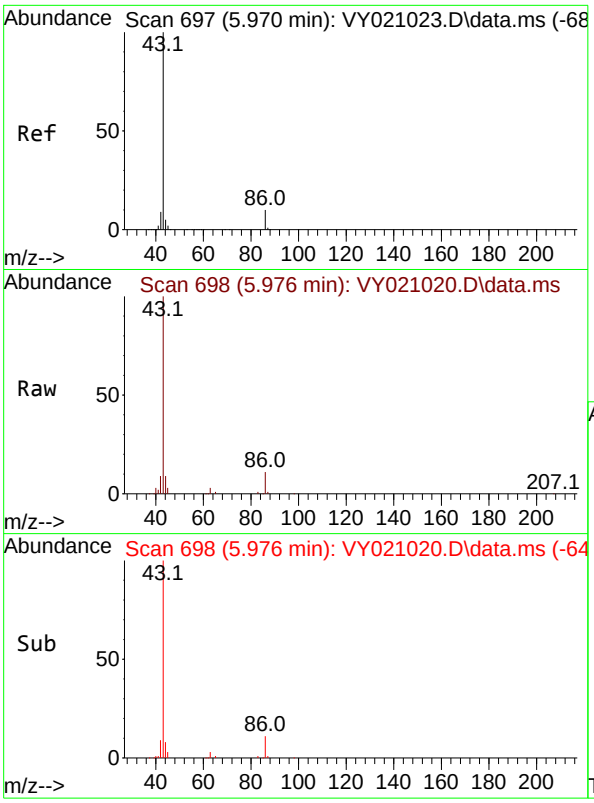



#22
Diisopropyl ether
Concen: 7.329 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 45 Resp: 32323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 60.4 | 45.1 | 67.7 |
| 87 | 26.3 | 25.0 | 37.4 |
| 59 | 10.8 | 9.6 | 14.4 |






#23
Vinyl Acetate
Concen: 35.621 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 9.7 | 14.5 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

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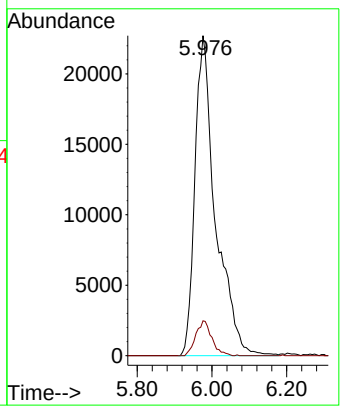
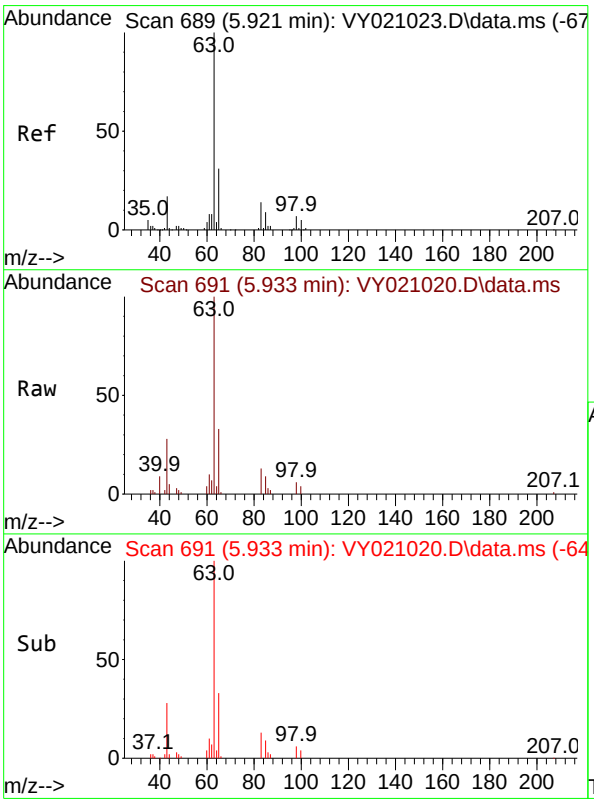
Supervised By :Semsettin Yesilyurt 02/04/2025

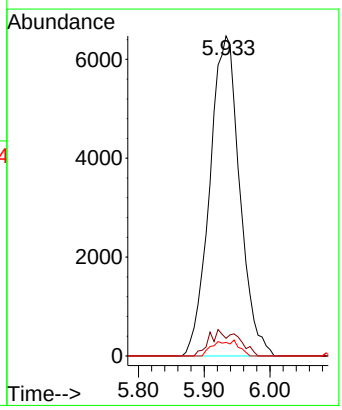


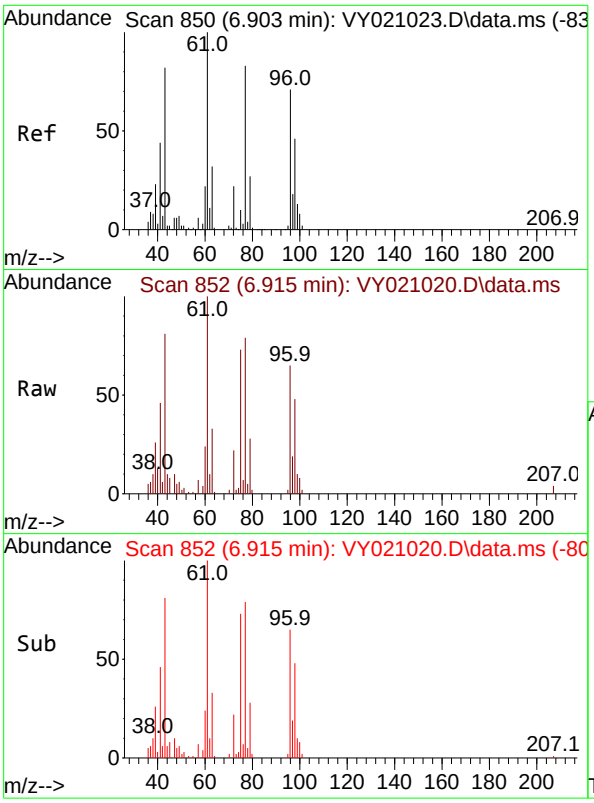




#24
1,1-Dichloroethane
Concen: 7.202 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 20490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 5.5 | 3.7 | 11.1 |
| 100 | 4.3 | 2.4 | 7.2 |






#25
2-Butanone
Concen: 34.105 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

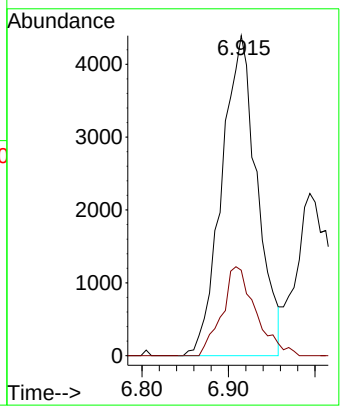
Tgt Ion: 43 Resp: 1246

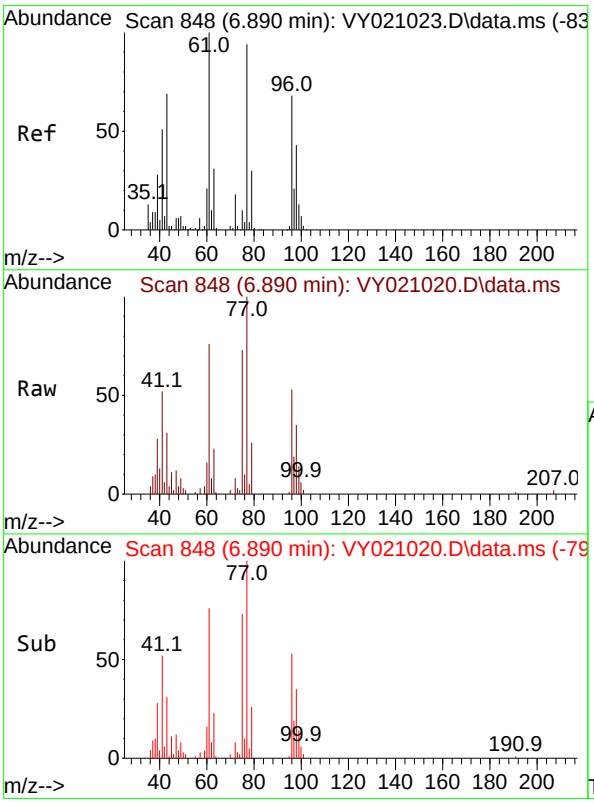
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.7 | 24.3 | 36.5 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

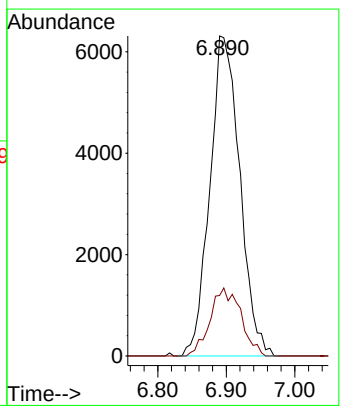


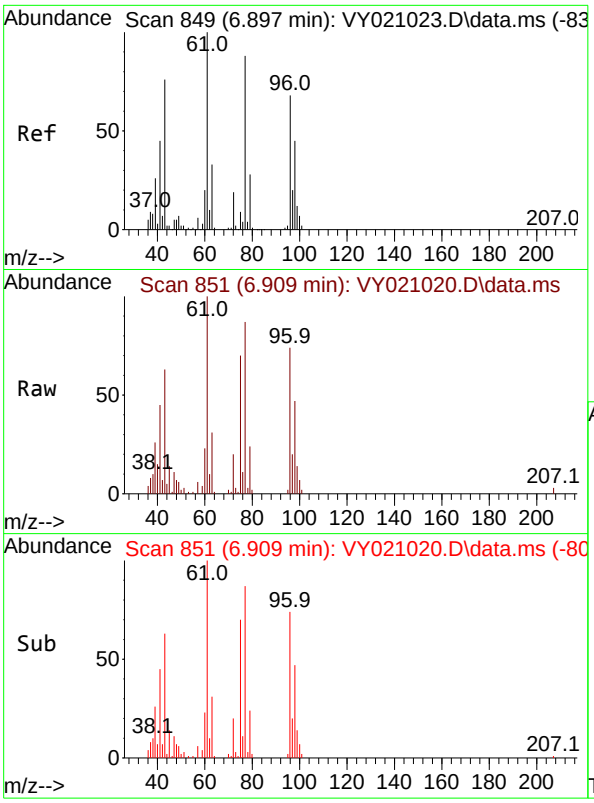




#26
2,2-Dichloropropane
Concen: 6.834 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 77 Resp: 19144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.9 | 11.4 | 34.2 |

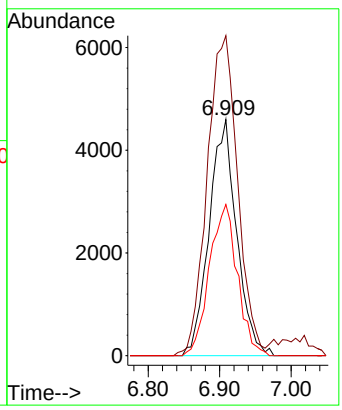





#27
cis-1,2-Dichloroethene
Concen: 6.350 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 1229

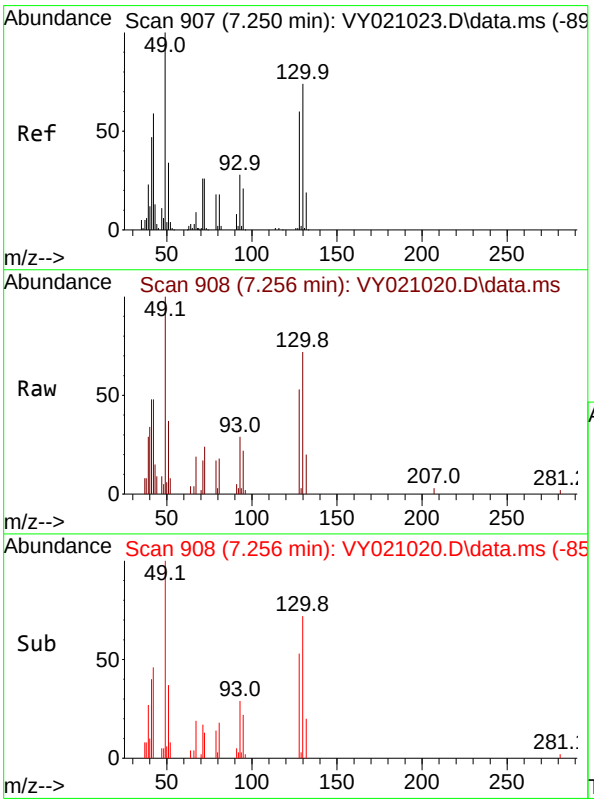
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.2 | 0.0 | 274.0 |
| 98 | 65.1 | 0.0 | 130.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

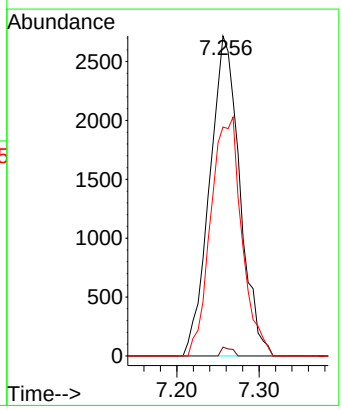
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

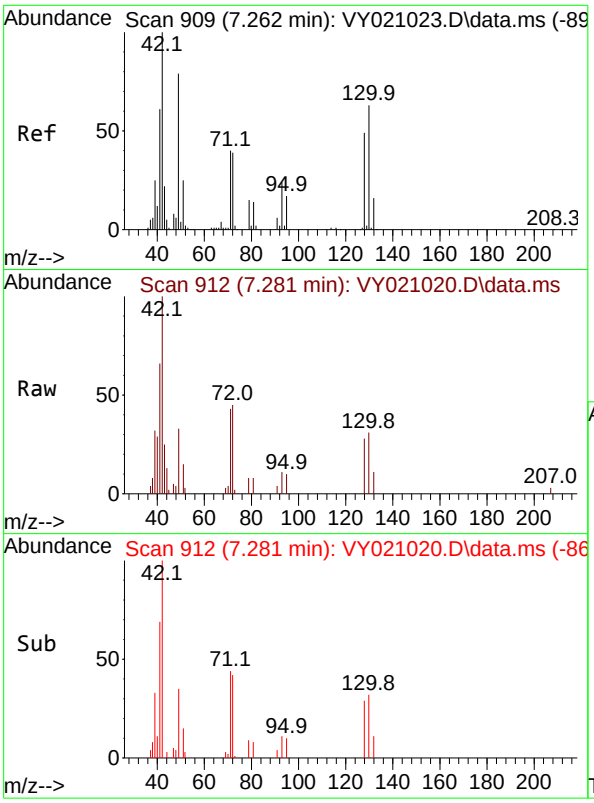



#28
Bromochloromethane
Concen: 6.527 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 49 Resp: 6919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.0 | 0.0 | 5.0 |
| 130 | 76.6 | 73.2 | 109.8 |

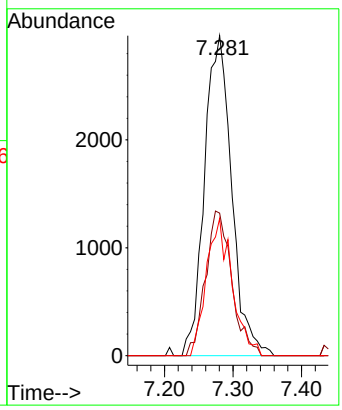





#29
Tetrahydrofuran
Concen: 33.310 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 42 Resp: 819

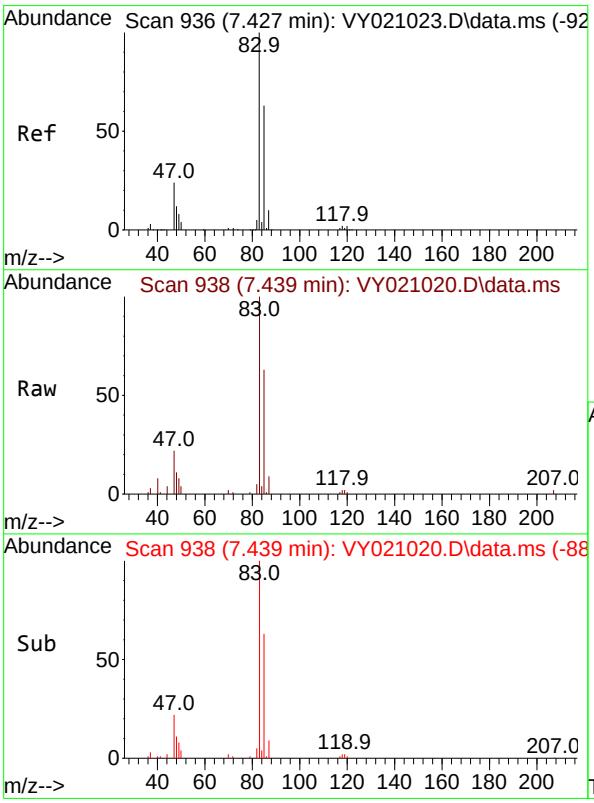
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.4 | 39.3 | 58.9 |
| 71 | 40.6 | 36.1 | 54.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

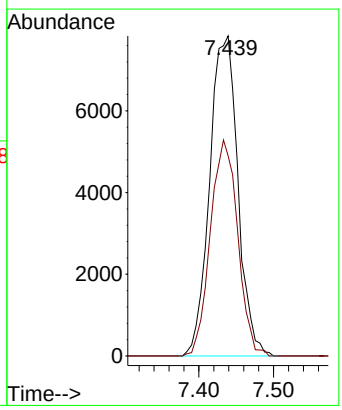
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

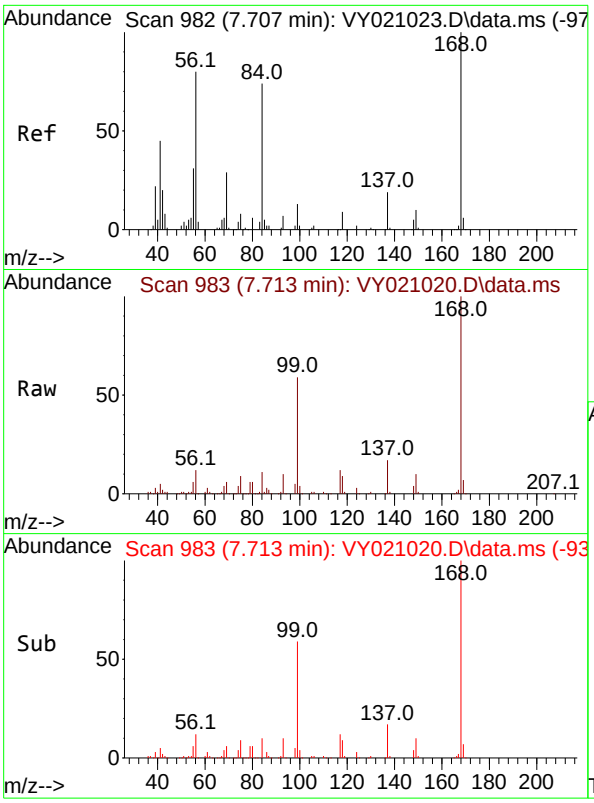



#30
Chloroform
Concen: 6.669 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 20552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 52.9 | 79.3 |






#31
Cyclohexane
Concen: 7.295 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

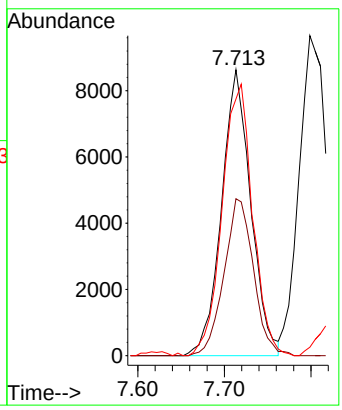
Tgt Ion: 56 Resp: 2028

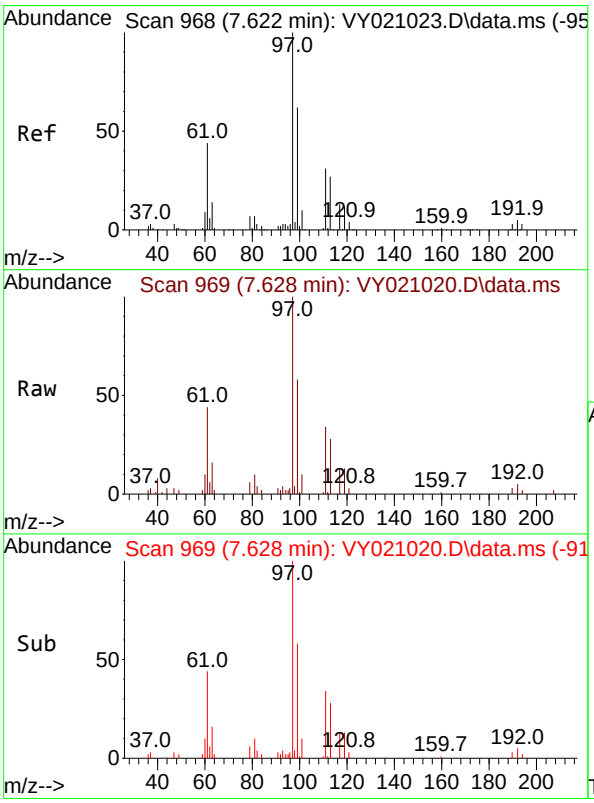
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 54.9 | 27.7 | 41.5# |
| 84 | 88.9 | 77.5 | 116.3 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

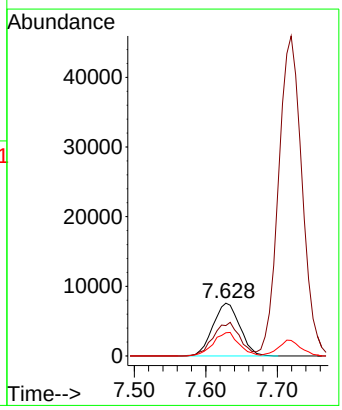


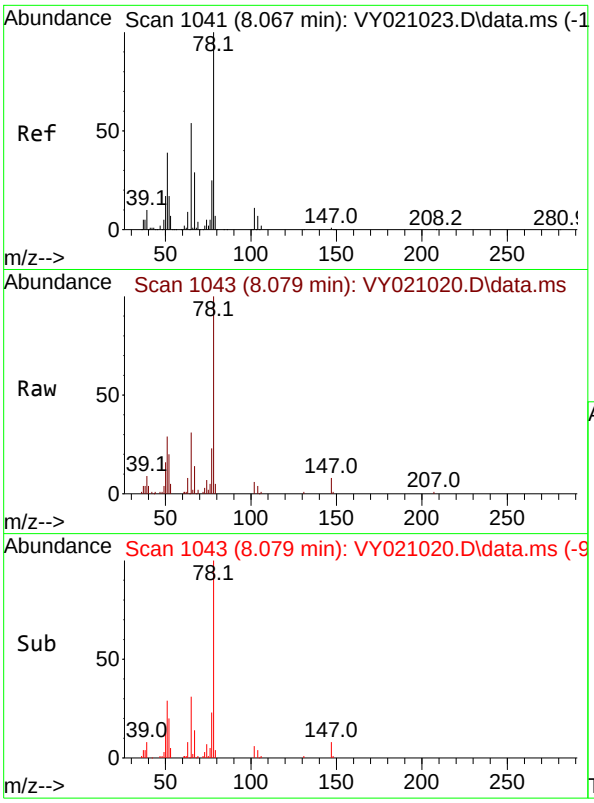




#32
1,1,1-Trichloroethane
Concen: 6.645 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 97 Resp: 19818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 51.4 | 77.0 |
| 61 | 42.5 | 31.4 | 47.0 |

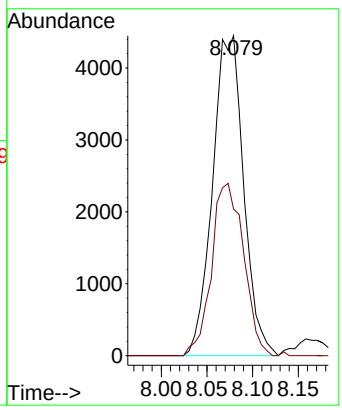





#33
1,2-Dichloroethane-d4
Concen: 6.651 ug/l
RT: 8.079 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 65 Resp: 1051

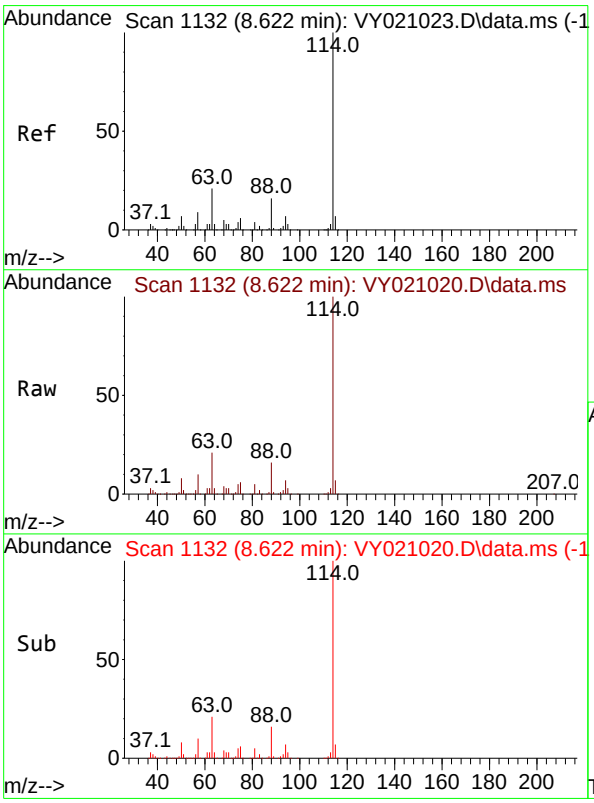
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.5 | 0.0 | 104.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

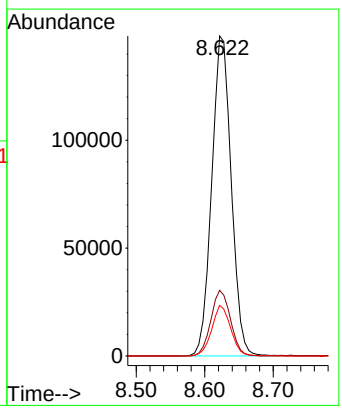
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

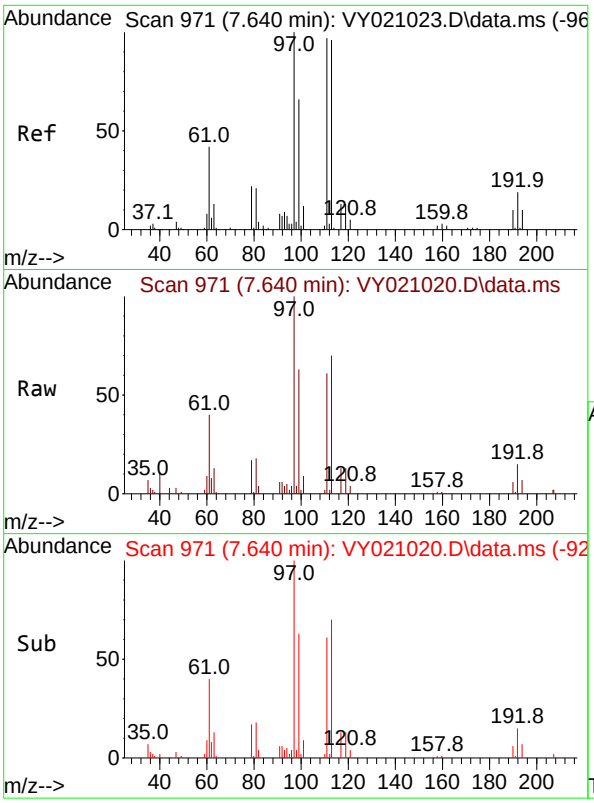



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:114 Resp: 293189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 37.2 |
| 88 | 15.8 | 0.0 | 29.6 |

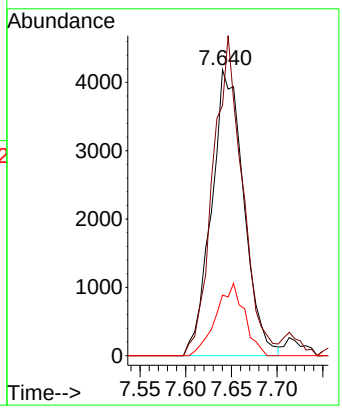





#35
Dibromofluoromethane
Concen: 5.840 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:113 Resp: 1029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.6 | 123.8 |
| 192 | 22.3 | 16.8 | 25.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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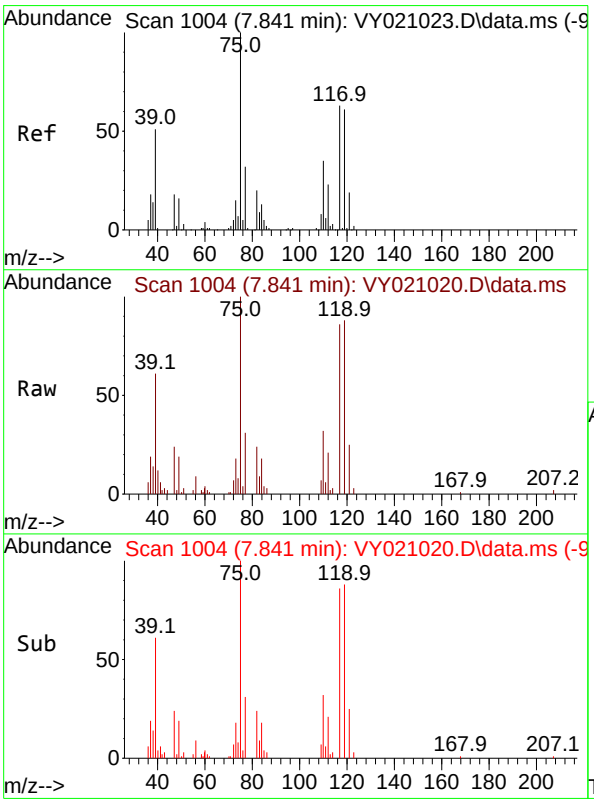
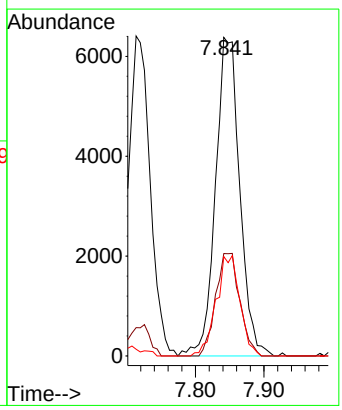
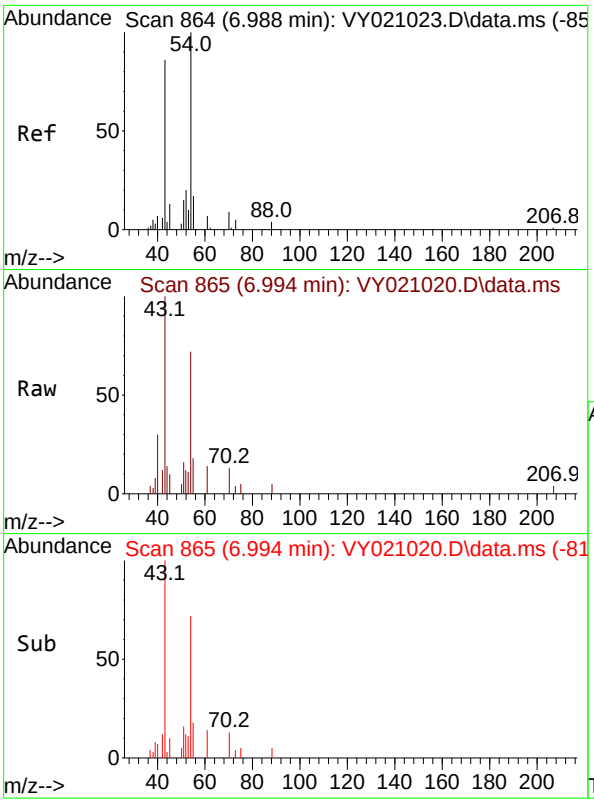



#36
1,1-Dichloropropene
Concen: 6.231 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 15667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 31.9 | 18.4 | 55.2 |
| 77 | 30.6 | 24.9 | 37.3 |






#37
Ethyl Acetate
Concen: 6.809 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 11.4 | 17.0# |
| 70 | 6.2 | 9.6 | 14.4# |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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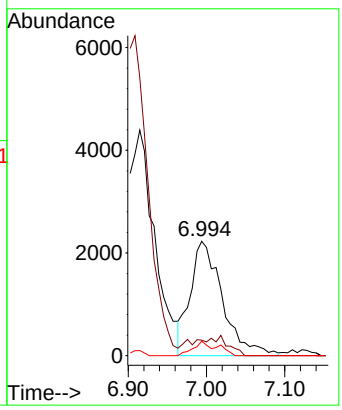
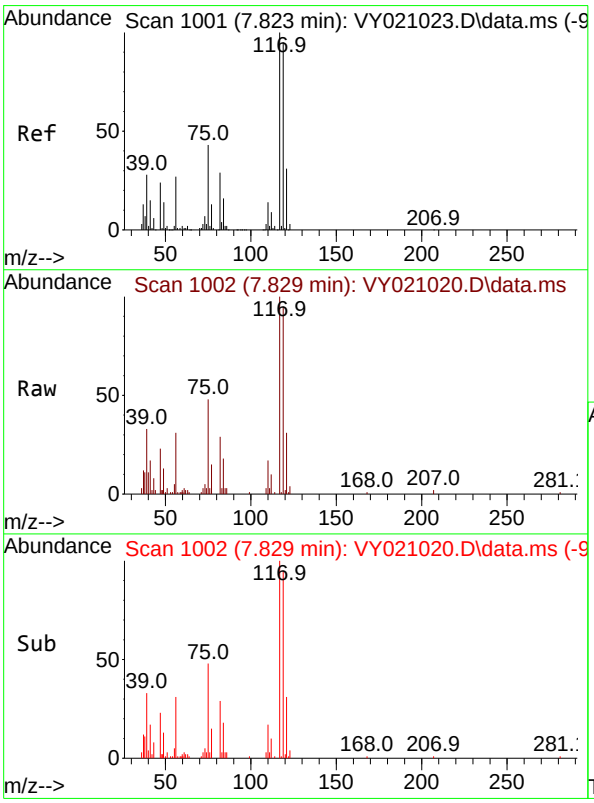
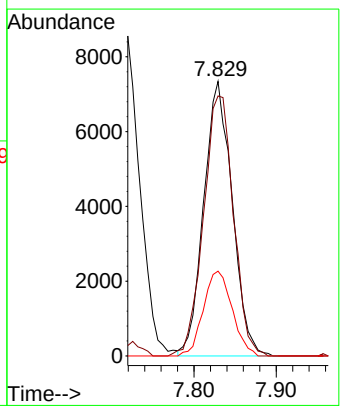


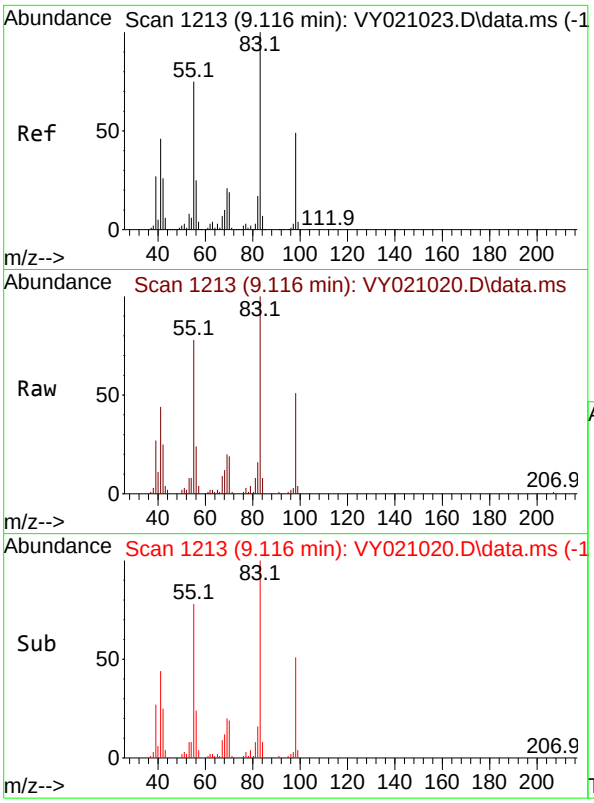




#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 17709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 75.0 | 112.6 |
| 121 | 30.9 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 5.287 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 1786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.6 | 54.9 | 82.3 |
| 98 | 51.3 | 40.5 | 60.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

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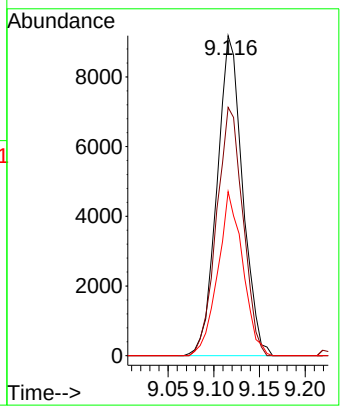
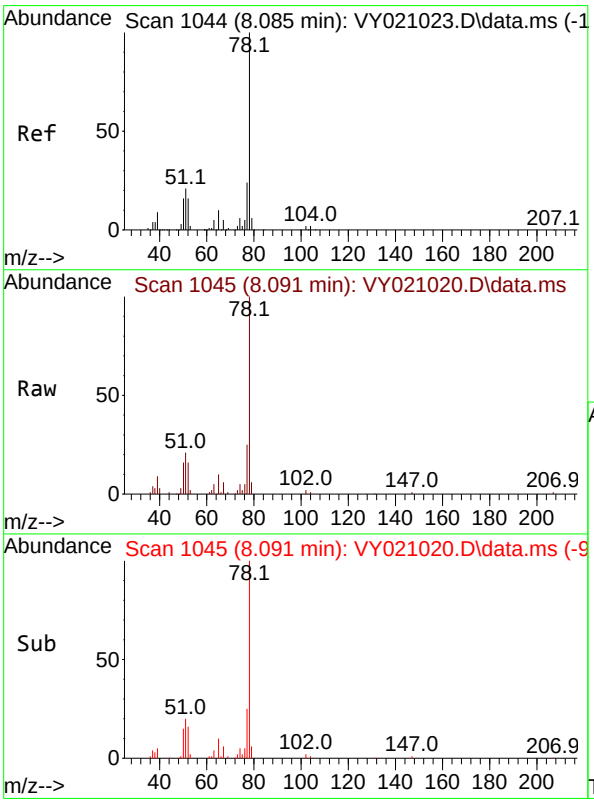
Supervised By :Semsettin Yesilyurt 02/04/2025

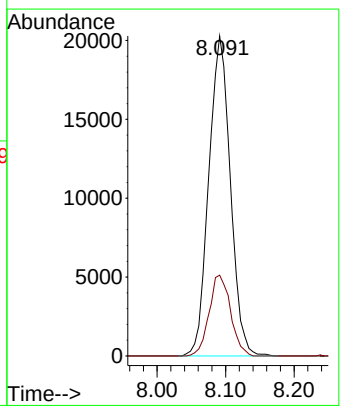


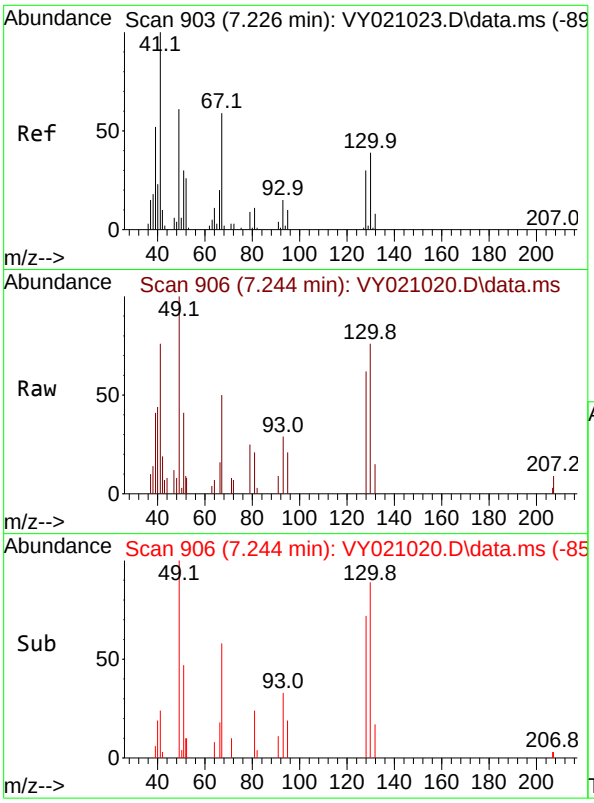




#40
Benzene
Concen: 5.991 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 78 Resp: 44324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.2 | 19.4 | 29.2 |

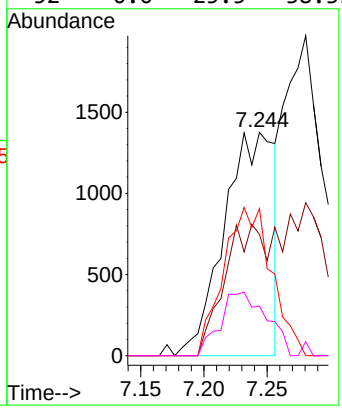





#41
Methacrylonitrile
Concen: 7.345 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 381

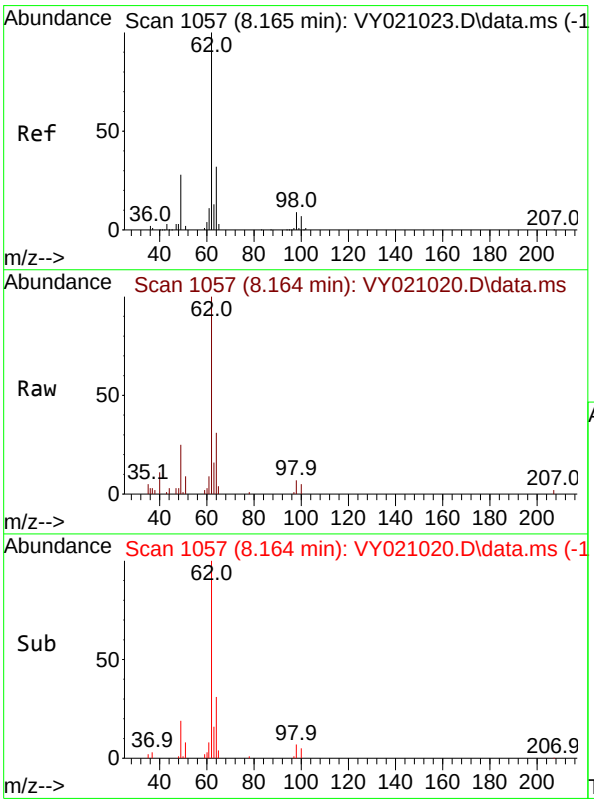
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 41.6 | 62.4# |
| 67 | 0.0 | 63.8 | 95.6# |
| 52 | 0.0 | 25.5 | 38.3# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

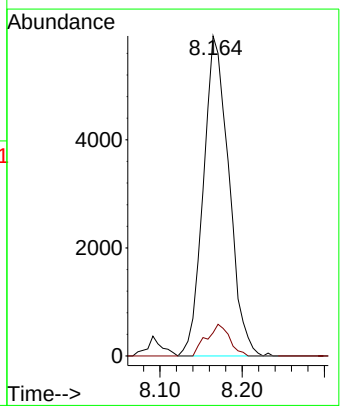
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

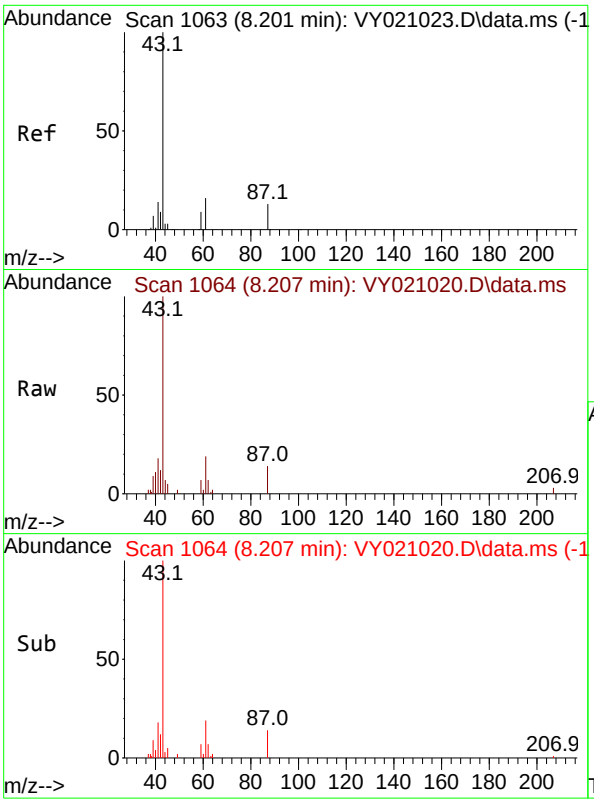



#42
1,2-Dichloroethane
Concen: 6.801 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 62 Resp: 12762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 19.4 |






#43
Isopropyl Acetate
Concen: 6.321 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

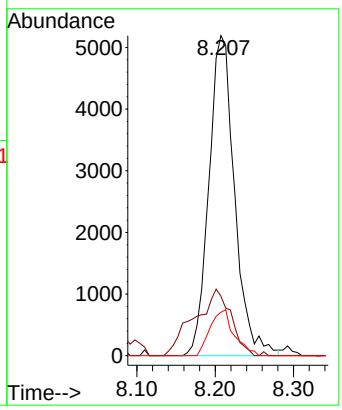
Tgt Ion: 43 Resp: 1183

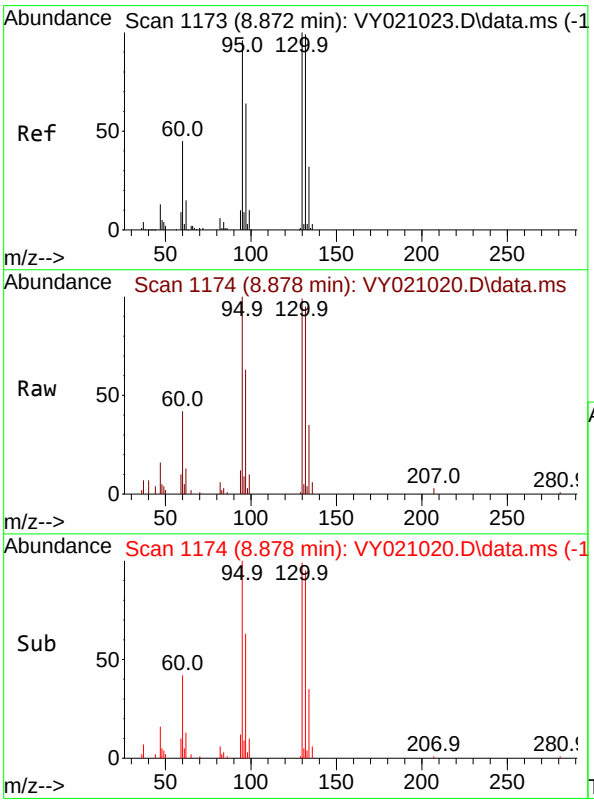
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 29.5 | 15.8 | 23.6 |
| 87 | 13.3 | 12.5 | 18.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

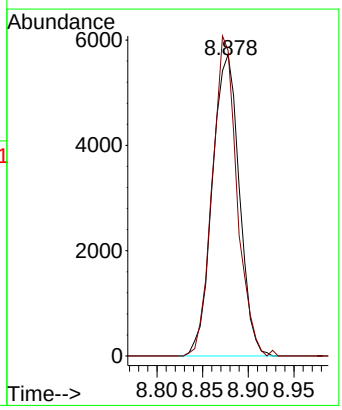


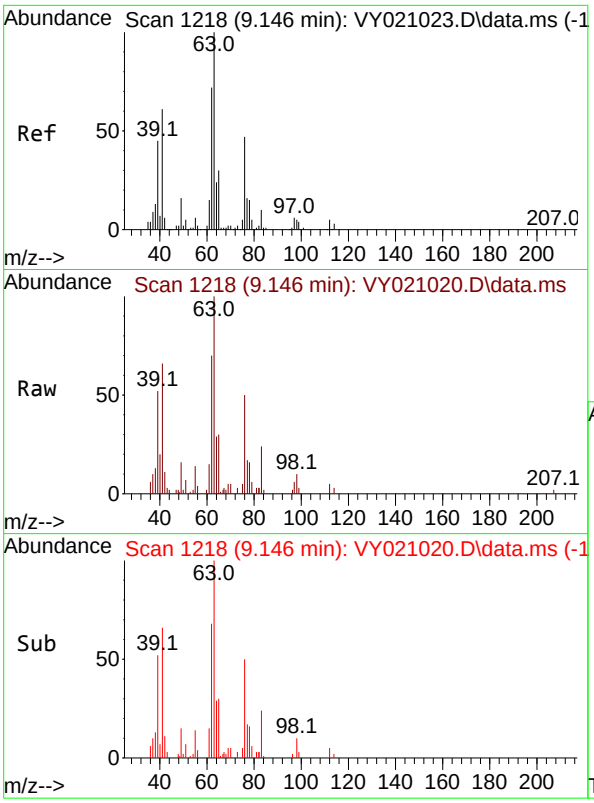




#44
Trichloroethene
Concen: 5.756 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:130 Resp: 11751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.2 | 0.0 | 189.6 |

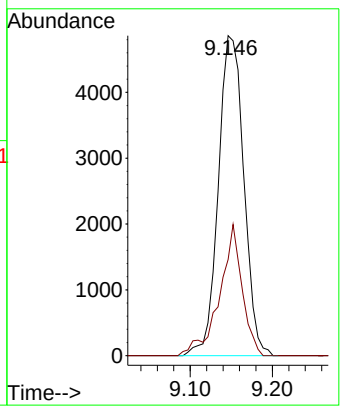





#45
1,2-Dichloropropane
Concen: 6.318 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 1047

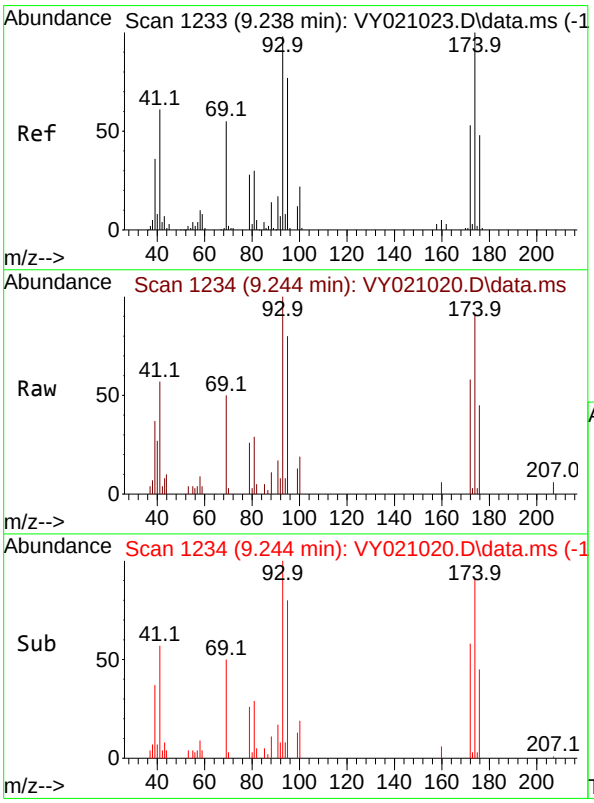
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.1 | 23.6 | 35.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

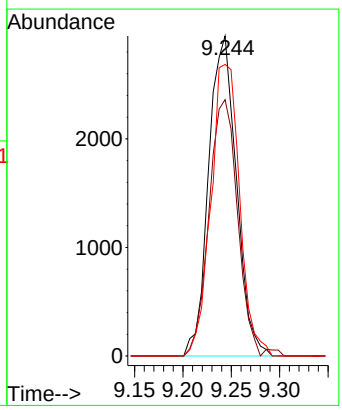
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

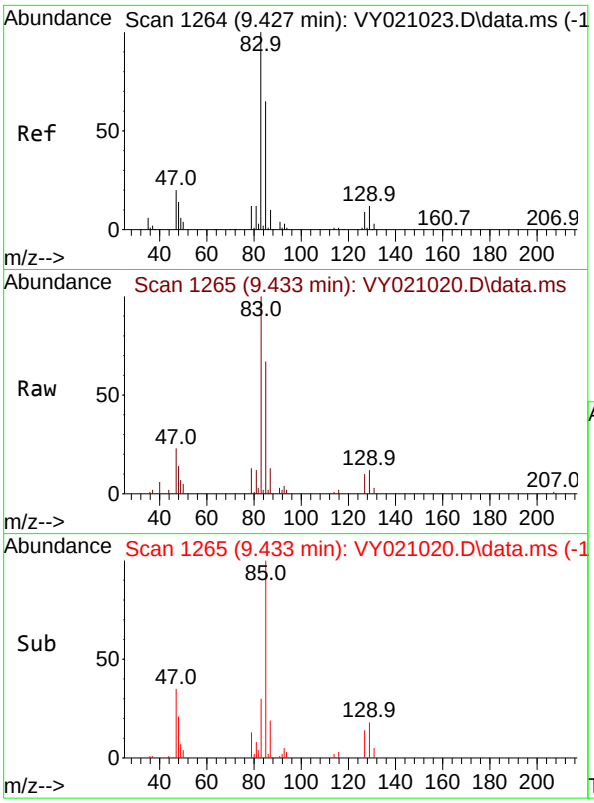



#46
Dibromomethane
Concen: 6.098 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 93 Resp: 5885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.6 | 65.8 | 98.8 |
| 174 | 94.4 | 88.1 | 132.1 |






#47
Bromodichloromethane
Concen: 6.107 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 1547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.5 | 49.6 | 74.4 |
| 127 | 9.6 | 7.1 | 10.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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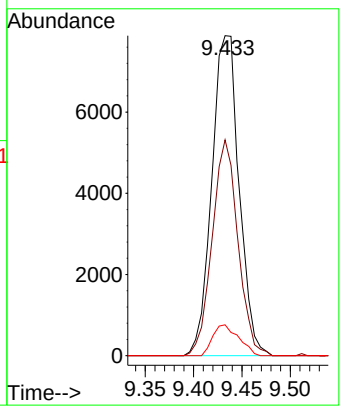
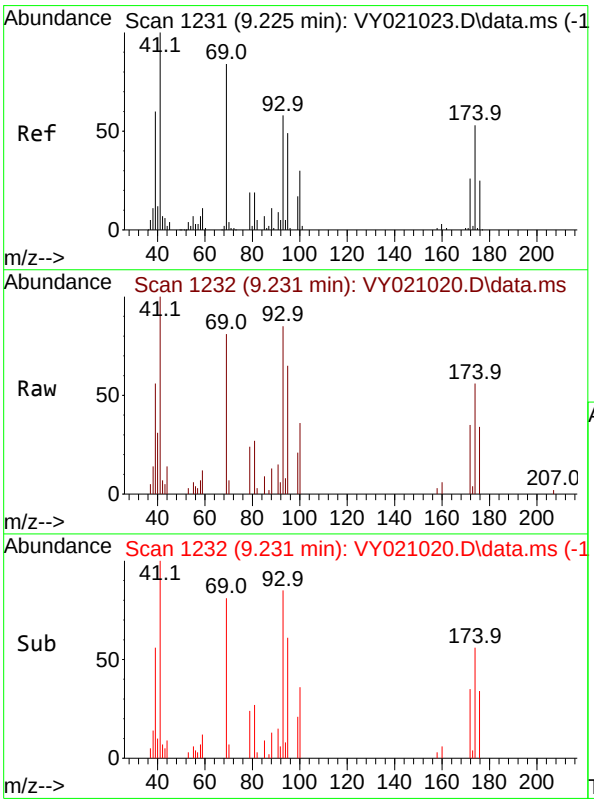
Supervised By :Semsettin Yesilyurt 02/04/2025

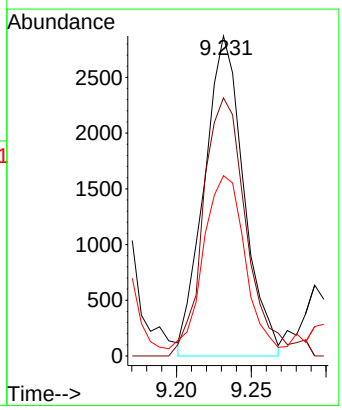


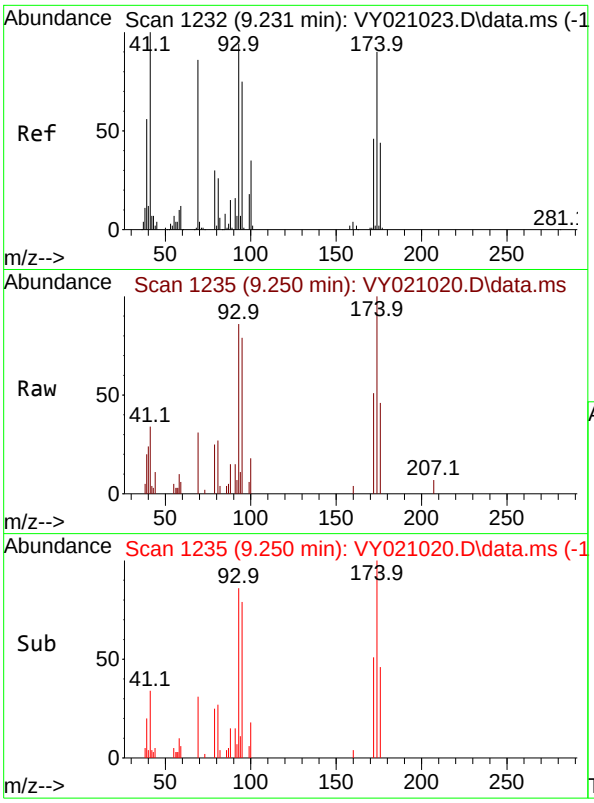




#48
Methyl methacrylate
Concen: 5.922 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 5280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 88.4 | 75.6 | 113.4 |
| 39 | 56.6 | 41.3 | 61.9 |






#49
1,4-Dioxane
Concen: 91.663 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

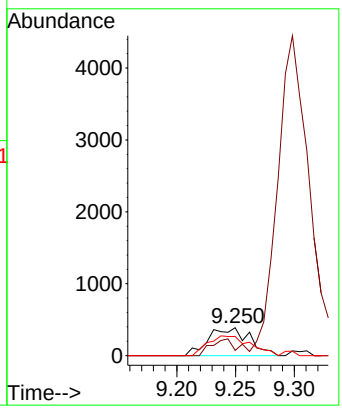
Tgt Ion: 88 Resp: 94

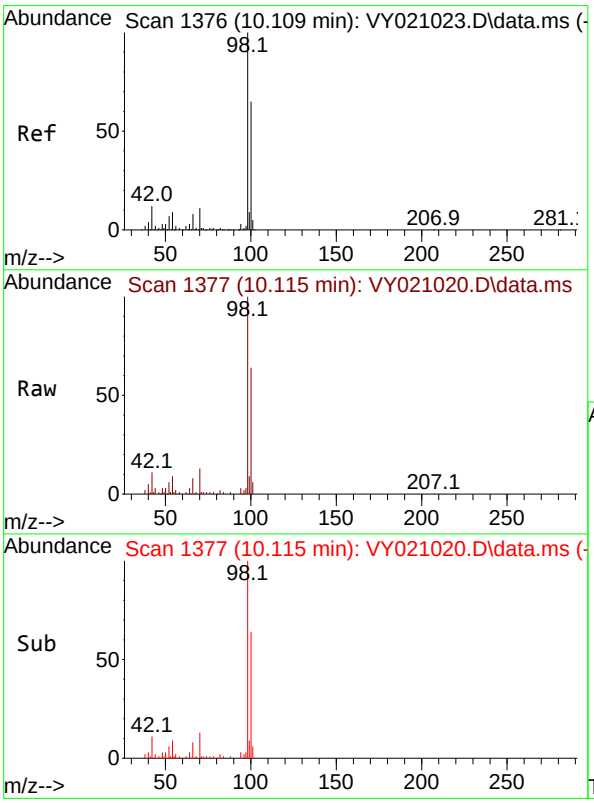
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.6 | 24.2 | 36.4 |
| 58 | 73.5 | 57.3 | 85.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

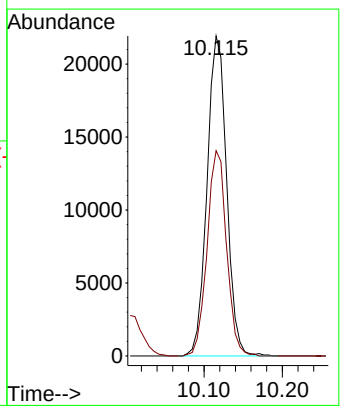


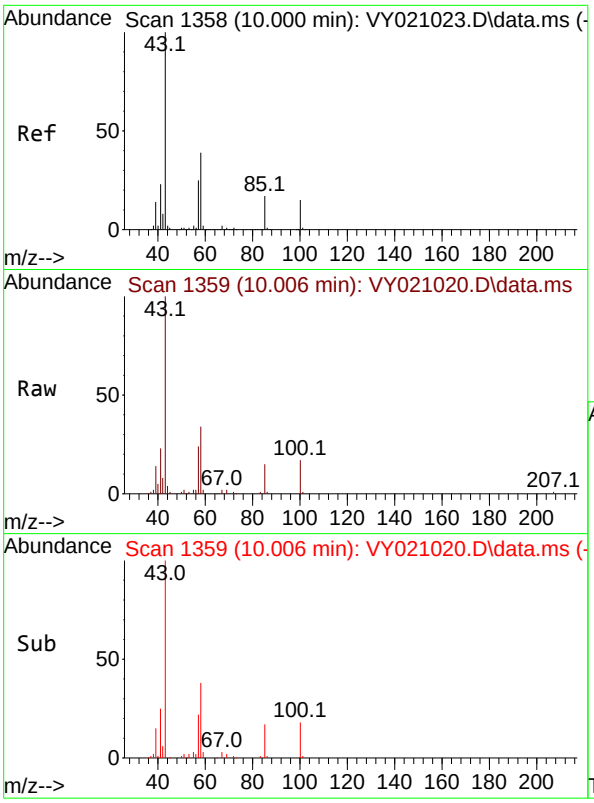




#50
Toluene-d8
Concen: 5.520 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 98 Resp: 37973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 52.6 | 79.0 |

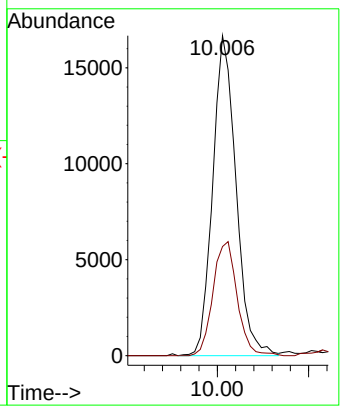





#51
4-Methyl-2-Pentanone
Concen: 30.730 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 2957

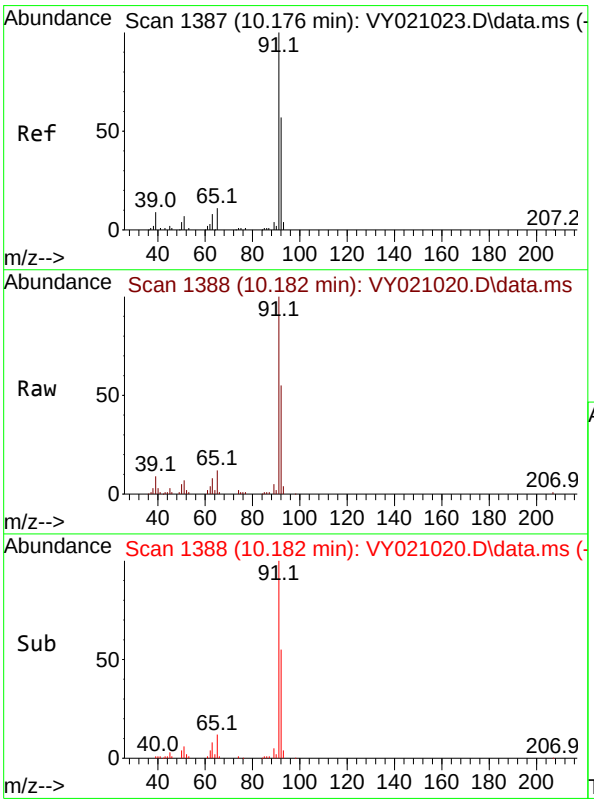
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 33.8 | 50.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

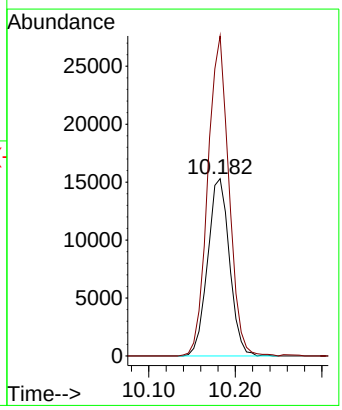
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

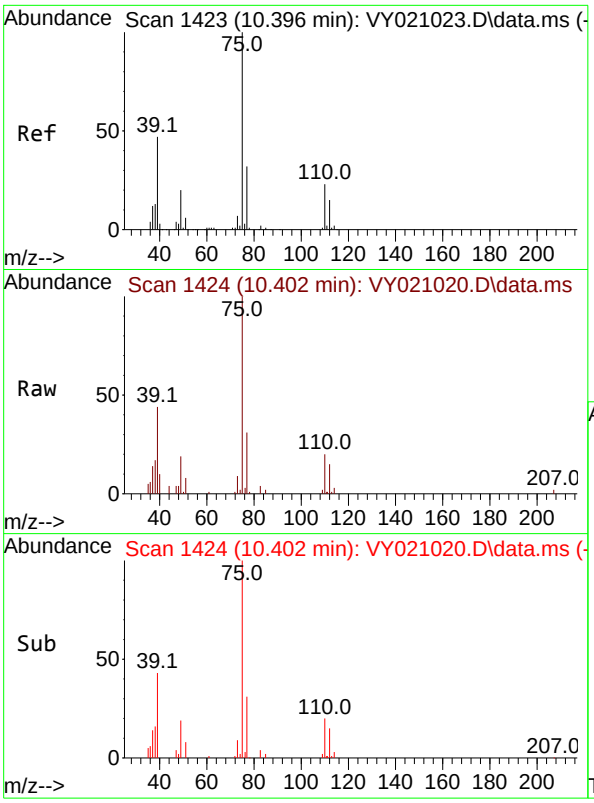



#52
Toluene
Concen: 5.572 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 92 Resp: 26760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.8 | 135.8 | 203.8 |

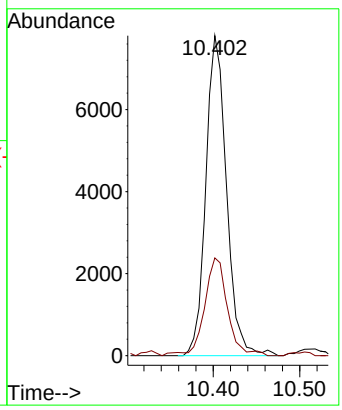





#53
t-1,3-Dichloropropene
Concen: 5.639 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 1293

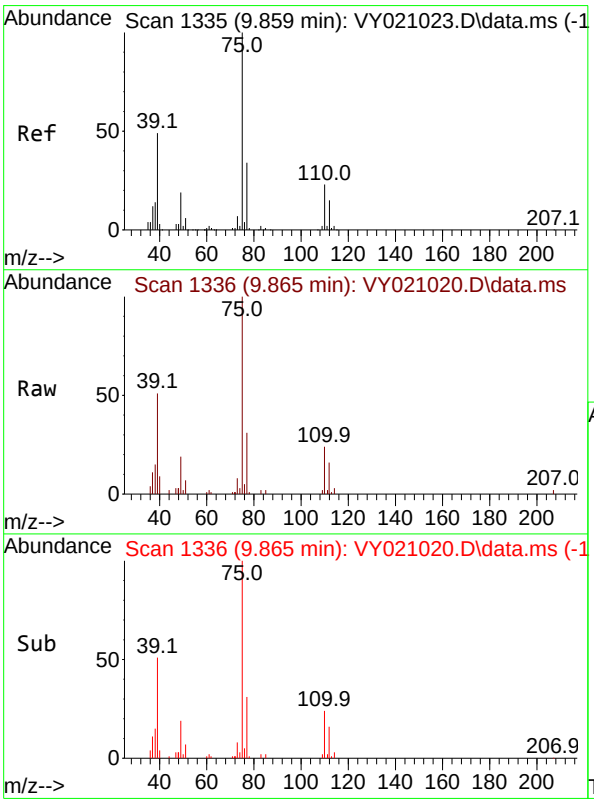
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

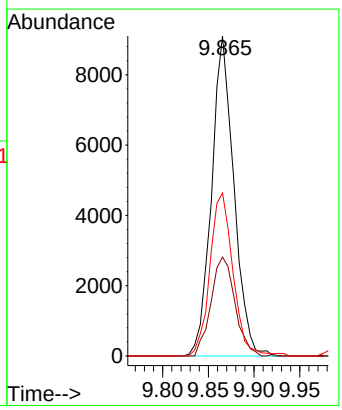
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

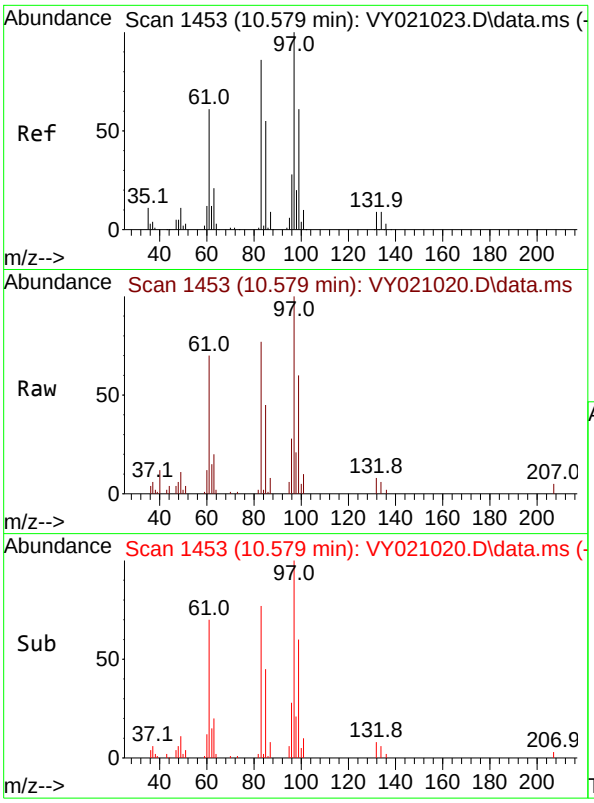



#54
cis-1,3-Dichloropropene
Concen: 5.650 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 15488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.4 | 38.0 |
| 39 | 50.9 | 32.2 | 48.2# |

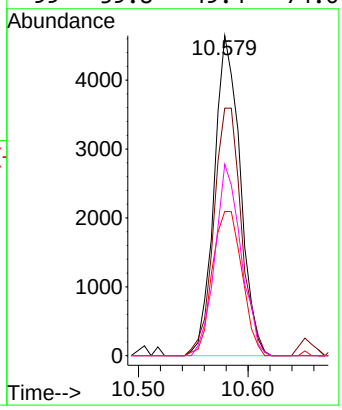





#55
1,1,2-Trichloroethane
Concen: 5.961 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 97 Resp: 765

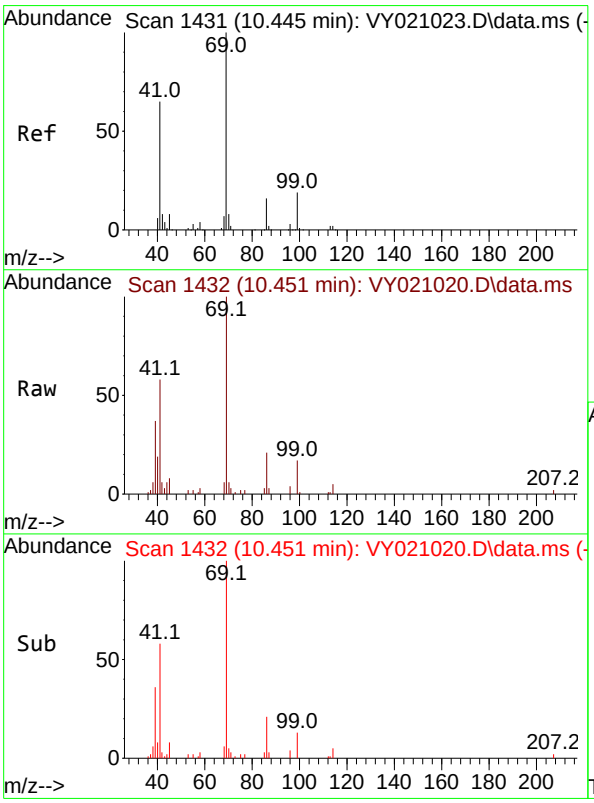
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 77.3 | 67.7 | 101.5 |
| 85 | 45.1 | 43.4 | 65.2 |
| 99 | 59.8 | 49.4 | 74.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

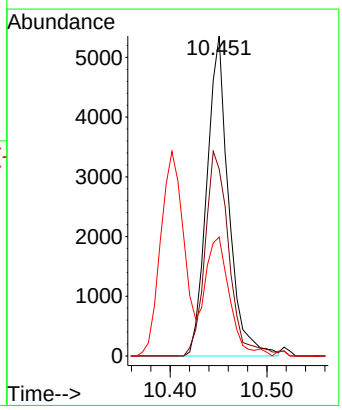
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

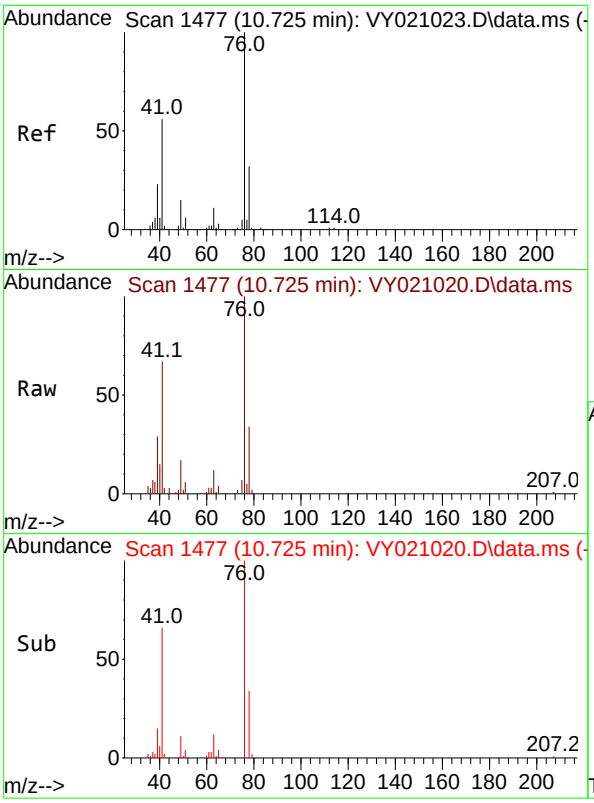



#56
Ethyl methacrylate
Concen: 5.018 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 69 Resp: 8418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.1 | 46.3 | 69.5# |
| 39 | 41.3 | 24.5 | 36.7# |

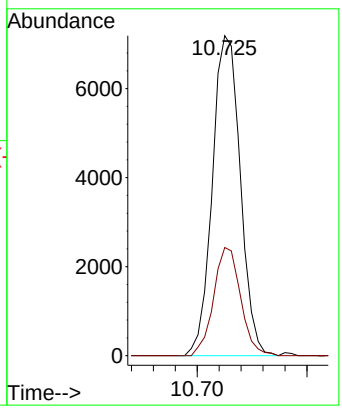





#57
1,3-Dichloropropane
Concen: 5.845 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 76 Resp: 1271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 25.8 | 38.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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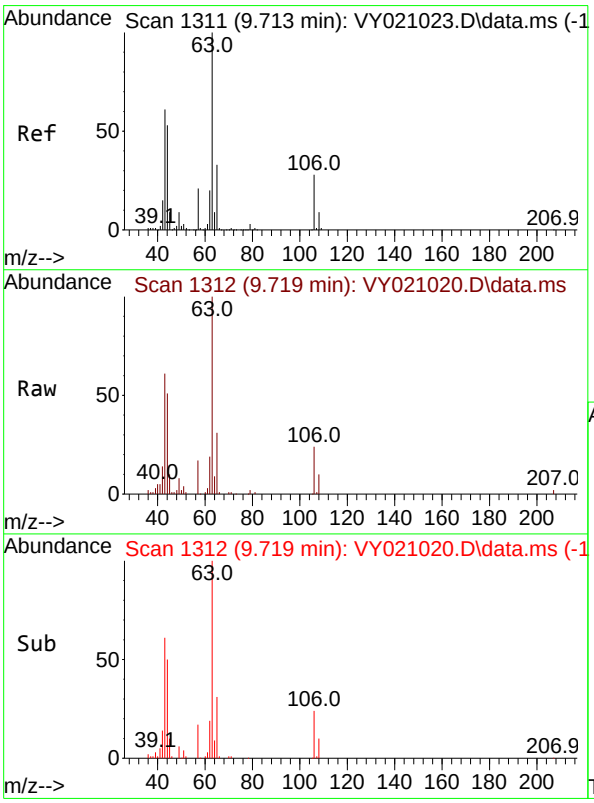
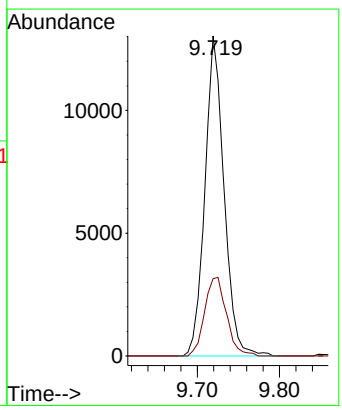
Supervised By :Semsettin Yesilyurt 02/04/2025

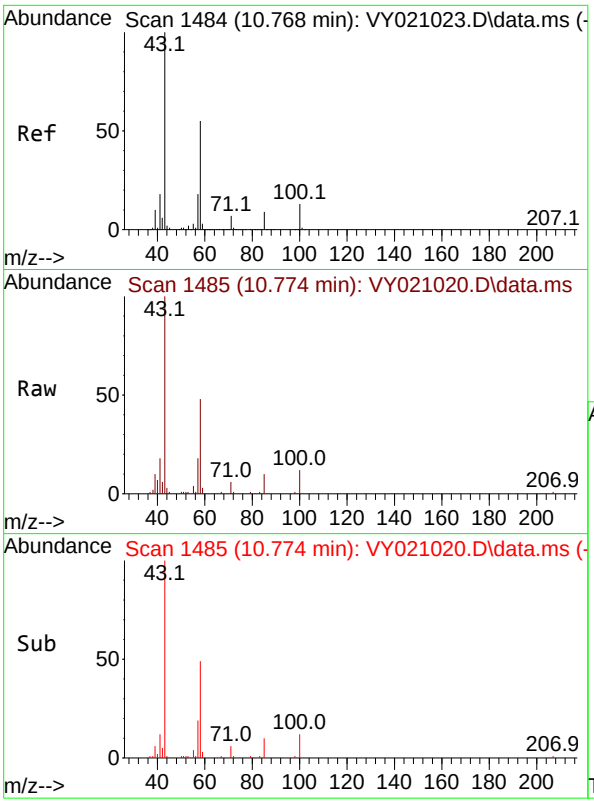



#58
2-Chloroethyl Vinyl ether
Concen: 29.542 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 21035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.1 | 24.7 | 37.1 |

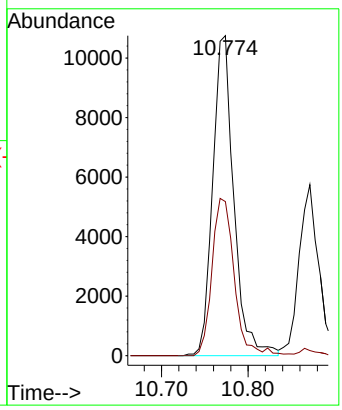





#59
2-Hexanone
Concen: 29.030 ug/l
RT: 10.774 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 1815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.9 | 29.8 | 89.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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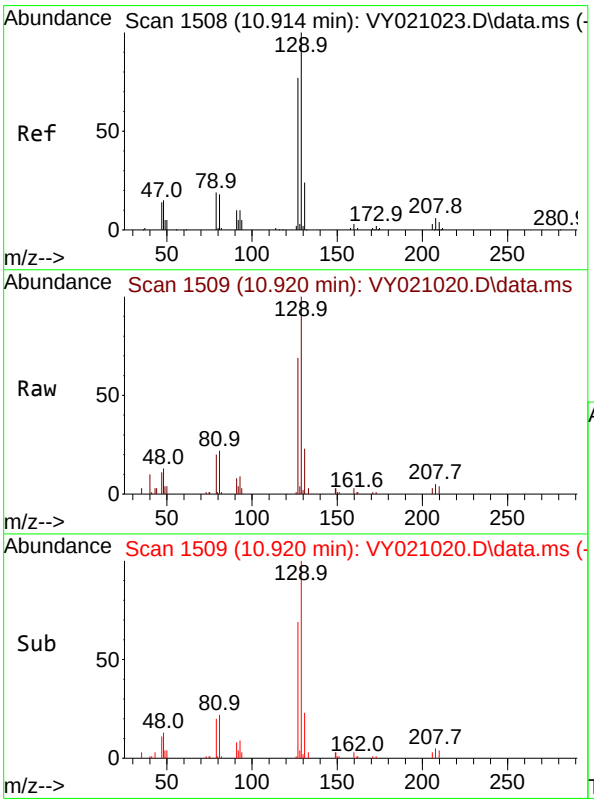
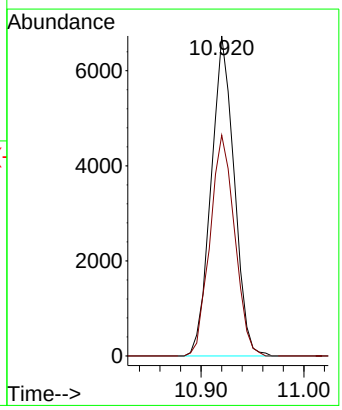
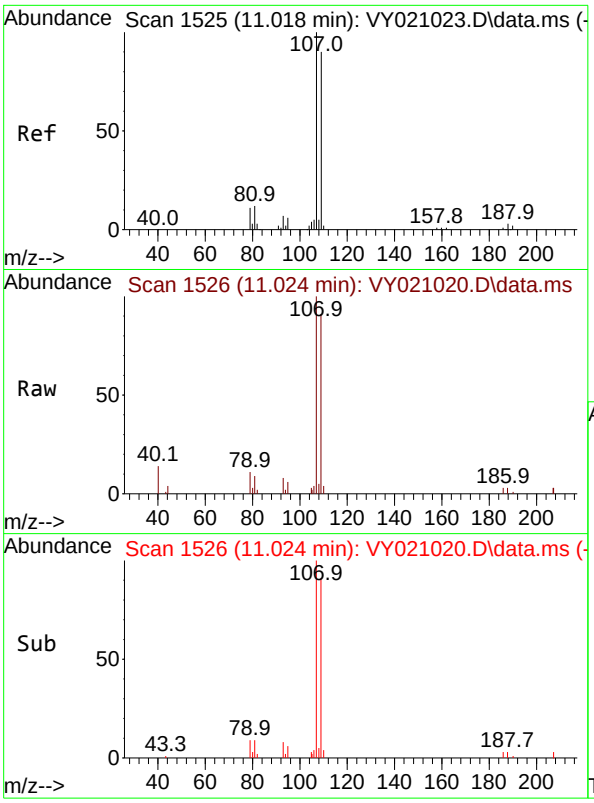



#60
Dibromochloromethane
Concen: 5.744 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:129 Resp: 10511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 73.5 | 38.5 | 115.3 |

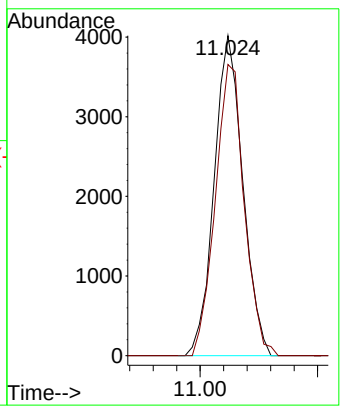





#61
1,2-Dibromoethane
Concen: 5.555 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:107 Resp: 681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.9 | 76.6 | 114.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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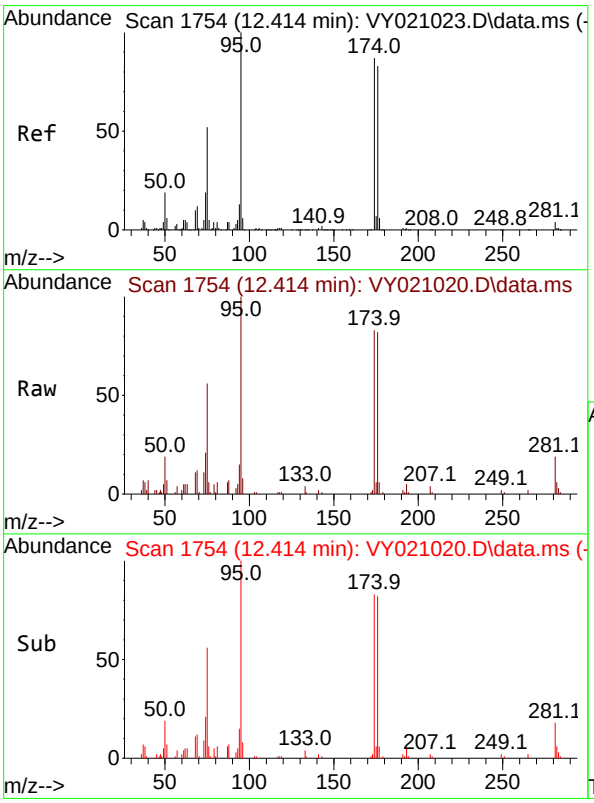
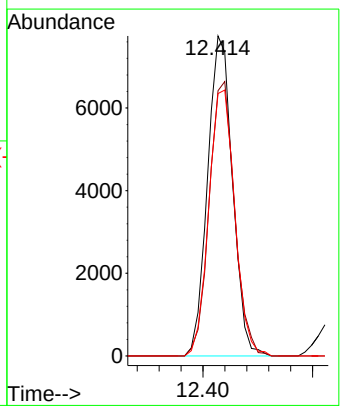
Supervised By :Semsettin Yesilyurt 02/04/2025

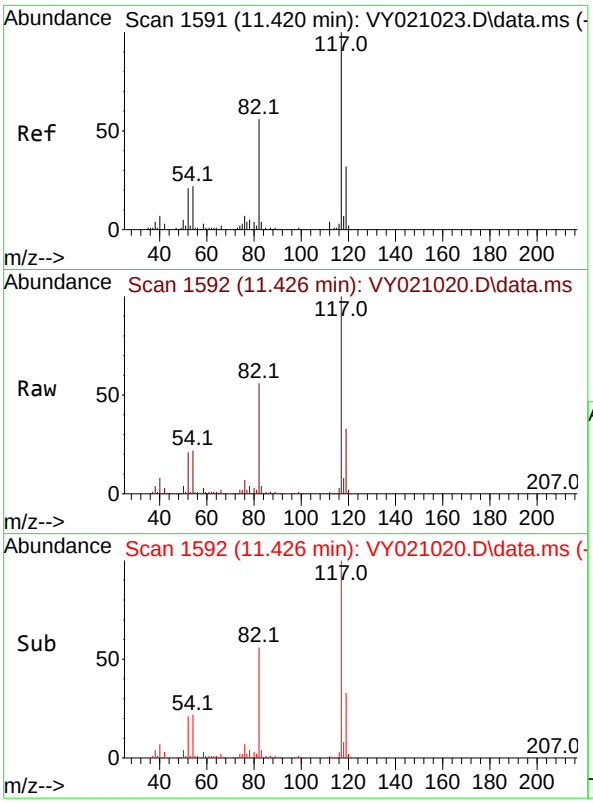



#62
4-Bromofluorobenzene
Concen: 5.301 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 95 Resp: 12237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 87.1 | 0.0 | 181.2 |
| 176 | 86.6 | 0.0 | 175.2 |

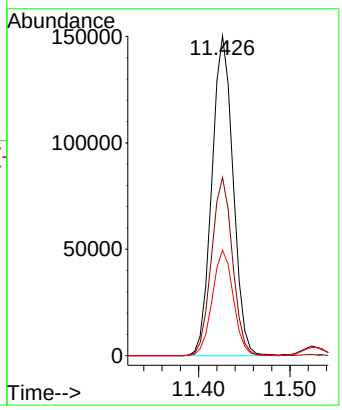





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 24225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 44.2 | 66.2 |
| 119 | 33.0 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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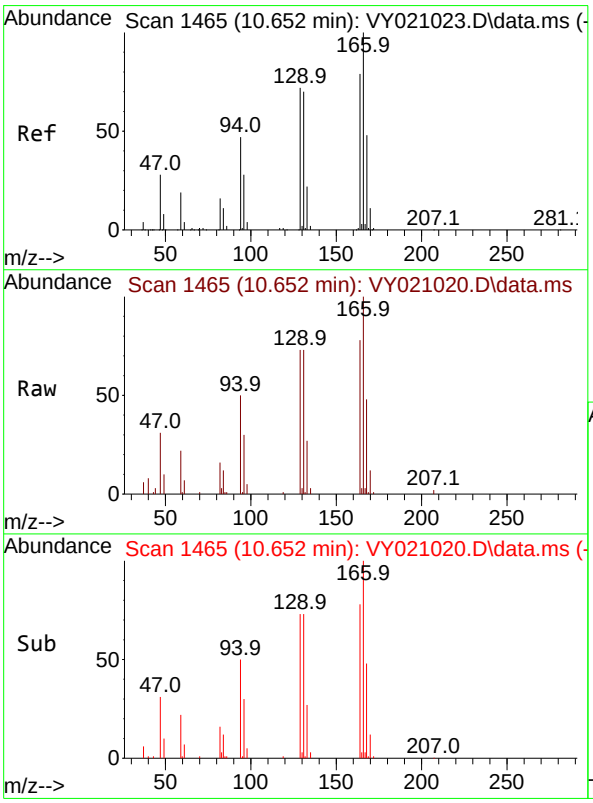
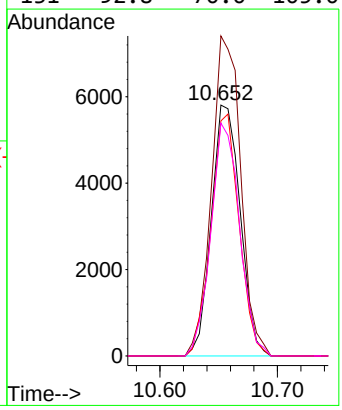
Supervised By :Semsettin Yesilyurt 02/04/2025

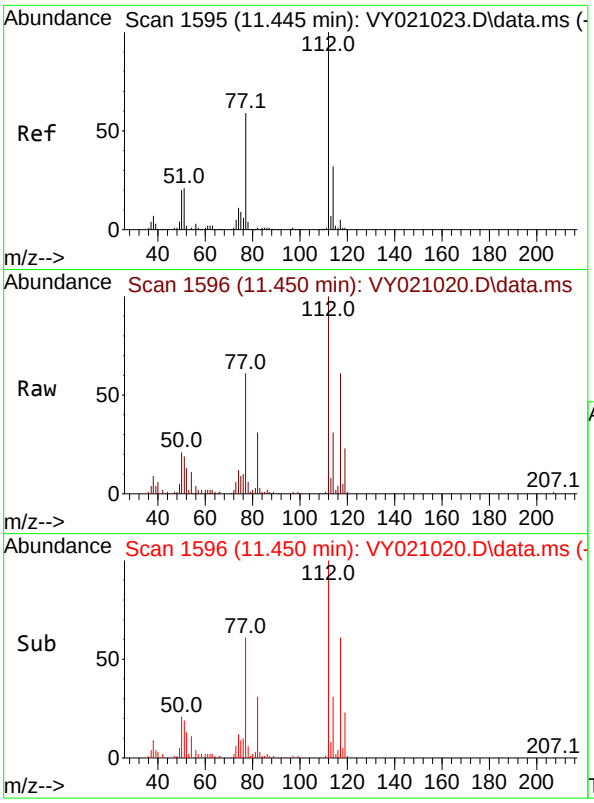



#64
Tetrachloroethene
Concen: 5.426 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:164 Resp: 9915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.6 | 100.4 | 150.6 |
| 129 | 93.7 | 70.8 | 106.2 |
| 131 | 92.8 | 70.0 | 105.0 |






#65
Chlorobenzene
Concen: 5.872 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

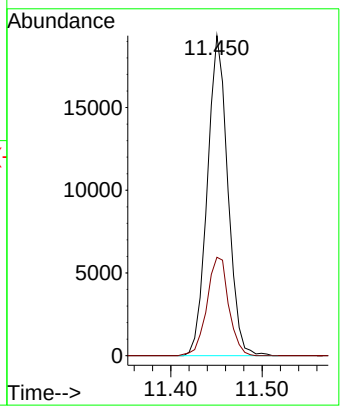
Tgt Ion:112 Resp: 2997

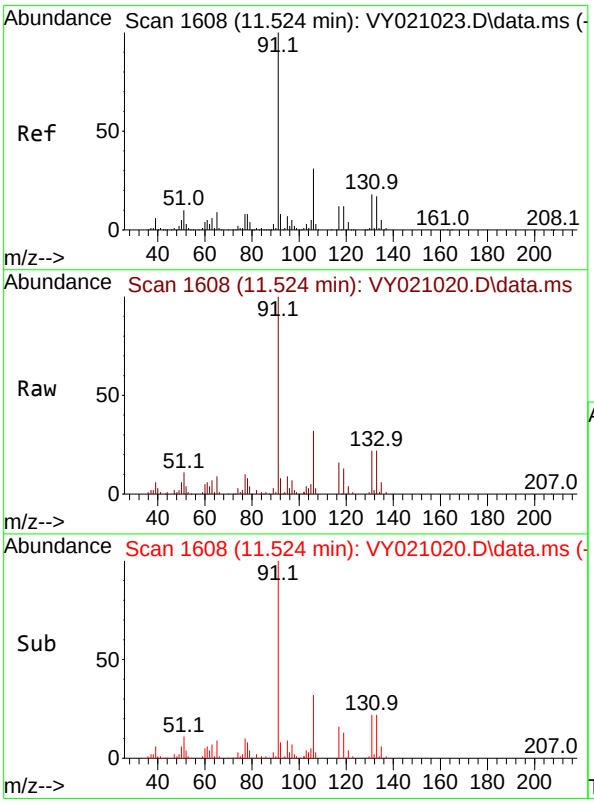
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.8 | 24.6 | 37.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

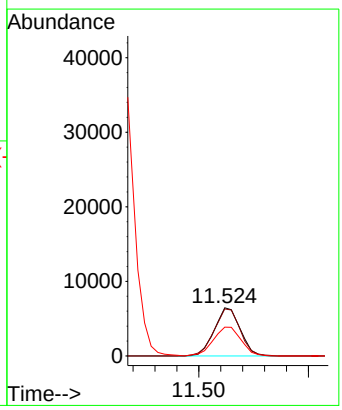


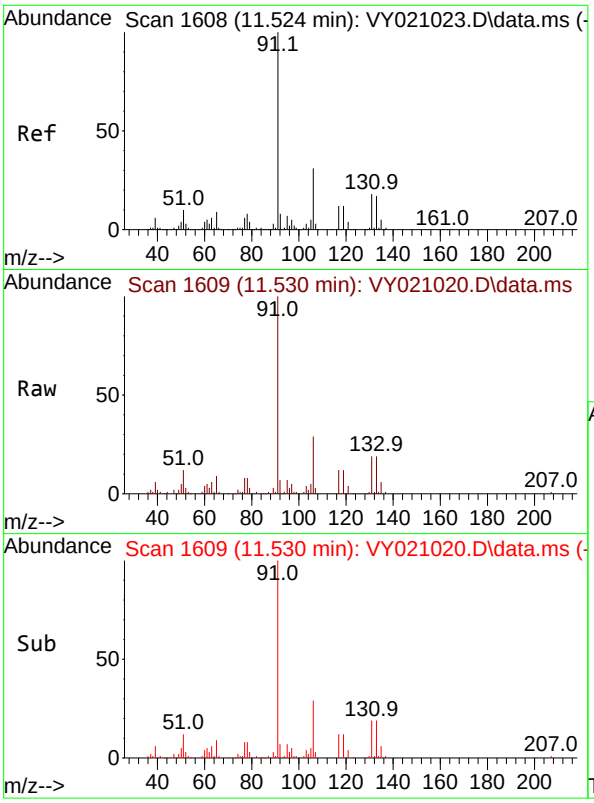




#66
1,1,1,2-Tetrachloroethane
Concen: 5.810 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:131 Resp: 10524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 99.6 | 48.7 | 146.1 |
| 119 | 64.8 | 31.4 | 94.3 |

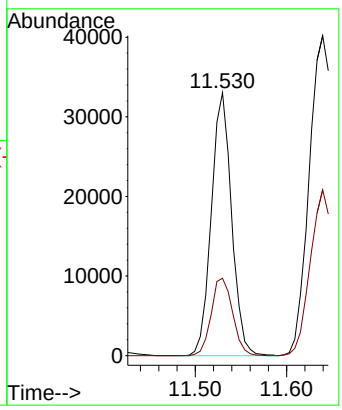





#67
Ethyl Benzene
Concen: 5.760 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 5090

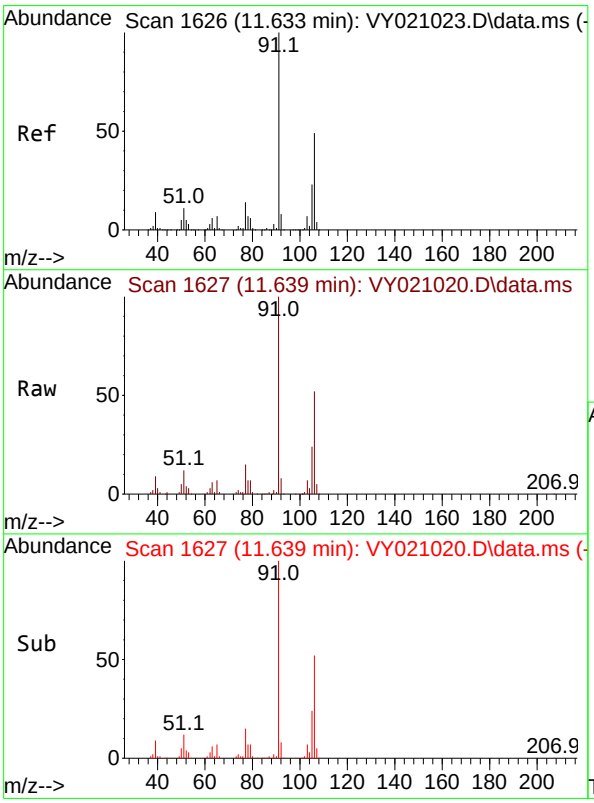
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.4 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

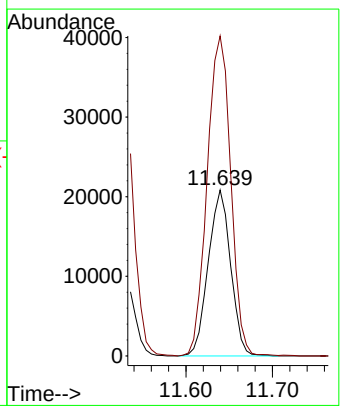
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

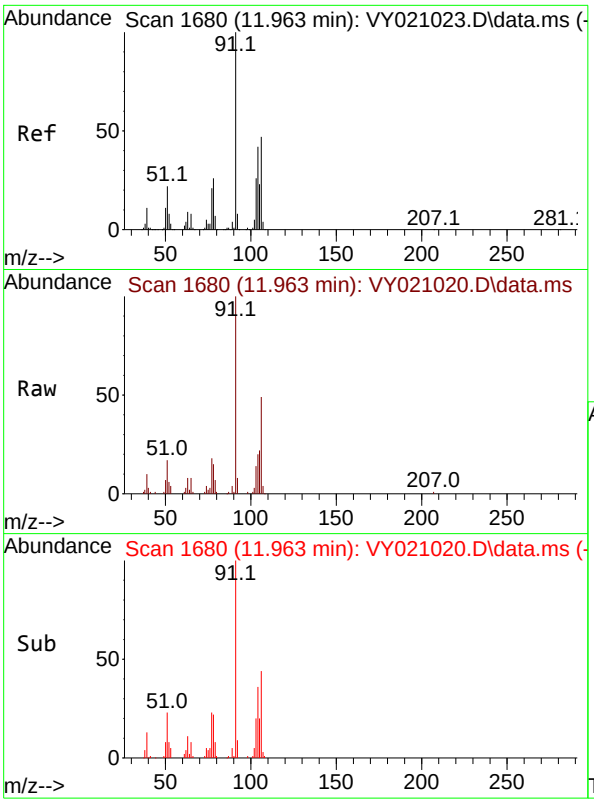



#68
m/p-Xylenes
Concen: 11.015 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:106 Resp: 37399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.1 | 160.0 | 240.0 |






#69
o-Xylene
Concen: 5.550 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

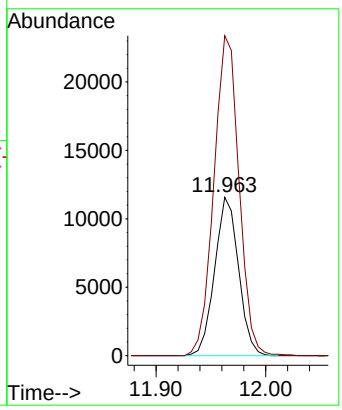
Tgt Ion:106 Resp: 1751

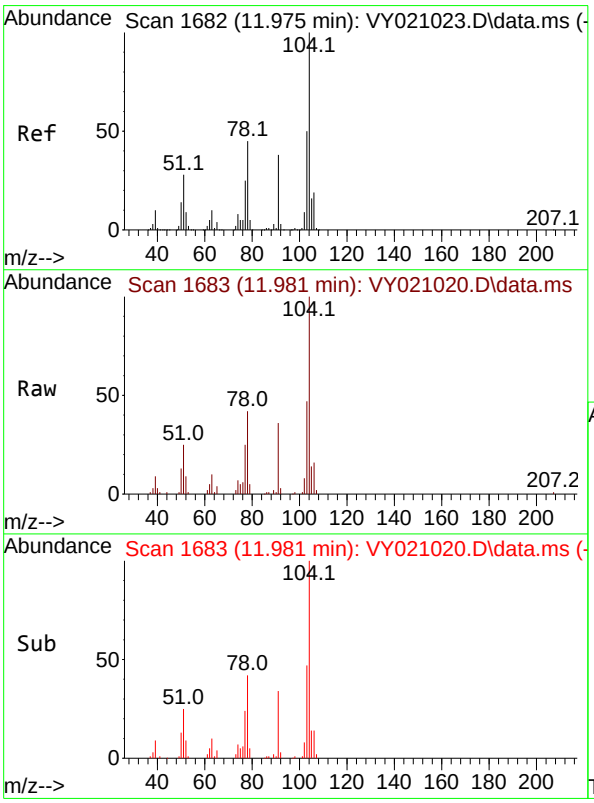
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.9 | 105.8 | 317.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

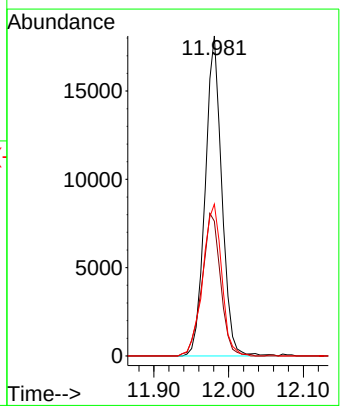


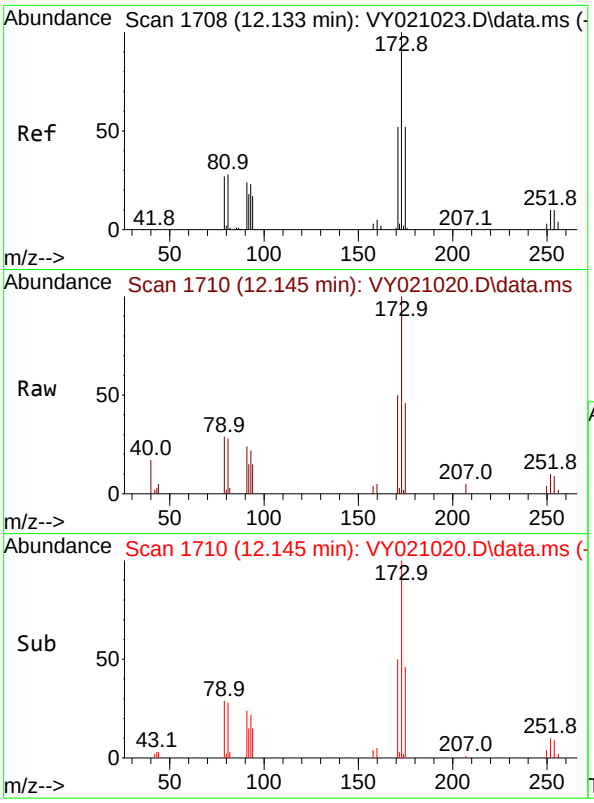




#70
Styrene
Concen: 5.333 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:104 Resp: 27946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.7 | 39.0 | 58.4 |
| 103 | 54.1 | 43.7 | 65.5 |

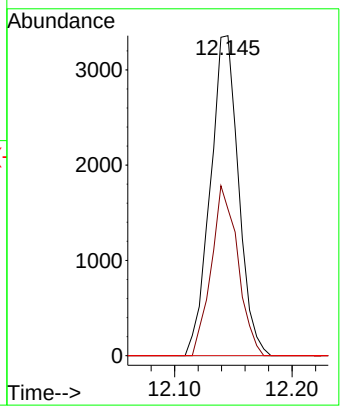





#71
Bromoform
Concen: 5.252 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:173 Resp: 560

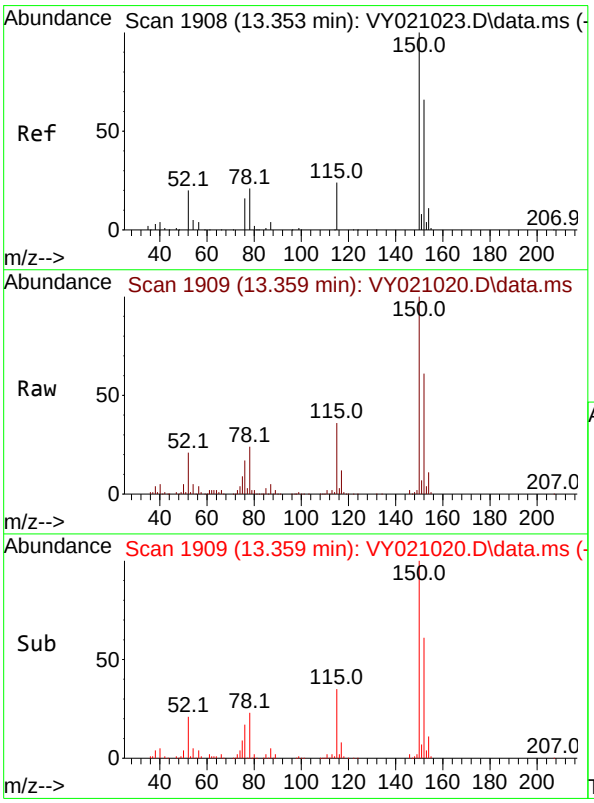
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.8 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

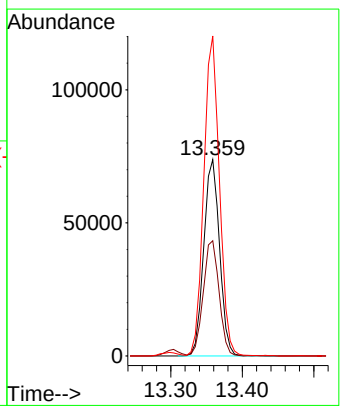
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

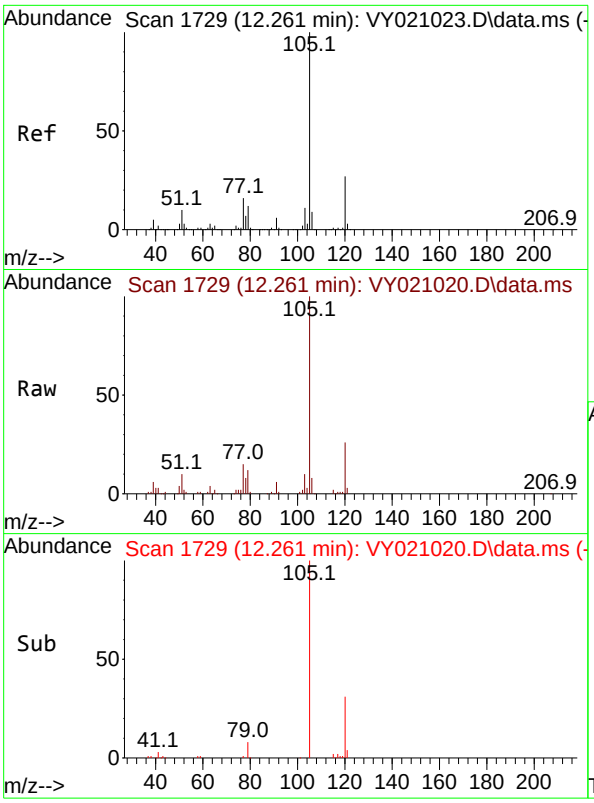



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:152 Resp: 113107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.9 | 28.4 | 85.2 |
| 150 | 160.9 | 0.0 | 342.8 |

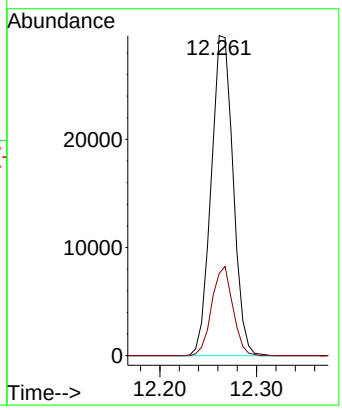





#73
Isopropylbenzene
Concen: 5.869 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 4662

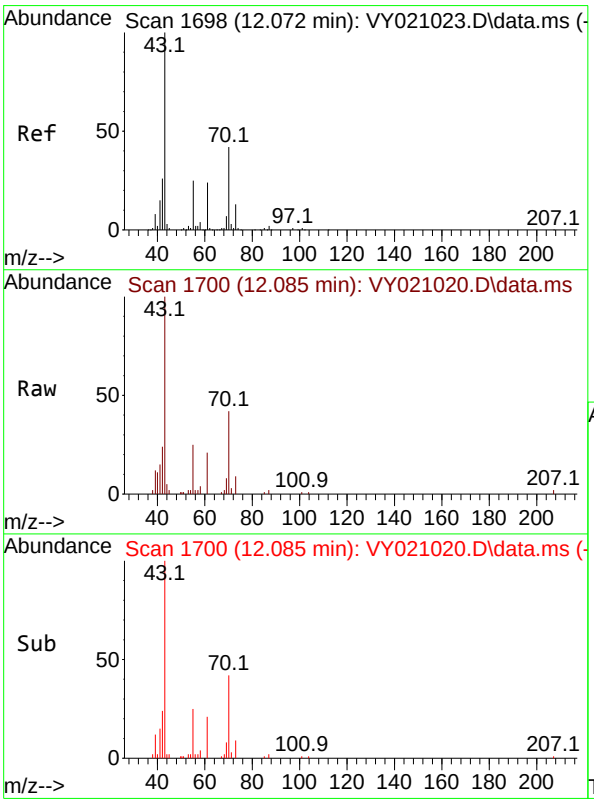
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.7 | 13.4 | 40.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

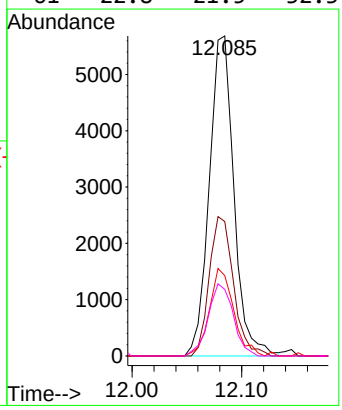
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

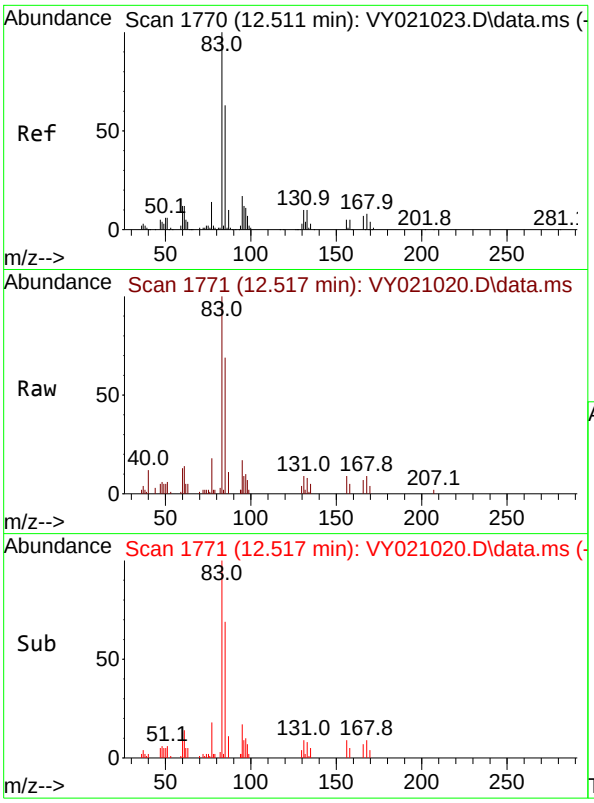



#74
N-amyl acetate
Concen: 6.144 ug/l
RT: 12.085 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.9 | 39.3 | 58.9 |
| 55 | 26.8 | 22.3 | 33.5 |
| 61 | 22.8 | 21.5 | 32.3 |

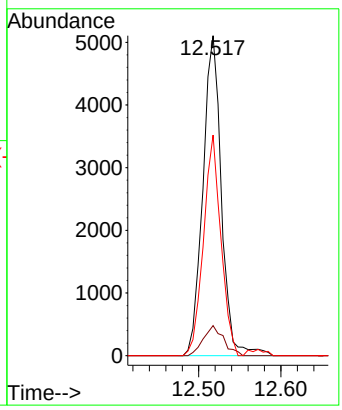





#75
1,1,2,2-Tetrachloroethane
Concen: 6.240 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 800

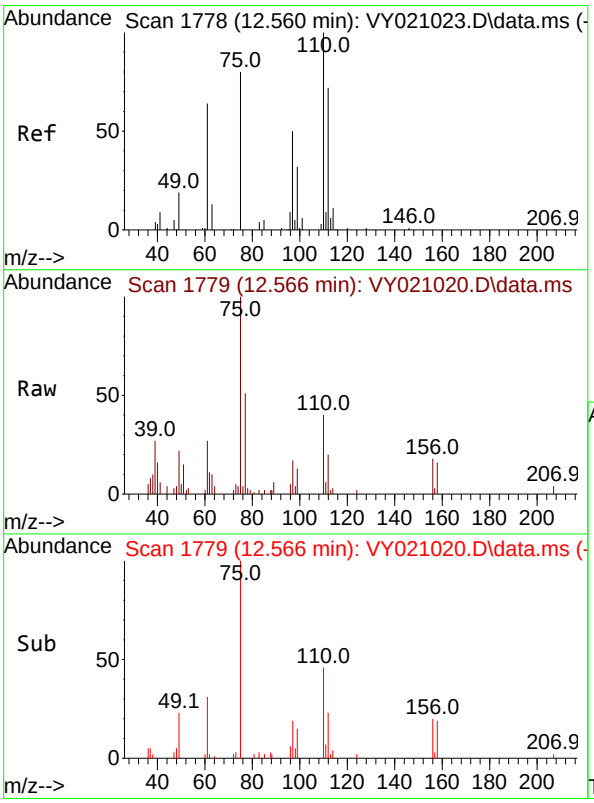
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 5.7 | 17.1 |
| 85 | 64.6 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

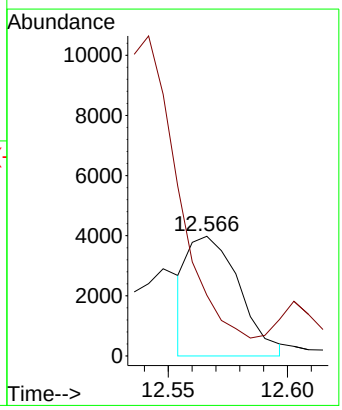
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

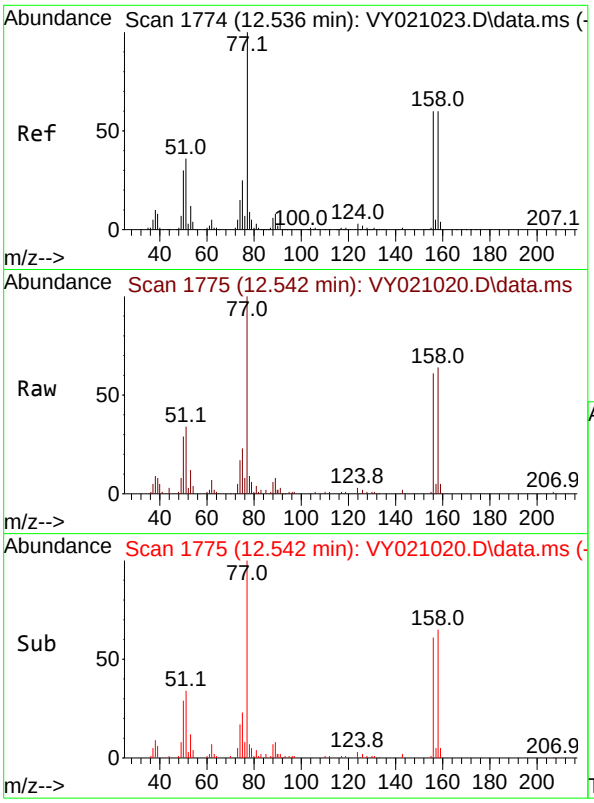



#76
1,2,3-Trichloropropane
Concen: 6.656 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 5960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

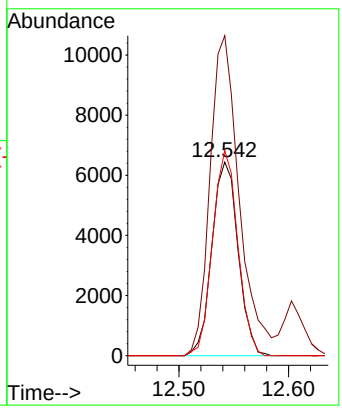





#77
Bromobenzene
Concen: 5.680 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:156 Resp: 1069

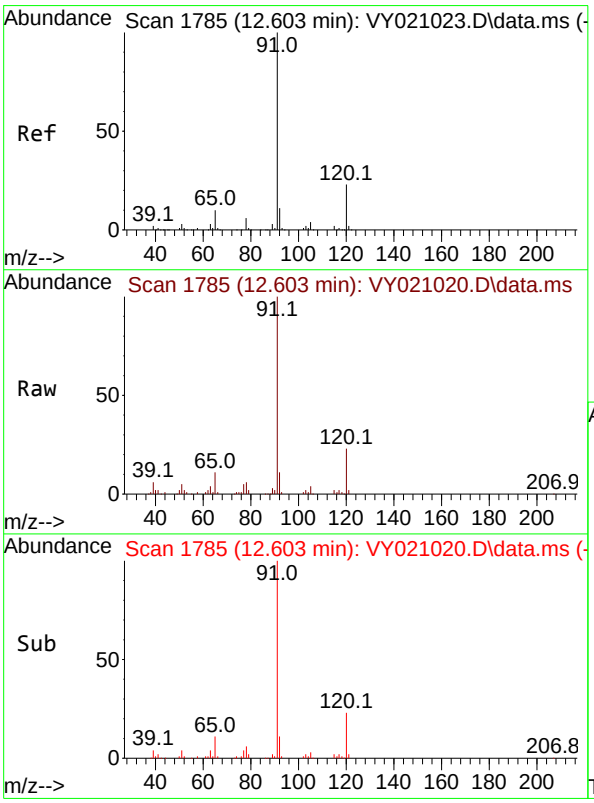
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 183.8 | 83.3 | 249.9 |
| 158 | 101.9 | 48.3 | 144.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

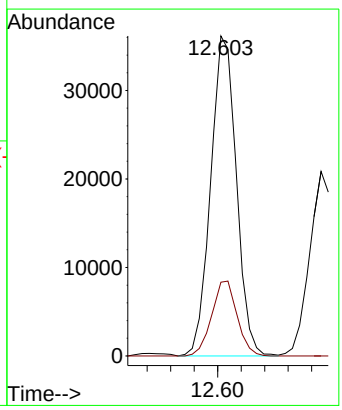
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

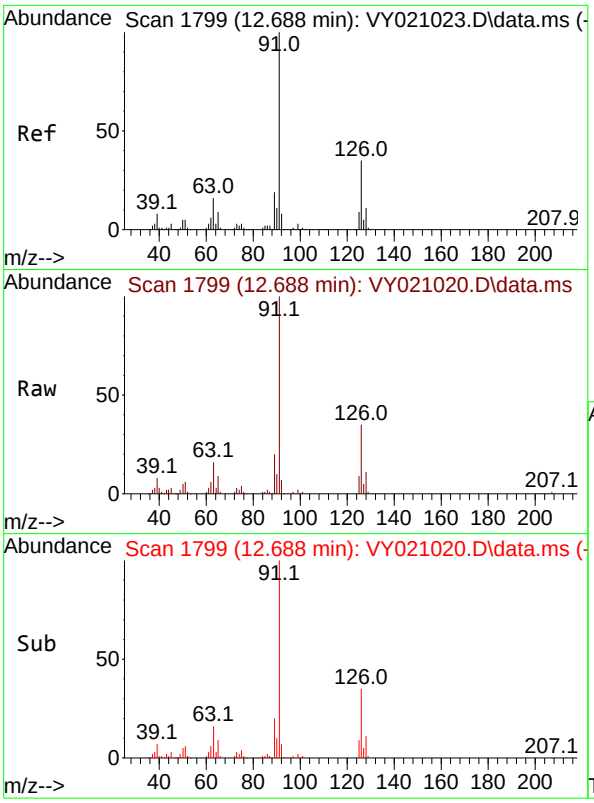



#78
n-propylbenzene
Concen: 5.907 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 54990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.2 | 11.8 | 35.4 |

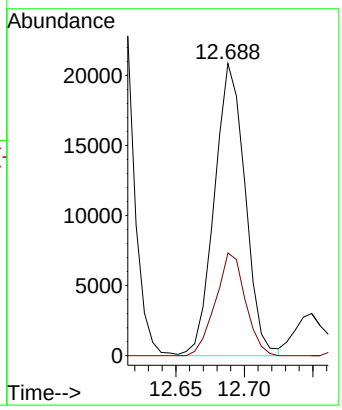





#79
2-Chlorotoluene
Concen: 6.123 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 3247

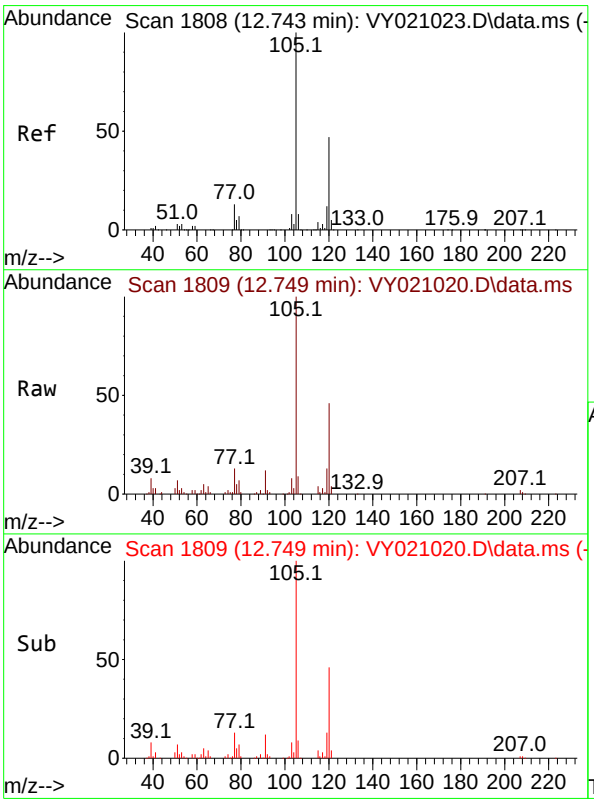
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.2 | 17.3 | 51.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

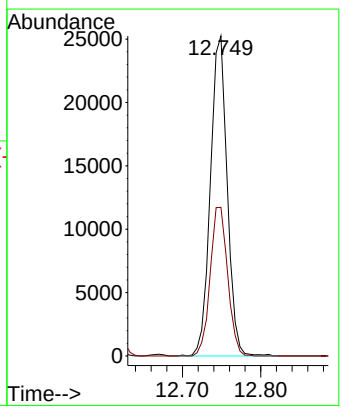
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

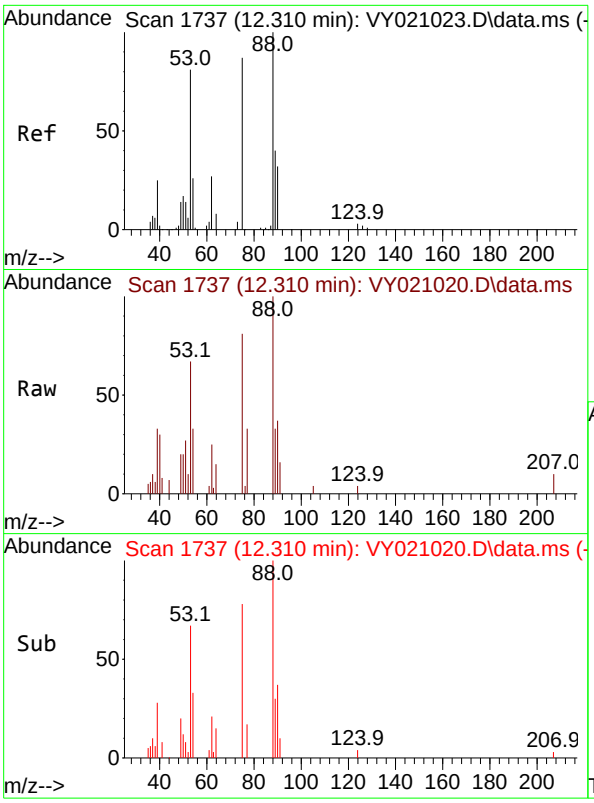



#80
1,3,5-Trimethylbenzene
Concen: 5.772 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 37564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.3 | 72.9 |

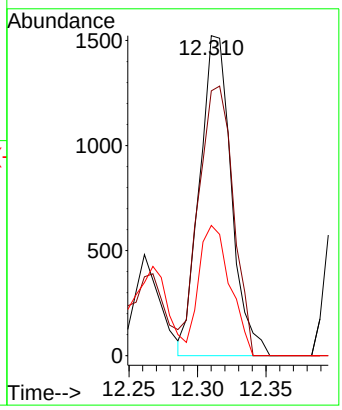





#81
trans-1,4-Dichloro-2-butene
Concen: 5.671 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 244

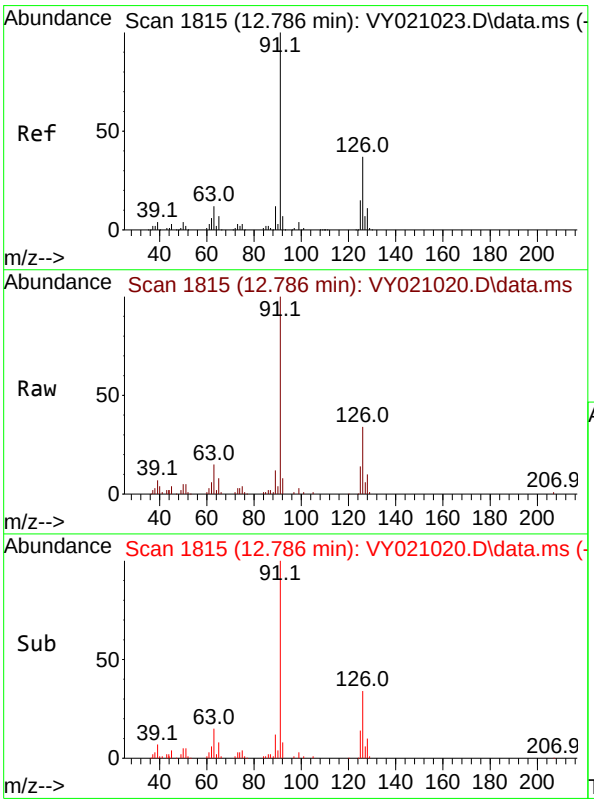
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 91.8 | 68.6 | 103.0 |
| 89 | 40.1 | 38.1 | 57.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

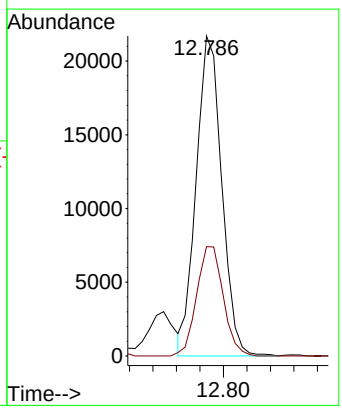
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

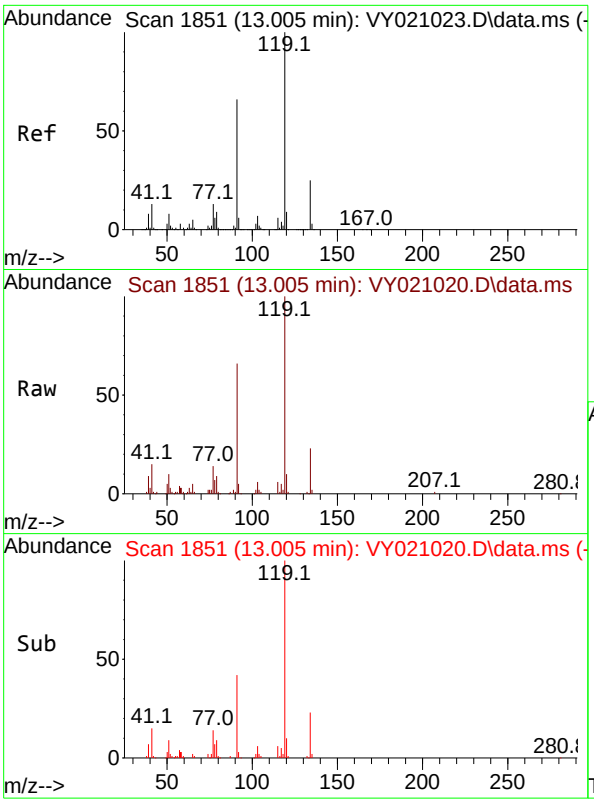



#82
4-Chlorotoluene
Concen: 6.046 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 32824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 35.5 | 17.3 | 52.0 |

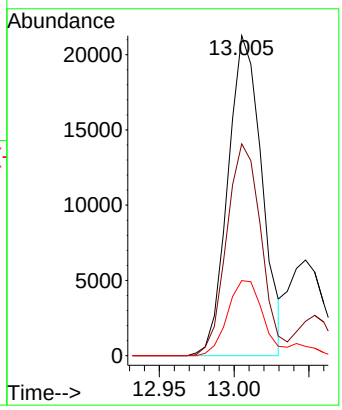





#83
tert-Butylbenzene
Concen: 5.562 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:119 Resp: 3357

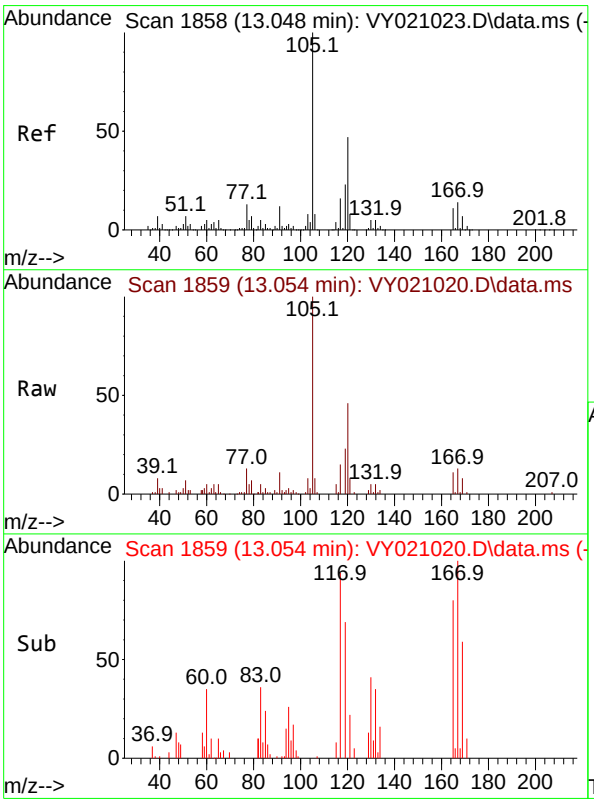
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.4 | 31.4 | 94.0 |
| 134 | 24.6 | 13.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

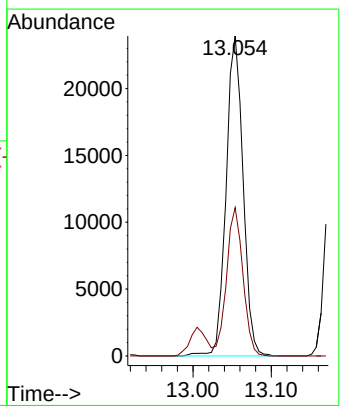
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

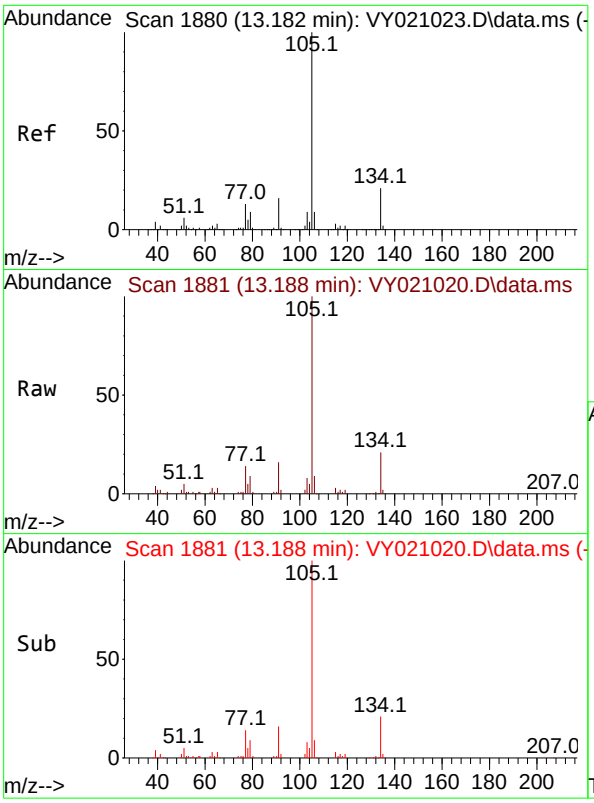



#84
1,2,4-Trimethylbenzene
Concen: 5.665 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 36016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.0 | 22.7 | 68.0 |

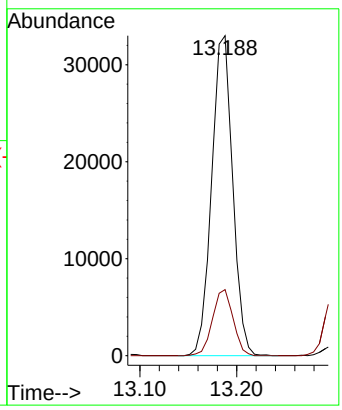





#85
sec-Butylbenzene
Concen: 5.831 ug/l
RT: 13.188 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 4982

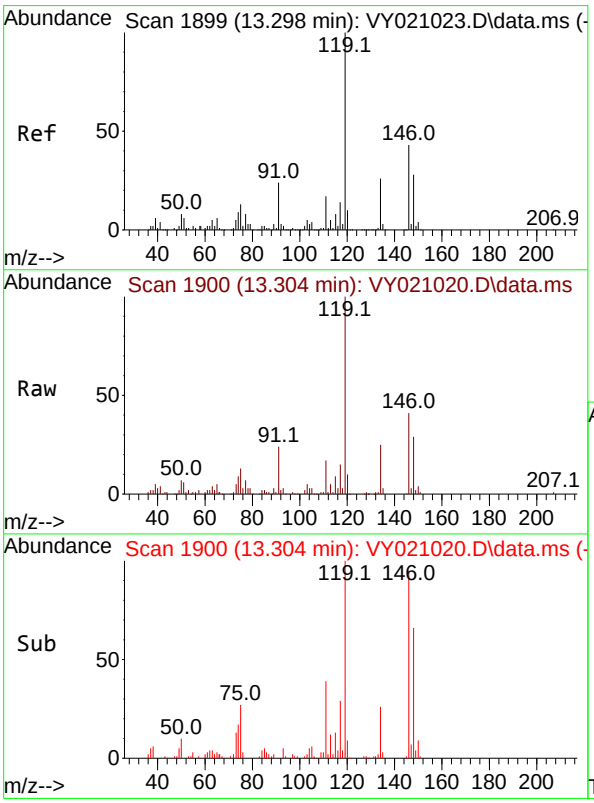
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 10.3 | 30.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

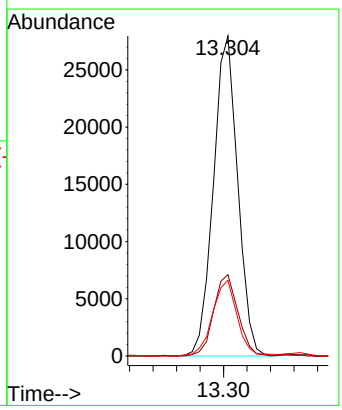
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

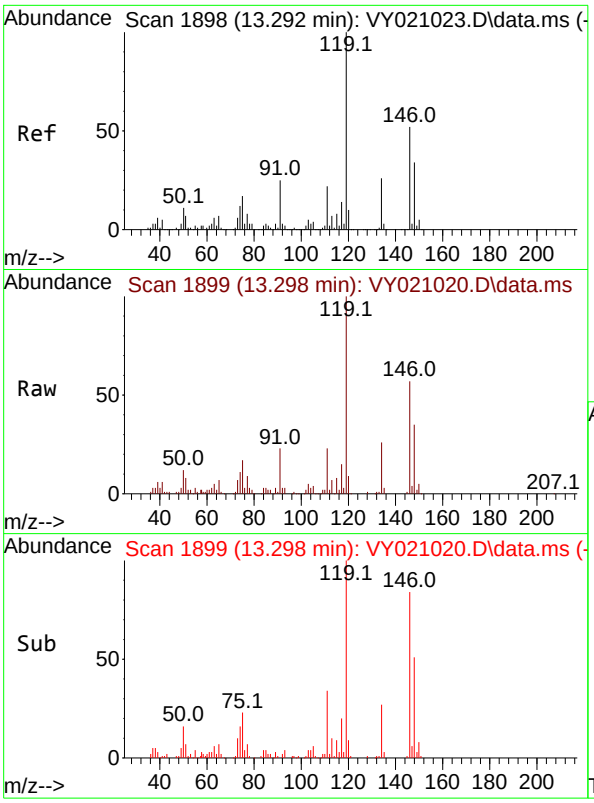



#86
p-Isopropyltoluene
Concen: 5.597 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:119 Resp: 40197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.3 | 13.1 | 39.3 |
| 91 | 24.1 | 11.5 | 34.5 |

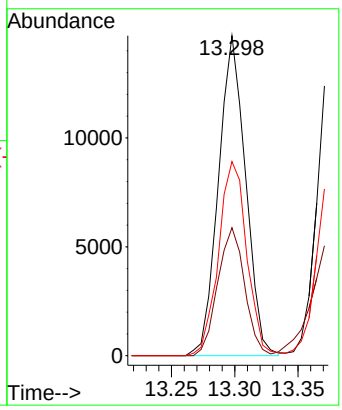





#87
1,3-Dichlorobenzene
Concen: 5.966 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 2191

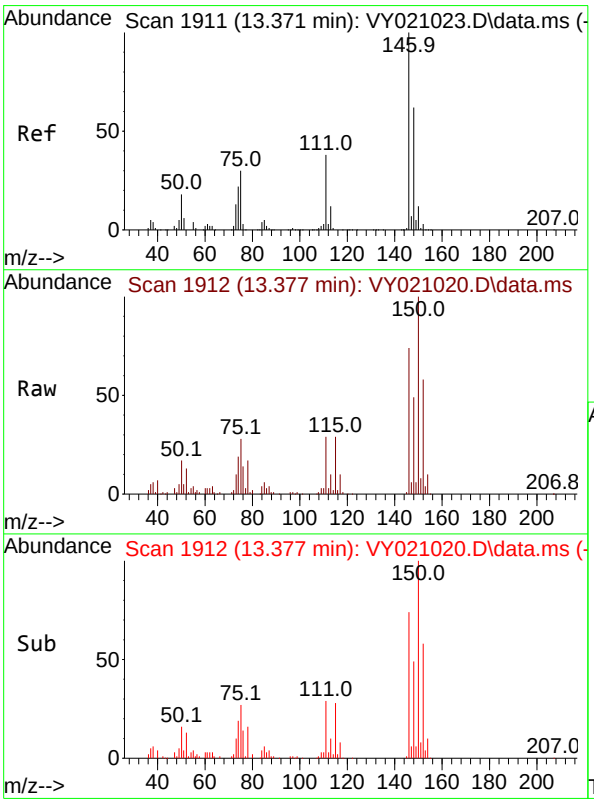
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.7 | 19.7 | 59.1 |
| 148 | 63.3 | 32.1 | 96.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

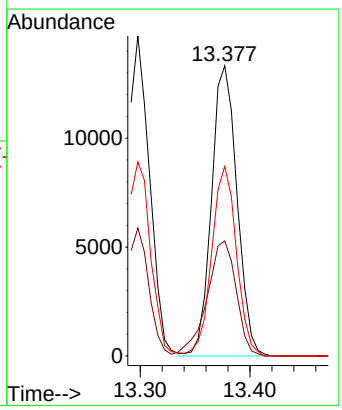
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

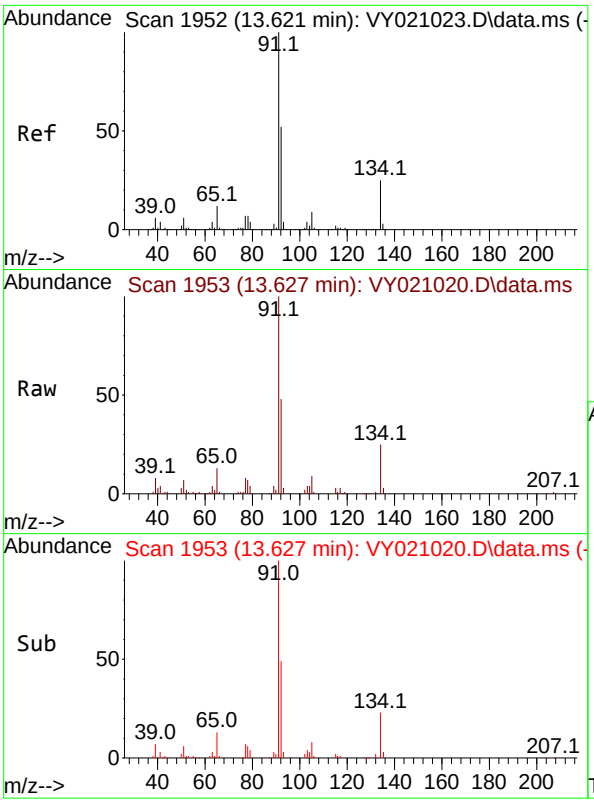



#88
1,4-Dichlorobenzene
Concen: 5.910 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 21553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.5 | 19.0 | 57.0 |
| 148 | 63.4 | 31.6 | 95.0 |

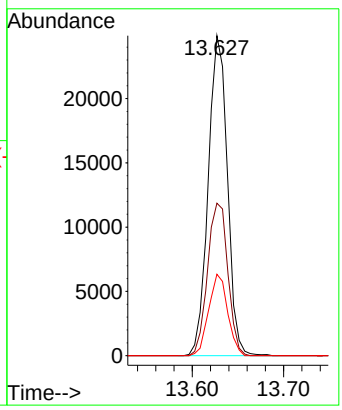





#89
n-Butylbenzene
Concen: 5.630 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 3621

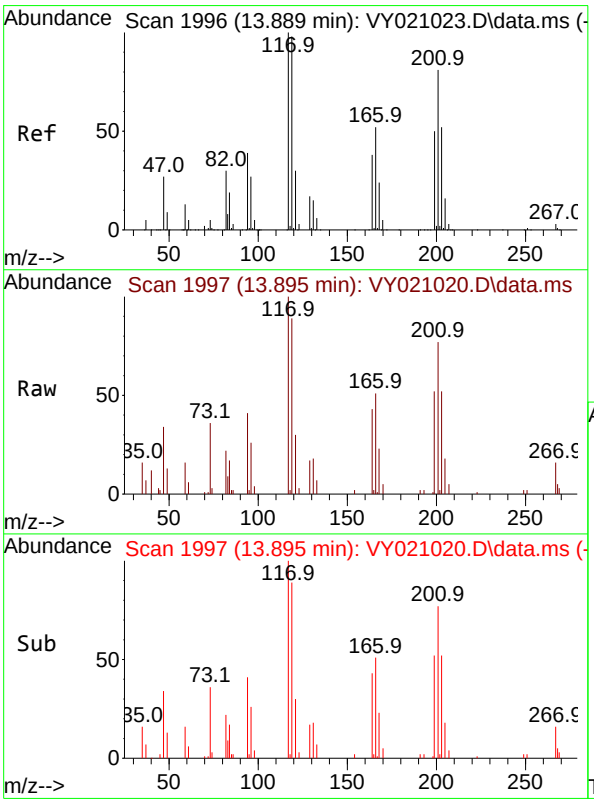
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 50.4 | 26.7 | 80.1 |
| 134 | 25.2 | 13.7 | 41.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

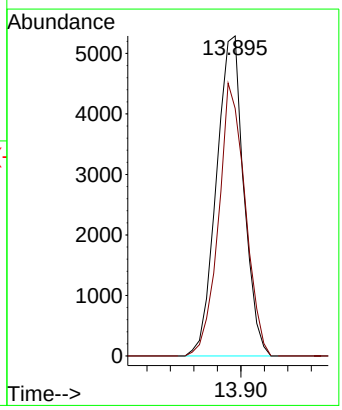
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

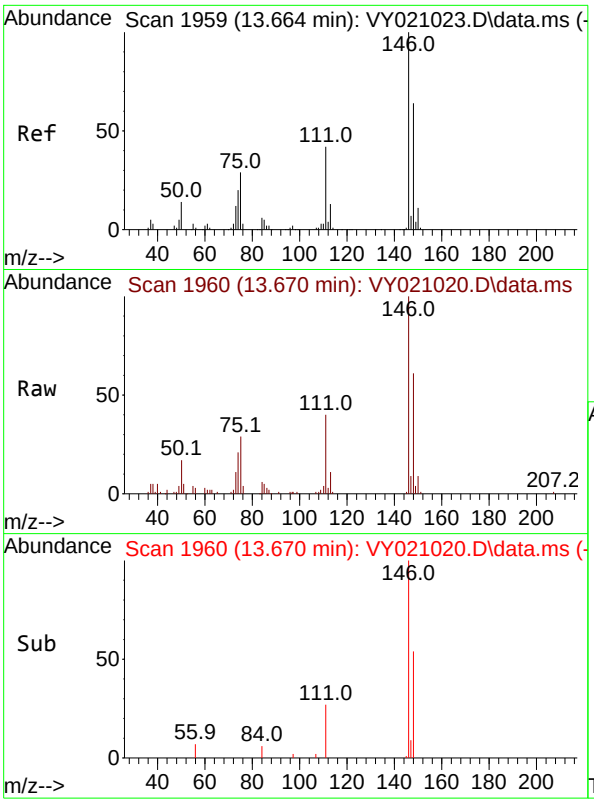



#90
Hexachloroethane
Concen: 5.891 ug/l
RT: 13.895 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 8559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 82.8 | 42.5 | 127.5 |

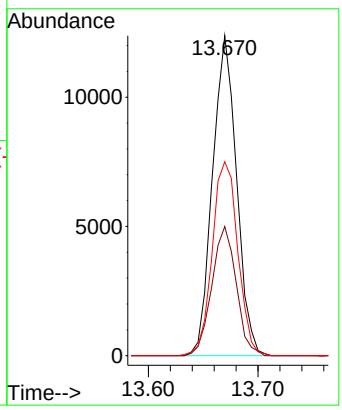





#91
1,2-Dichlorobenzene
Concen: 5.892 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 1886

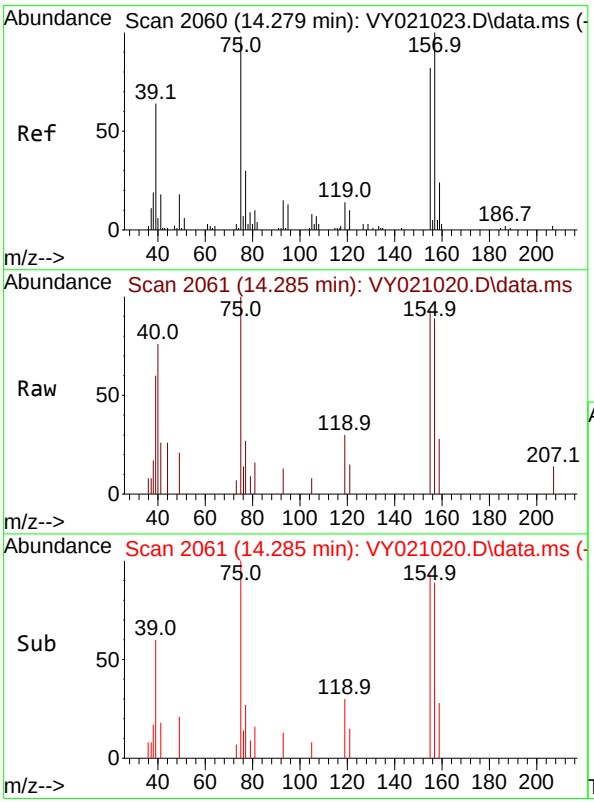
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.3 | 60.8 |
| 148 | 64.4 | 32.2 | 96.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

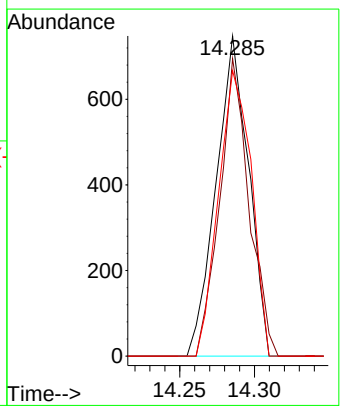
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

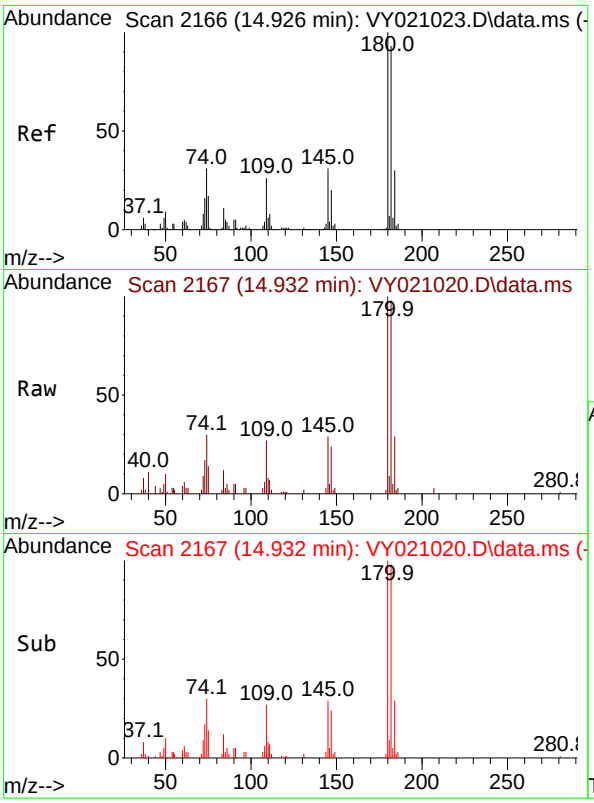



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.699 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 1125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.4 | 45.9 | 137.6 |
| 157 | 90.1 | 59.3 | 177.9 |

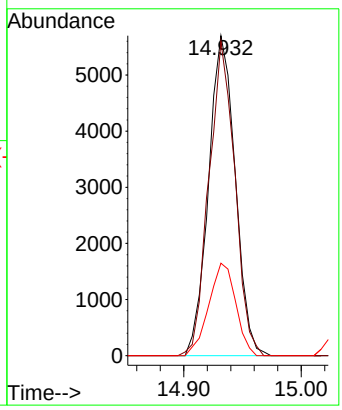





#93
1,2,4-Trichlorobenzene
Concen: 4.590 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:180 Resp: 900

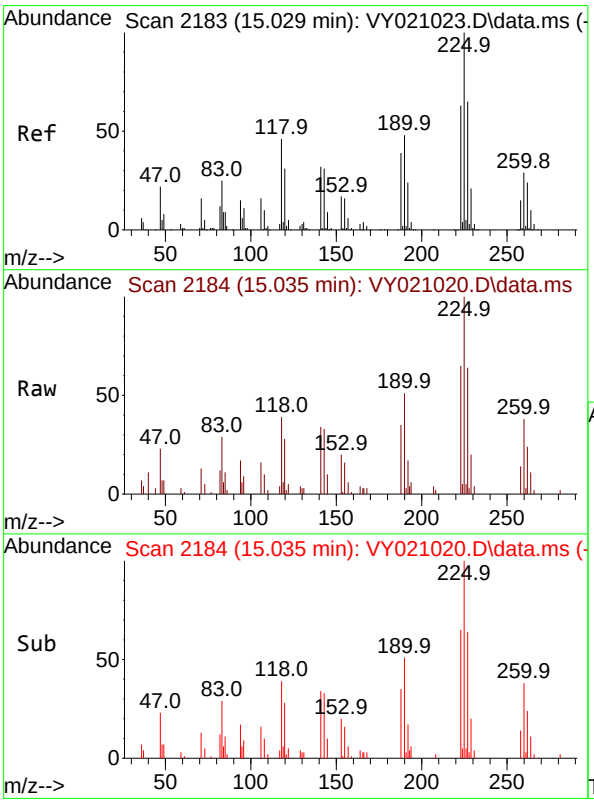
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 48.3 | 144.8 |
| 145 | 29.2 | 15.3 | 45.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

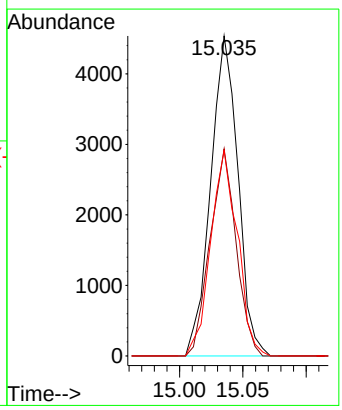
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

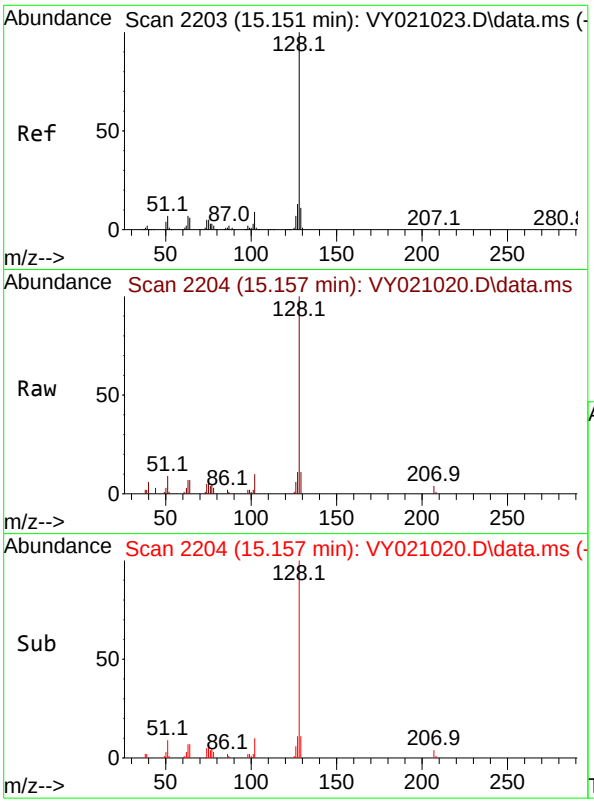



#94
Hexachlorobutadiene
Concen: 5.001 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:225 Resp: 6792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.7 | 31.4 | 94.2 |
| 227 | 63.1 | 31.8 | 95.3 |

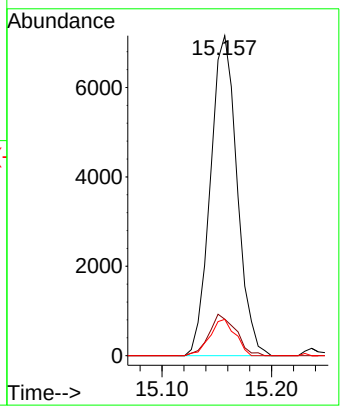





#95
Naphthalene
Concen: 3.847 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:128 Resp: 1212

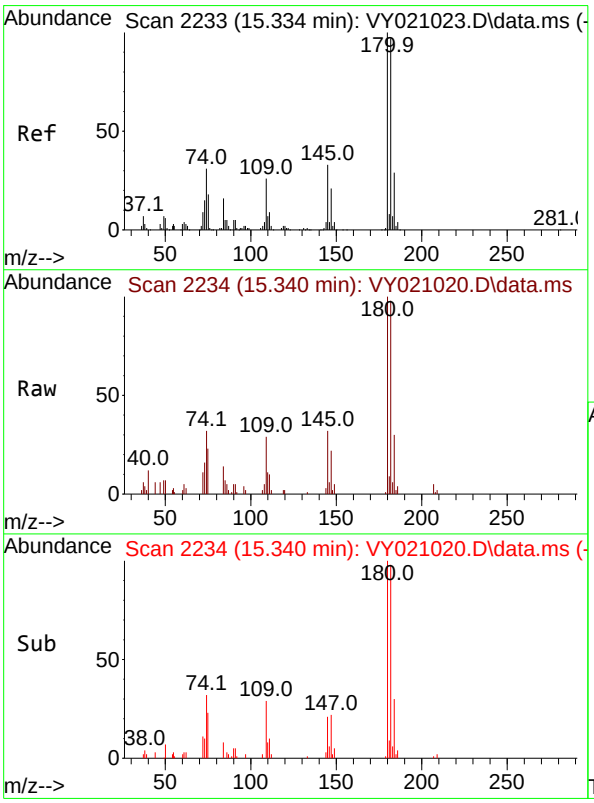
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.4 |
| 129 | 10.8 | 8.8 | 13.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

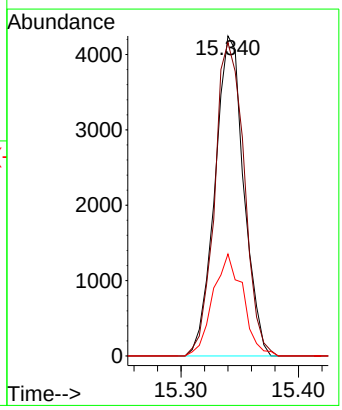
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025




#96
1,2,3-Trichlorobenzene
Concen: 4.375 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:180 Resp: 7255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 100.1 | 47.7 | 143.1 |
| 145 | 33.2 | 15.6 | 46.7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 182294 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 285332 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 239030 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 115682 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 20294 | 13.075 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 26.160%# | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 18627 | 10.859 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 21.720%# | | |
| 50) Toluene-d8 | 10.109 | 98 | 70569 | 10.540 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 21.080%# | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 23279 | 10.362 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = | 20.720%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 15959 | 10.296 | ug/l | 99 |
| 3) Chloromethane | 2.074 | 50 | 16219 | 16.458 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 16094 | 15.839 | ug/l | 93 |
| 5) Bromomethane | 2.604 | 94 | 10042 | 14.599 | ug/l | 99 |
| 6) Chloroethane | 2.745 | 64 | 9830 | 16.561 | ug/l | 95 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 29663 | 12.097 | ug/l | 90 |
| 8) Diethyl Ether | 3.458 | 74 | 9330 | 12.745 | ug/l | 89 |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 18483 | 11.194 | ug/l | 96 |
| 10) Methyl Iodide | 4.019 | 142 | 19381 | 10.258 | ug/l | 98 |
| 11) Tert butyl alcohol | 4.860 | 59 | 7158m | 63.135 | ug/l | |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 17176 | 11.131 | ug/l | 90 |
| 13) Acrolein | 3.665 | 56 | 10409 | 79.726 | ug/l | 96 |
| 14) Allyl chloride | 4.391 | 41 | 28376 | 13.358 | ug/l | 93 |
| 15) Acrylonitrile | 5.074 | 53 | 19104 | 63.446 | ug/l | 97 |
| 16) Acetone | 3.879 | 43 | 15112 | 71.438 | ug/l # | 86 |
| 17) Carbon Disulfide | 4.116 | 76 | 53088 | 11.171 | ug/l | 100 |
| 18) Methyl Acetate | 4.397 | 43 | 10297 | 13.911 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 5.128 | 73 | 43216 | 12.033 | ug/l | 96 |
| 20) Methylene Chloride | 4.622 | 84 | 18455 | 11.829 | ug/l | 89 |
| 21) trans-1,2-Dichloroethene | 5.128 | 96 | 18903 | 11.426 | ug/l | 100 |
| 22) Diisopropyl ether | 6.031 | 45 | 59888 | 13.831 | ug/l # | 89 |
| 23) Vinyl Acetate | 5.970 | 43 | 166437 | 69.409 | ug/l | 94 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 34569 | 12.375 | ug/l | 99 |
| 25) 2-Butanone | 6.902 | 43 | 24268 | 67.624 | ug/l | 93 |
| 26) 2,2-Dichloropropane | 6.896 | 77 | 32771 | 11.915 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 21309 | 11.206 | ug/l | 91 |
| 28) Bromochloromethane | 7.256 | 49 | 13417 | 12.892 | ug/l | 86 |
| 29) Tetrahydrofuran | 7.274 | 42 | 16758 | 69.395 | ug/l | 92 |
| 30) Chloroform | 7.427 | 83 | 37054 | 12.247 | ug/l | 100 |
| 31) Cyclohexane | 7.707 | 56 | 32272 | 11.819 | ug/l # | 88 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 32862 | 11.223 | ug/l | 95 |
| 36) 1,1-Dichloropropene | 7.847 | 75 | 26479 | 10.820 | ug/l | 96 |
| 37) Ethyl Acetate | 6.994 | 43 | 11876 | 13.017 | ug/l | 97 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 31462 | 10.389 | ug/l | 96 |
| 39) Methylcyclohexane | 9.115 | 83 | 31392 | 9.549 | ug/l | 90 |
| 40) Benzene | 8.085 | 78 | 78846 | 10.950 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.244 | 41 | 7195m | 14.253 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 22281 | 12.201 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.207 | 43 | 23795 | 13.055 | ug/l | # | 84 |
| 44) Trichloroethene | 8.872 | 130 | 20261 | 10.197 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 18765 | 11.627 | ug/l | | 96 |
| 46) Dibromomethane | 9.237 | 93 | 10511 | 11.191 | ug/l | | 94 |
| 47) Bromodichloromethane | 9.432 | 83 | 28538 | 11.570 | ug/l | | 96 |
| 48) Methyl methacrylate | 9.225 | 41 | 10297 | 11.866 | ug/l | | 93 |
| 49) 1,4-Dioxane | 9.231 | 88 | 1885 | 188.876 | ug/l | # | 89 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 60088 | 64.159 | ug/l | | 94 |
| 52) Toluene | 10.176 | 92 | 48876 | 10.457 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 24301 | 10.888 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 29426 | 11.031 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 13425 | 10.748 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.445 | 69 | 16883 | 10.341 | ug/l | # | 86 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 23377 | 11.042 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 41611 | 60.048 | ug/l | | 95 |
| 59) 2-Hexanone | 10.768 | 43 | 37306 | 61.283 | ug/l | | 90 |
| 60) Dibromochloromethane | 10.914 | 129 | 18851 | 10.585 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 12746 | 10.684 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.652 | 164 | 17544 | 9.730 | ug/l | | 98 |
| 65) Chlorobenzene | 11.450 | 112 | 53298 | 10.583 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 19150 | 10.714 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.524 | 91 | 90783 | 10.411 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.633 | 106 | 69094 | 20.624 | ug/l | | 98 |
| 69) o-Xylene | 11.963 | 106 | 31473 | 10.106 | ug/l | | 96 |
| 70) Styrene | 11.975 | 104 | 53436 | 10.334 | ug/l | | 98 |
| 71) Bromoform | 12.139 | 173 | 10627 | 10.088 | ug/l | # | 97 |
| 73) Isopropylbenzene | 12.261 | 105 | 85491 | 10.522 | ug/l | | 98 |
| 74) N-amyl acetate | 12.078 | 43 | 18529 | 12.524 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 14942 | 11.393 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 9090m | 9.926 | ug/l | | |
| 77) Bromobenzene | 12.536 | 156 | 20634 | 10.712 | ug/l | | 94 |
| 78) n-propylbenzene | 12.603 | 91 | 102250 | 10.738 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 59630 | 10.991 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 70161 | 10.541 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 5224 | 11.842 | ug/l | | 92 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 62279 | 11.217 | ug/l | | 96 |
| 83) tert-Butylbenzene | 13.005 | 119 | 63506 | 10.287 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 67906 | 10.444 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 92610 | 10.596 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 74892 | 10.196 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 39016 | 10.388 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 39379 | 10.559 | ug/l | | 95 |
| 89) n-Butylbenzene | 13.627 | 91 | 67632 | 10.280 | ug/l | | 97 |
| 90) Hexachloroethane | 13.889 | 117 | 16030 | 10.788 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 13.670 | 146 | 35252 | 10.763 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 2296 | 11.372 | ug/l | | 87 |
| 93) 1,2,4-Trichlorobenzene | 14.932 | 180 | 17451 | 8.702 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 11988 | 8.631 | ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 27103 | 8.409 | ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 14804 | 8.729 | ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 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_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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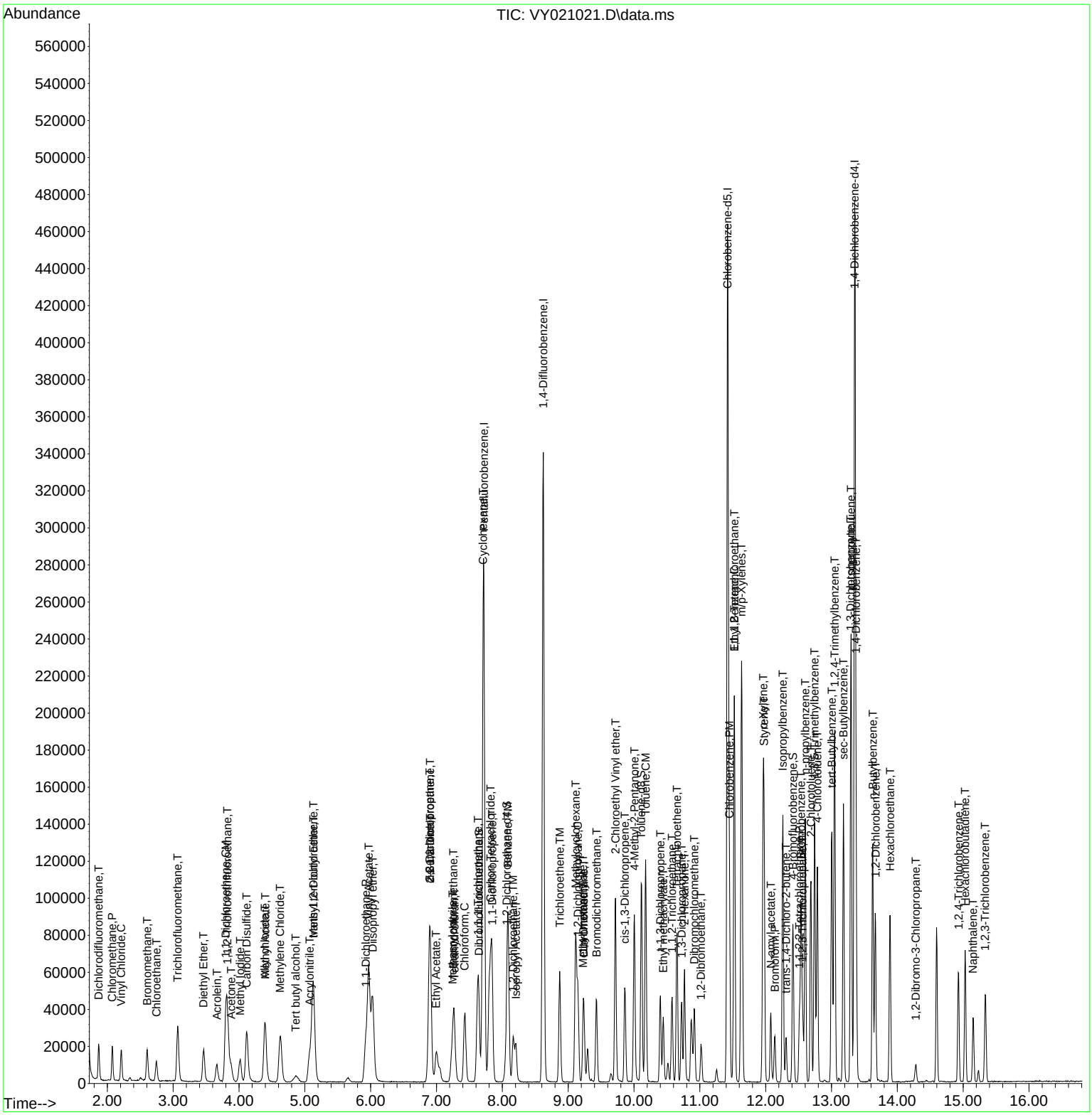
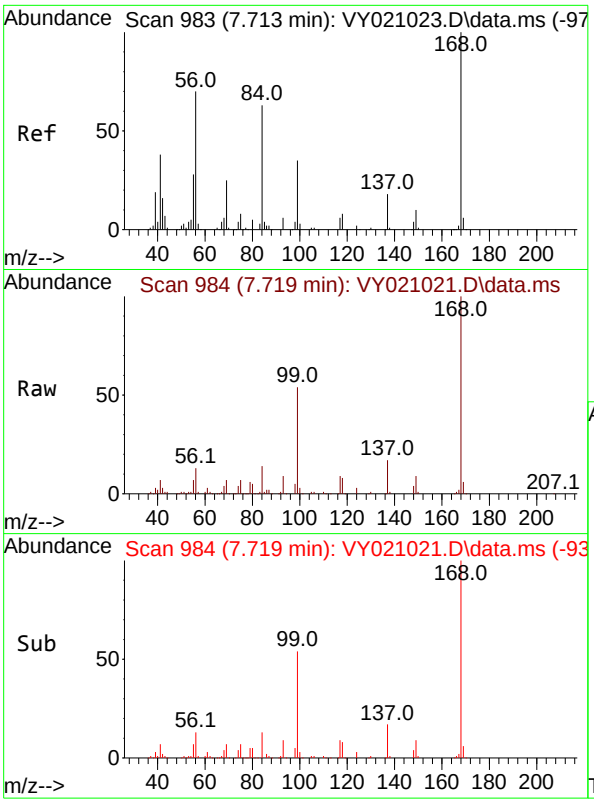
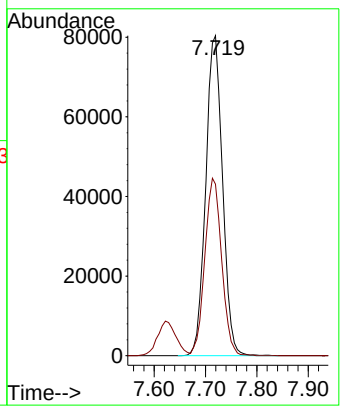





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:168 Resp: 18229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.6 | 42.2 | 63.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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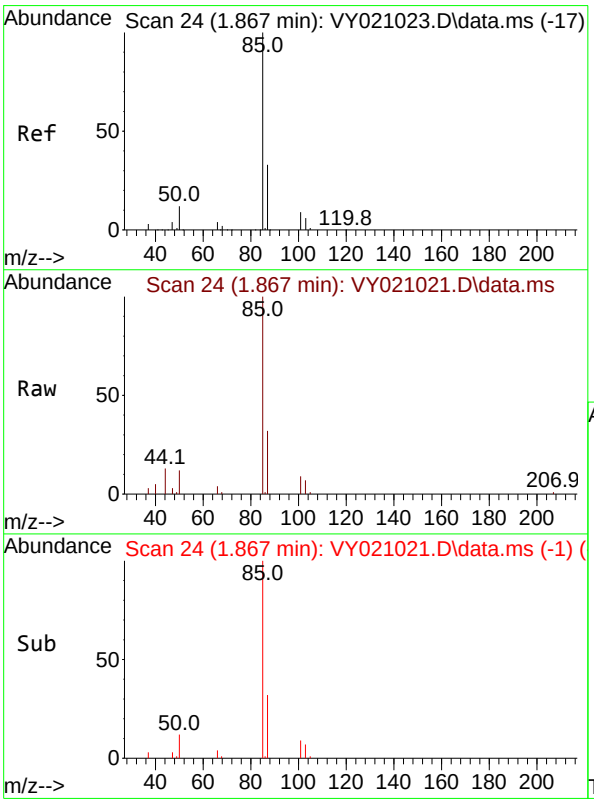
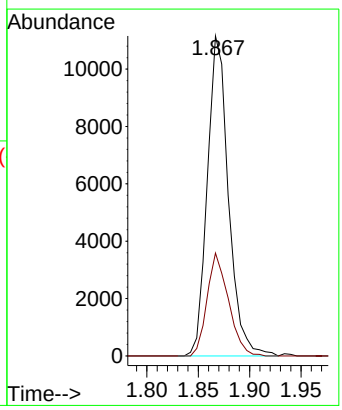
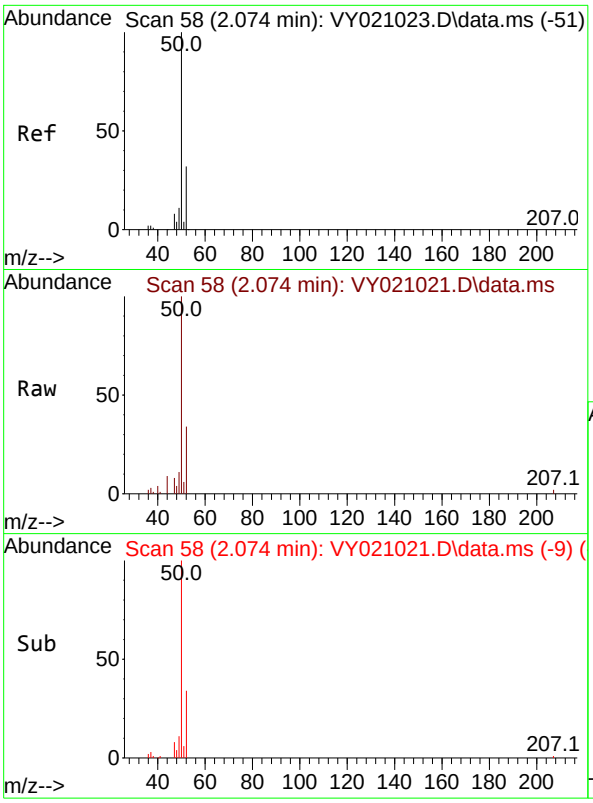



#2
Dichlorodifluoromethane
Concen: 10.296 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 85 Resp: 15959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 16.3 | 48.9 |

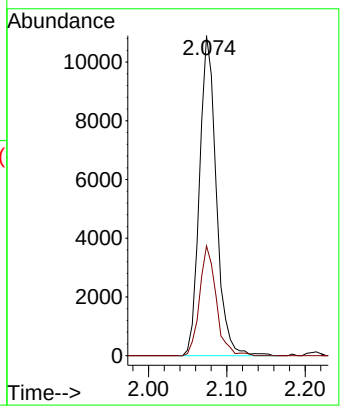





#3
Chloromethane
Concen: 16.458 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 50 Resp: 1621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.3 | 26.3 | 39.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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Reviewed By :Mahesh Dadoda 02/04/2025
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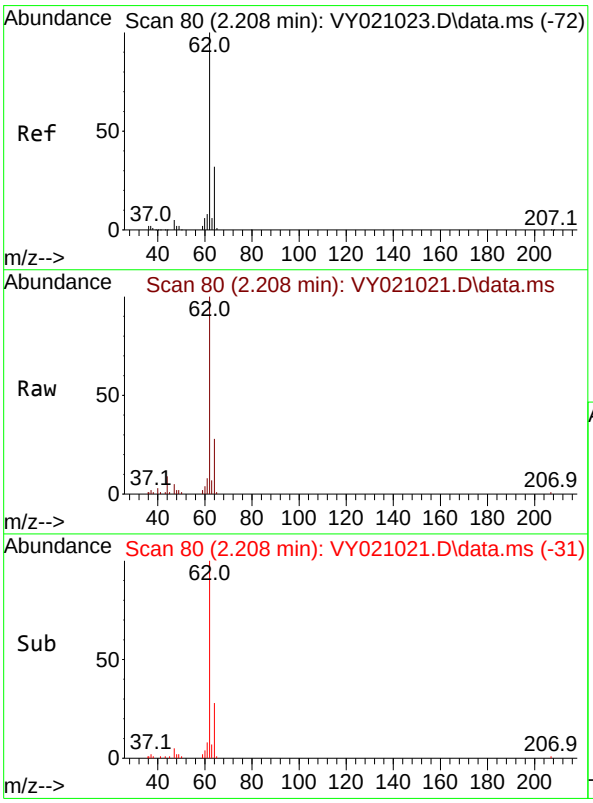
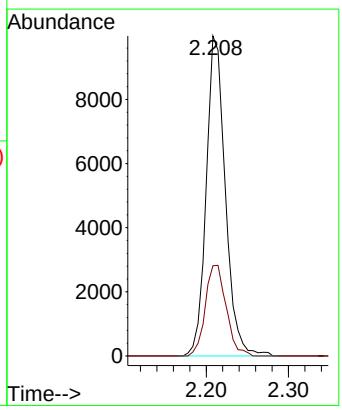
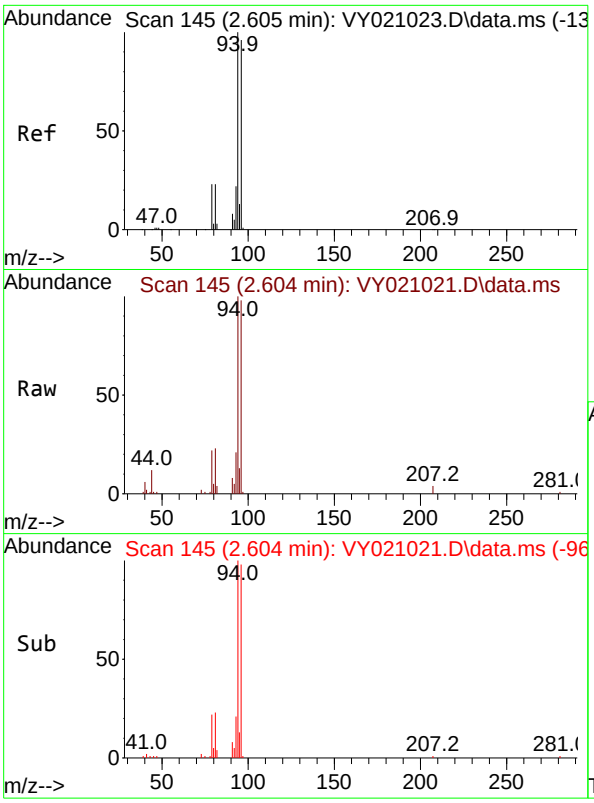



#4
Vinyl Chloride
Concen: 15.839 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 62 Resp: 16094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 28.2 | 25.4 | 38.2 |

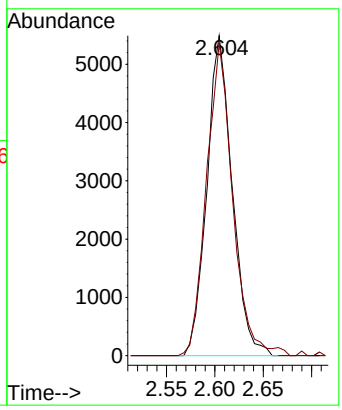





#5
Bromomethane
Concen: 14.599 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 94 Resp: 1004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 97.7 | 77.4 | 116.0 |

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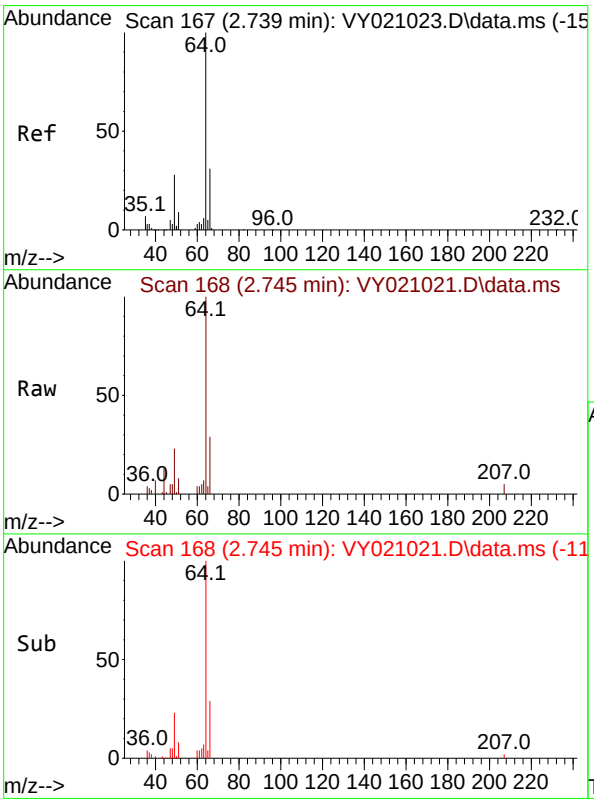
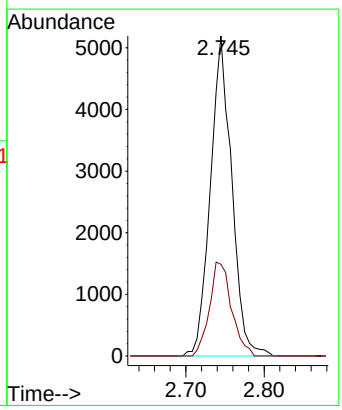
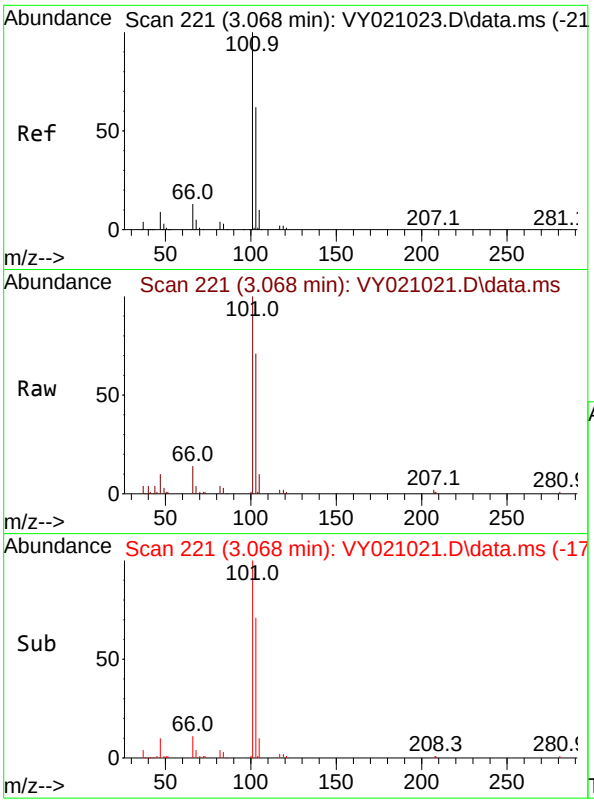



#6
Chloroethane
Concen: 16.561 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 64 Resp: 9830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 28.6 | 25.0 | 37.4 |

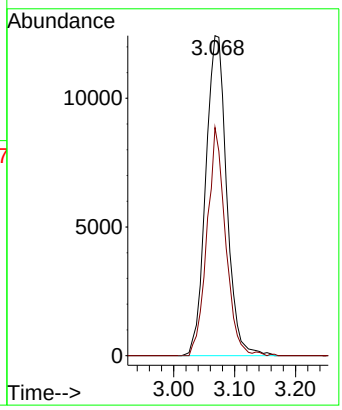





#7
Trichlorofluoromethane
Concen: 12.097 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:101 Resp: 2966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 71.3 | 50.9 | 76.3 |




**Instrument :**
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VSTDICC010

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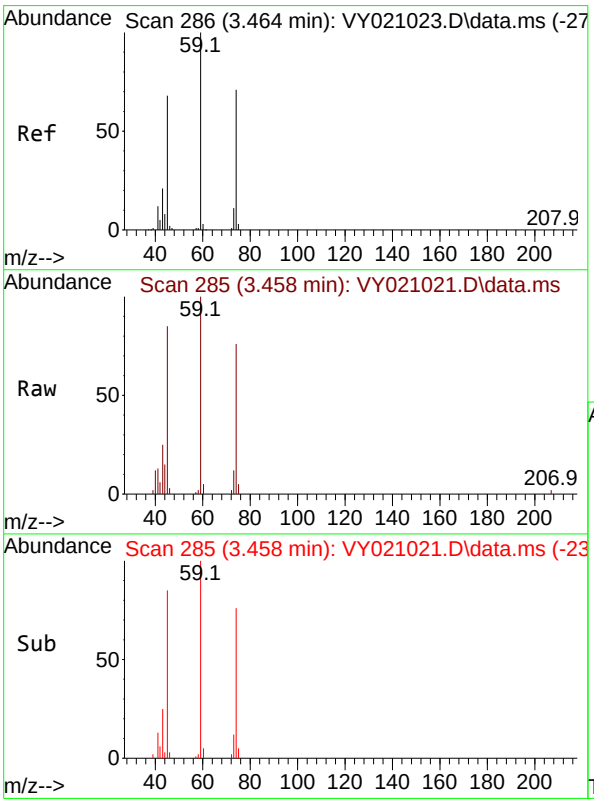
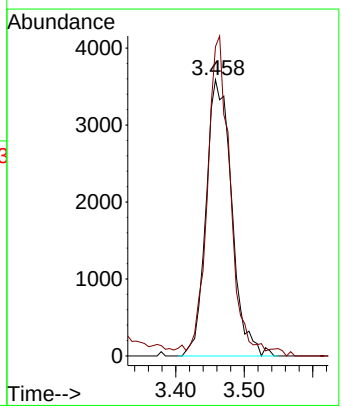
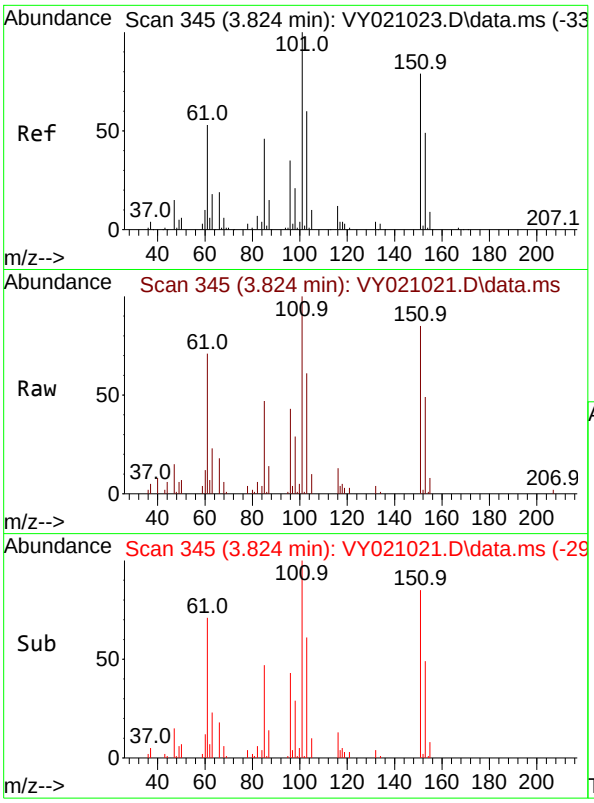



#8
Diethyl Ether
Concen: 12.745 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 74 Resp: 9330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.0 | 43.4 | 130.2 |

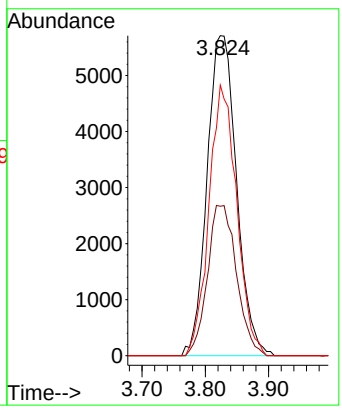





#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.194 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:101 Resp: 1848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 34.9 | 52.3 |
| 151 | 79.6 | 66.8 | 100.2 |




**Instrument :**
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VSTDICC010

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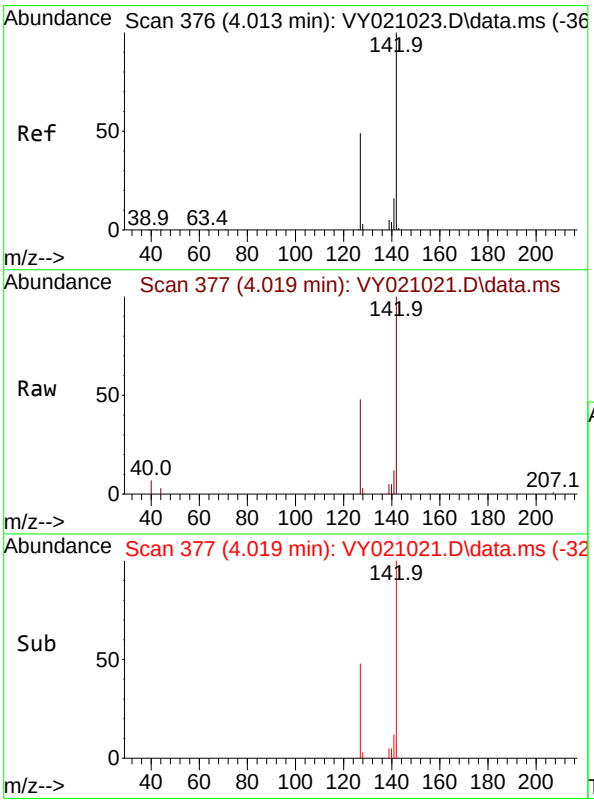
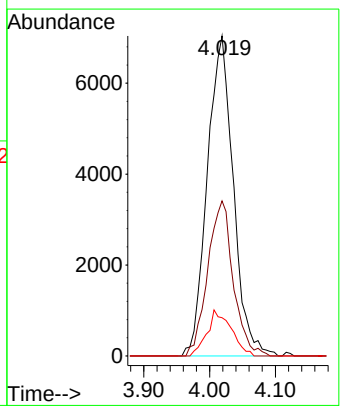
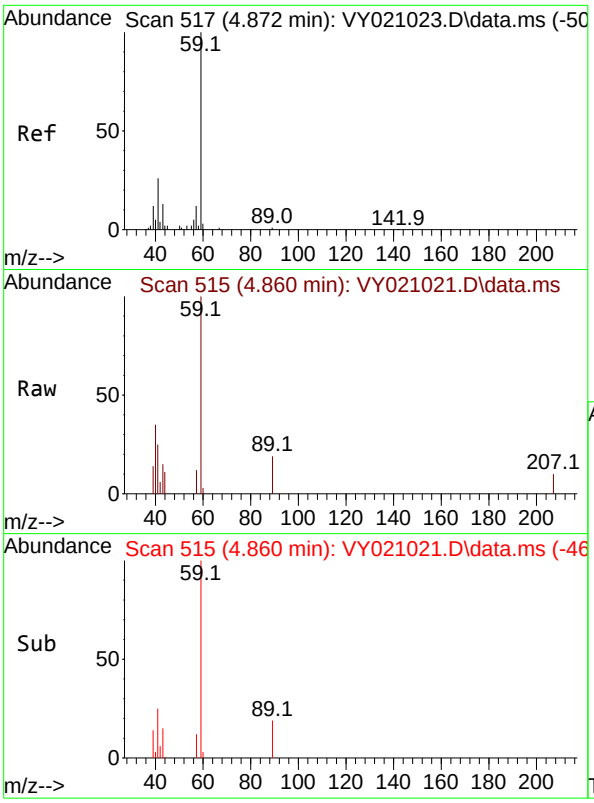



#10
Methyl Iodide
Concen: 10.258 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:142 Resp: 19381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.5 | 38.9 | 58.3 |
| 141 | 13.3 | 11.7 | 17.5 |

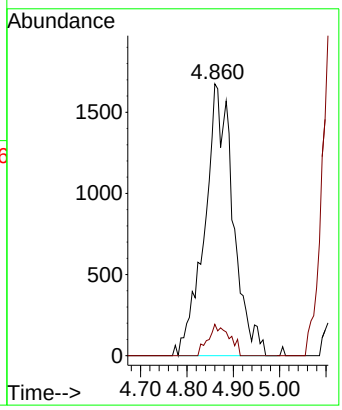





#11
Tert butyl alcohol
Concen: 63.135 ug/l m
RT: 4.860 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 59 Resp: 715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 8.6 | 7.8 | 11.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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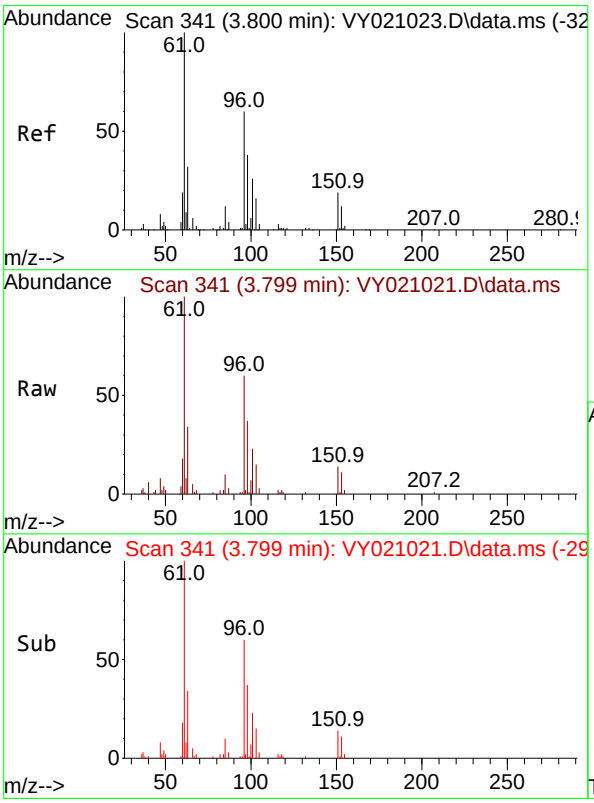
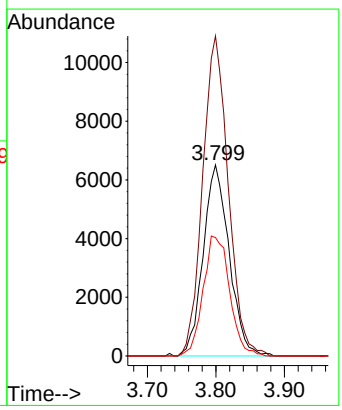
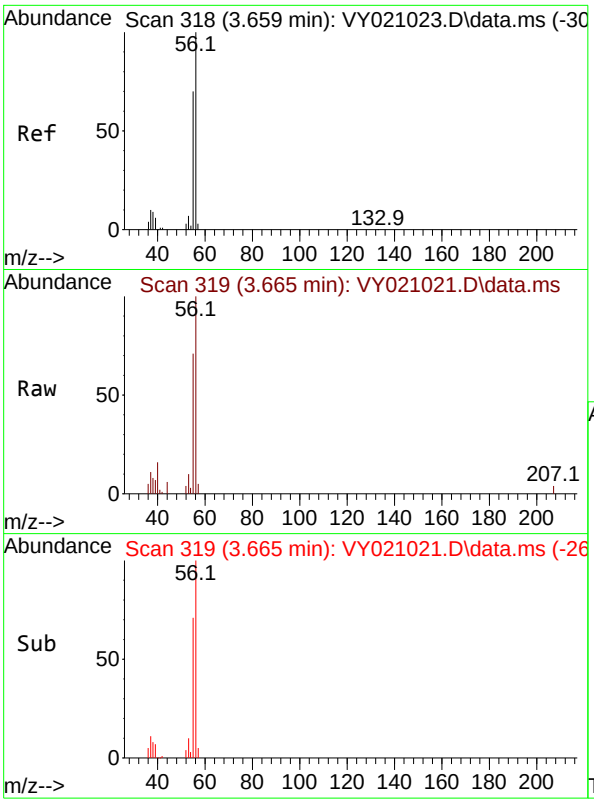



#12
1,1-Dichloroethene
Concen: 11.131 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 17176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 167.5 | 120.8 | 181.2 |
| 98 | 62.0 | 50.6 | 76.0 |

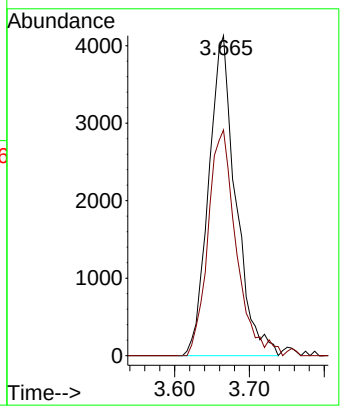





#13
Acrolein
Concen: 79.726 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 56 Resp: 1040

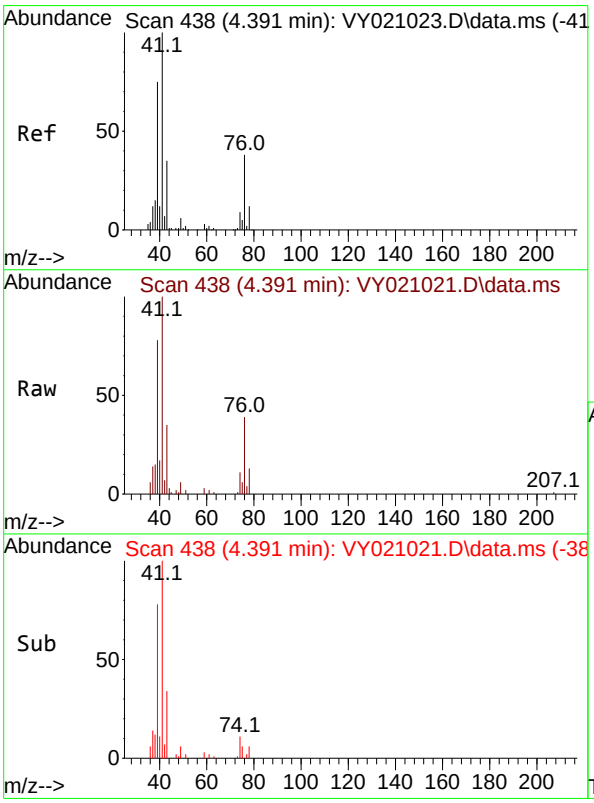
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.3 | 56.1 | 84.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

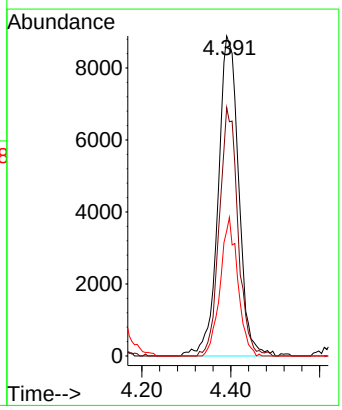
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

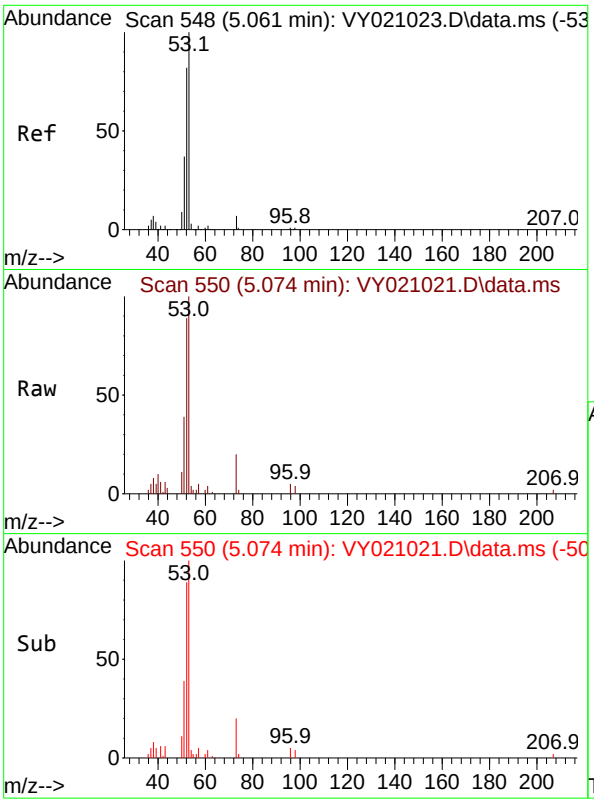



#14
Allyl chloride
Concen: 13.358 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 28376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 70.7 | 53.5 | 80.3 |
| 76 | 37.1 | 34.6 | 52.0 |

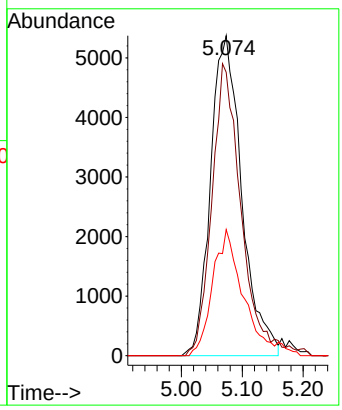





#15
Acrylonitrile
Concen: 63.446 ug/l
RT: 5.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 53 Resp: 1910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 86.0 | 66.2 | 99.4 |
| 51 | 38.0 | 29.4 | 44.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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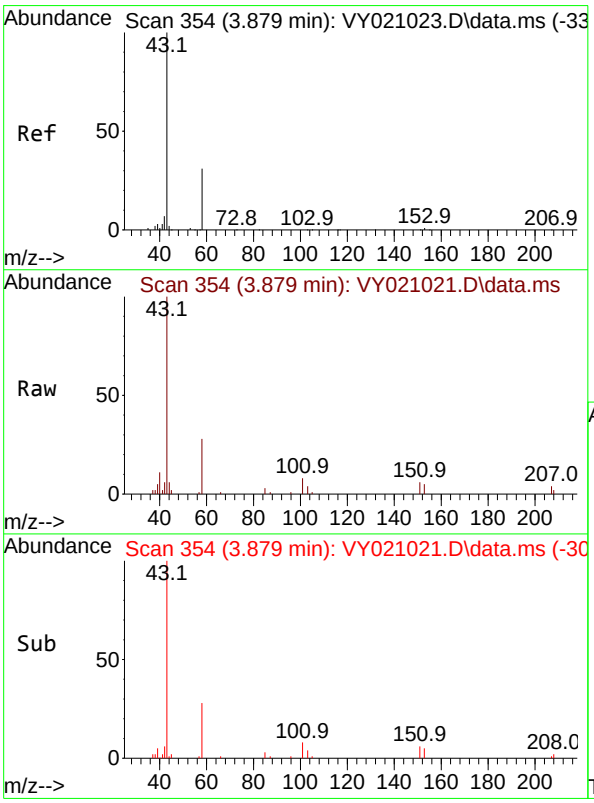
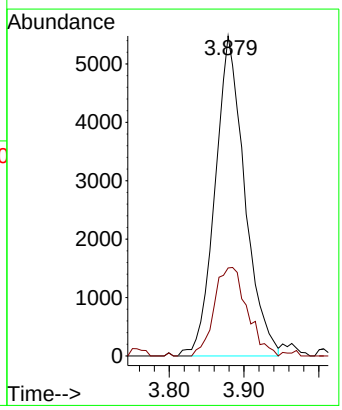
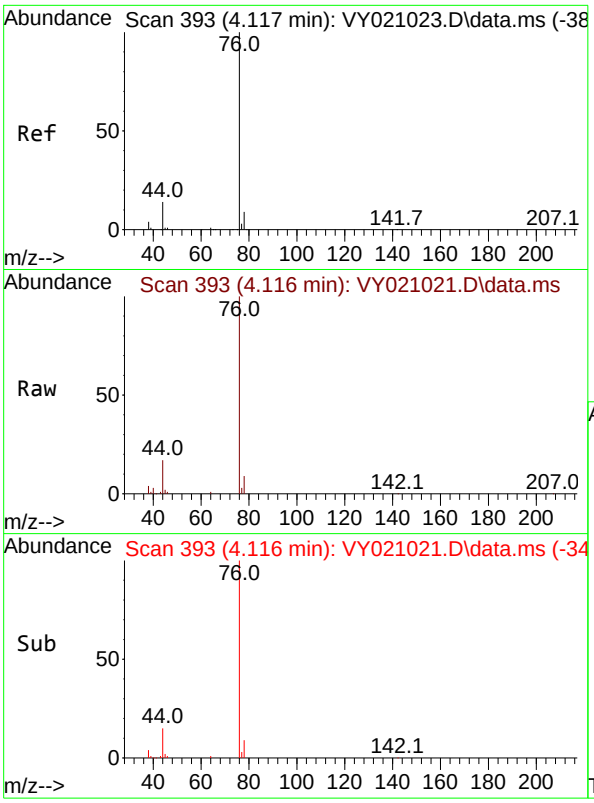



#16
Acetone
Concen: 71.438 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 15112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.5 | 28.4 | 42.6# |

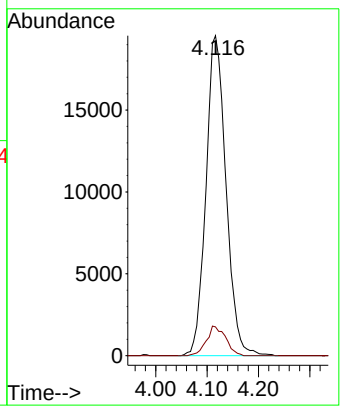





#17
Carbon Disulfide
Concen: 11.171 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 76 Resp: 5308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.3 | 10.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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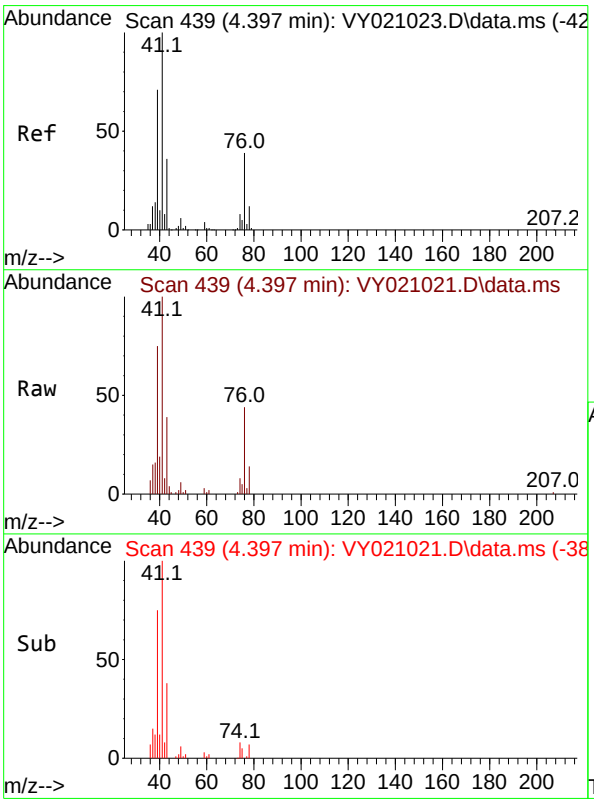
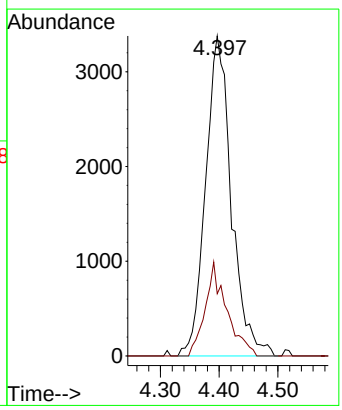
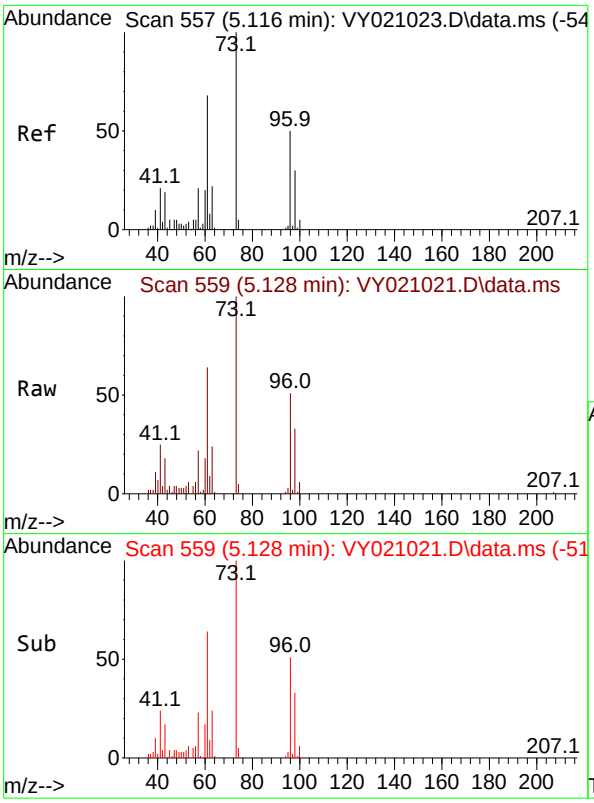



#18
Methyl Acetate
Concen: 13.911 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 10297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.6 | 22.2 | 33.4 |

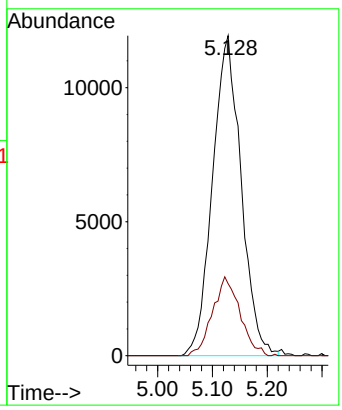





#19
Methyl tert-butyl Ether
Concen: 12.033 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 73 Resp: 4321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.5 | 16.6 | 25.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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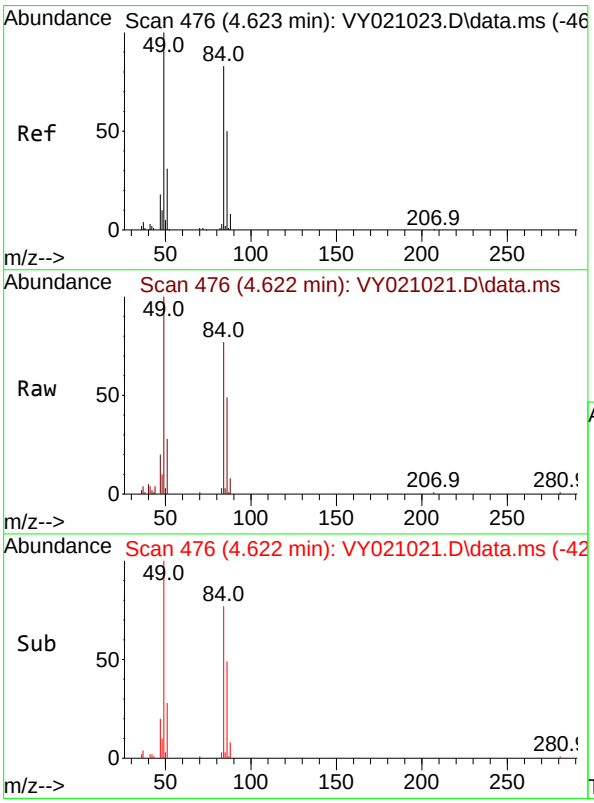
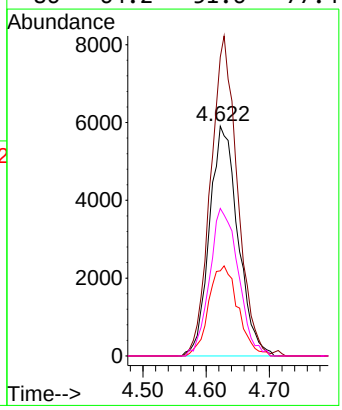
Supervised By :Semsettin Yesilyurt 02/04/2025

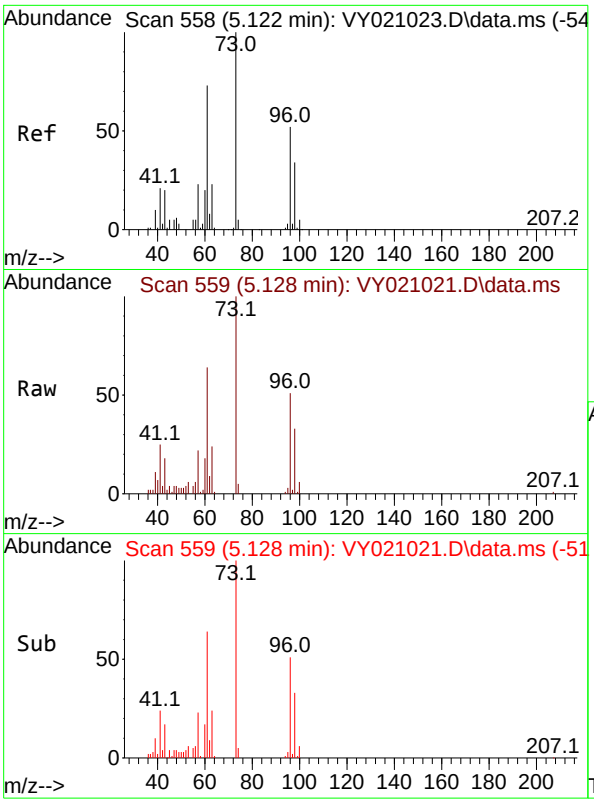



#20
Methylene Chloride
Concen: 11.829 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 84 Resp: 18455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.0 | 88.3 | 132.5 |
| 51 | 37.0 | 27.7 | 41.5 |
| 86 | 64.2 | 51.6 | 77.4 |

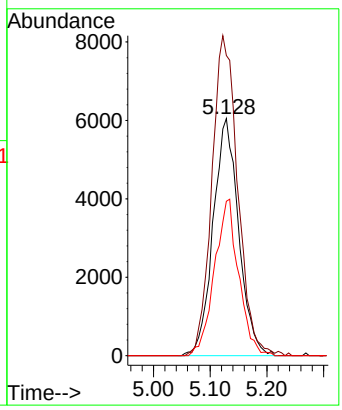





#21
trans-1,2-Dichloroethene
Concen: 11.426 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 1890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 126.5 | 101.5 | 152.3 |
| 98 | 65.1 | 52.0 | 78.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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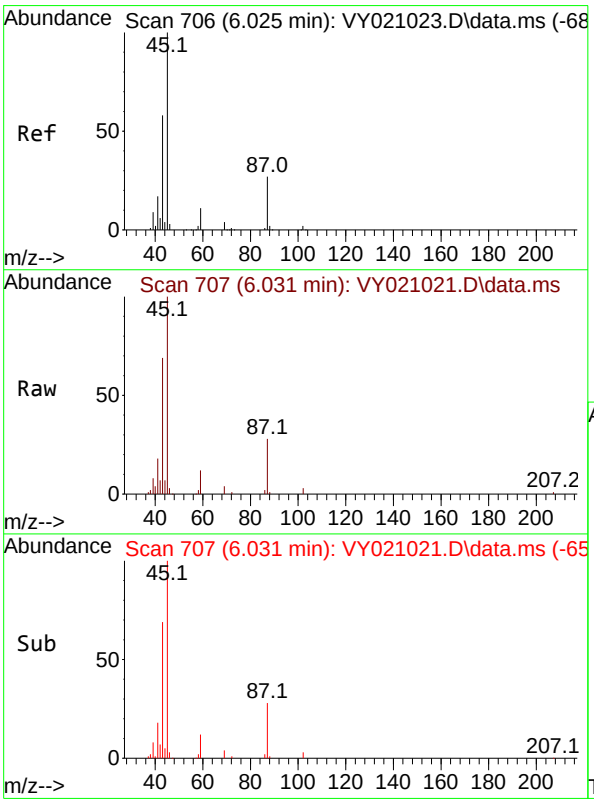
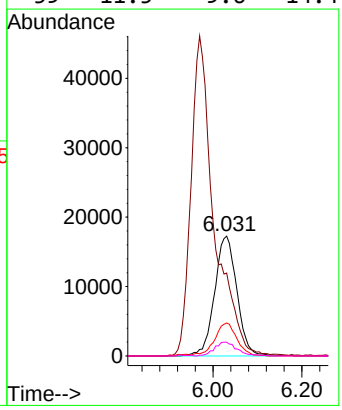
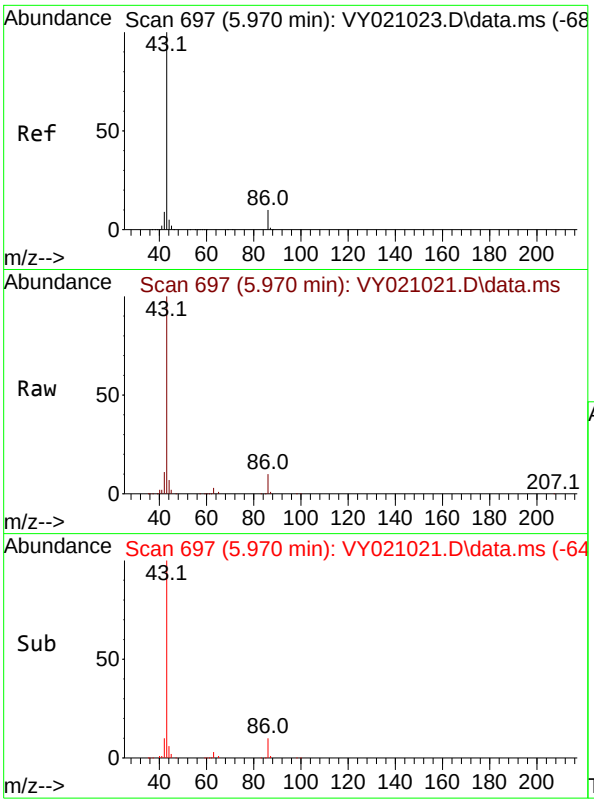



#22
Diisopropyl ether
Concen: 13.831 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 45 Resp: 59888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 67.8 | 45.1 | 67.7# |
| 87 | 27.5 | 25.0 | 37.4 |
| 59 | 11.5 | 9.6 | 14.4 |

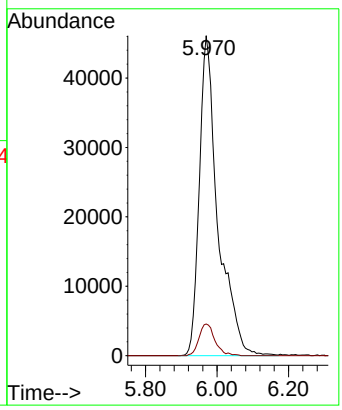





#23
Vinyl Acetate
Concen: 69.409 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 16643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.9 | 9.7 | 14.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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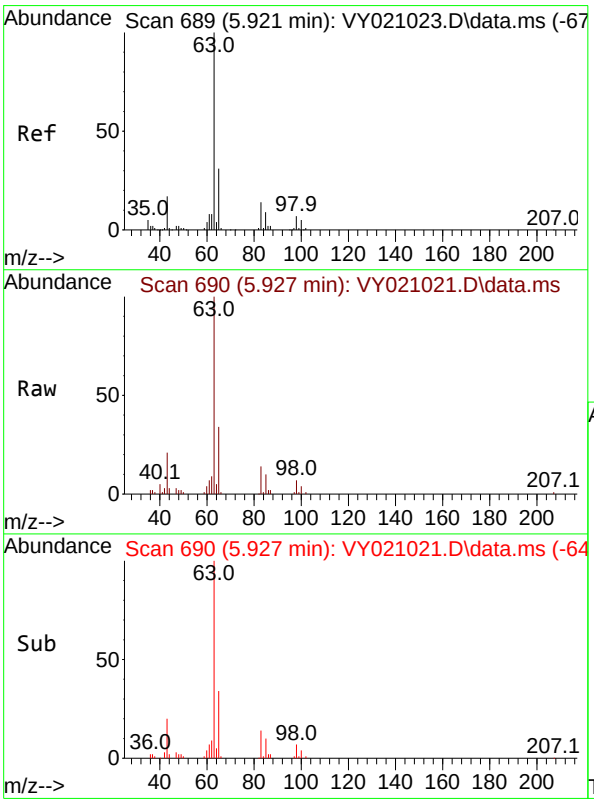
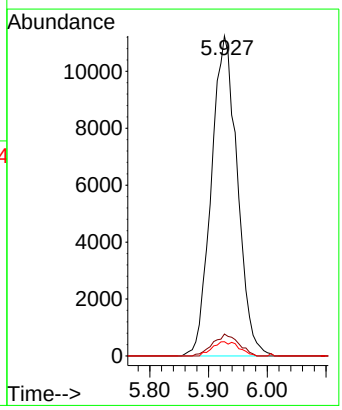
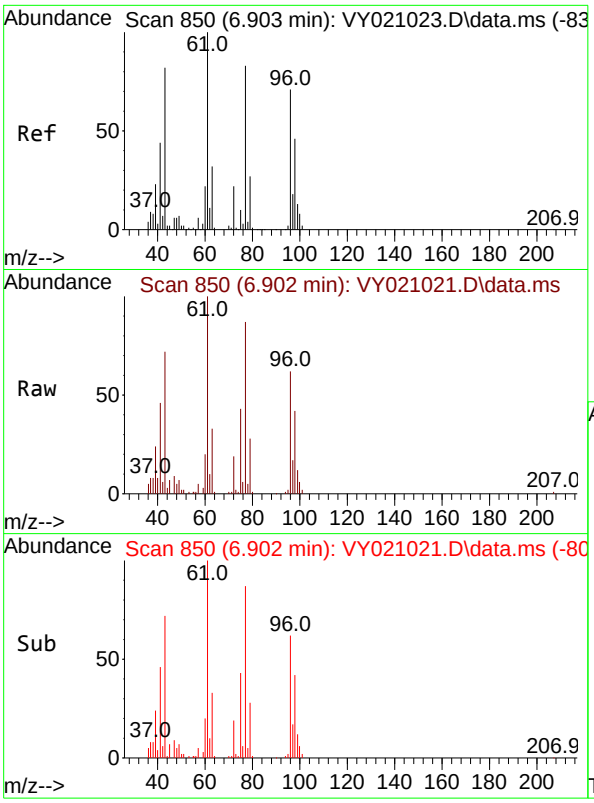



#24
1,1-Dichloroethane
Concen: 12.375 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 34569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.7 | 11.1 |
| 100 | 4.4 | 2.4 | 7.2 |

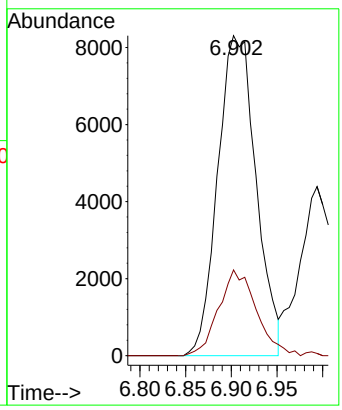





#25
2-Butanone
Concen: 67.624 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 2426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.8 | 24.3 | 36.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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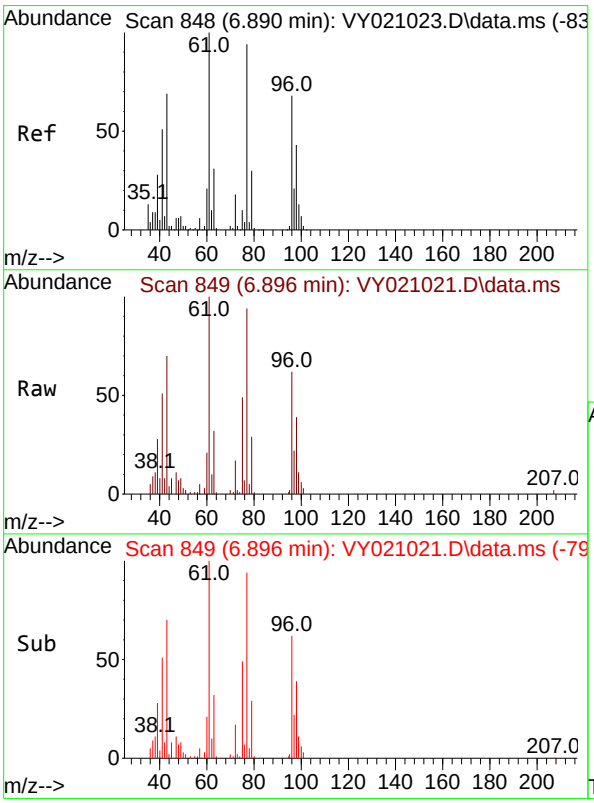
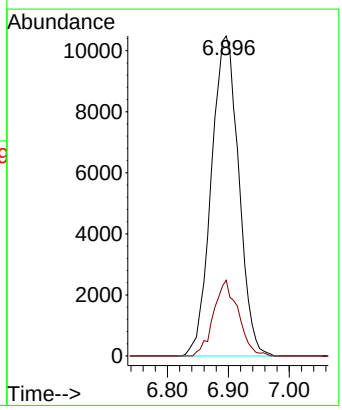
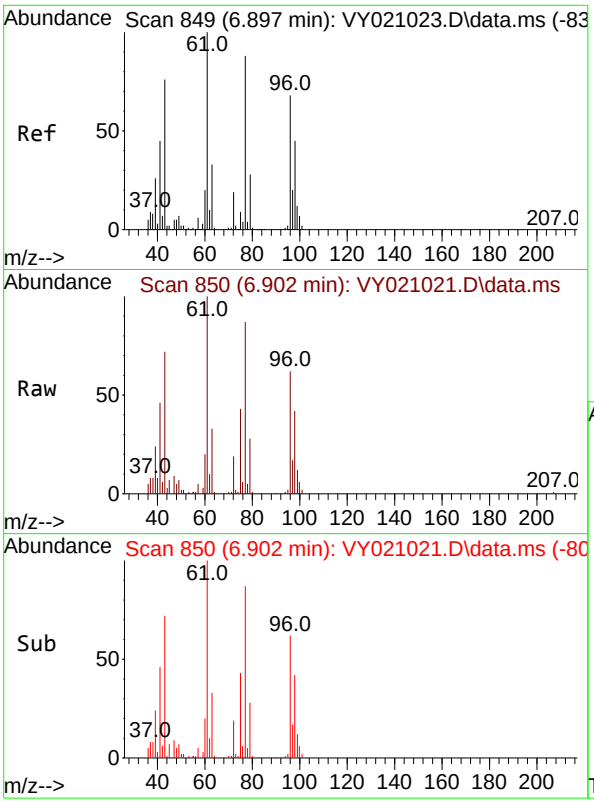



#26
2,2-Dichloropropane
Concen: 11.915 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 77 Resp: 32771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.3 | 11.4 | 34.2 |

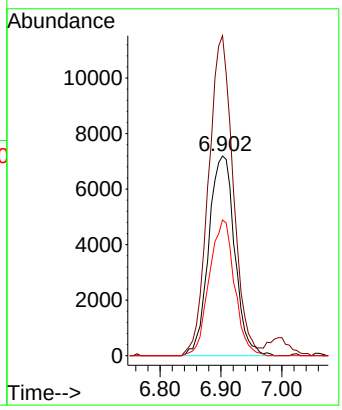





#27
cis-1,2-Dichloroethene
Concen: 11.206 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 2130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.6 | 0.0 | 274.0 |
| 98 | 65.8 | 0.0 | 130.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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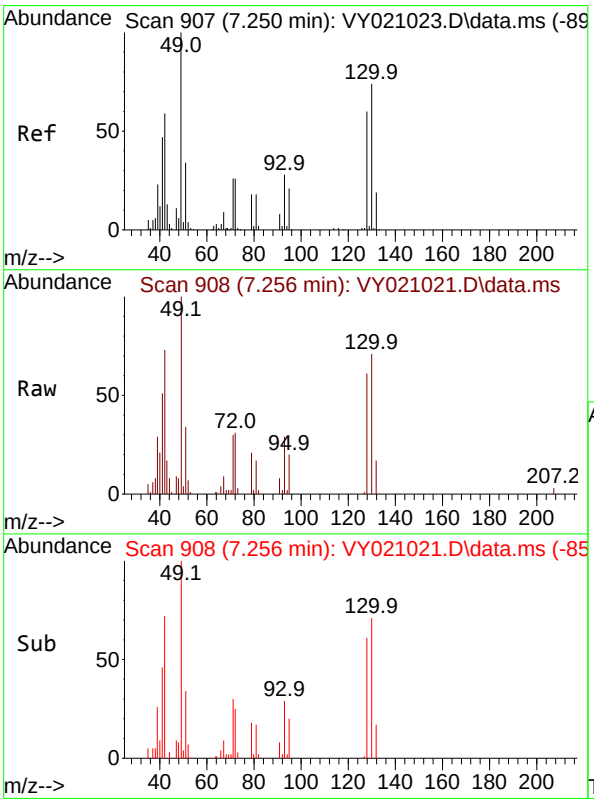
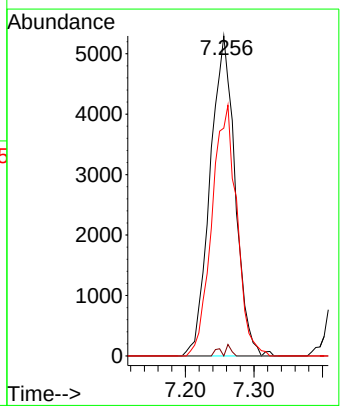
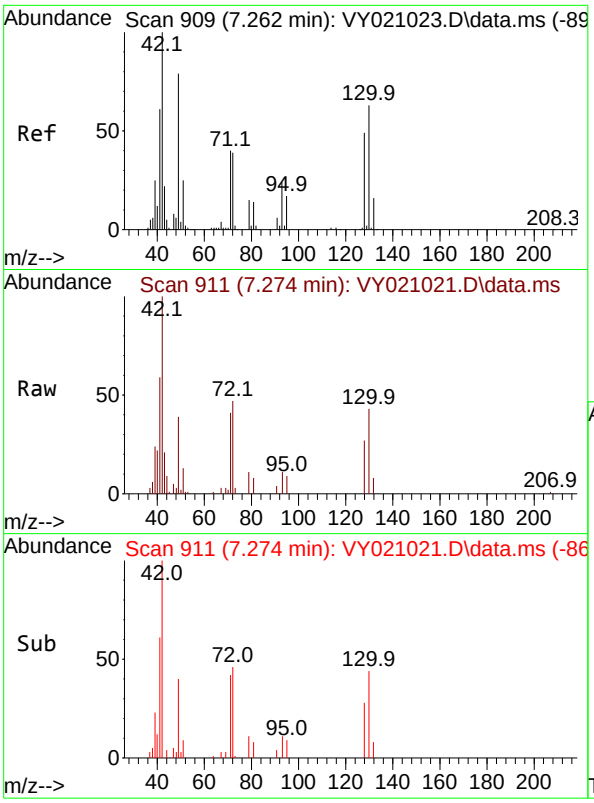



#28
Bromochloromethane
Concen: 12.892 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 49 Resp: 13417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.7 | 0.0 | 5.0 |
| 130 | 78.2 | 73.2 | 109.8 |

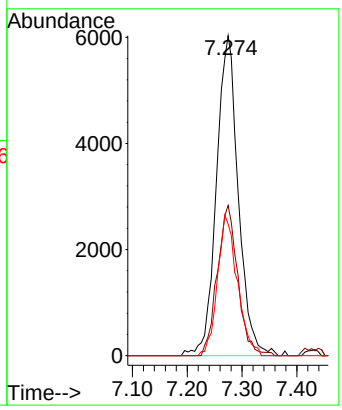





#29
Tetrahydrofuran
Concen: 69.395 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 42 Resp: 1675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.8 | 39.3 | 58.9 |
| 71 | 39.8 | 36.1 | 54.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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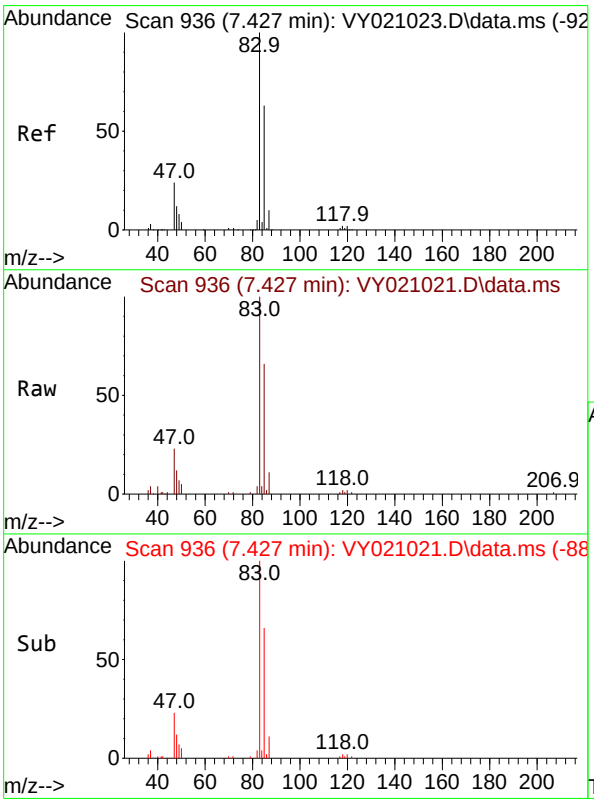
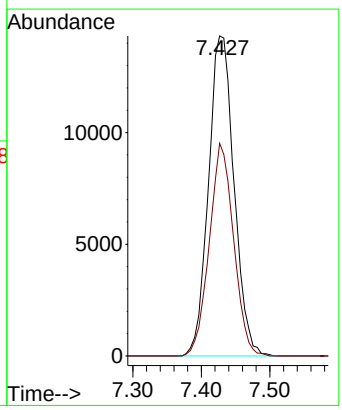
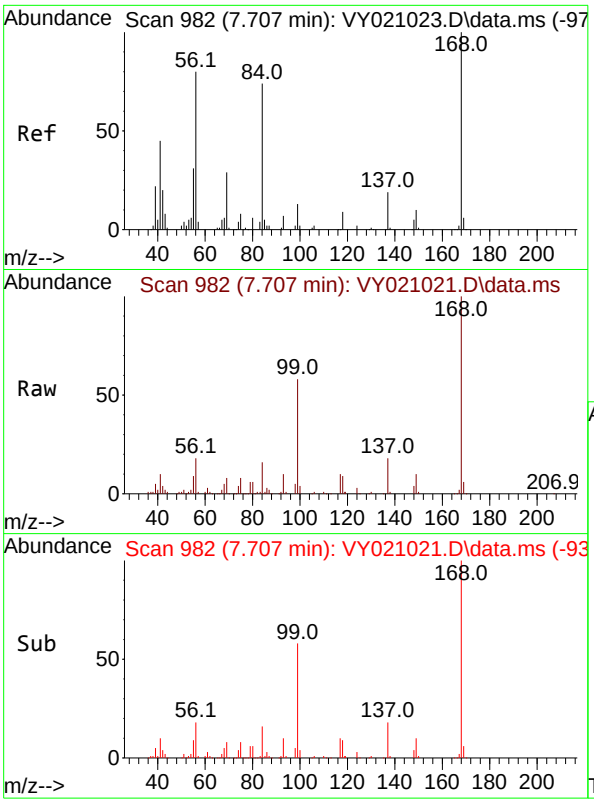



#30
Chloroform
Concen: 12.247 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 37054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.4 | 52.9 | 79.3 |






#31
Cyclohexane
Concen: 11.819 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

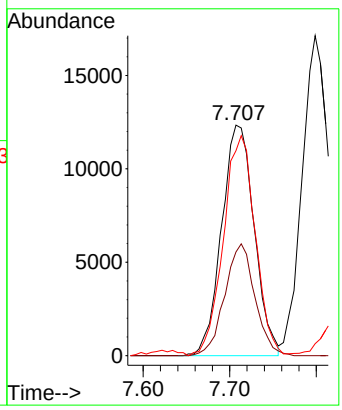
Tgt Ion: 56 Resp: 3227

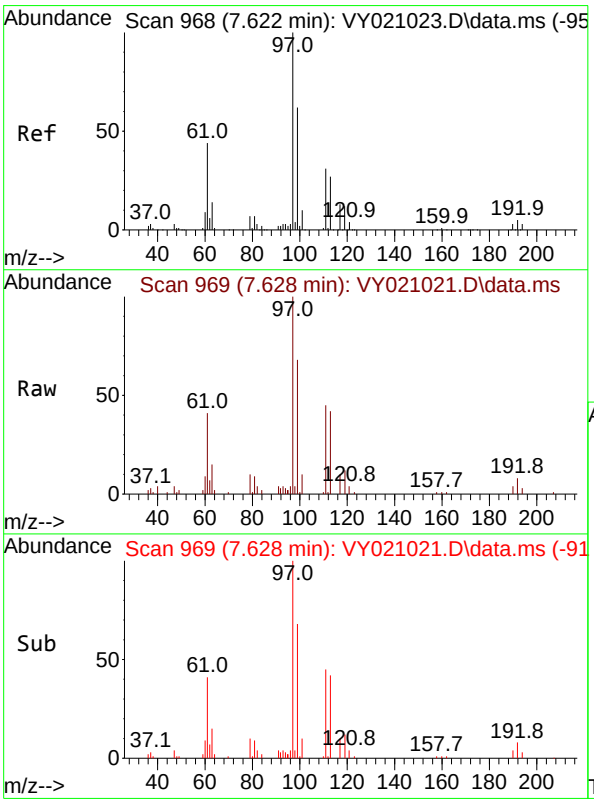
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 44.9 | 27.7 | 41.5 |
| 84 | 87.6 | 77.5 | 116.3 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

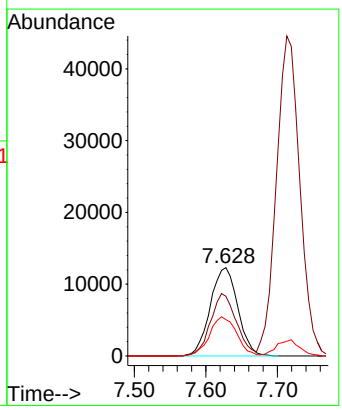


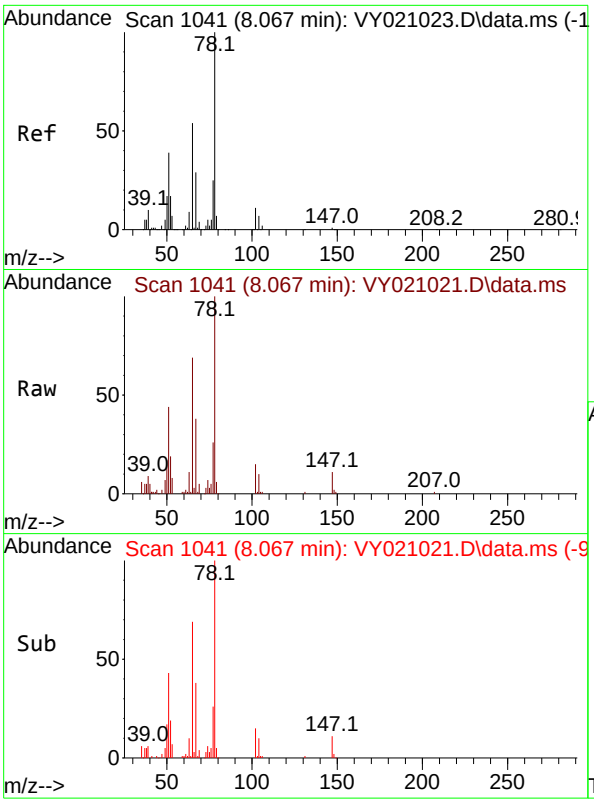




#32
1,1,1-Trichloroethane
Concen: 11.223 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 97 Resp: 32862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.6 | 51.4 | 77.0 |
| 61 | 43.8 | 31.4 | 47.0 |

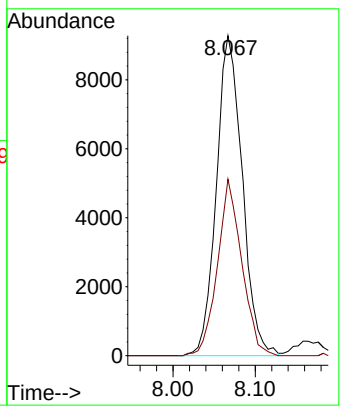





#33
1,2-Dichloroethane-d4
Concen: 13.075 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 65 Resp: 2029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 104.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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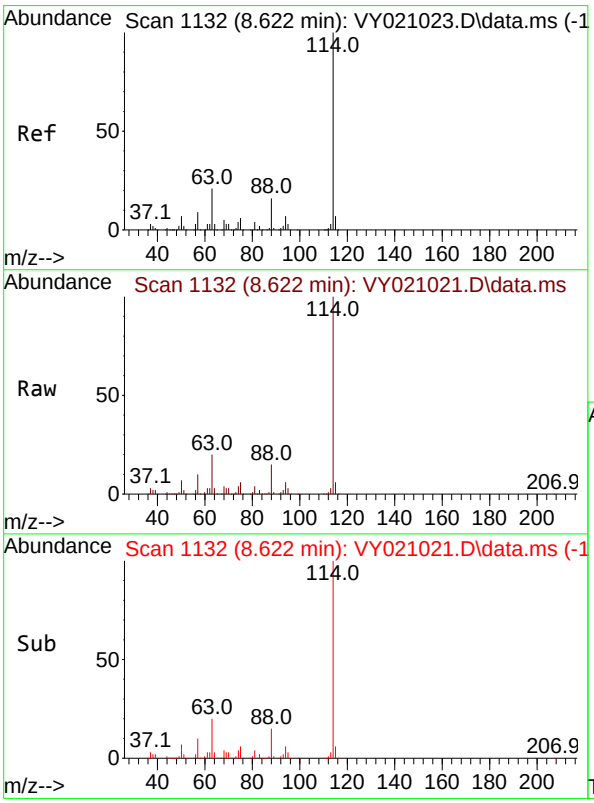
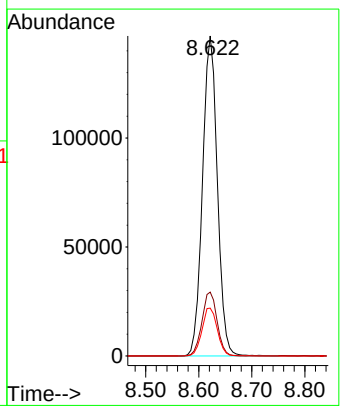
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

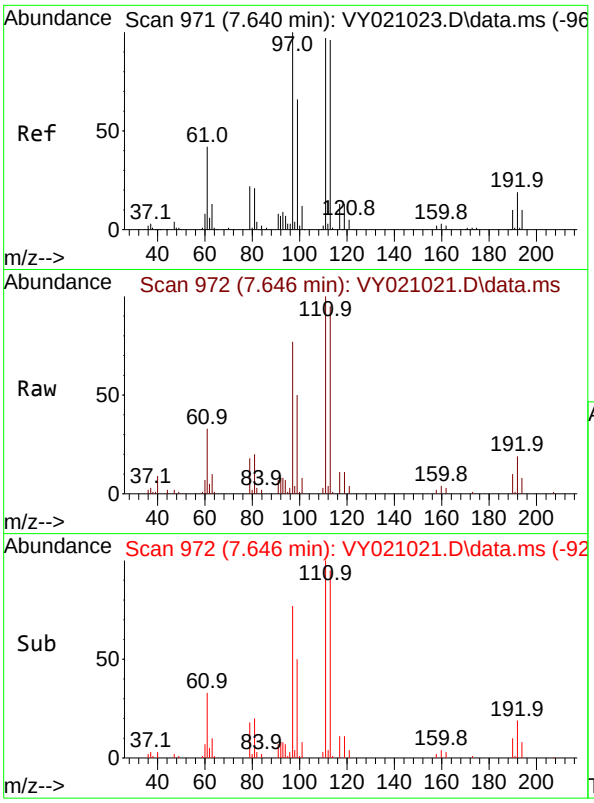



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:114 Resp: 285332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.0 | 0.0 | 37.2 |
| 88 | 15.0 | 0.0 | 29.6 |

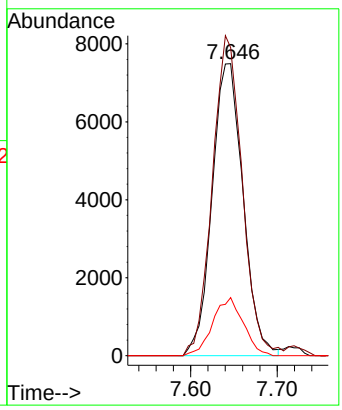





#35
Dibromofluoromethane
Concen: 10.859 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:113 Resp: 1862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.3 | 82.6 | 123.8 |
| 192 | 19.6 | 16.8 | 25.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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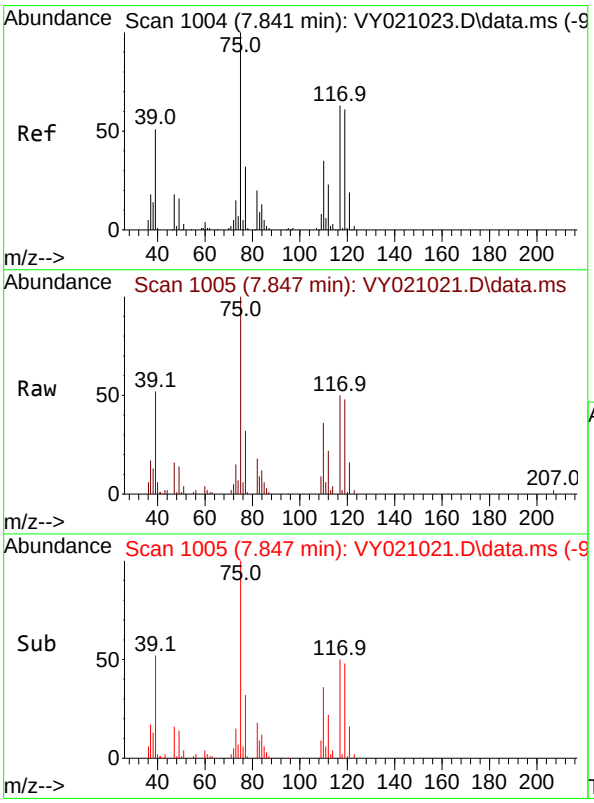
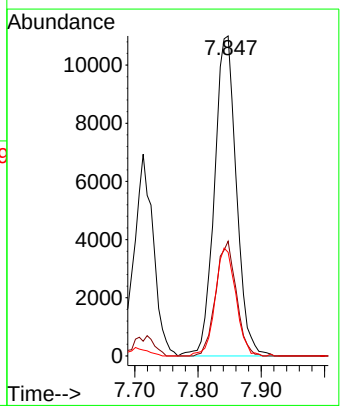
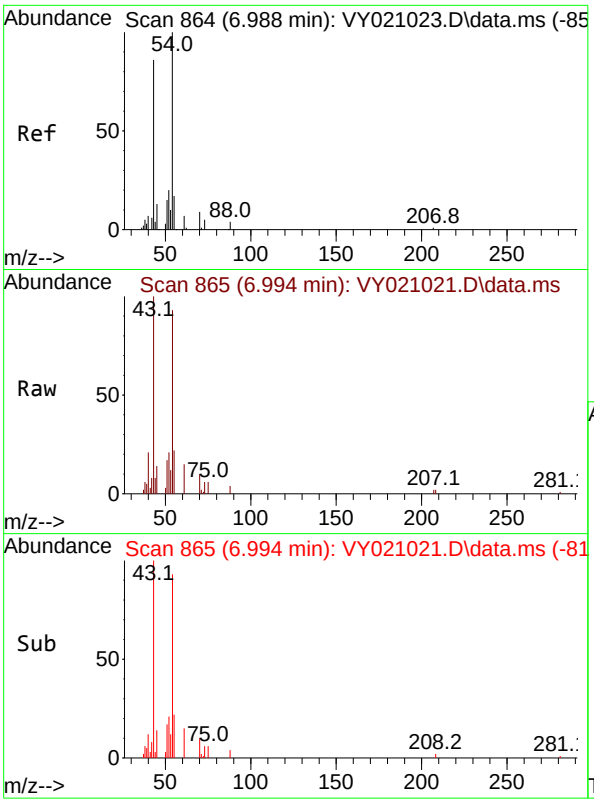



#36
1,1-Dichloropropene
Concen: 10.820 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 26479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.6 | 18.4 | 55.2 |
| 77 | 31.8 | 24.9 | 37.3 |

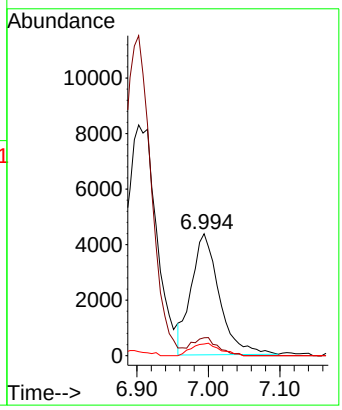





#37
Ethyl Acetate
Concen: 13.017 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 1187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 11.4 | 17.0 |
| 70 | 10.3 | 9.6 | 14.4 |




**Instrument :**
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**ClientSampleId :**
VSTDICC010

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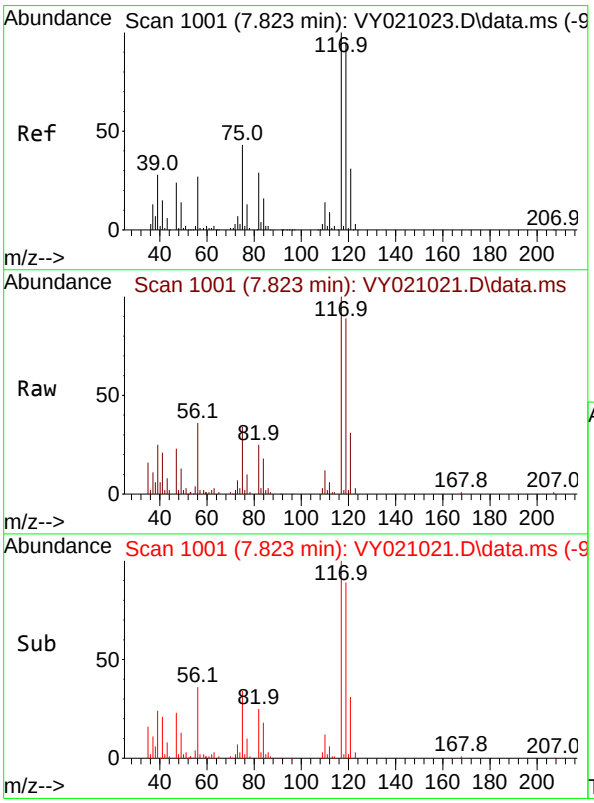
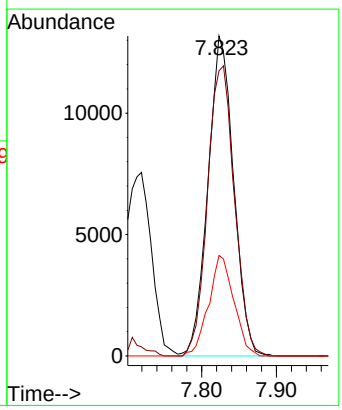
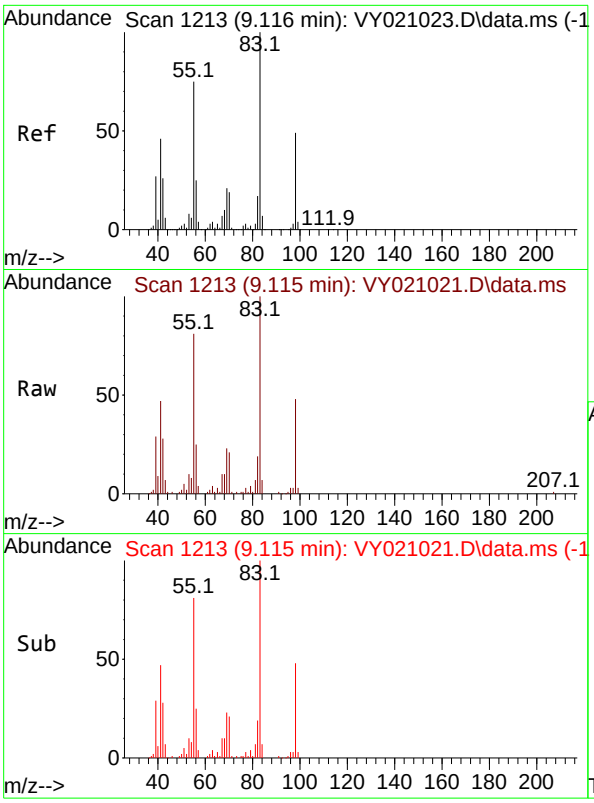



#38
Carbon Tetrachloride
Concen: 10.389 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 31462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 89.1 | 75.0 | 112.6 |
| 121 | 31.4 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 9.549 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 3139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.9 | 54.9 | 82.3 |
| 98 | 48.1 | 40.5 | 60.7 |

**Instrument :**
MSVOA_Y
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VSTDICC010

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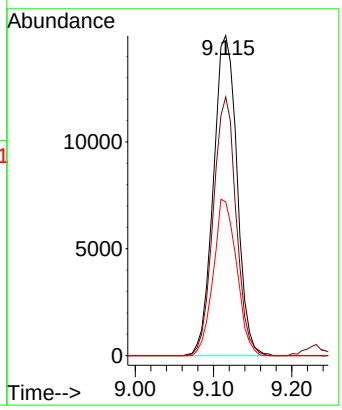
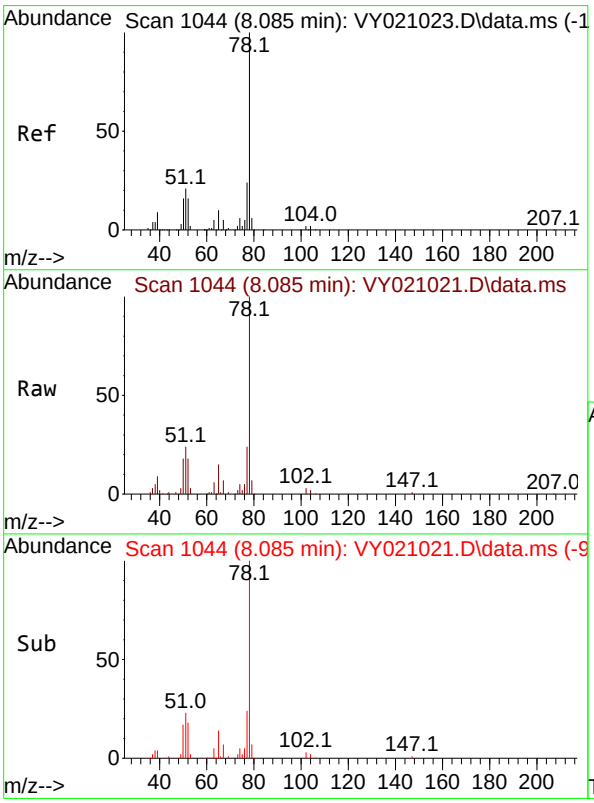
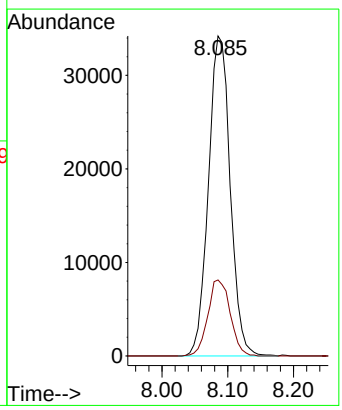


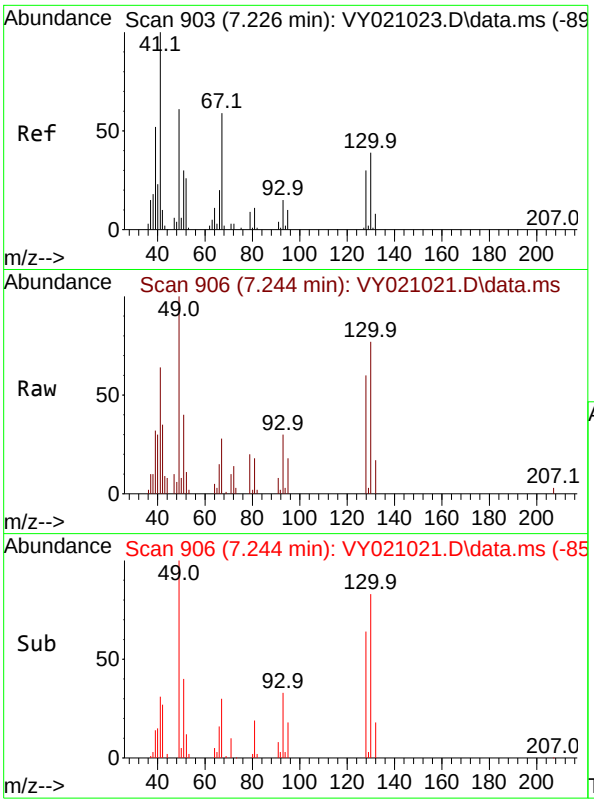




#40
Benzene
Concen: 10.950 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 78 Resp: 78846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.4 | 29.2 |

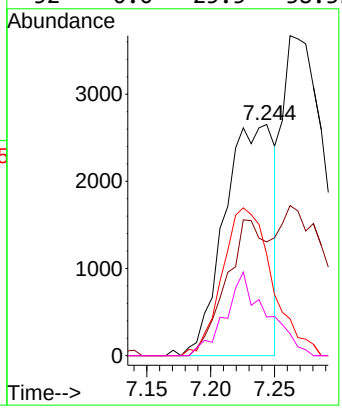





#41
Methacrylonitrile
Concen: 14.253 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.019 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.7 | 41.6 | 62.4 |
| 67 | 0.0 | 63.8 | 95.6# |
| 52 | 0.0 | 25.5 | 38.3# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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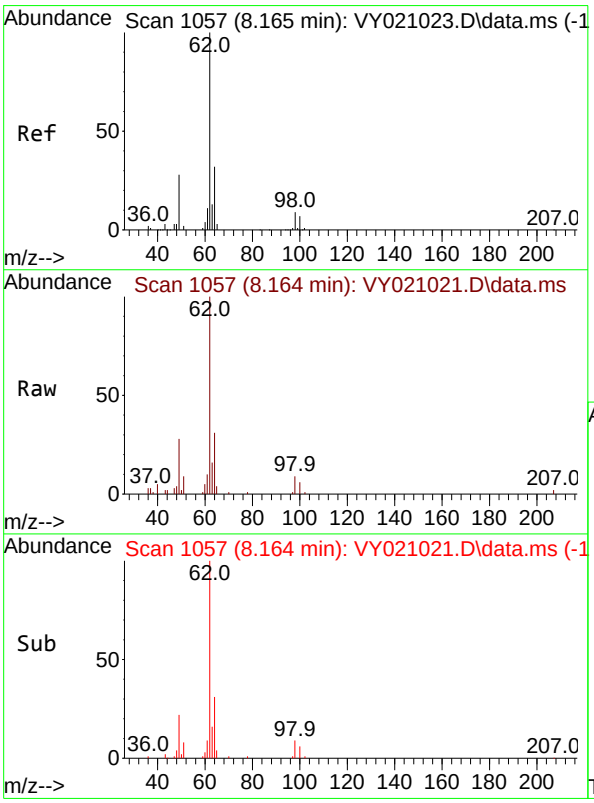
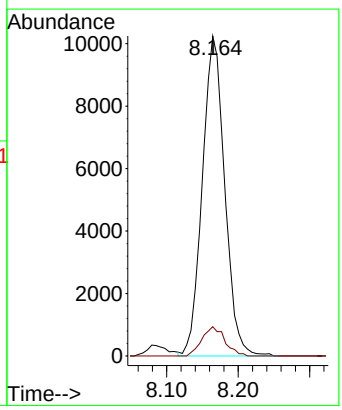
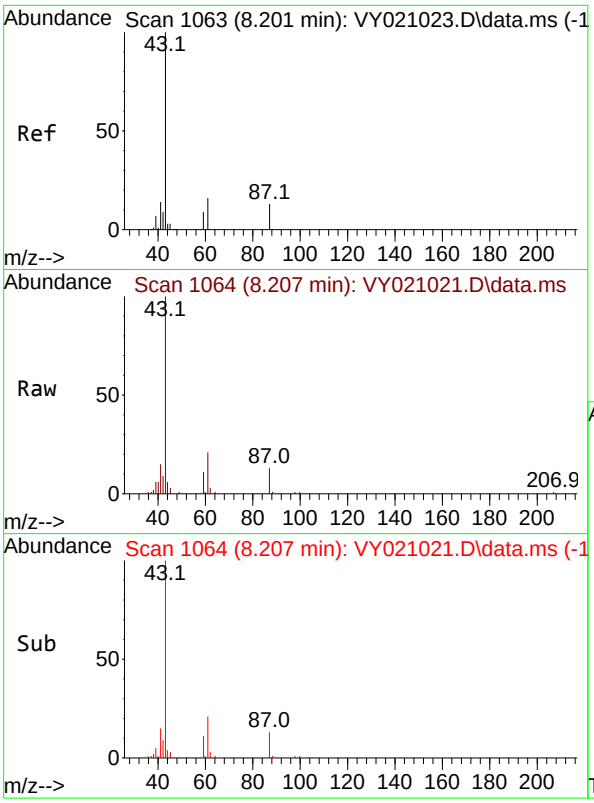



#42
1,2-Dichloroethane
Concen: 12.201 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 62 Resp: 22281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 19.4 |






#43
Isopropyl Acetate
Concen: 13.055 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 2379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 29.8 | 15.8 | 23.6# |
| 87 | 12.1 | 12.5 | 18.7# |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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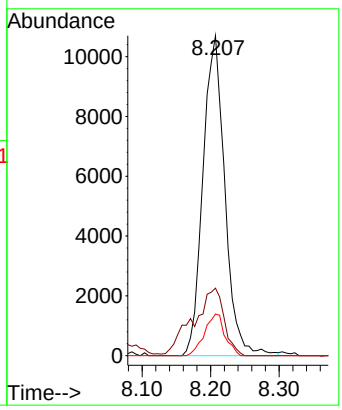
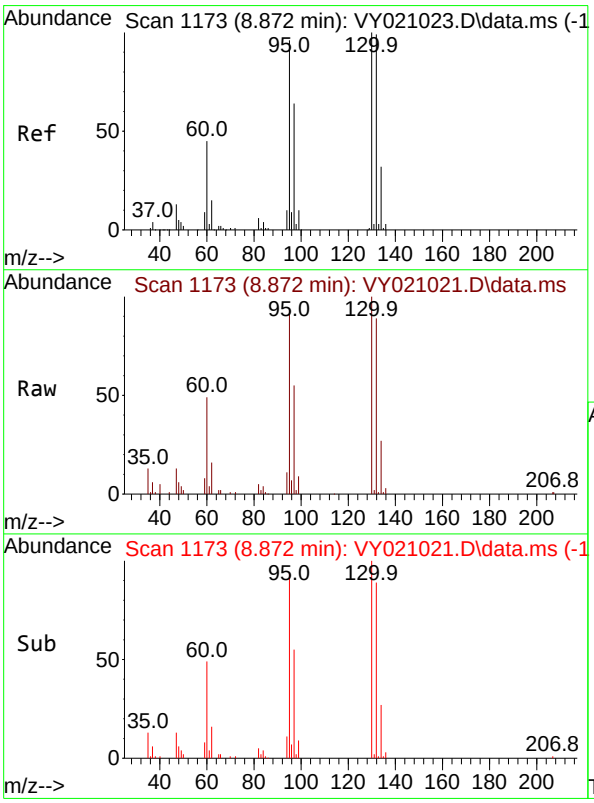
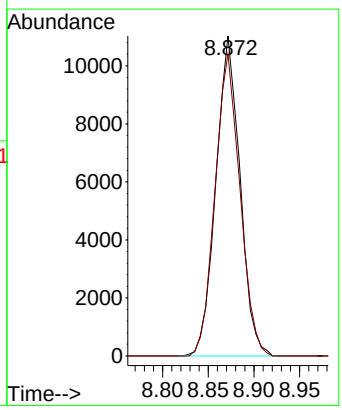


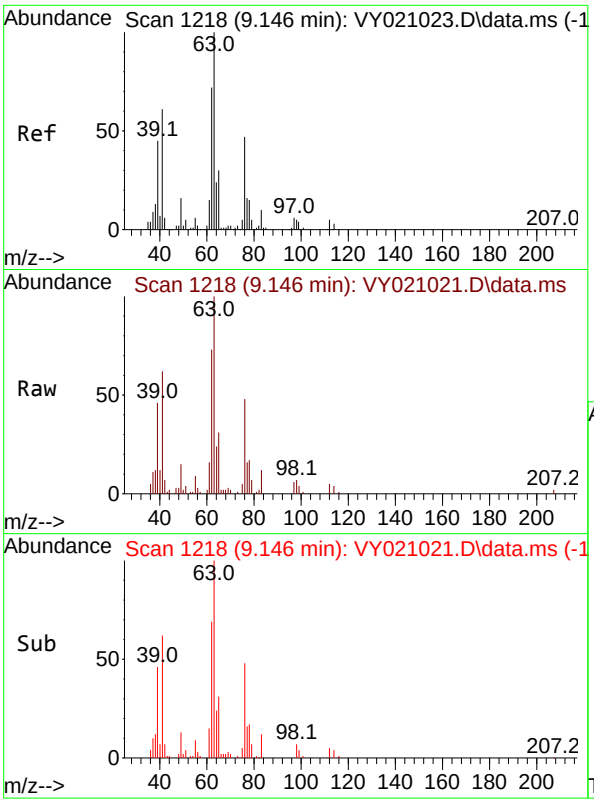




#44
Trichloroethene
Concen: 10.197 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:130 Resp: 20261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.4 | 0.0 | 189.6 |

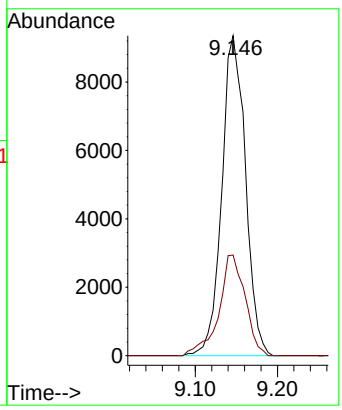





#45
1,2-Dichloropropane
Concen: 11.627 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 1876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 23.6 | 35.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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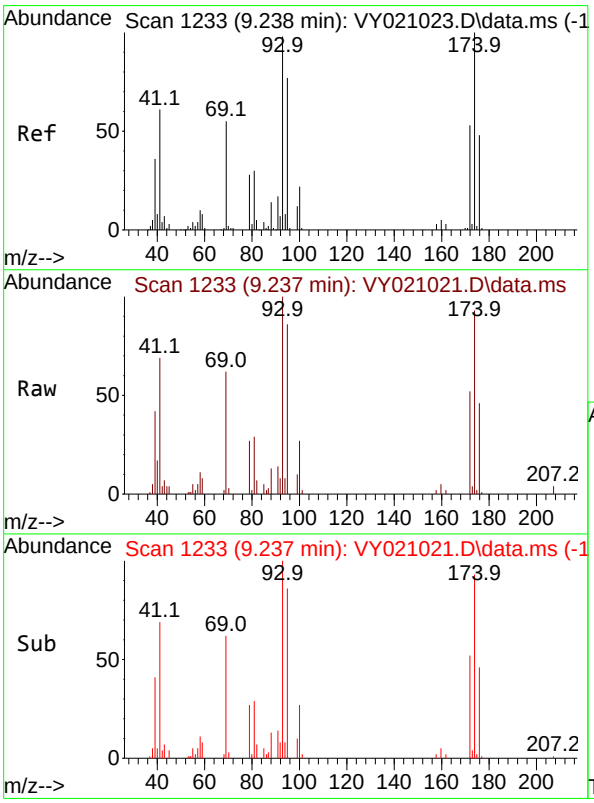
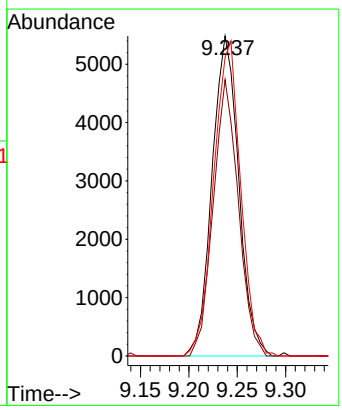
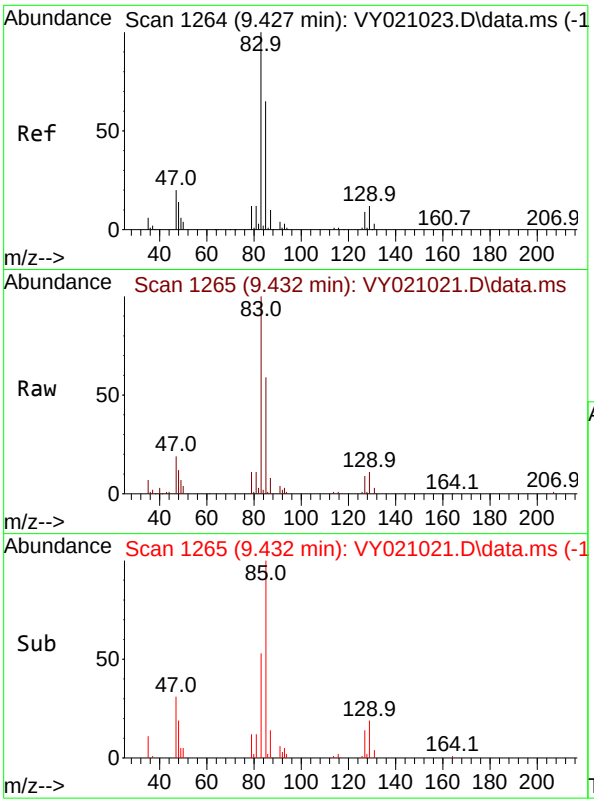



#46
Dibromomethane
Concen: 11.191 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 93 Resp: 10511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.3 | 65.8 | 98.8 |
| 174 | 99.5 | 88.1 | 132.1 |

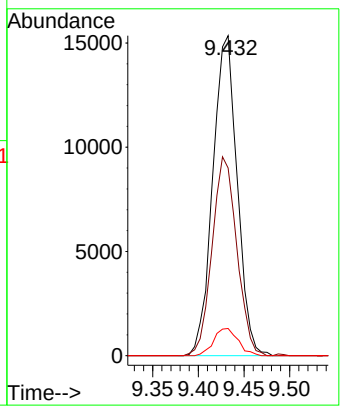





#47
Bromodichloromethane
Concen: 11.570 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 2853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 58.7 | 49.6 | 74.4 |
| 127 | 8.5 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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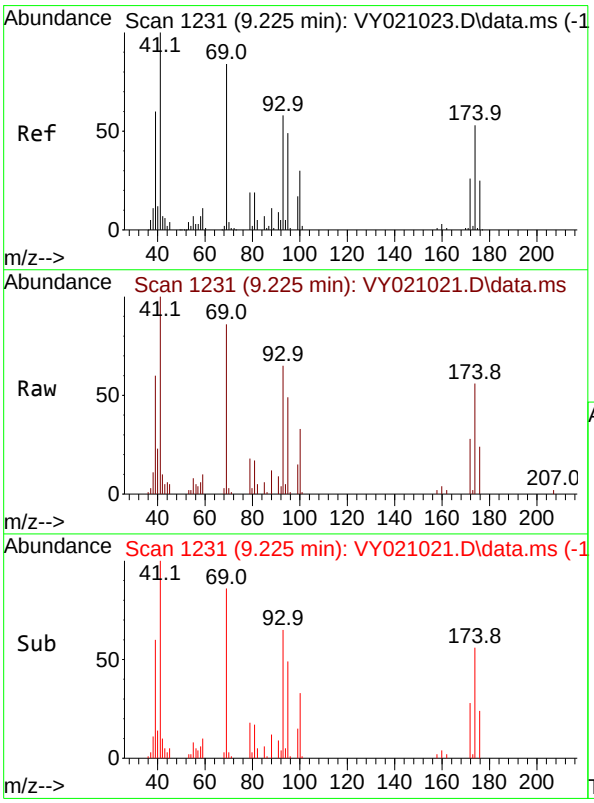
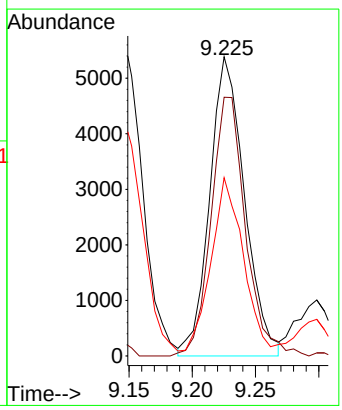
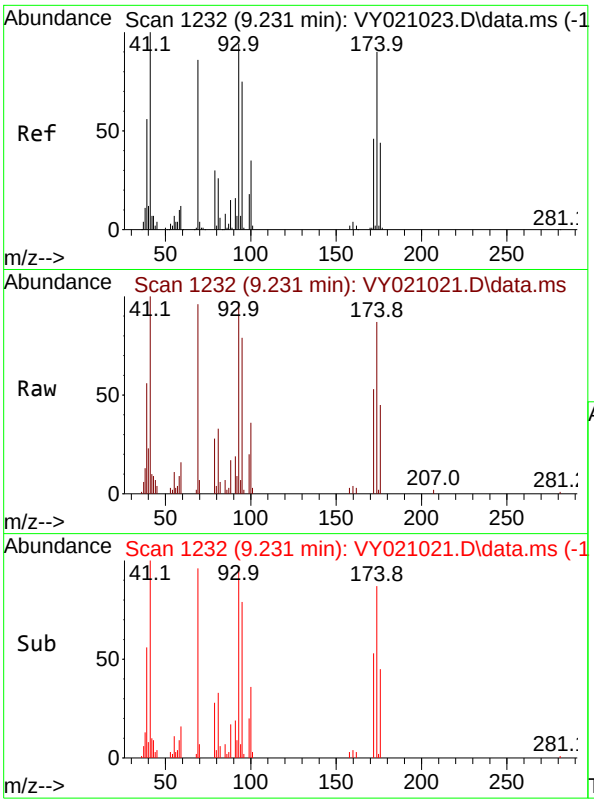



#48
Methyl methacrylate
Concen: 11.866 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 10297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 85.7 | 75.6 | 113.4 |
| 39 | 54.0 | 41.3 | 61.9 |

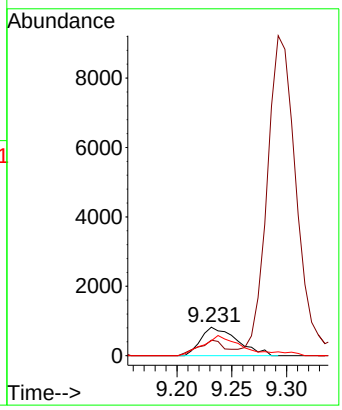





#49
1,4-Dioxane
Concen: 188.876 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 88 Resp: 188

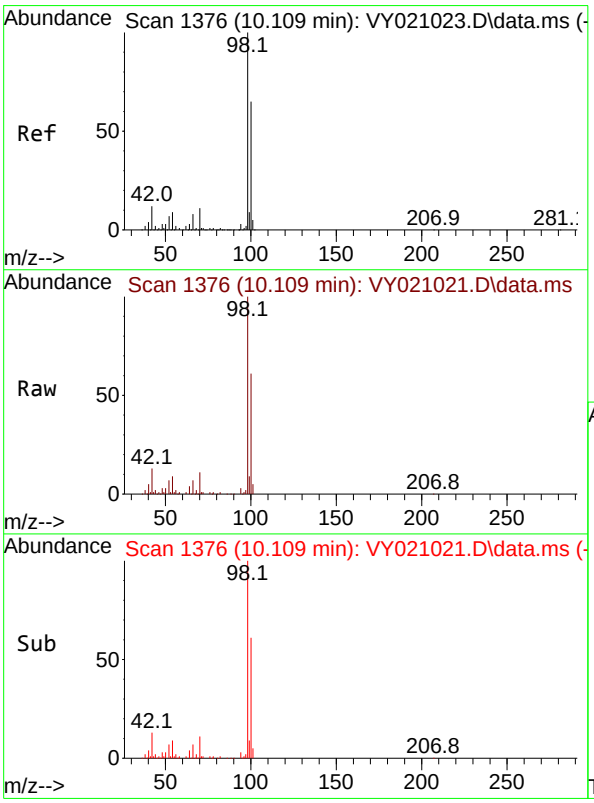
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.2 | 24.2 | 36.4 |
| 58 | 79.4 | 57.3 | 85.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

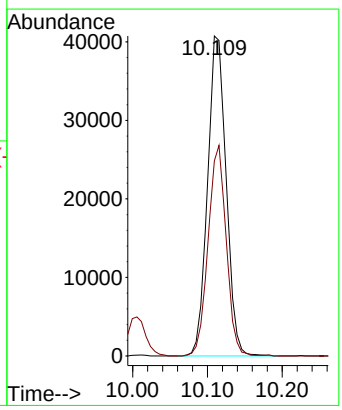
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

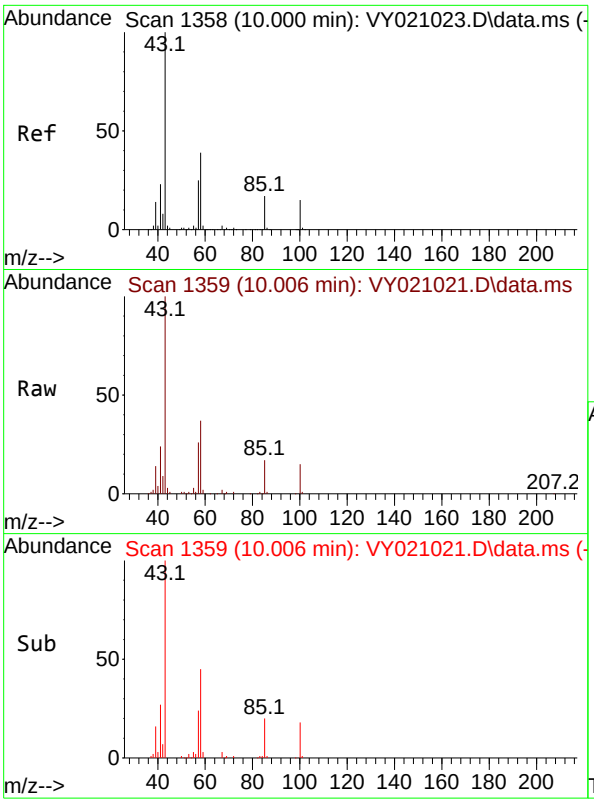



#50
Toluene-d8
Concen: 10.540 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 98 Resp: 70569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 52.6 | 79.0 |

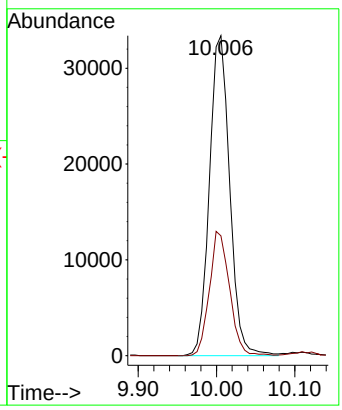





#51
4-Methyl-2-Pentanone
Concen: 64.159 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 6008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.5 | 33.8 | 50.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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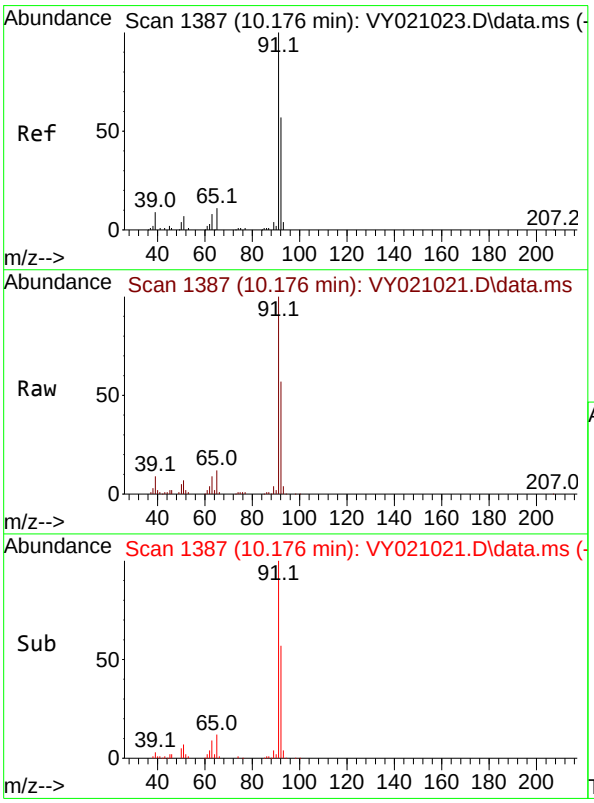
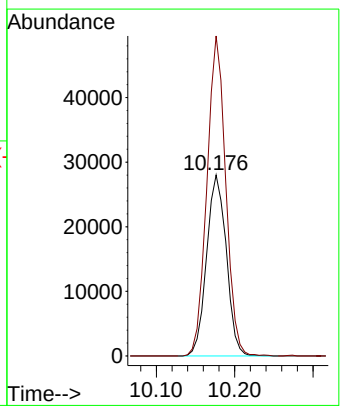
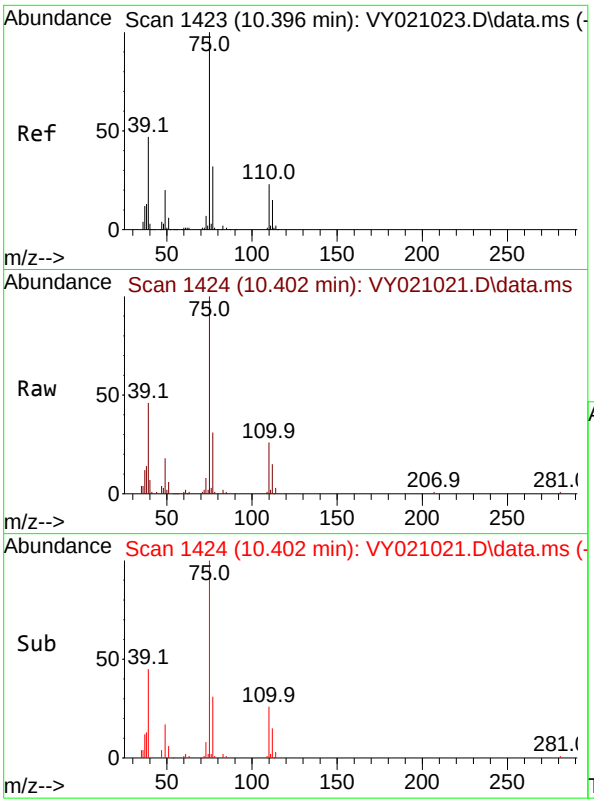



#52
Toluene
Concen: 10.457 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 92 Resp: 48876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.9 | 135.8 | 203.8 |






#53
t-1,3-Dichloropropene
Concen: 10.888 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 2430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.9 | 38.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

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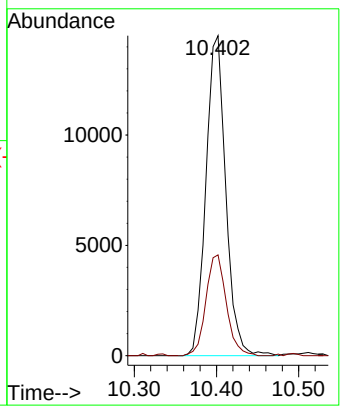
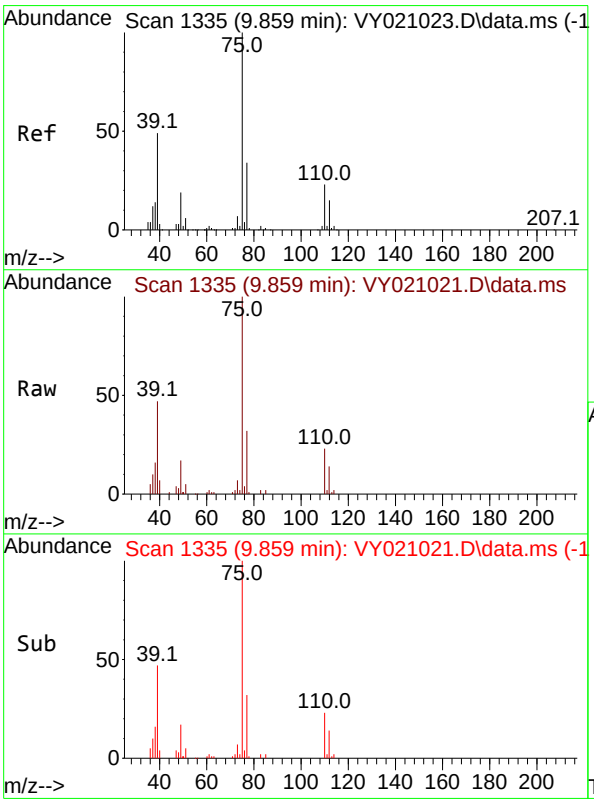
Supervised By :Semsettin Yesilyurt 02/04/2025

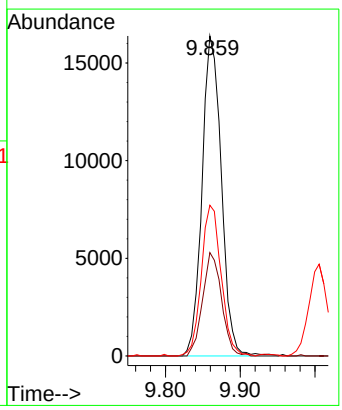


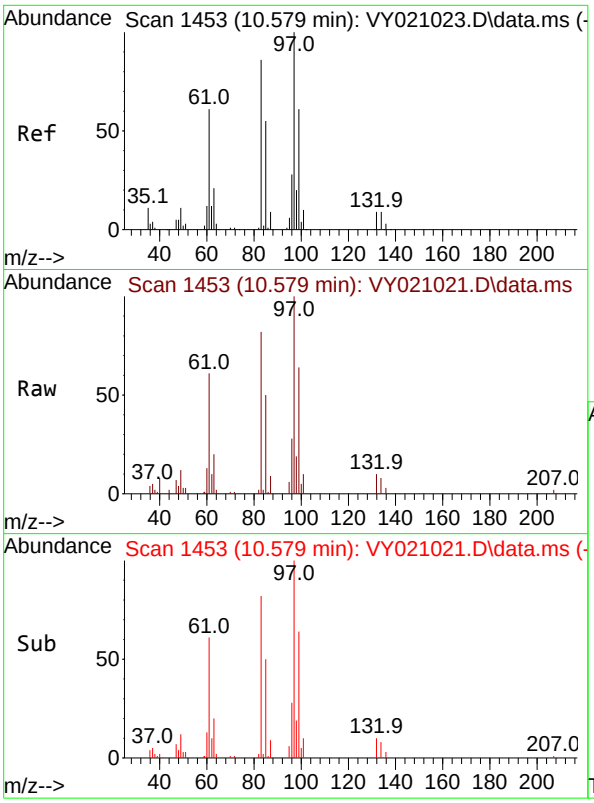




#54
cis-1,3-Dichloropropene
Concen: 11.031 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 29426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.4 | 38.0 |
| 39 | 47.1 | 32.2 | 48.2 |

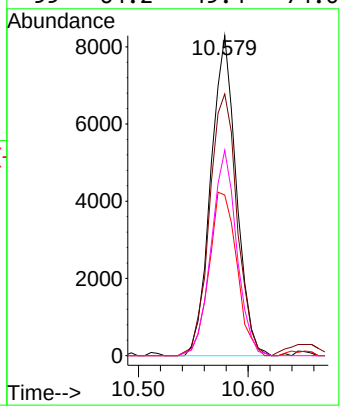





#55
1,1,2-Trichloroethane
Concen: 10.748 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 97 Resp: 1342

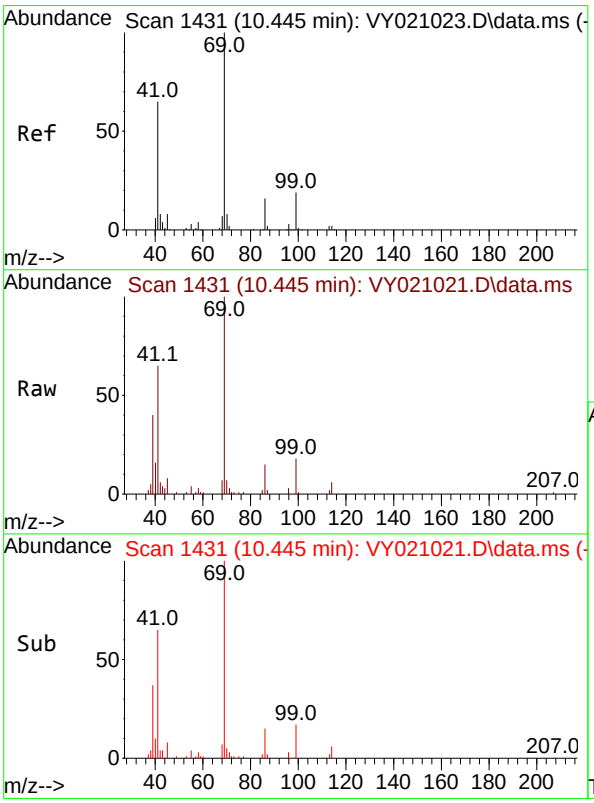
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.8 | 67.7 | 101.5 |
| 85 | 50.2 | 43.4 | 65.2 |
| 99 | 64.2 | 49.4 | 74.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

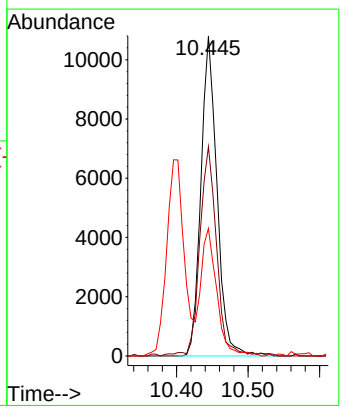
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

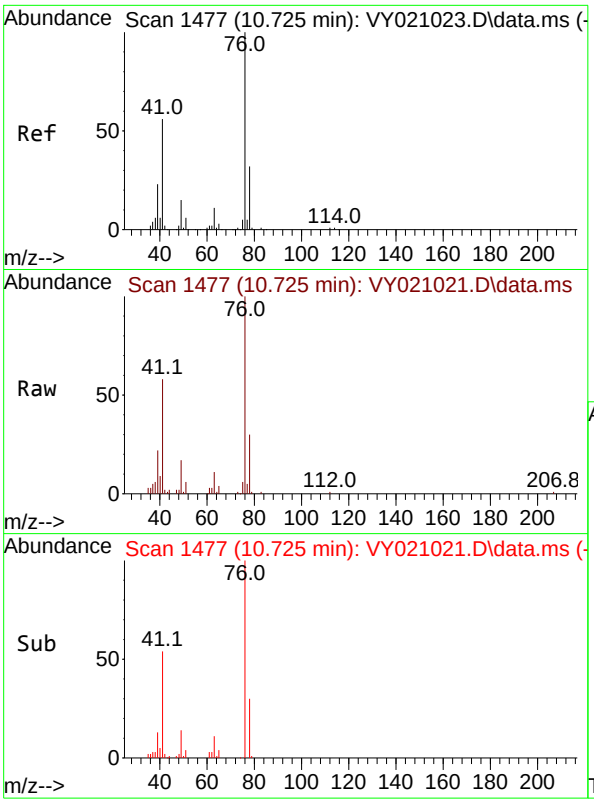



#56
Ethyl methacrylate
Concen: 10.341 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 69 Resp: 16883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.3 | 46.3 | 69.5 |
| 39 | 38.7 | 24.5 | 36.7# |

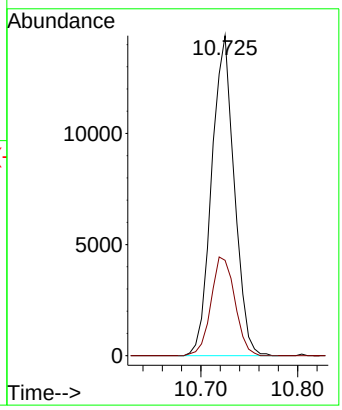





#57
1,3-Dichloropropane
Concen: 11.042 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 76 Resp: 2337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 25.8 | 38.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

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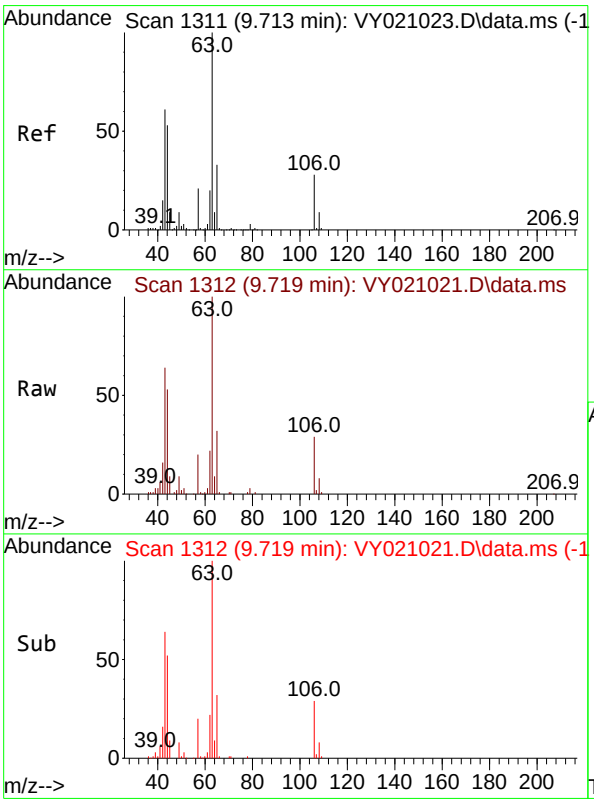
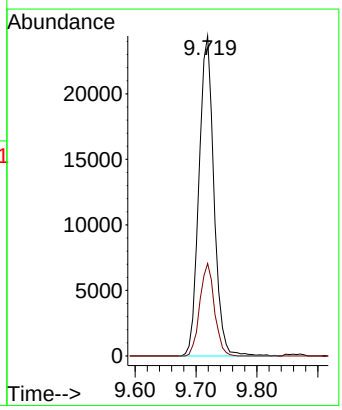
Supervised By :Semsettin Yesilyurt 02/04/2025

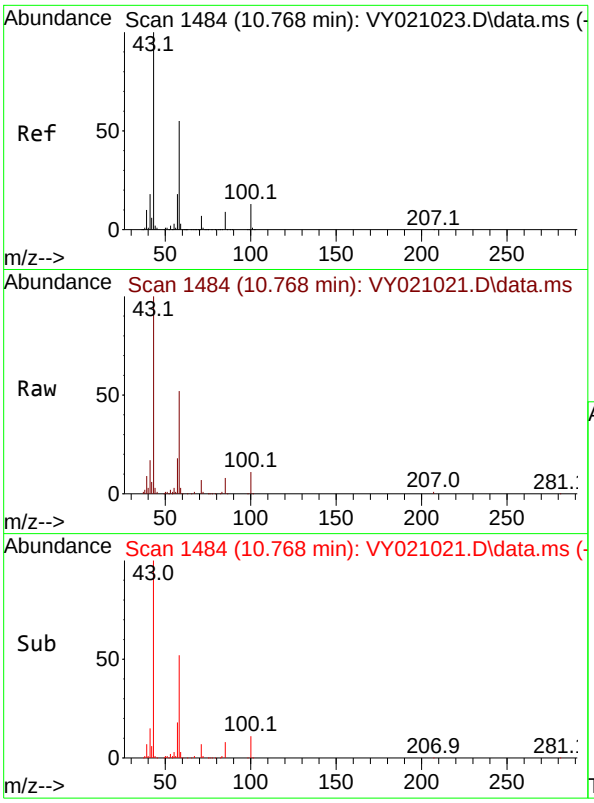



#58
2-Chloroethyl Vinyl ether
Concen: 60.048 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 41611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 24.7 | 37.1 |

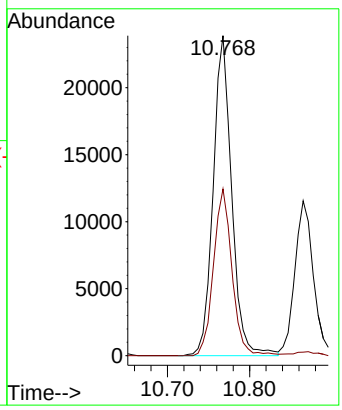





#59
2-Hexanone
Concen: 61.283 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 3730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 29.8 | 89.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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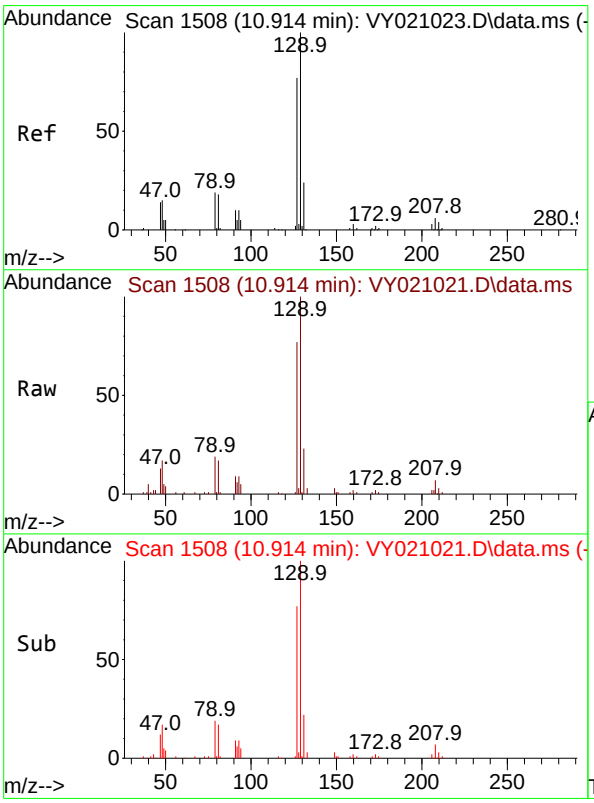
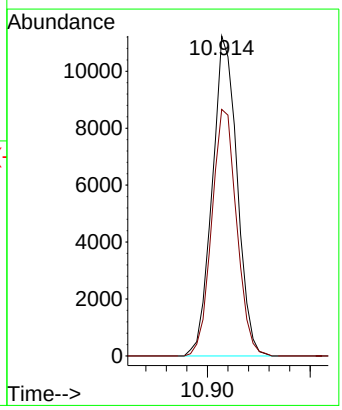
Supervised By :Semsettin Yesilyurt 02/04/2025

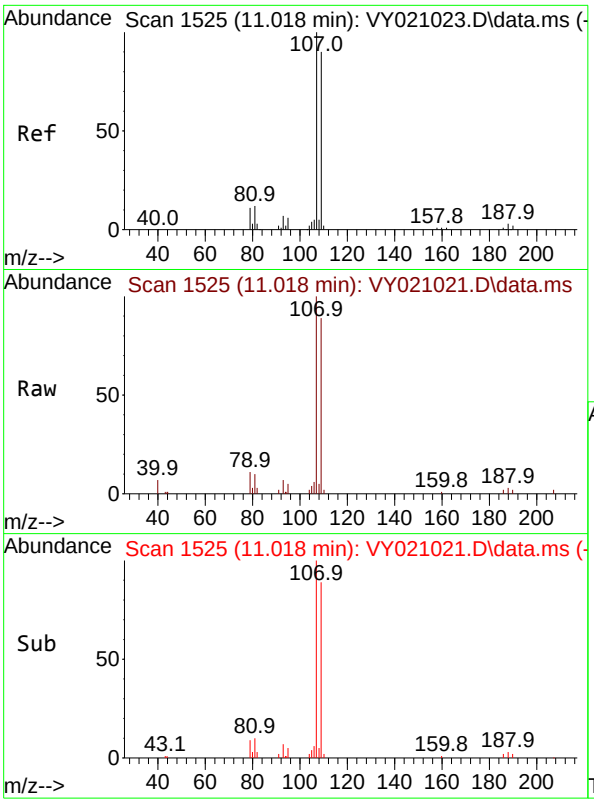



#60
Dibromochloromethane
Concen: 10.585 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:129 Resp: 18851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.2 | 38.5 | 115.3 |

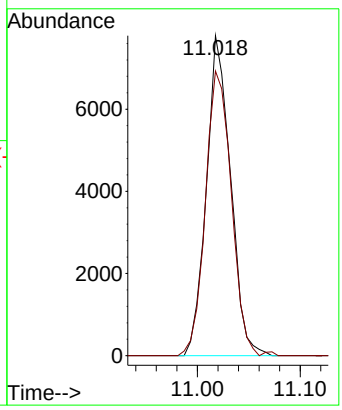





#61
1,2-Dibromoethane
Concen: 10.684 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:107 Resp: 1274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.5 | 76.6 | 114.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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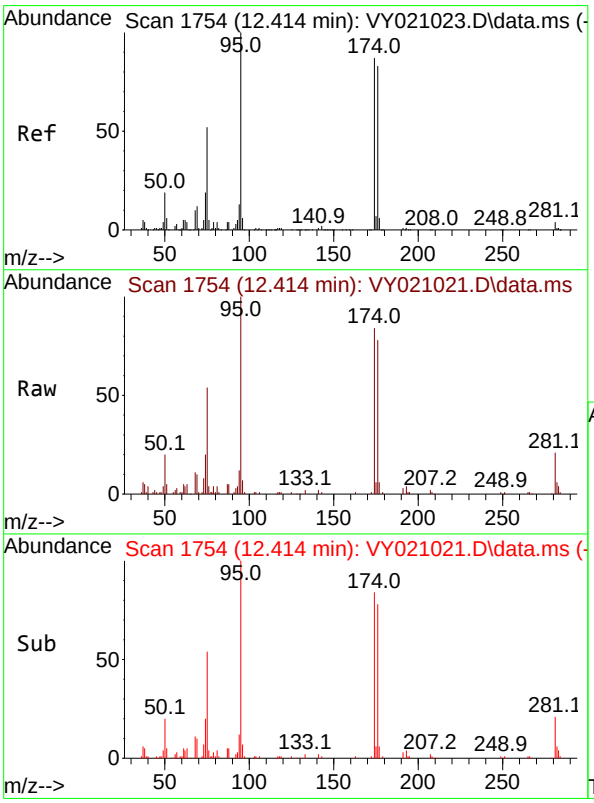
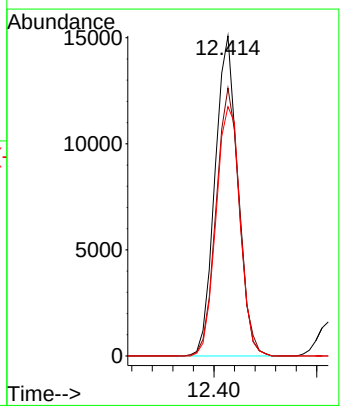
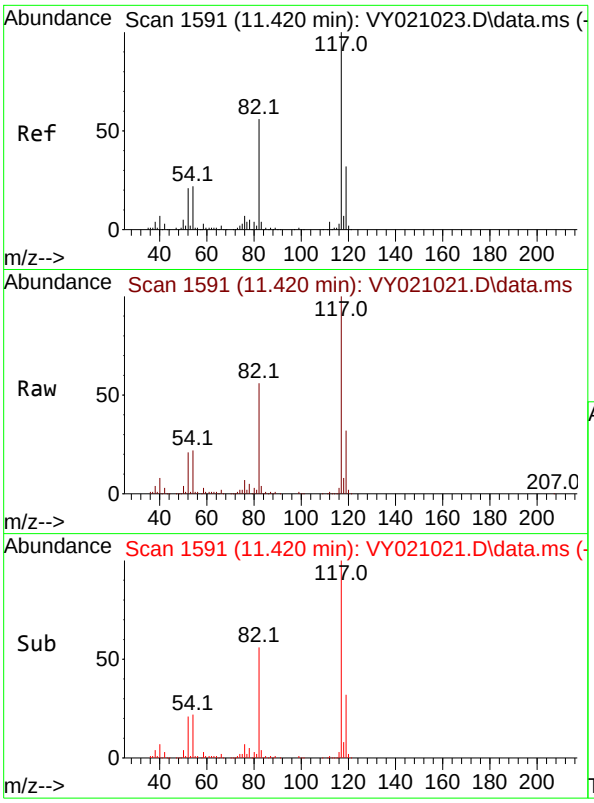



#62
4-Bromofluorobenzene
Concen: 10.362 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 95 Resp: 23279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.2 | 0.0 | 181.2 |
| 176 | 82.2 | 0.0 | 175.2 |

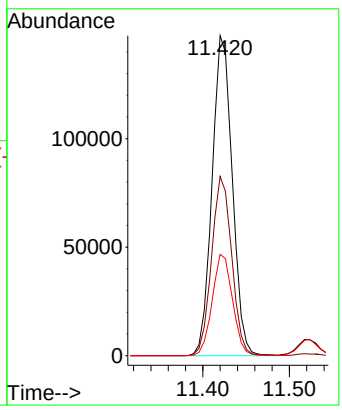





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 23903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 44.2 | 66.2 |
| 119 | 31.6 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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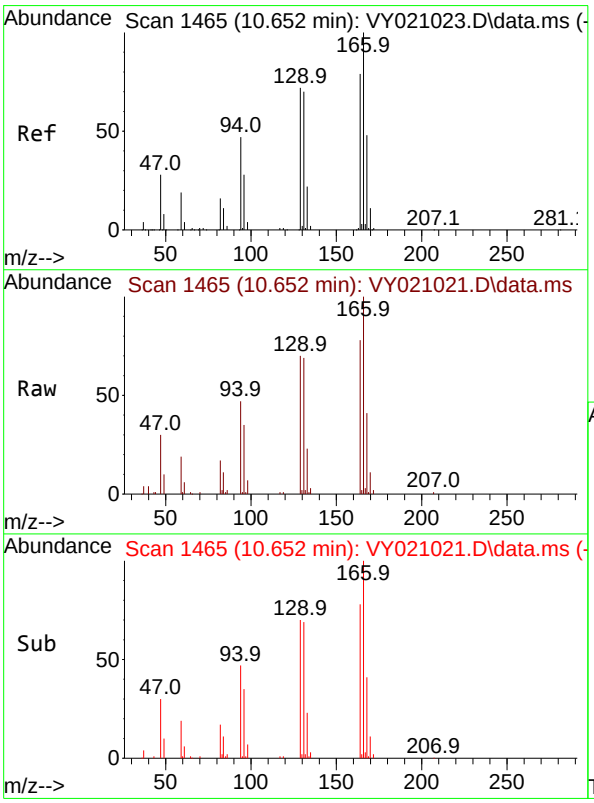
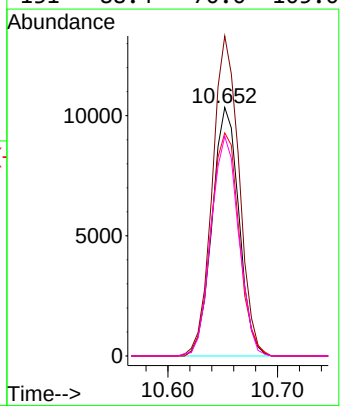
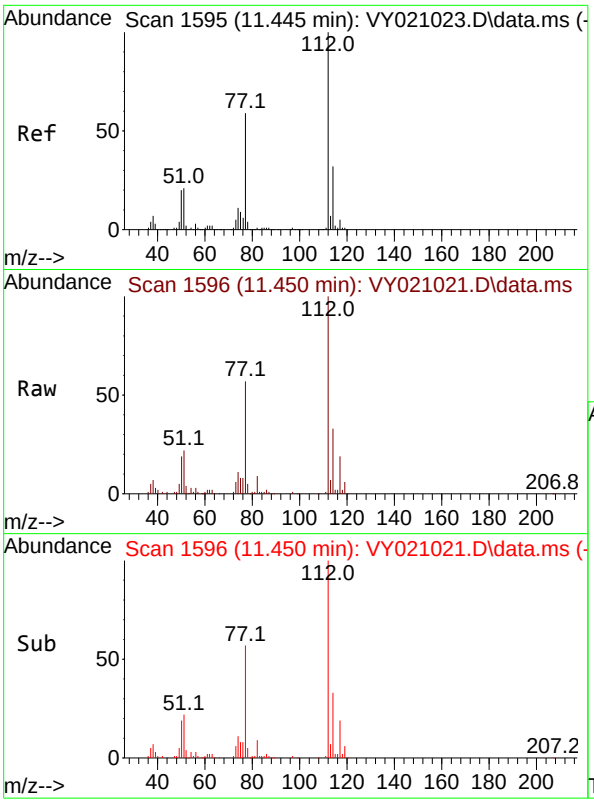



#64
Tetrachloroethene
Concen: 9.730 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:164 Resp: 17544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.8 | 100.4 | 150.6 |
| 129 | 89.8 | 70.8 | 106.2 |
| 131 | 88.4 | 70.0 | 105.0 |

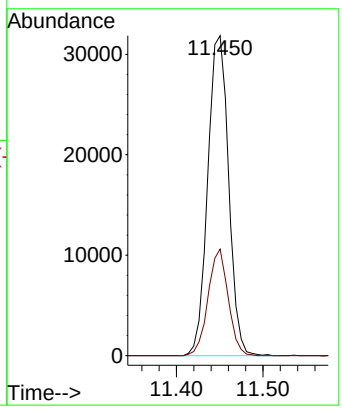





#65
Chlorobenzene
Concen: 10.583 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:112 Resp: 5329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.3 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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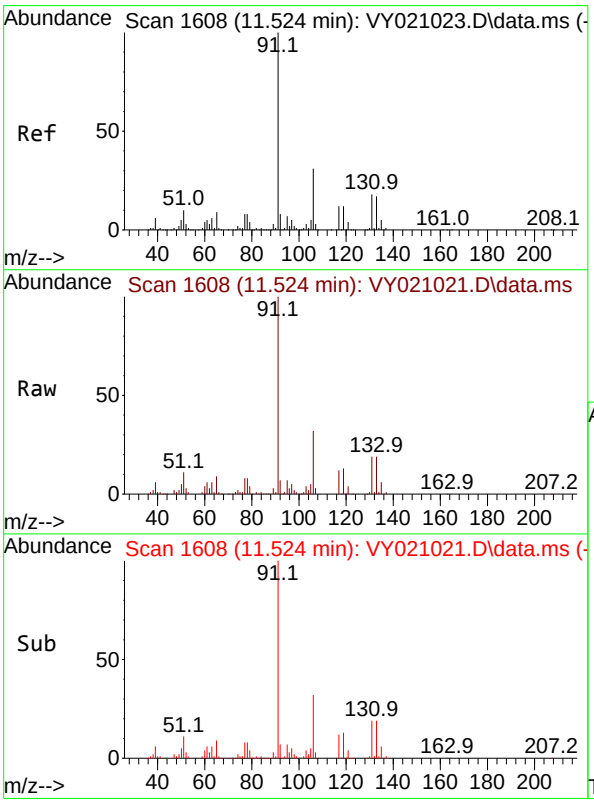
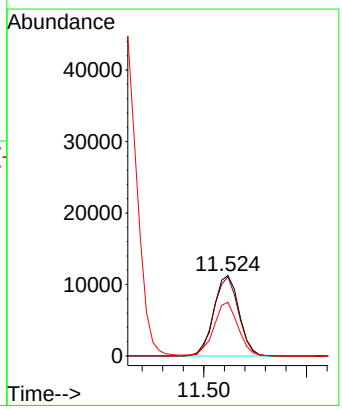
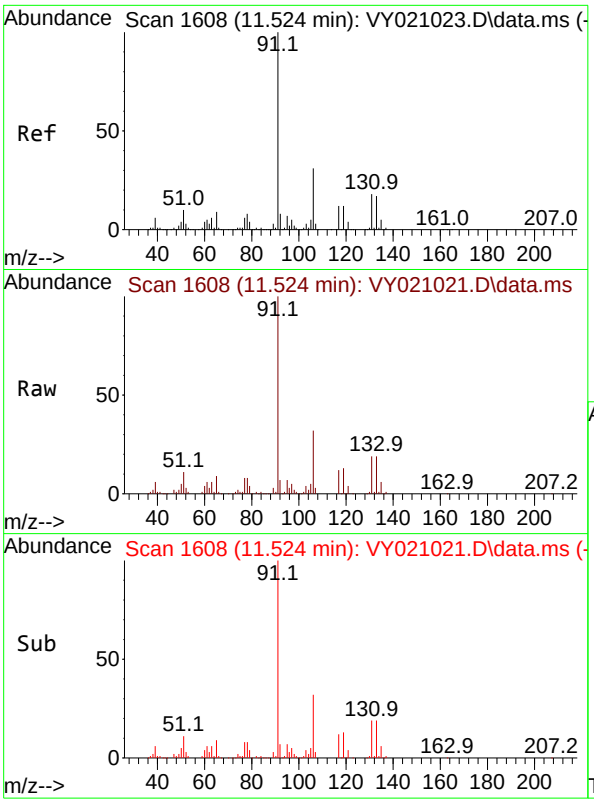



#66
1,1,1,2-Tetrachloroethane
Concen: 10.714 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:131 Resp: 19150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.1 | 48.7 | 146.1 |
| 119 | 64.1 | 31.4 | 94.3 |

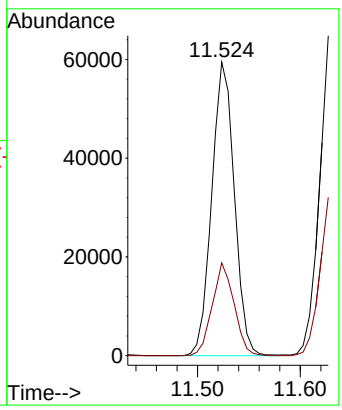





#67
Ethyl Benzene
Concen: 10.411 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 9078

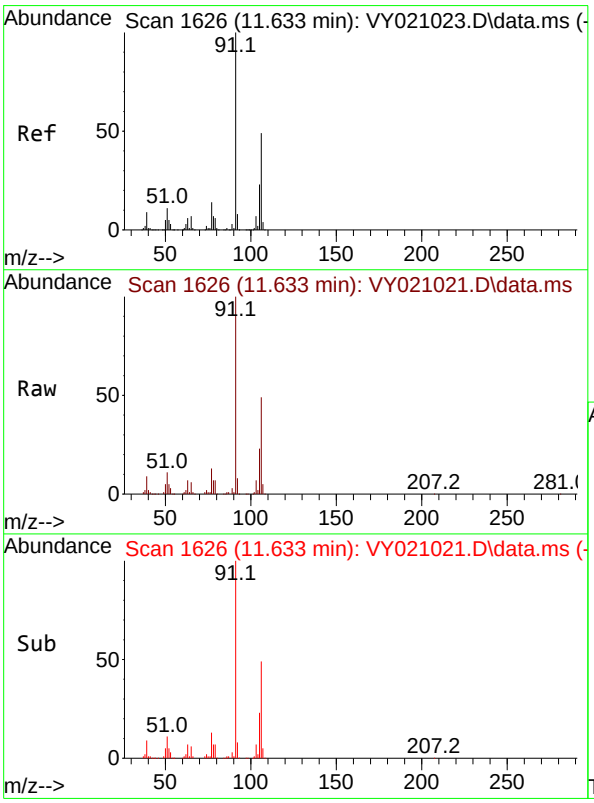
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.6 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

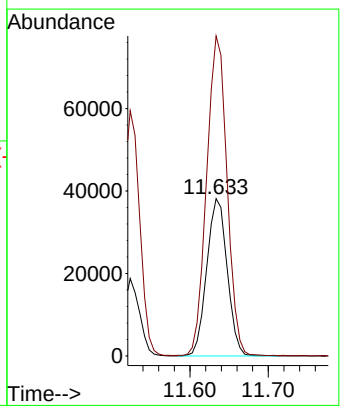
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

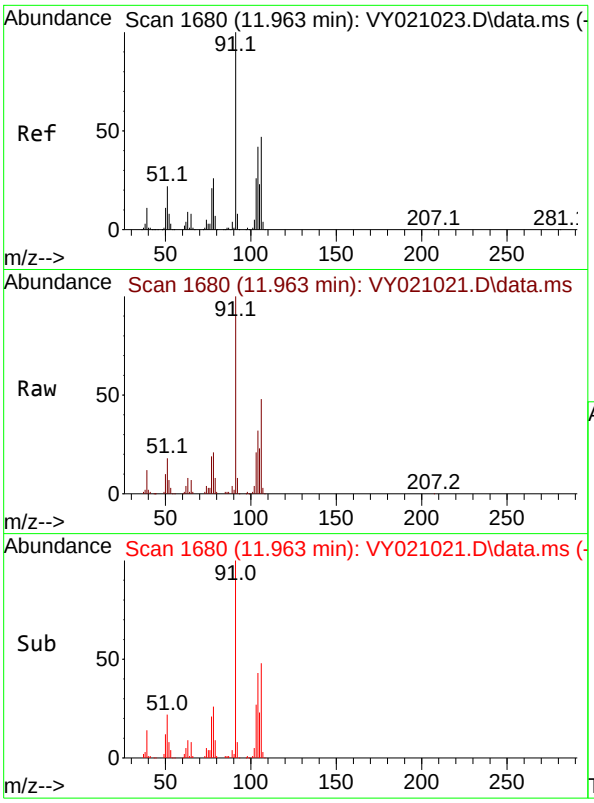



#68
m/p-Xylenes
Concen: 20.624 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:106 Resp: 69094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.2 | 160.0 | 240.0 |

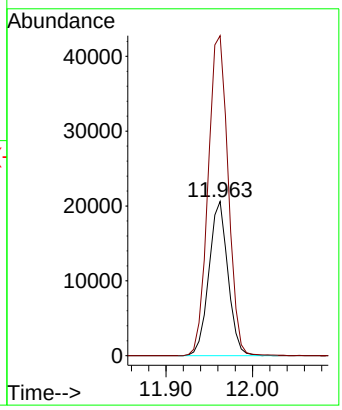





#69
o-Xylene
Concen: 10.106 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:106 Resp: 3147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.6 | 105.8 | 317.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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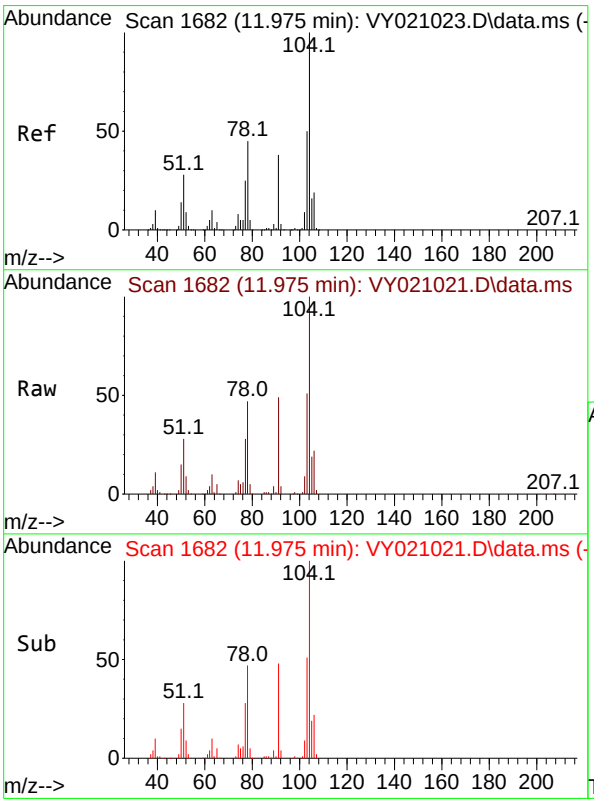
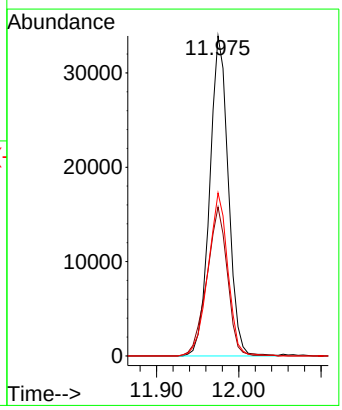
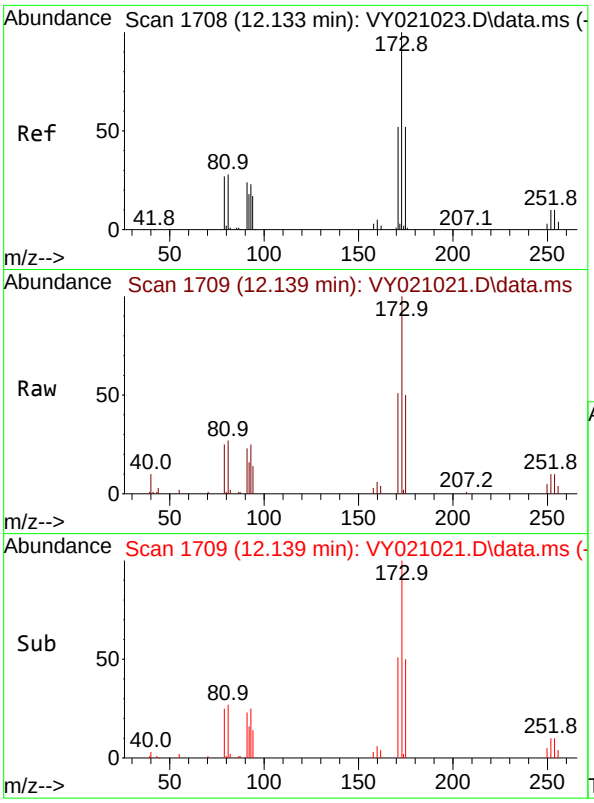



#70
Styrene
Concen: 10.334 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:104 Resp: 53436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.0 | 39.0 | 58.4 |
| 103 | 54.3 | 43.7 | 65.5 |

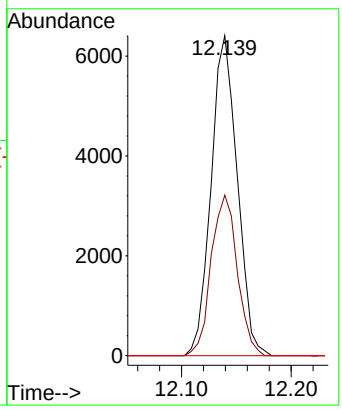





#71
Bromoform
Concen: 10.088 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:173 Resp: 1062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.1 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

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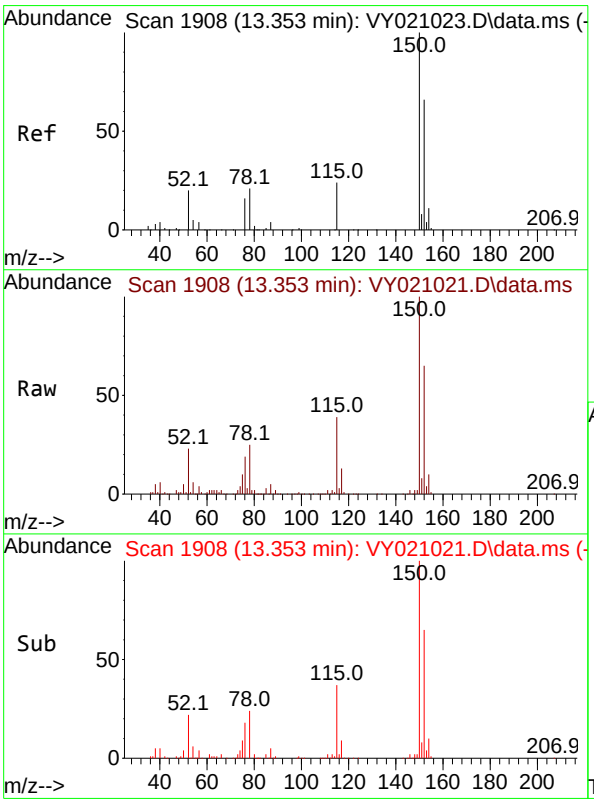
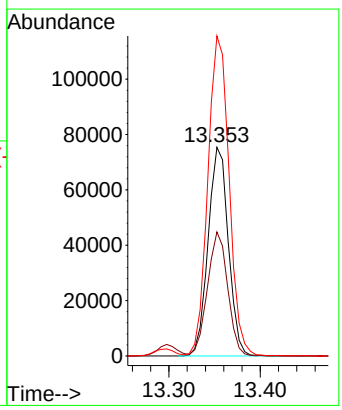
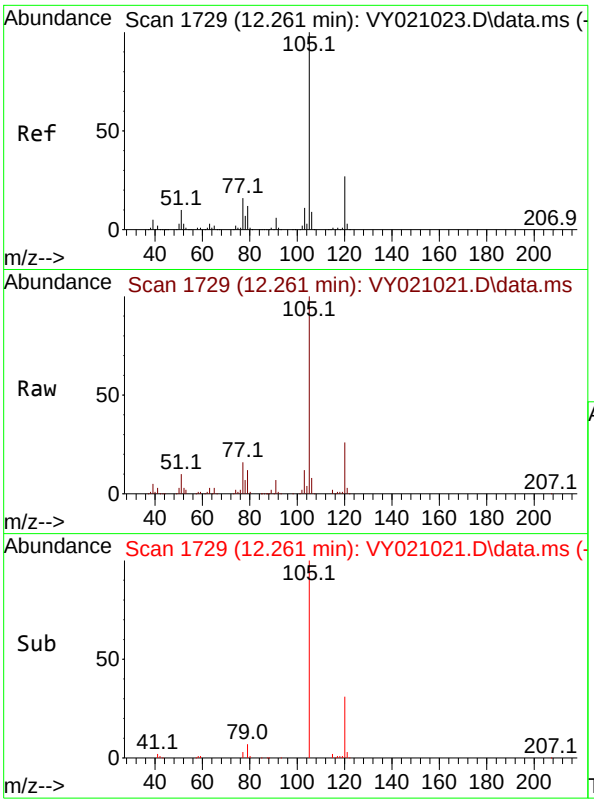



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:152 Resp: 115682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.3 | 28.4 | 85.2 |
| 150 | 161.1 | 0.0 | 342.8 |

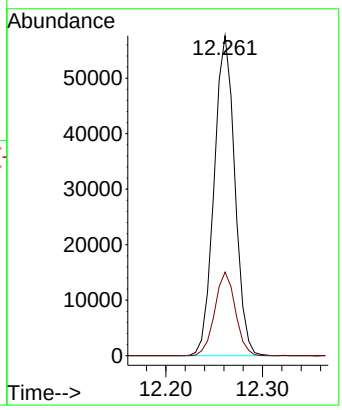





#73
Isopropylbenzene
Concen: 10.522 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 8549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.4 | 40.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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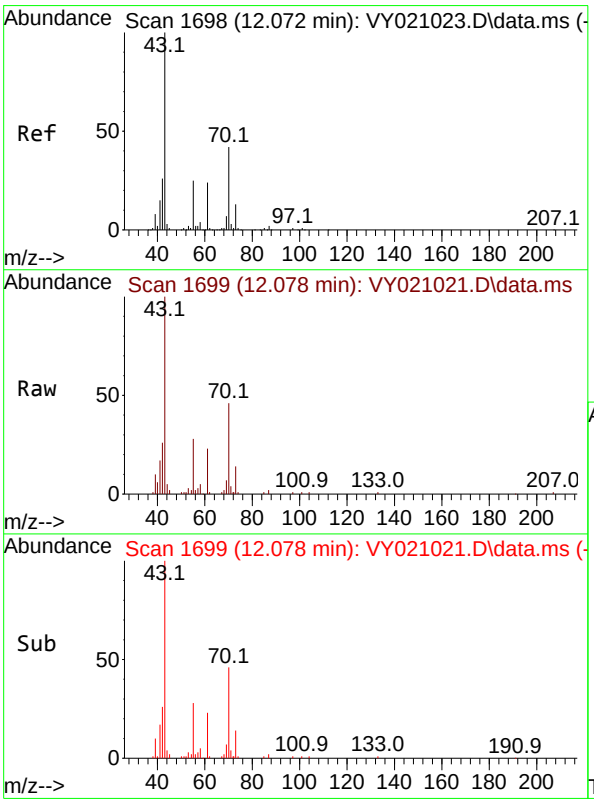
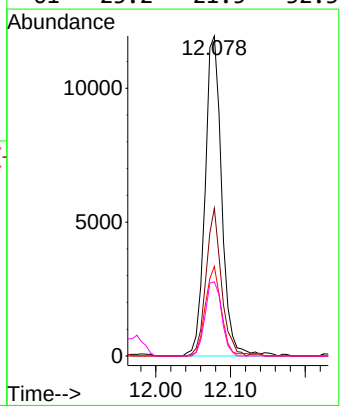
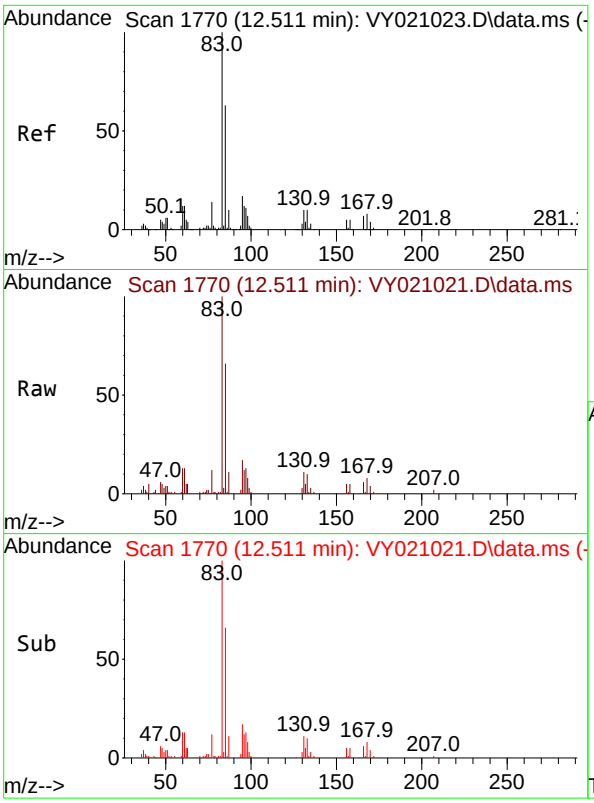



#74
N-amyl acetate
Concen: 12.524 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 18529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.6 | 39.3 | 58.9 |
| 55 | 27.0 | 22.3 | 33.5 |
| 61 | 23.2 | 21.5 | 32.3 |

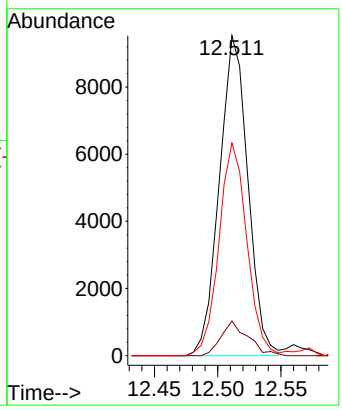





#75
1,1,2,2-Tetrachloroethane
Concen: 11.393 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 1494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 5.7 | 17.1 |
| 85 | 65.5 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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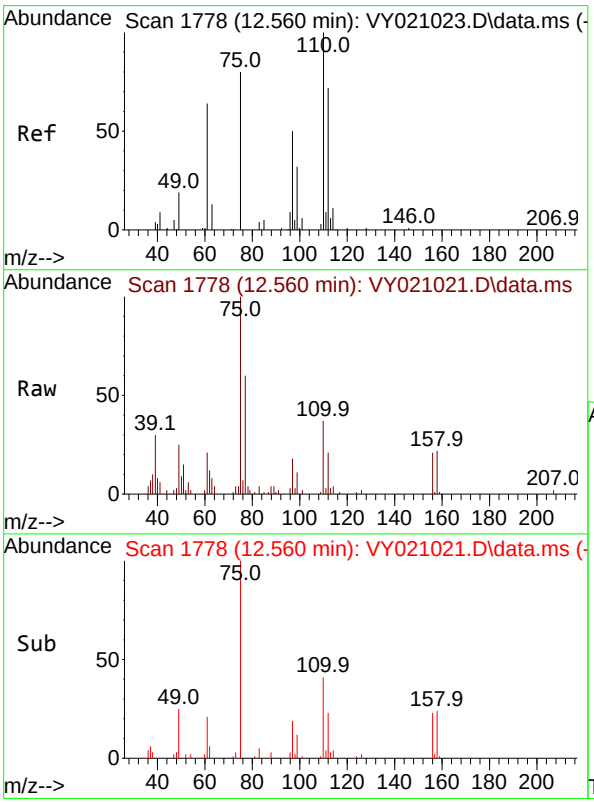
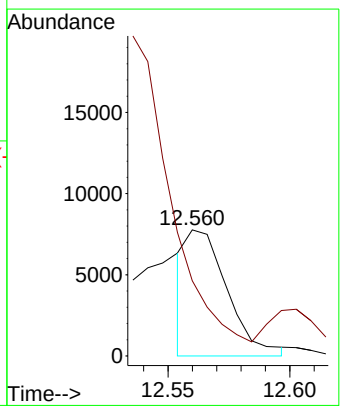
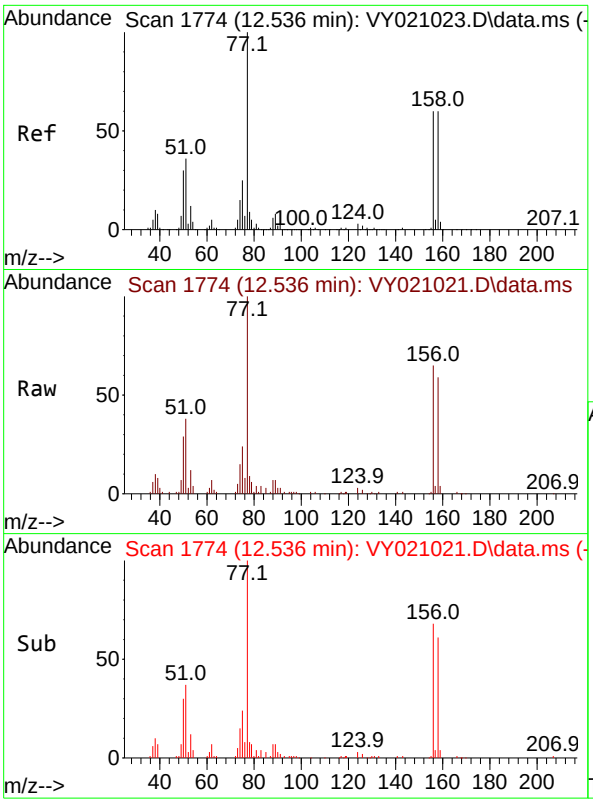



#76
1,2,3-Trichloropropane
Concen: 9.926 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 9090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

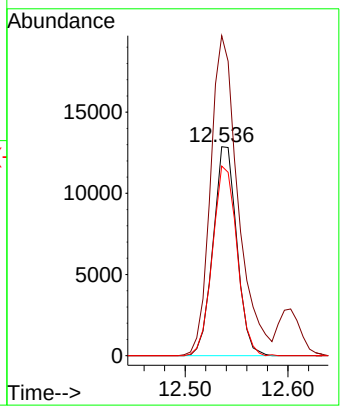





#77
Bromobenzene
Concen: 10.712 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:156 Resp: 2063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 177.9 | 83.3 | 249.9 |
| 158 | 94.0 | 48.3 | 144.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

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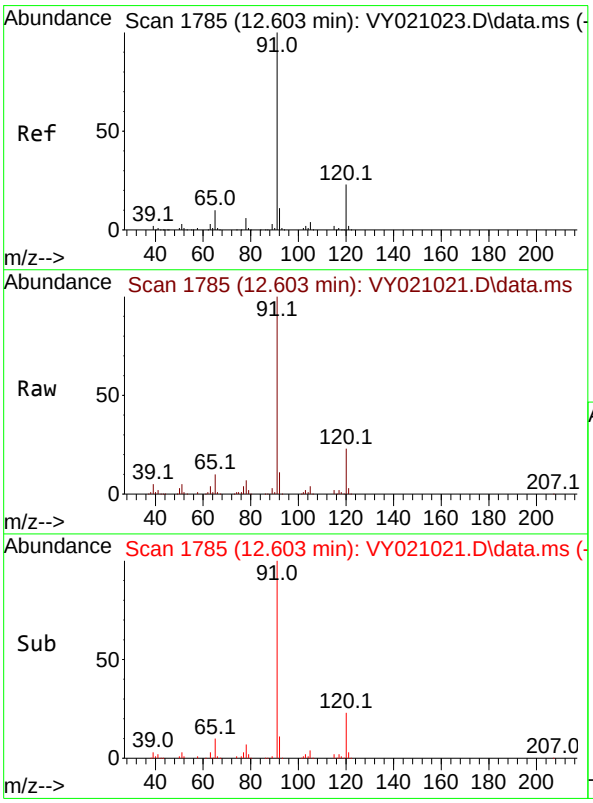
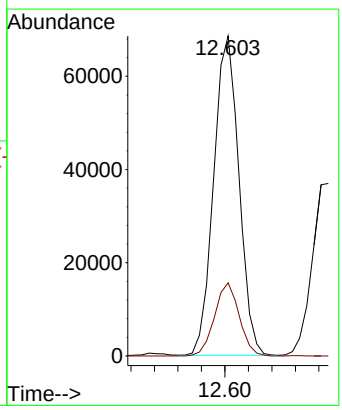
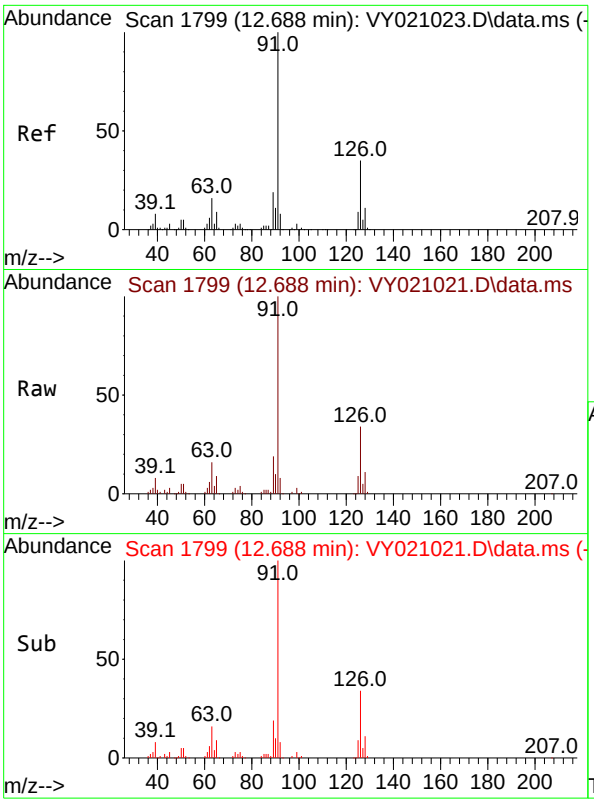



#78
n-propylbenzene
Concen: 10.738 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 102250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.8 | 35.4 |

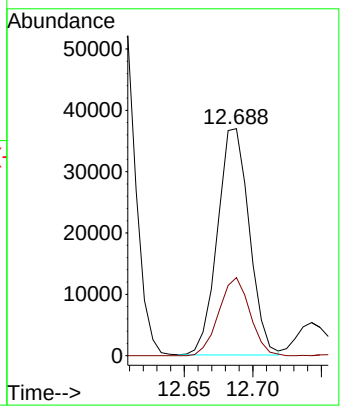





#79
2-Chlorotoluene
Concen: 10.991 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 5963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 17.3 | 51.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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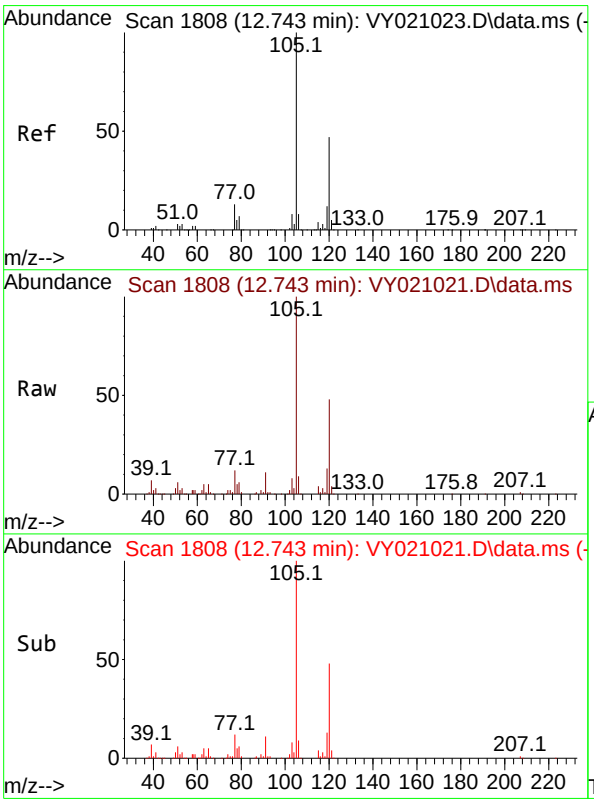
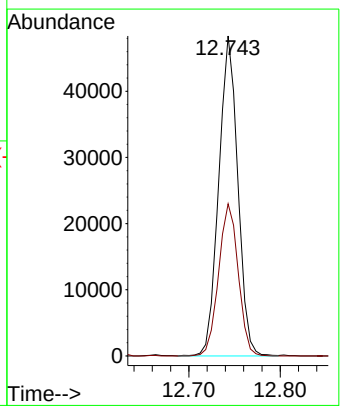
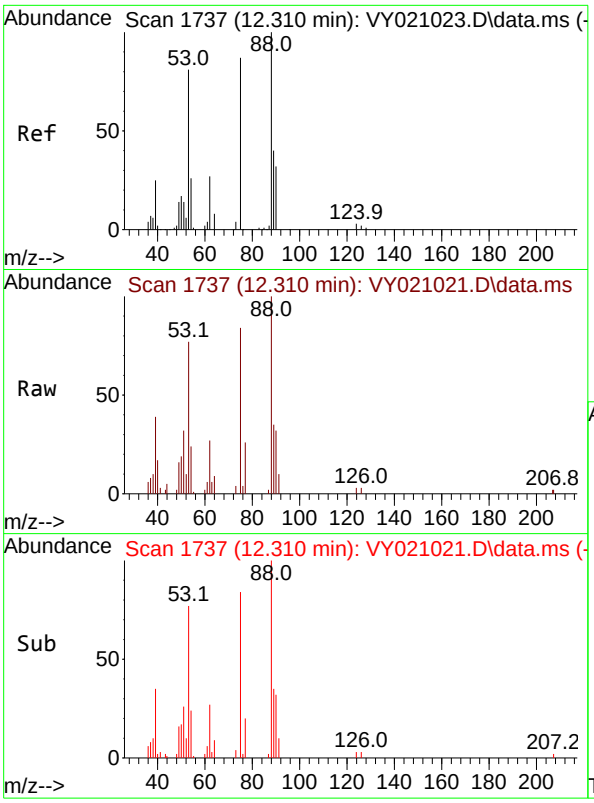



#80
1,3,5-Trimethylbenzene
Concen: 10.541 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 70161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.8 | 24.3 | 72.9 |






#81
trans-1,4-Dichloro-2-butene
Concen: 11.842 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 94.9 | 68.6 | 103.0 |
| 89 | 43.8 | 38.1 | 57.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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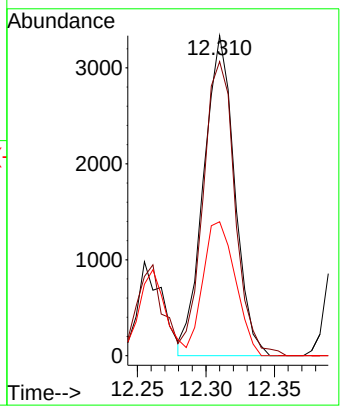
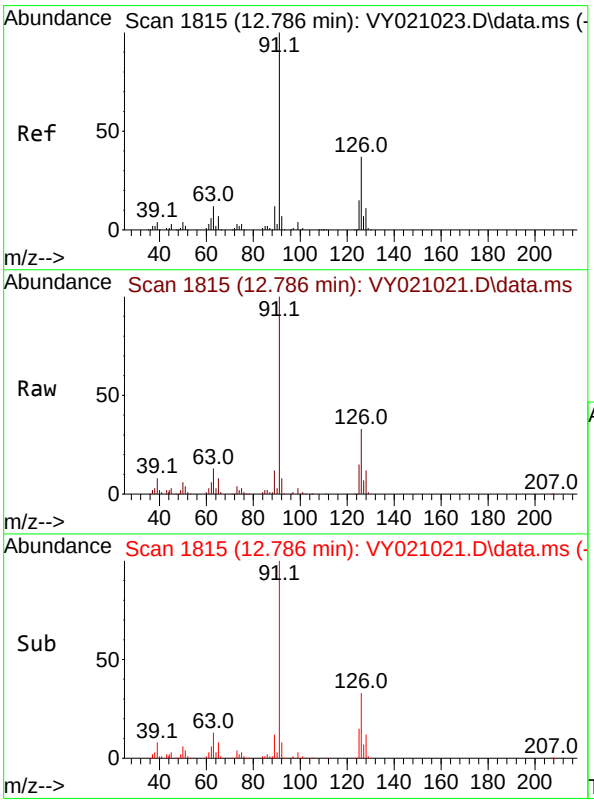
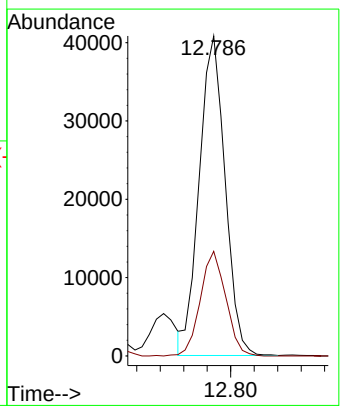


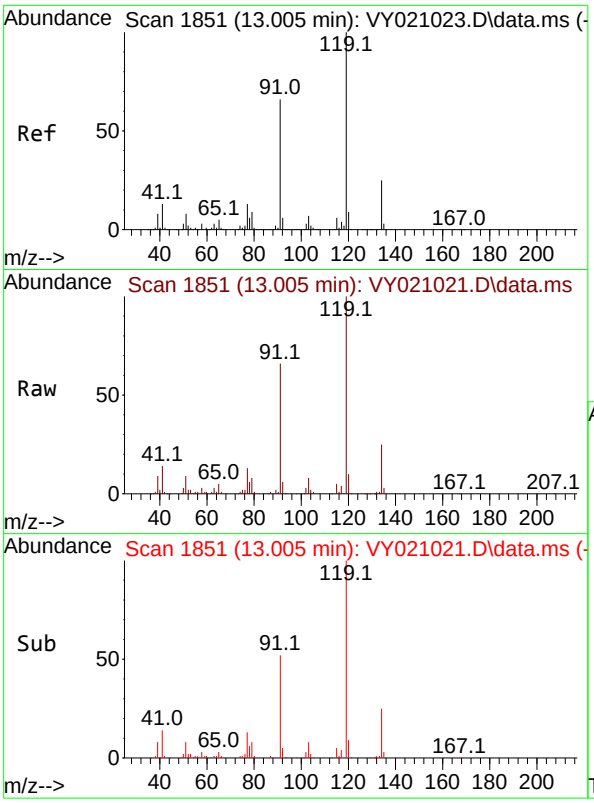




#82
4-Chlorotoluene
Concen: 11.217 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 62279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.3 | 17.3 | 52.0 |

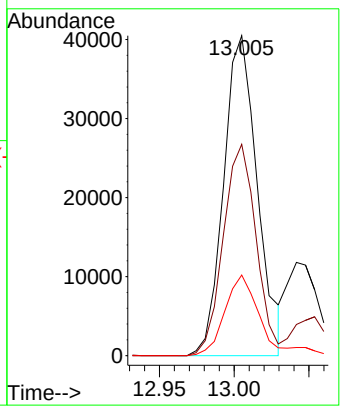





#83
tert-Butylbenzene
Concen: 10.287 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:119 Resp: 6350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.2 | 31.4 | 94.0 |
| 134 | 26.7 | 13.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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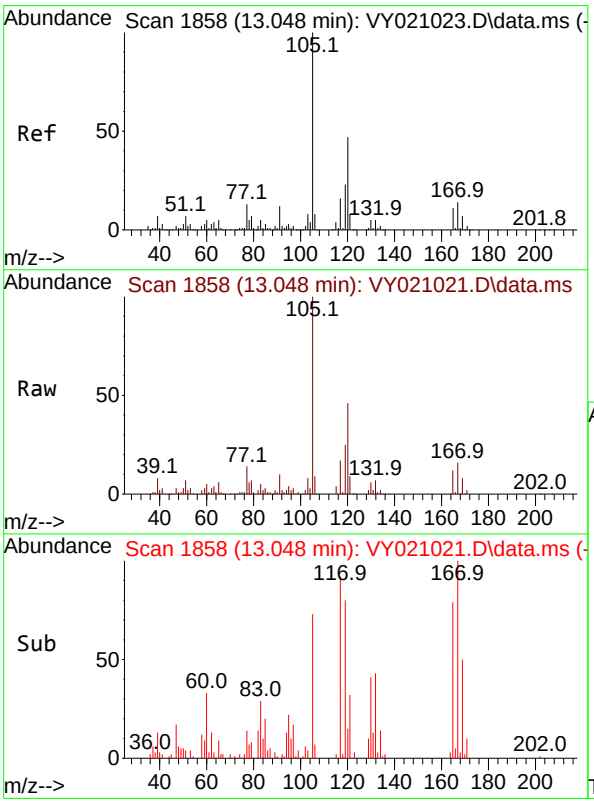
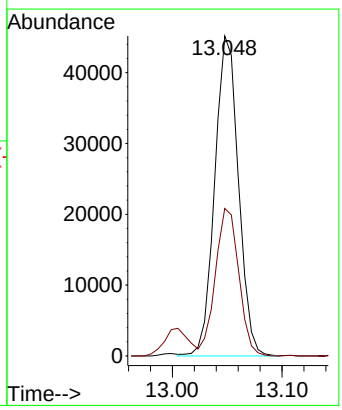
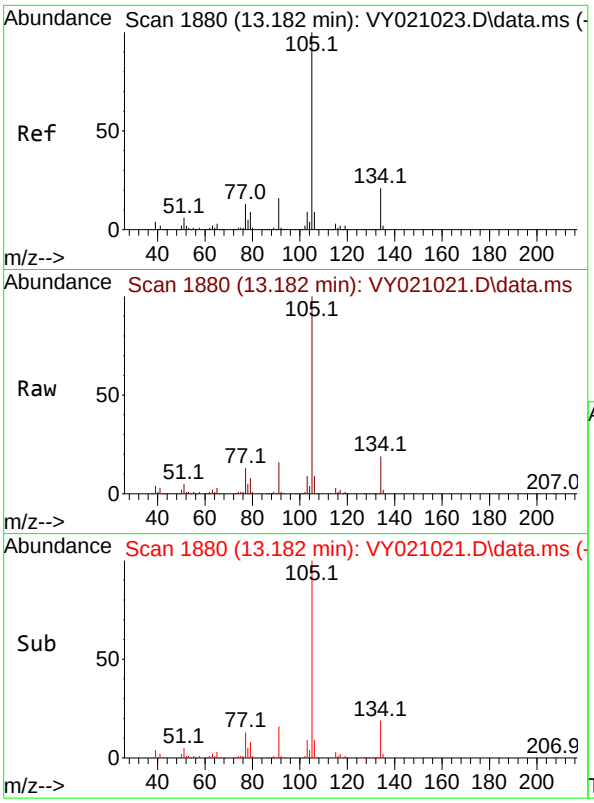



#84
1,2,4-Trimethylbenzene
Concen: 10.444 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 67906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.6 | 22.7 | 68.0 |

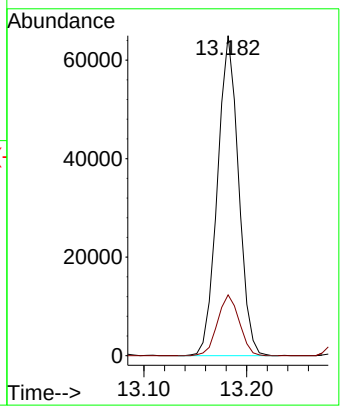





#85
sec-Butylbenzene
Concen: 10.596 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 9261

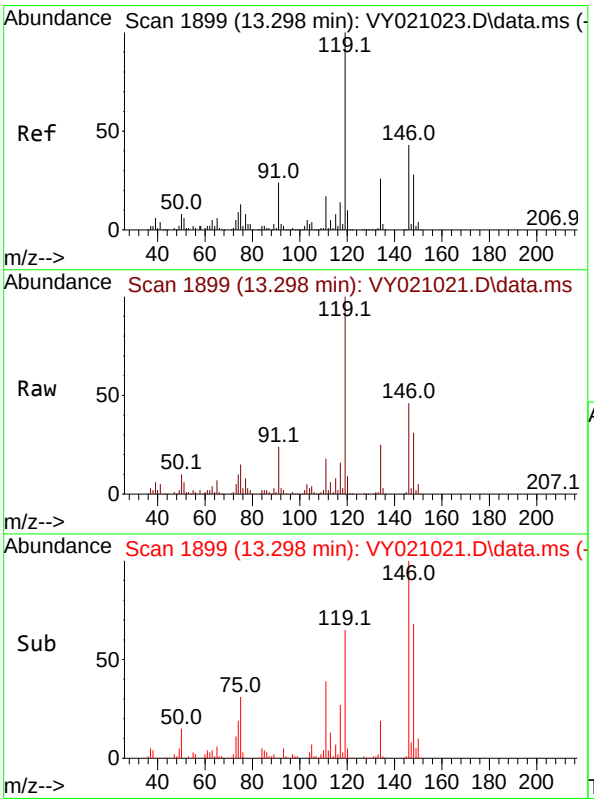
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 10.3 | 30.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

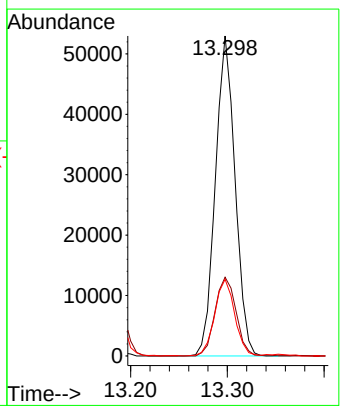
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

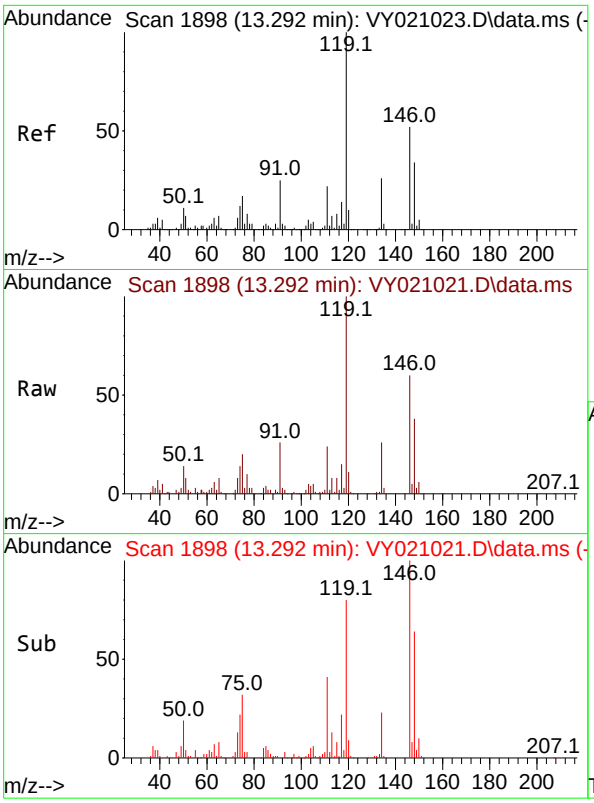



#86
p-Isopropyltoluene
Concen: 10.196 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:119 Resp: 74892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 13.1 | 39.3 |
| 91 | 24.4 | 11.5 | 34.5 |

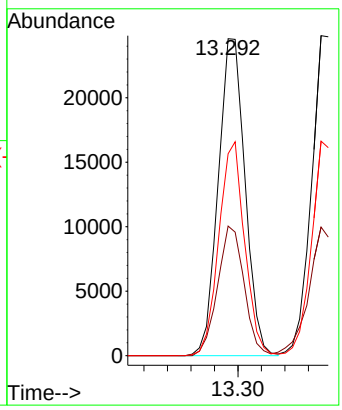





#87
1,3-Dichlorobenzene
Concen: 10.388 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:146 Resp: 3901

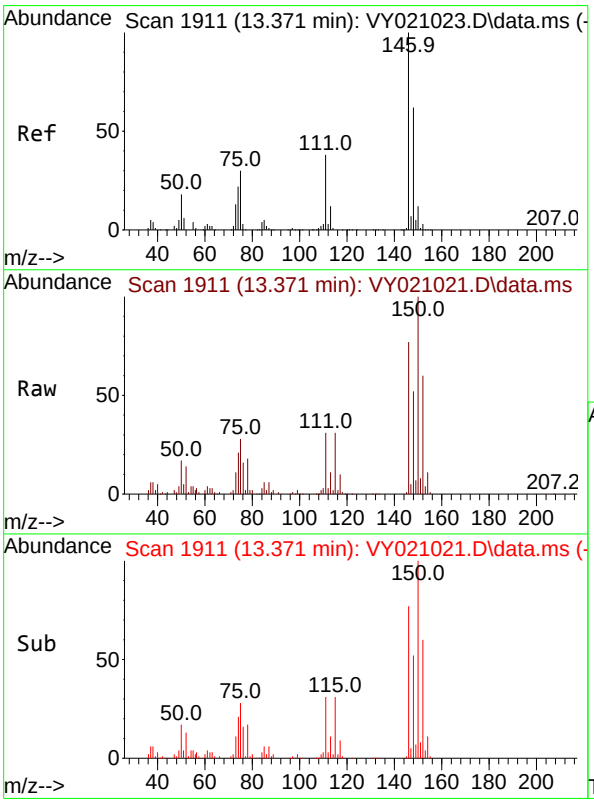
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 19.7 | 59.1 |
| 148 | 64.9 | 32.1 | 96.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

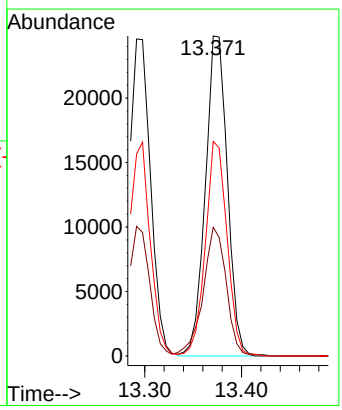
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

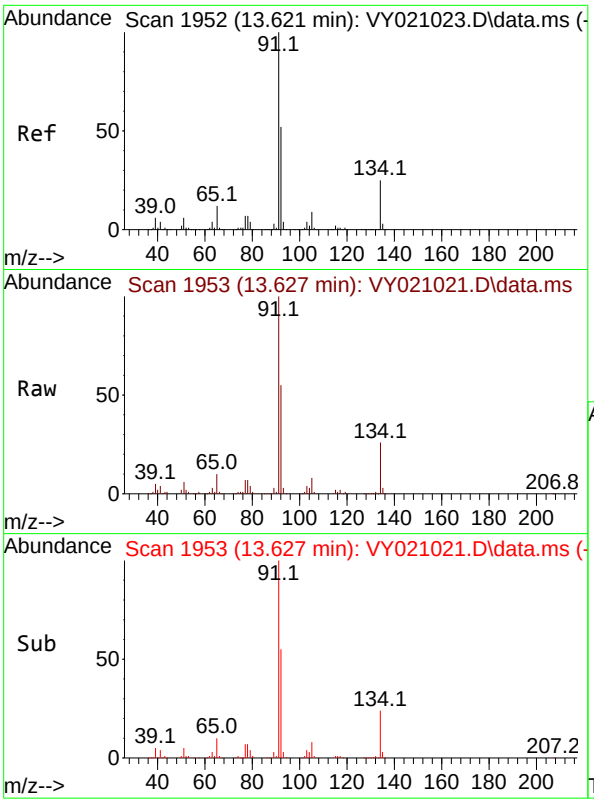



#88
1,4-Dichlorobenzene
Concen: 10.559 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:146 Resp: 39379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 19.0 | 57.0 |
| 148 | 65.8 | 31.6 | 95.0 |

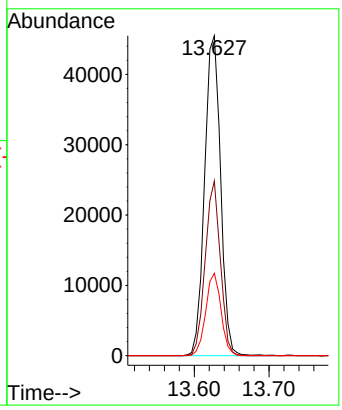





#89
n-Butylbenzene
Concen: 10.280 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 6763

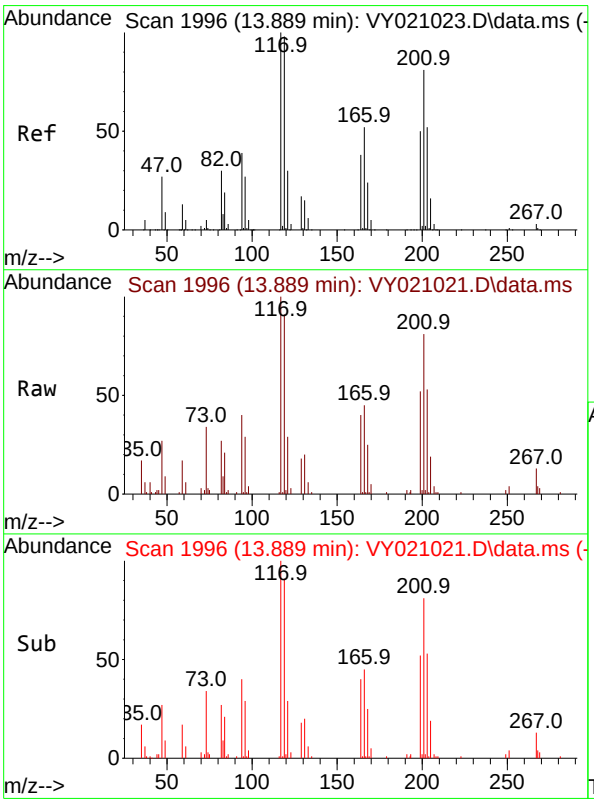
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.7 | 26.7 | 80.1 |
| 134 | 24.6 | 13.7 | 41.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

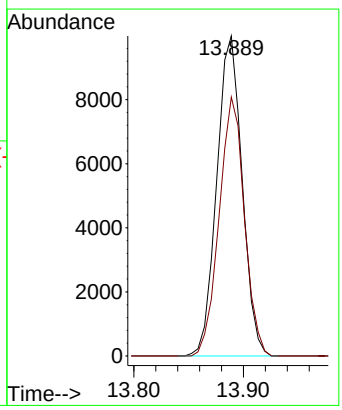
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

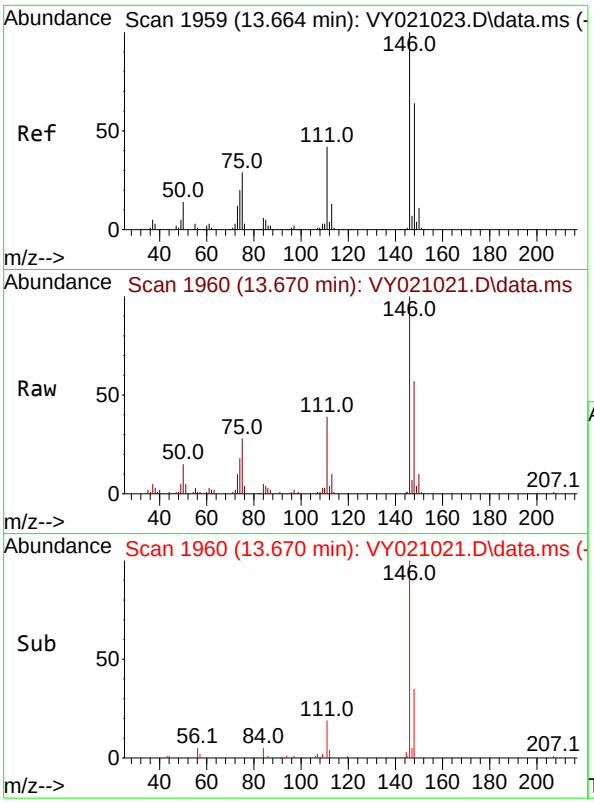



#90
Hexachloroethane
Concen: 10.788 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 16030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 80.4 | 42.5 | 127.5 |

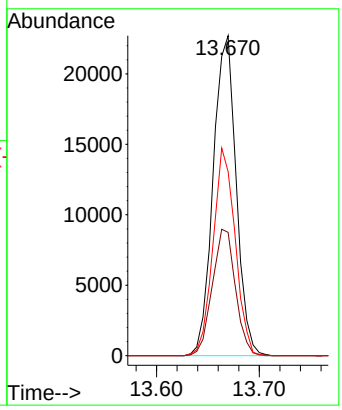





#91
1,2-Dichlorobenzene
Concen: 10.763 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:146 Resp: 3525

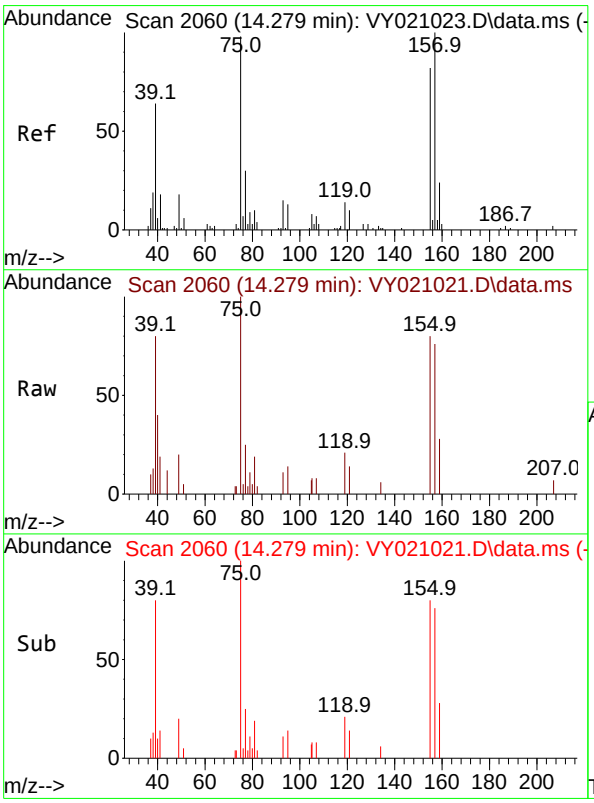
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 20.3 | 60.8 |
| 148 | 62.4 | 32.2 | 96.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

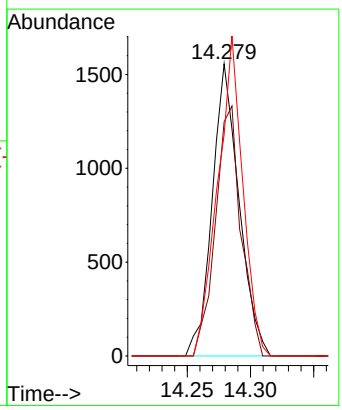
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

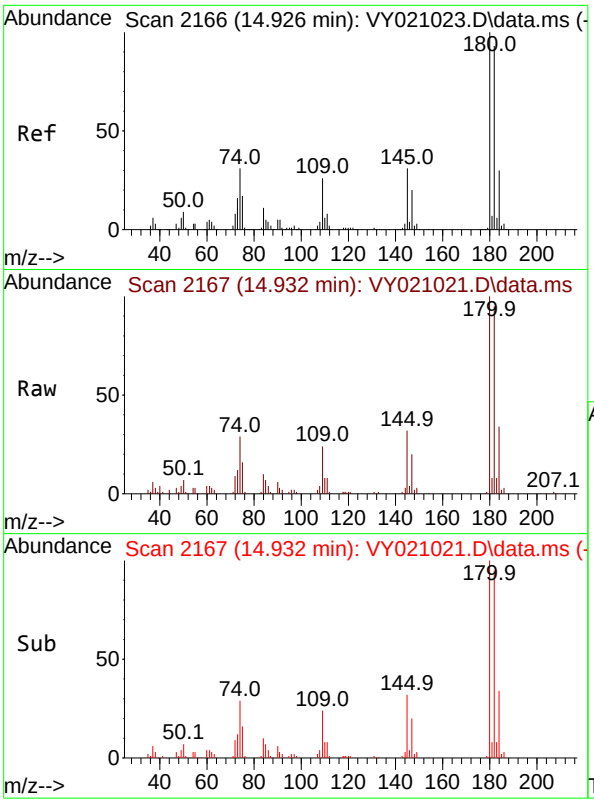



#92
1,2-Dibromo-3-Chloropropane
Concen: 11.372 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 2296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.0 | 45.9 | 137.6 |
| 157 | 102.7 | 59.3 | 177.9 |

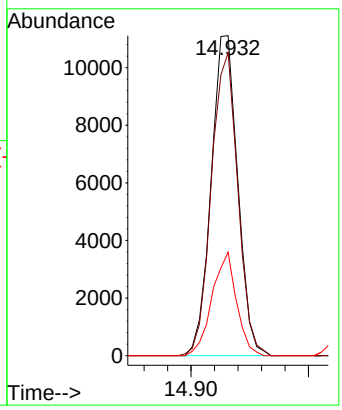





#93
1,2,4-Trichlorobenzene
Concen: 8.702 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:180 Resp: 1745

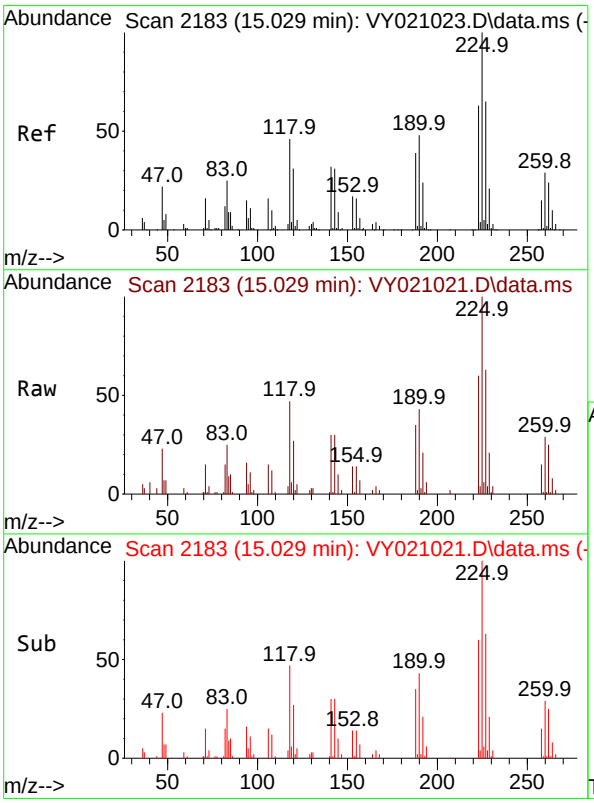
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 48.3 | 144.8 |
| 145 | 29.9 | 15.3 | 45.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

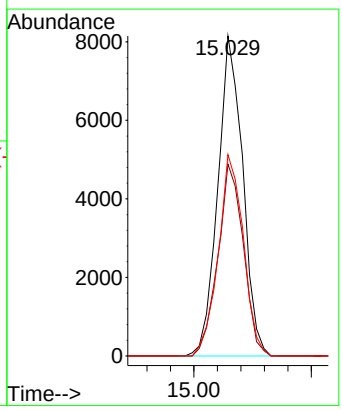
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

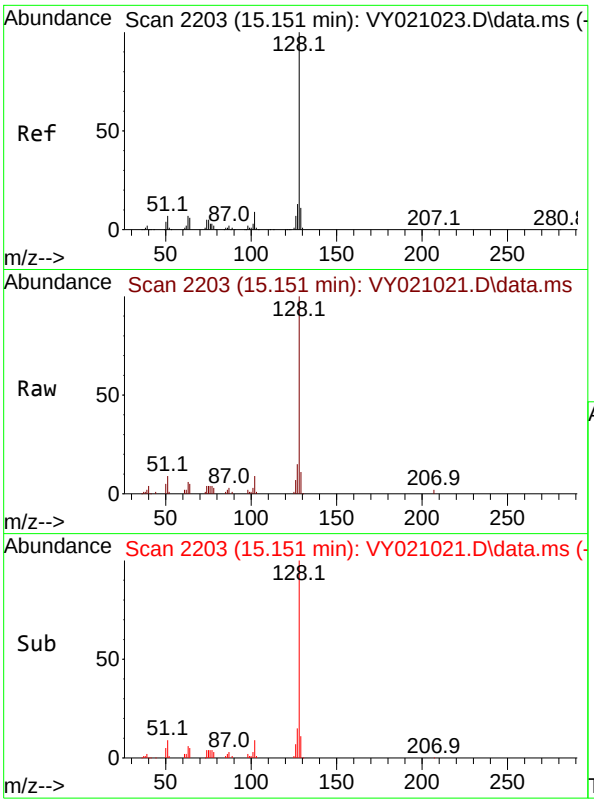



#94
Hexachlorobutadiene
Concen: 8.631 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:225 Resp: 11988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.1 | 31.4 | 94.2 |
| 227 | 63.5 | 31.8 | 95.3 |

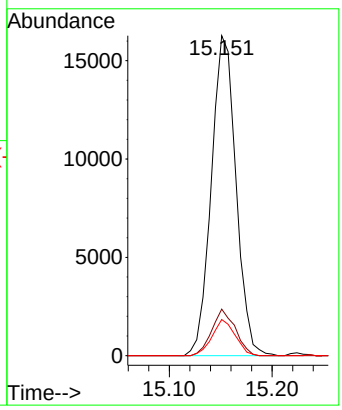





#95
Naphthalene
Concen: 8.409 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:128 Resp: 2710

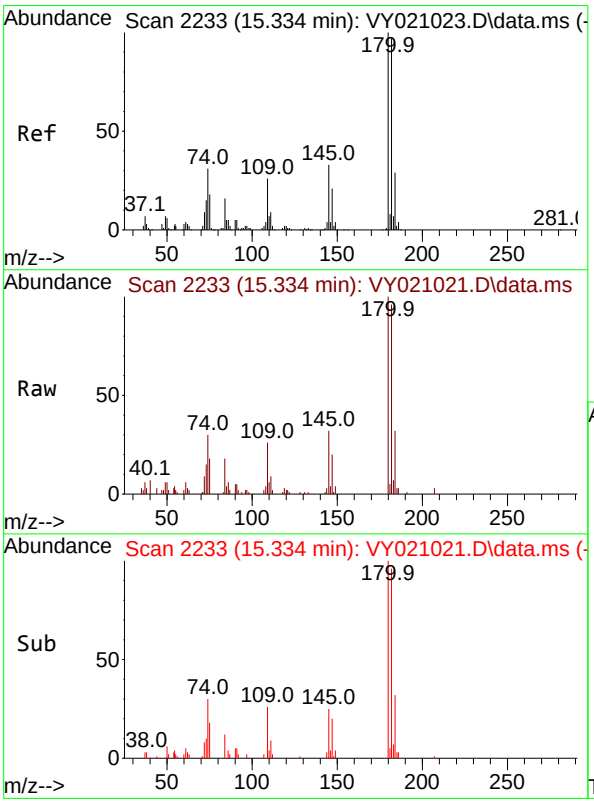
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.9 | 10.2 | 15.4 |
| 129 | 10.6 | 8.8 | 13.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

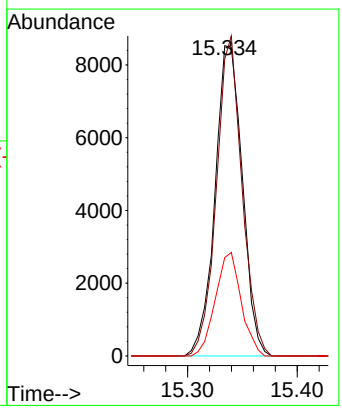
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025




#96
1,2,3-Trichlorobenzene
Concen: 8.729 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:180 Resp: 14804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 47.7 | 143.1 |
| 145 | 31.4 | 15.6 | 46.7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 183569 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 284501 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 244590 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 116948 | 50.000 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 35087 | 22.450 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 44.900%# | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 34279 | 20.042 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 40.080%# | | | |
| 50) Toluene-d8 | 10.109 | 98 | 129662 | 19.423 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 38.840%# | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 42182 | 18.831 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = | 37.660% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 30336 | 19.435 | ug/l | | 99 |
| 3) Chloromethane | 2.074 | 50 | 29923 | 30.154 | ug/l | | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 29658 | 28.986 | ug/l | | 99 |
| 5) Bromomethane | 2.598 | 94 | 18302 | 26.423 | ug/l | | 90 |
| 6) Chloroethane | 2.739 | 64 | 17634 | 29.503 | ug/l | | 97 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 55451 | 22.457 | ug/l | | 98 |
| 8) Diethyl Ether | 3.458 | 74 | 18232 | 24.733 | ug/l | | 90 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 34675 | 20.855 | ug/l | | 95 |
| 10) Methyl Iodide | 4.013 | 142 | 38697 | 20.338 | ug/l | | 99 |
| 11) Tert butyl alcohol | 4.878 | 59 | 12889 | 112.894 | ug/l | # | 90 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 32389 | 20.845 | ug/l | | 90 |
| 13) Acrolein | 3.659 | 56 | 20427 | 155.371 | ug/l | | 100 |
| 14) Allyl chloride | 4.391 | 41 | 55315 | 25.859 | ug/l | | 92 |
| 15) Acrylonitrile | 5.067 | 53 | 38612 | 127.343 | ug/l | | 97 |
| 16) Acetone | 3.873 | 43 | 28518 | 133.874 | ug/l | | 95 |
| 17) Carbon Disulfide | 4.116 | 76 | 101973 | 21.308 | ug/l | | 99 |
| 18) Methyl Acetate | 4.391 | 43 | 19673 | 26.393 | ug/l | | 92 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 85748 | 23.710 | ug/l | | 98 |
| 20) Methylene Chloride | 4.629 | 84 | 34701 | 22.087 | ug/l | | 94 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 36879 | 22.137 | ug/l | | 94 |
| 22) Diisopropyl ether | 6.025 | 45 | 120281 | 27.585 | ug/l | | 94 |
| 23) Vinyl Acetate | 5.970 | 43 | 331355 | 137.224 | ug/l | | 95 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 67799 | 24.102 | ug/l | | 98 |
| 25) 2-Butanone | 6.902 | 43 | 46083 | 127.520 | ug/l | | 95 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 61862 | 22.336 | ug/l | | 97 |
| 27) cis-1,2-Dichloroethene | 6.896 | 96 | 42356 | 22.120 | ug/l | | 93 |
| 28) Bromochloromethane | 7.250 | 49 | 27966 | 26.684 | ug/l | | 83 |
| 29) Tetrahydrofuran | 7.268 | 42 | 32271 | 132.707 | ug/l | | 90 |
| 30) Chloroform | 7.427 | 83 | 69562 | 22.832 | ug/l | | 98 |
| 31) Cyclohexane | 7.707 | 56 | 59268 | 21.556 | ug/l | | 94 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 63645 | 21.585 | ug/l | | 96 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 50918 | 20.868 | ug/l | | 96 |
| 37) Ethyl Acetate | 6.988 | 43 | 23724 | 26.080 | ug/l | # | 96 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 59433 | 19.683 | ug/l | | 96 |
| 39) Methylcyclohexane | 9.116 | 83 | 61029 | 18.619 | ug/l | | 92 |
| 40) Benzene | 8.085 | 78 | 150967 | 21.027 | ug/l | | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.250 | 41 | 15142m | 30.084 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 41726 | 22.916 | ug/l | | 98 |
| 43) Isopropyl Acetate | 8.201 | 43 | 45505 | 25.040 | ug/l | | 97 |
| 44) Trichloroethene | 8.872 | 130 | 38841 | 19.606 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 36268 | 22.538 | ug/l | | 99 |
| 46) Dibromomethane | 9.237 | 93 | 20417 | 21.802 | ug/l | | 93 |
| 47) Bromodichloromethane | 9.426 | 83 | 53424 | 21.723 | ug/l | | 97 |
| 48) Methyl methacrylate | 9.225 | 41 | 19957 | 23.066 | ug/l | | 91 |
| 49) 1,4-Dioxane | 9.237 | 88 | 3939 | 395.839 | ug/l | # | 90 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 114844 | 122.983 | ug/l | | 94 |
| 52) Toluene | 10.176 | 92 | 95614 | 20.517 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 47690 | 21.429 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 57105 | 21.469 | ug/l | # | 89 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 26314 | 21.129 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.445 | 69 | 34126 | 20.963 | ug/l | # | 86 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 45784 | 21.690 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 83057 | 120.208 | ug/l | | 95 |
| 59) 2-Hexanone | 10.768 | 43 | 72555 | 119.535 | ug/l | | 92 |
| 60) Dibromochloromethane | 10.914 | 129 | 36853 | 20.754 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 24505 | 20.600 | ug/l | | 97 |
| 64) Tetrachloroethene | 10.652 | 164 | 34418 | 18.655 | ug/l | | 97 |
| 65) Chlorobenzene | 11.444 | 112 | 103141 | 20.015 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 36817 | 20.130 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.524 | 91 | 182430 | 20.446 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.633 | 106 | 138826 | 40.497 | ug/l | | 97 |
| 69) o-Xylene | 11.963 | 106 | 64616 | 20.276 | ug/l | | 98 |
| 70) Styrene | 11.975 | 104 | 108143 | 20.439 | ug/l | | 99 |
| 71) Bromoform | 12.139 | 173 | 21254 | 19.718 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.261 | 105 | 171836 | 20.921 | ug/l | | 100 |
| 74) N-amyl acetate | 12.078 | 43 | 37235 | 24.896 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 29712 | 22.410 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 21952m | 23.712 | ug/l | | |
| 77) Bromobenzene | 12.536 | 156 | 40491 | 20.793 | ug/l | | 95 |
| 78) n-propylbenzene | 12.603 | 91 | 206279 | 21.429 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 118673 | 21.638 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 142319 | 21.150 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 9872 | 22.135 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 121872 | 21.712 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.005 | 119 | 128881 | 20.651 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 139446 | 21.214 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.182 | 105 | 185044 | 20.943 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 154555 | 20.815 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 77631 | 20.446 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 76342 | 20.248 | ug/l | | 97 |
| 89) n-Butylbenzene | 13.627 | 91 | 138532 | 20.829 | ug/l | | 98 |
| 90) Hexachloroethane | 13.889 | 117 | 31796 | 21.166 | ug/l | | 93 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 67363 | 20.344 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 4160 | 20.380 | ug/l | | 88 |
| 93) 1,2,4-Trichlorobenzene | 14.932 | 180 | 34770 | 17.150 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 24481 | 17.435 | ug/l | | 97 |
| 95) Naphthalene | 15.151 | 128 | 55021 | 16.886 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 29301 | 17.090 | ug/l | | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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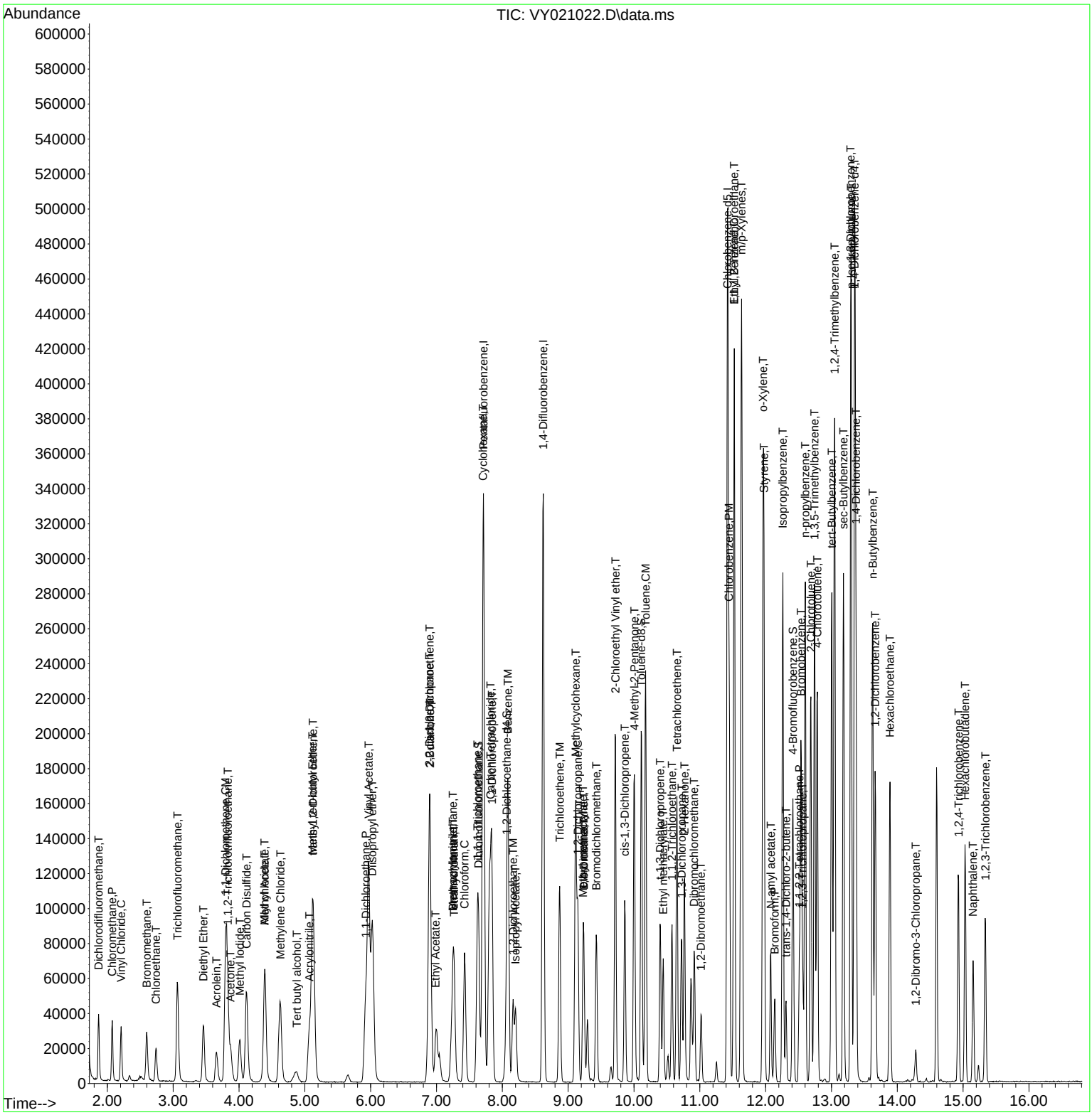
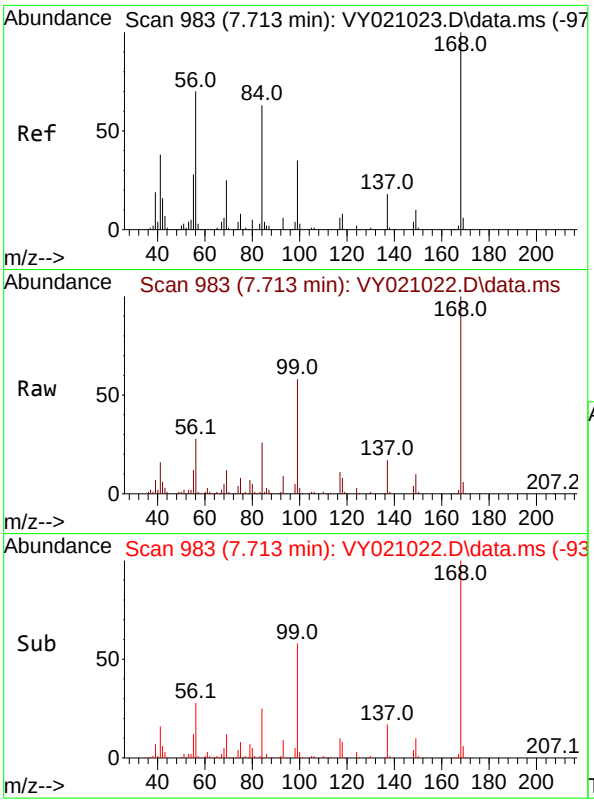





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

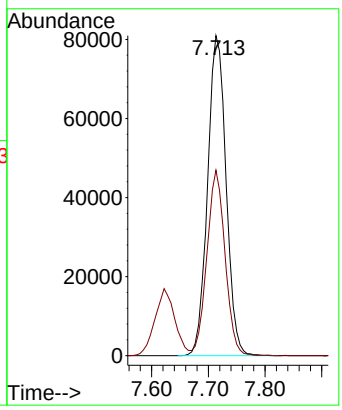
Tgt Ion:168 Resp: 18356

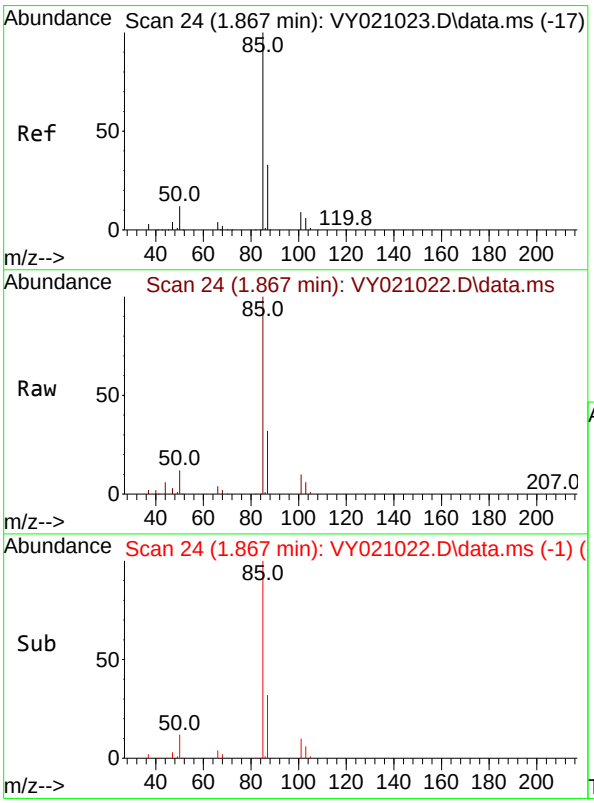
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.9 | 42.2 | 63.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

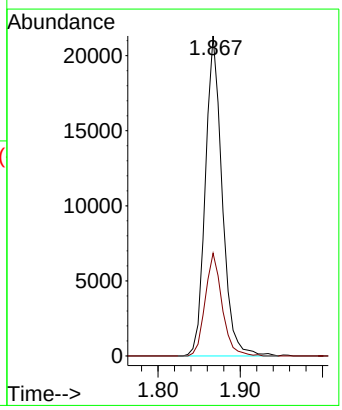


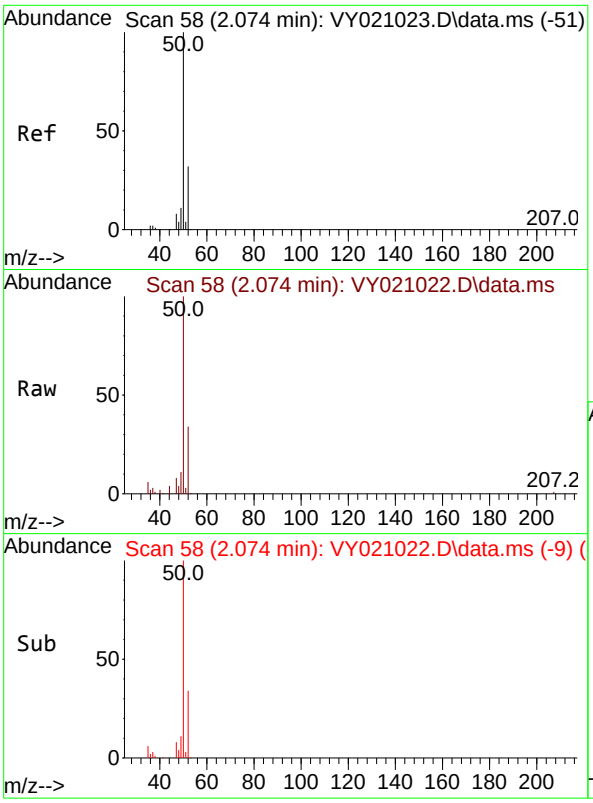




#2
Dichlorodifluoromethane
Concen: 19.435 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 85 Resp: 30336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 16.3 | 48.9 |

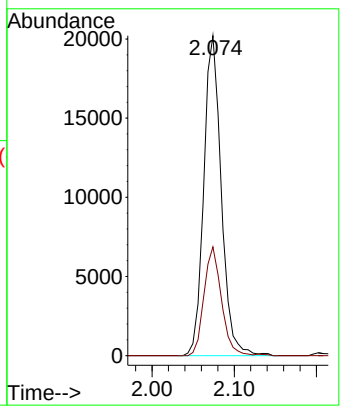





#3
Chloromethane
Concen: 30.154 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 50 Resp: 2992

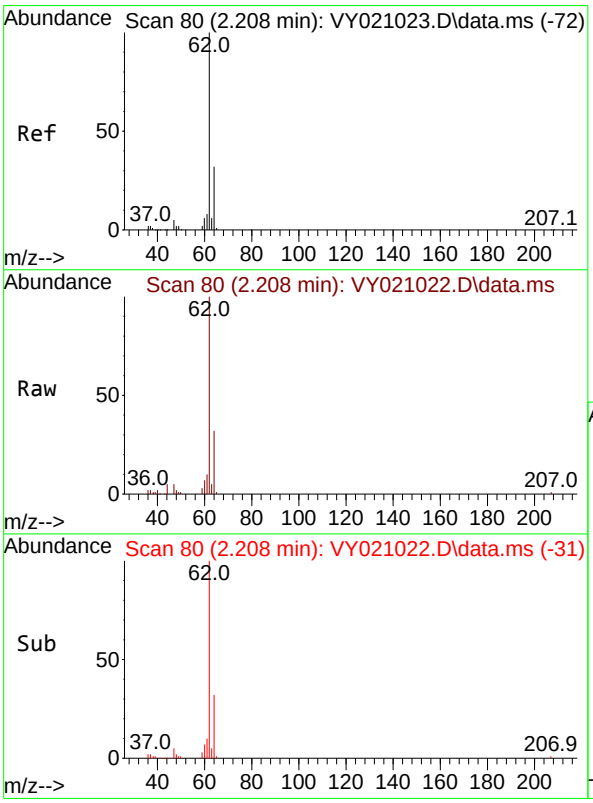
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.0 | 26.3 | 39.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

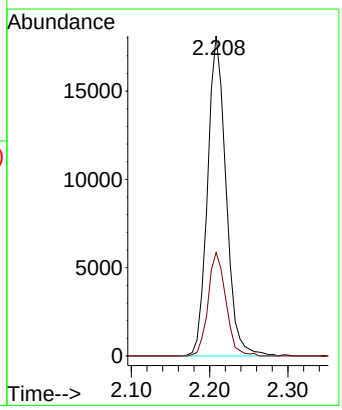
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

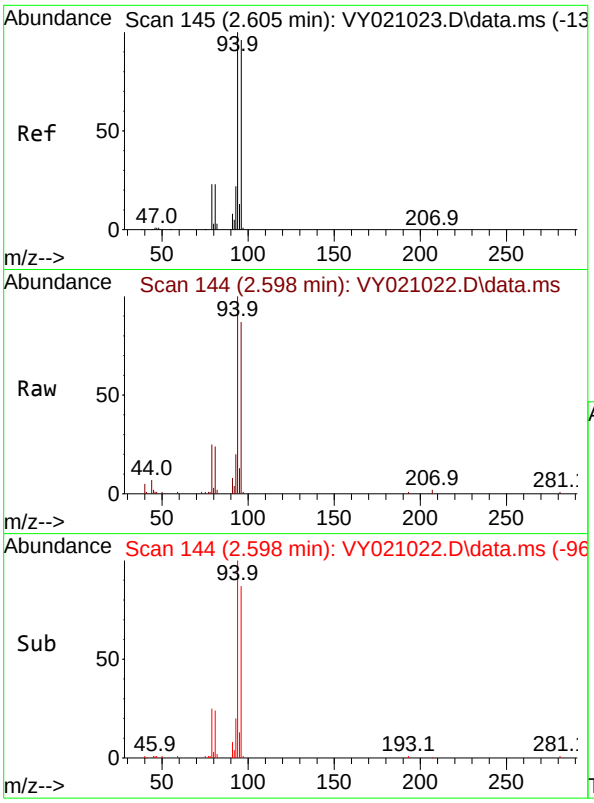



#4
Vinyl Chloride
Concen: 28.986 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 62 Resp: 29658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 25.4 | 38.2 |

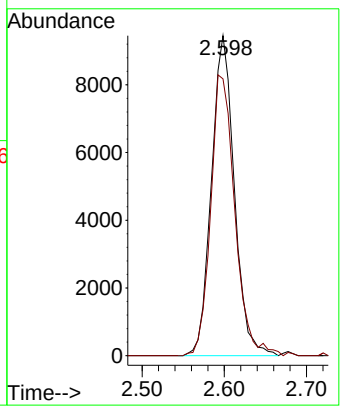





#5
Bromomethane
Concen: 26.423 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 94 Resp: 1830

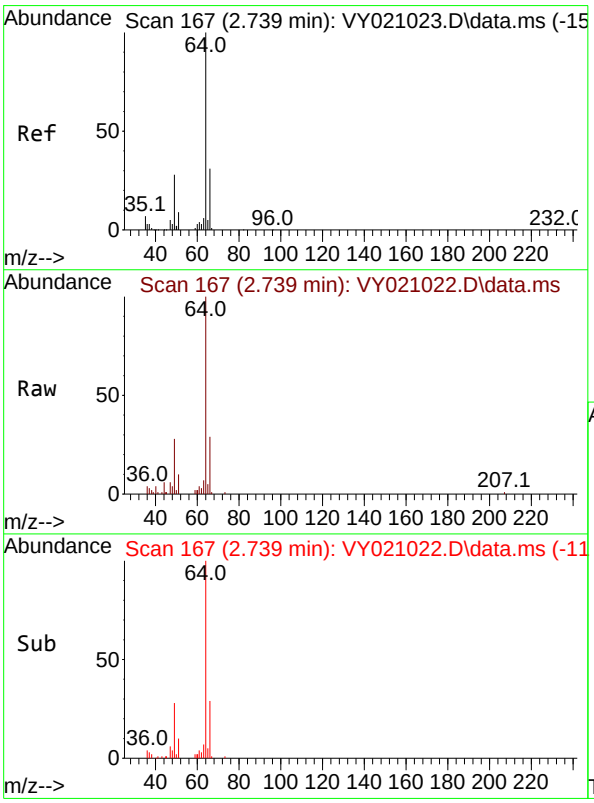
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 86.5 | 77.4 | 116.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

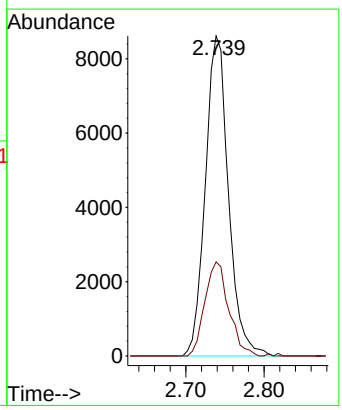
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

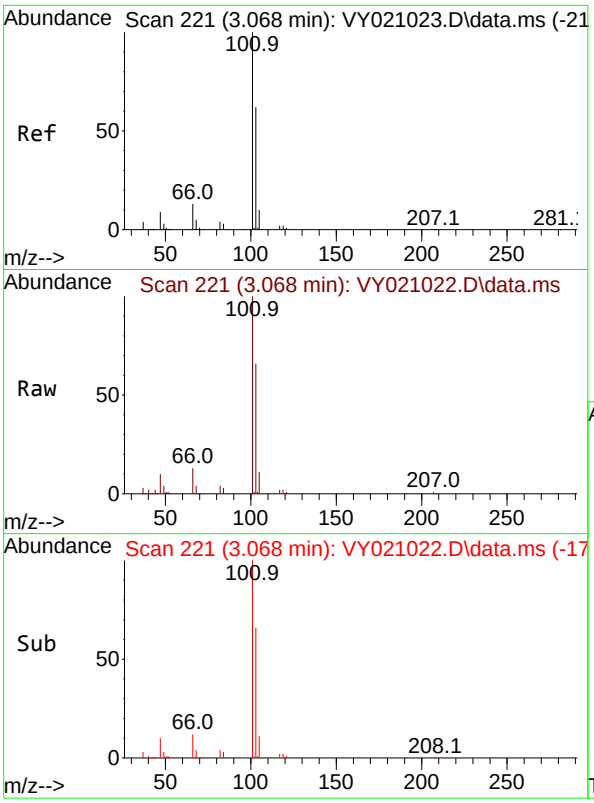



#6
Chloroethane
Concen: 29.503 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 64 Resp: 17634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 29.4 | 25.0 | 37.4 |

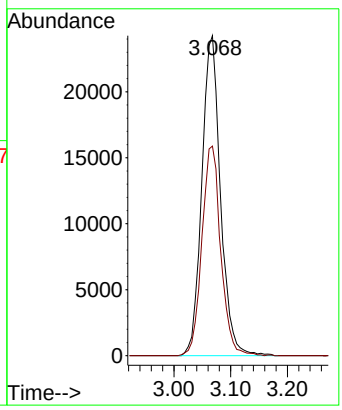





#7
Trichlorofluoromethane
Concen: 22.457 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:101 Resp: 5545

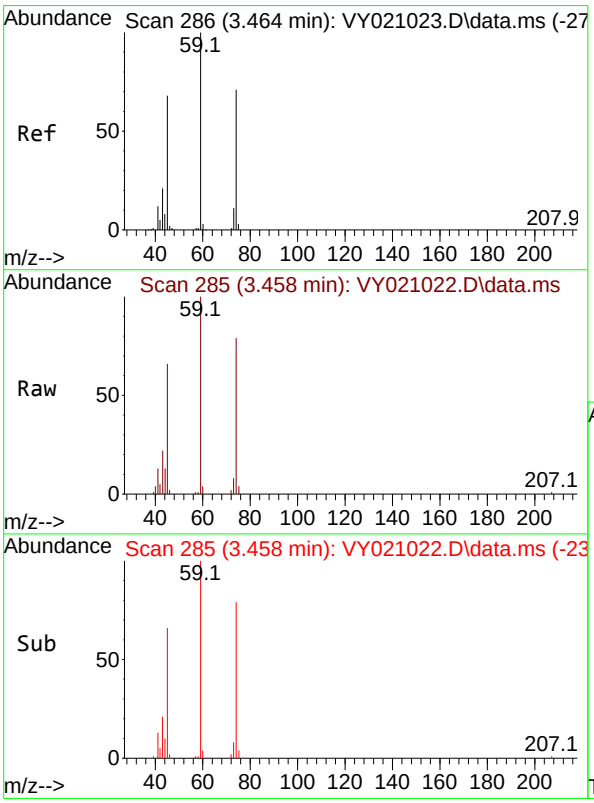
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

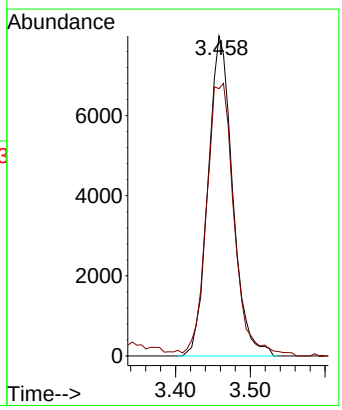
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

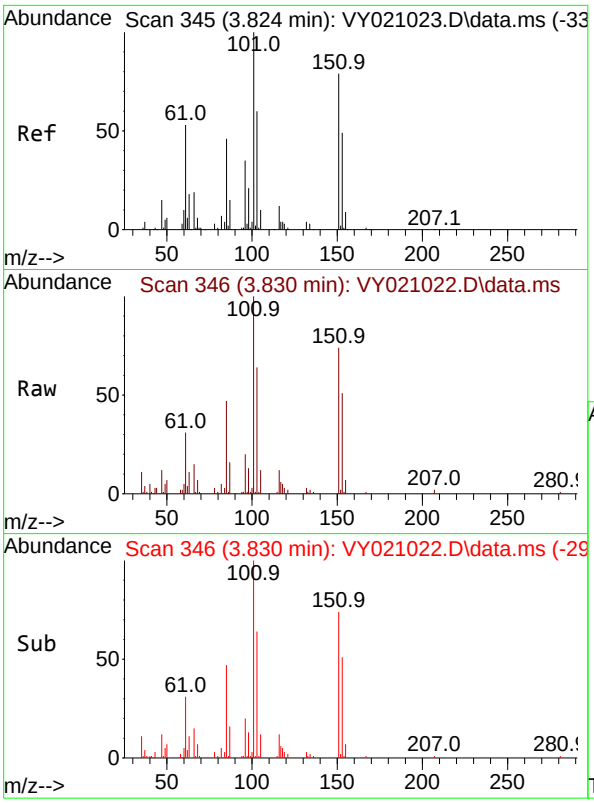



#8
Diethyl Ether
Concen: 24.733 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 74 Resp: 18232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.6 | 43.4 | 130.2 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.855 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:101 Resp: 3467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 34.9 | 52.3 |
| 151 | 78.7 | 66.8 | 100.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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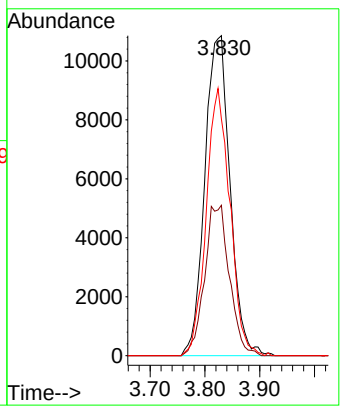
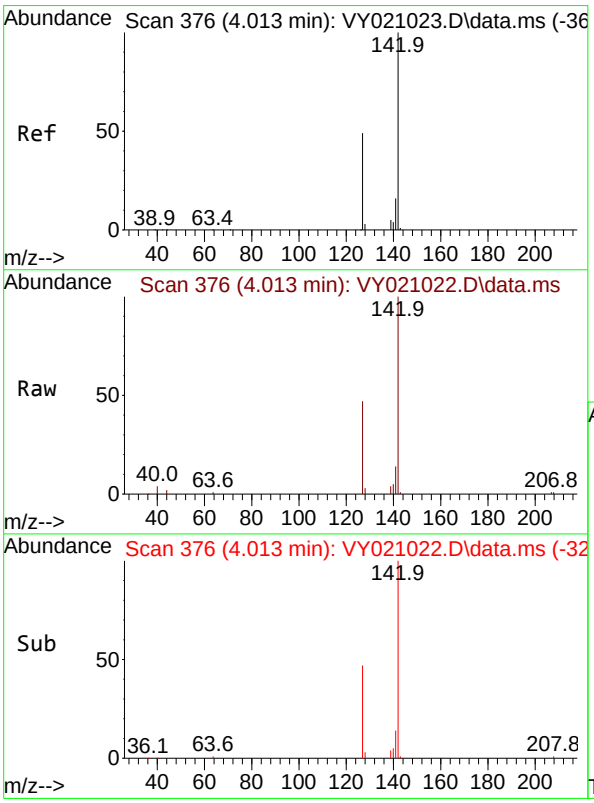
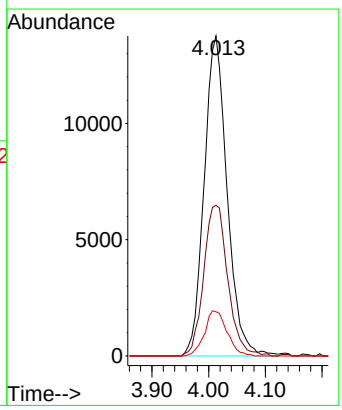


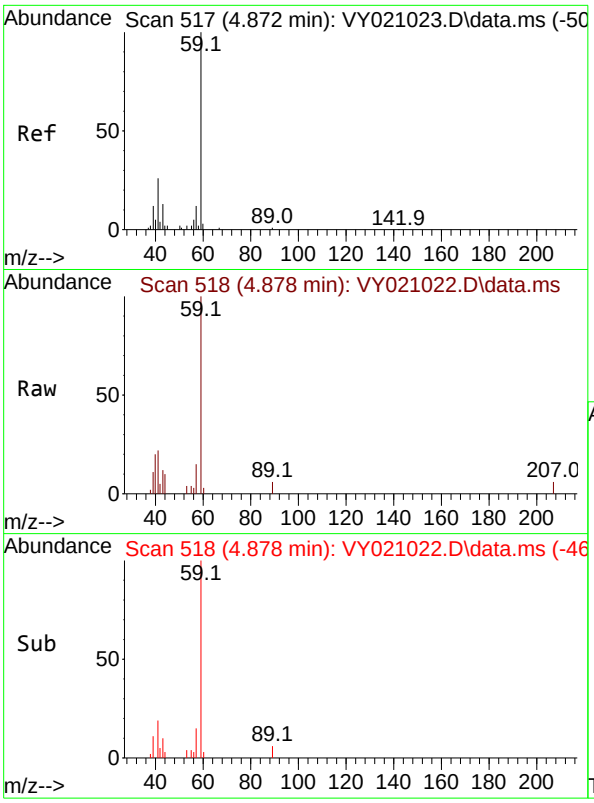




#10
Methyl Iodide
Concen: 20.338 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:142 Resp: 38697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.5 | 38.9 | 58.3 |
| 141 | 13.8 | 11.7 | 17.5 |

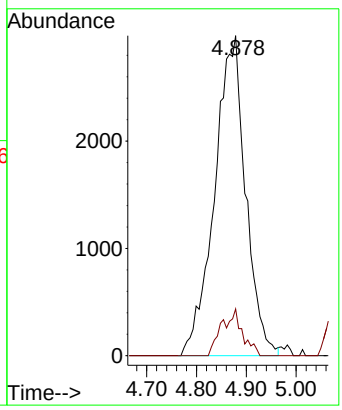





#11
Tert butyl alcohol
Concen: 112.894 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 59 Resp: 1288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 6.0 | 7.8 | 11.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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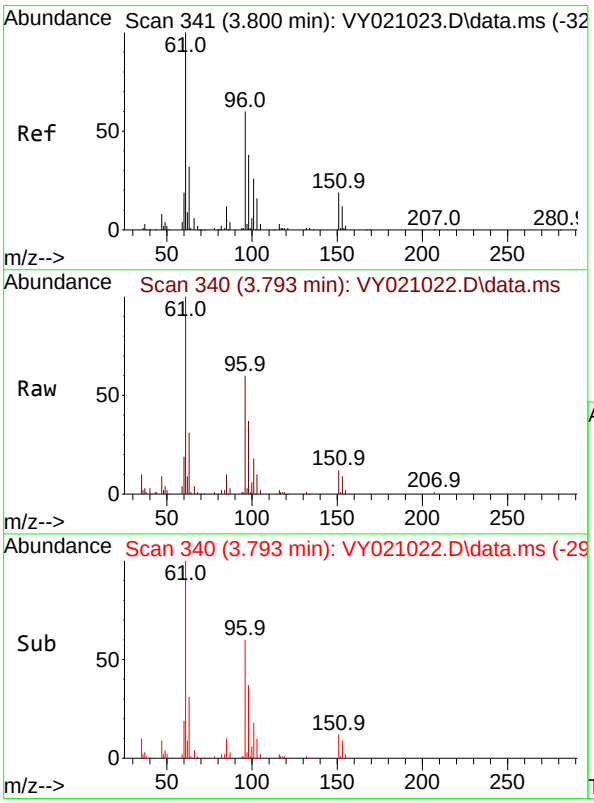
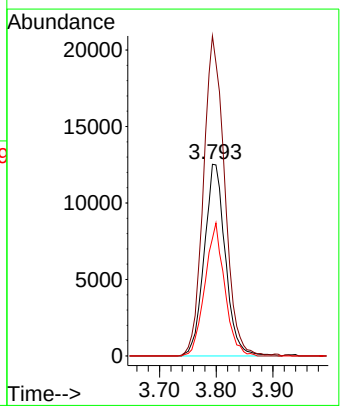
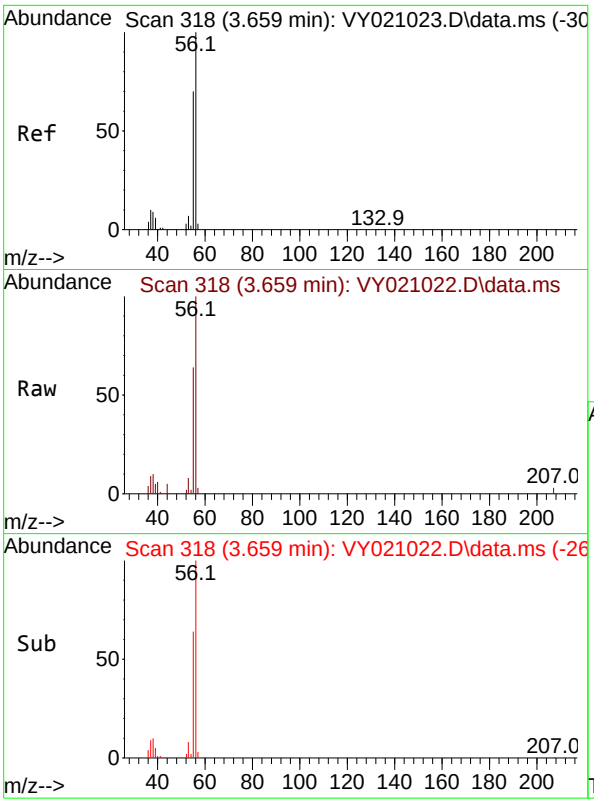



#12
1,1-Dichloroethene
Concen: 20.845 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 32389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.9 | 120.8 | 181.2 |
| 98 | 61.3 | 50.6 | 76.0 |

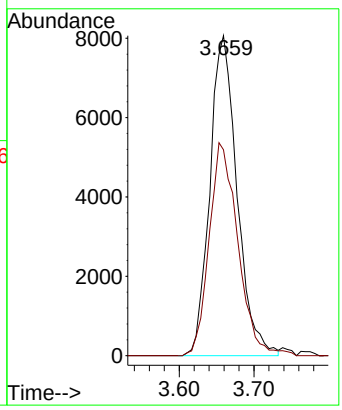





#13
Acrolein
Concen: 155.371 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 56 Resp: 2042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.3 | 56.1 | 84.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

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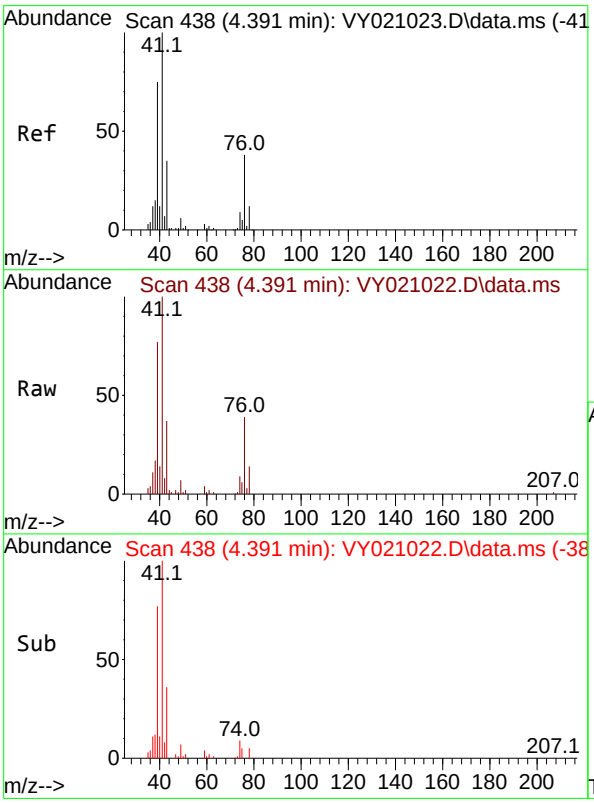
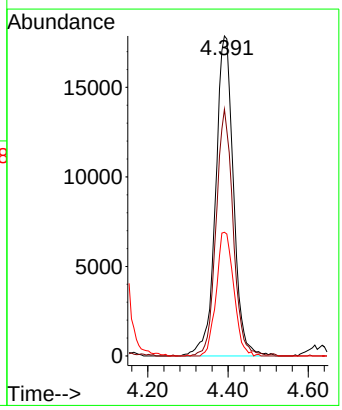
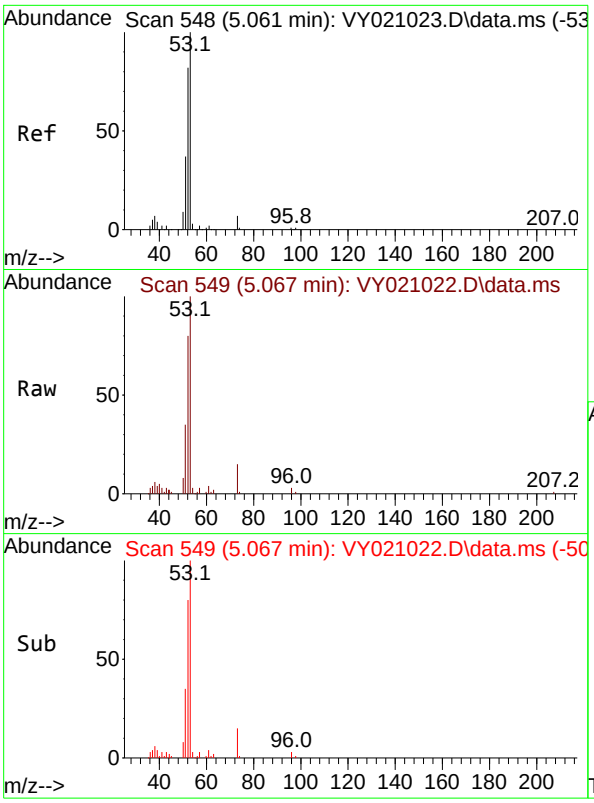



#14
Allyl chloride
Concen: 25.859 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 55315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.2 | 53.5 | 80.3 |
| 76 | 37.8 | 34.6 | 52.0 |

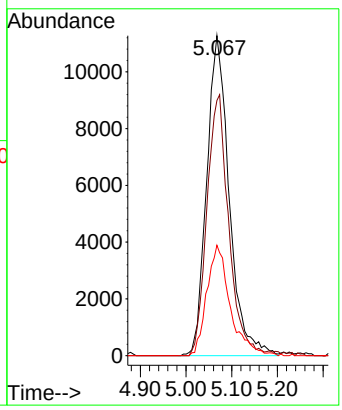





#15
Acrylonitrile
Concen: 127.343 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 53 Resp: 3861

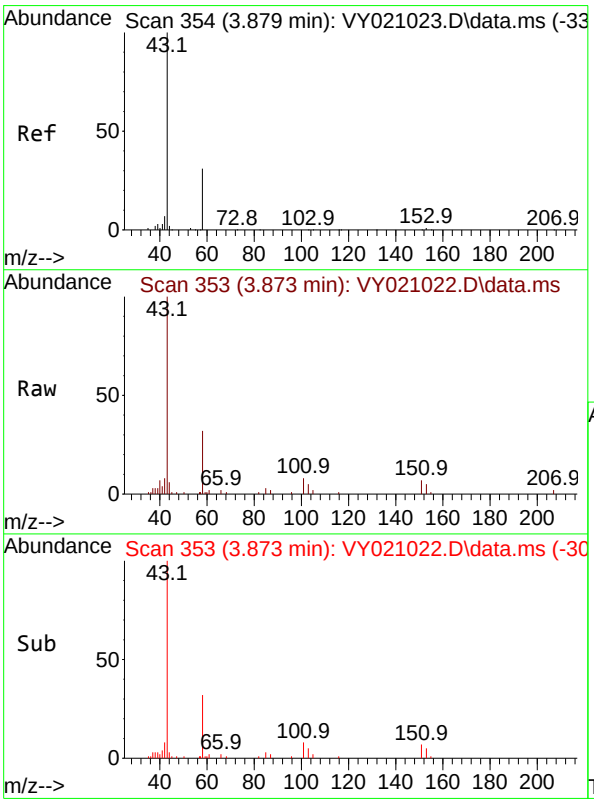
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 79.0 | 66.2 | 99.4 |
| 51 | 35.8 | 29.4 | 44.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

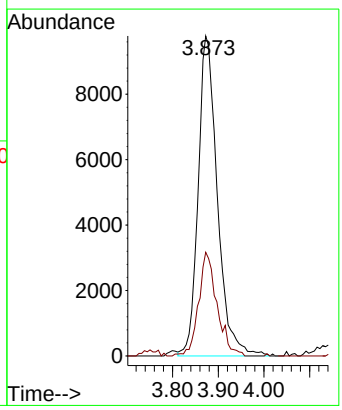
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

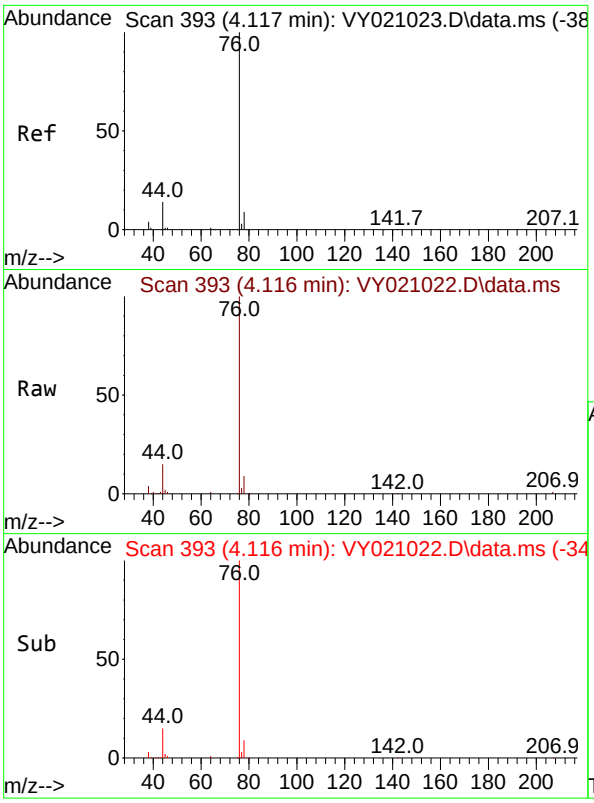



#16
Acetone
Concen: 133.874 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 28518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.4 | 28.4 | 42.6 |

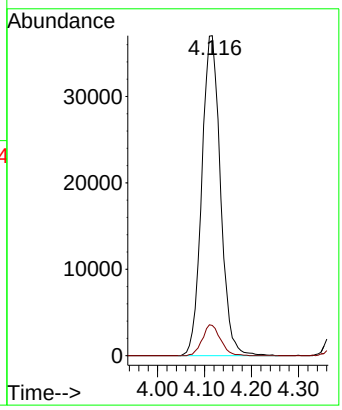





#17
Carbon Disulfide
Concen: 21.308 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 76 Resp: 10197

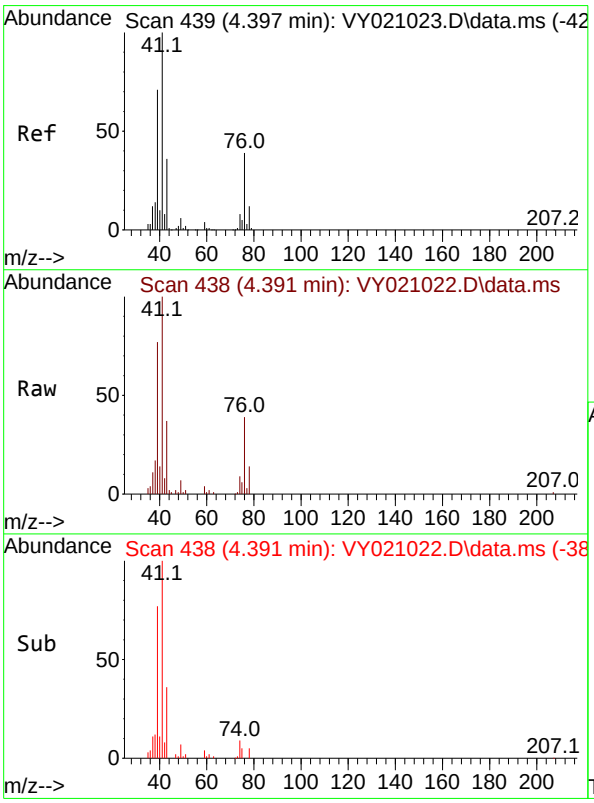
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.3 | 10.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

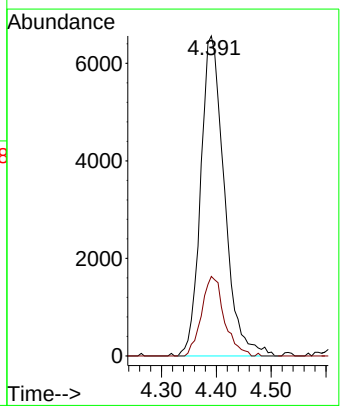
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

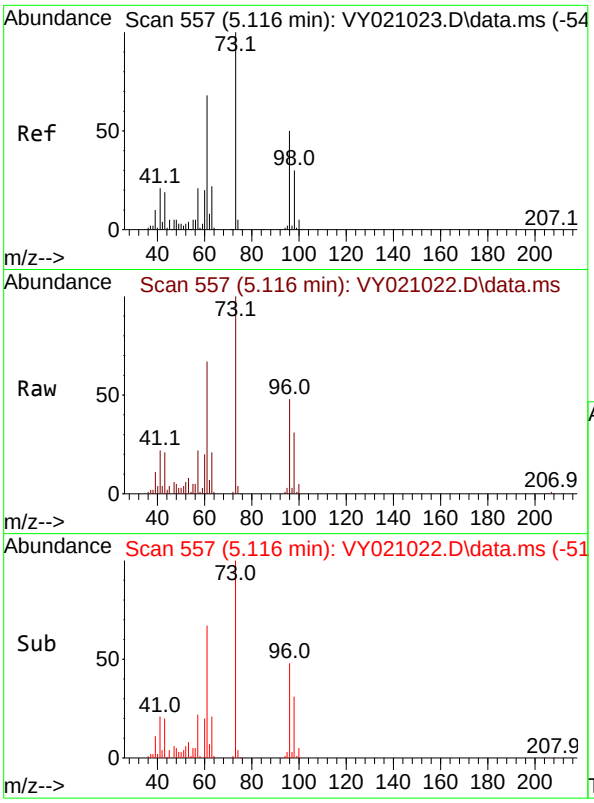



#18
Methyl Acetate
Concen: 26.393 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 19673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.8 | 22.2 | 33.4 |

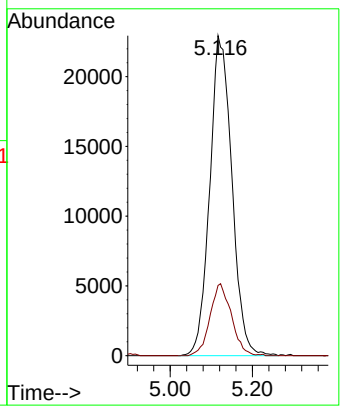





#19
Methyl tert-butyl Ether
Concen: 23.710 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 73 Resp: 8574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 16.6 | 25.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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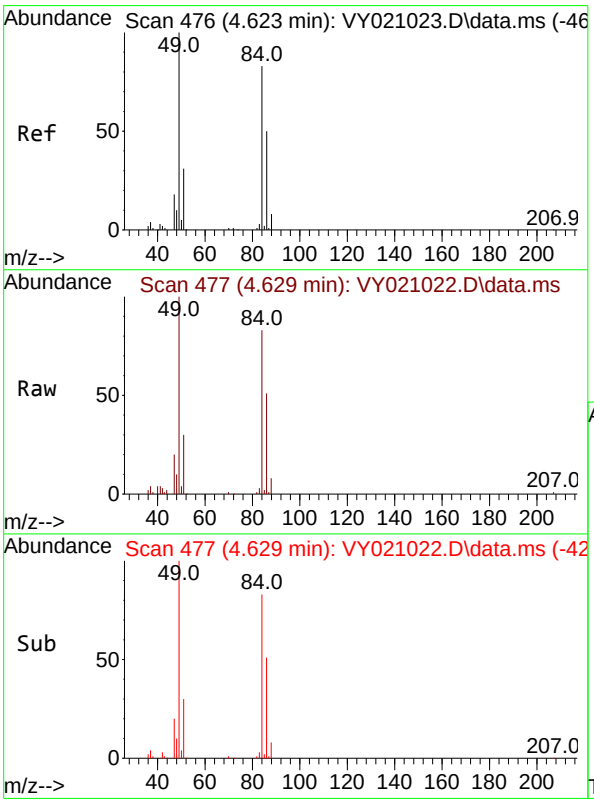
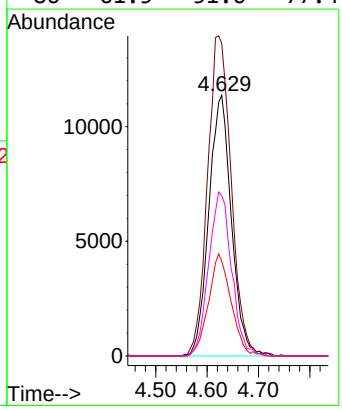
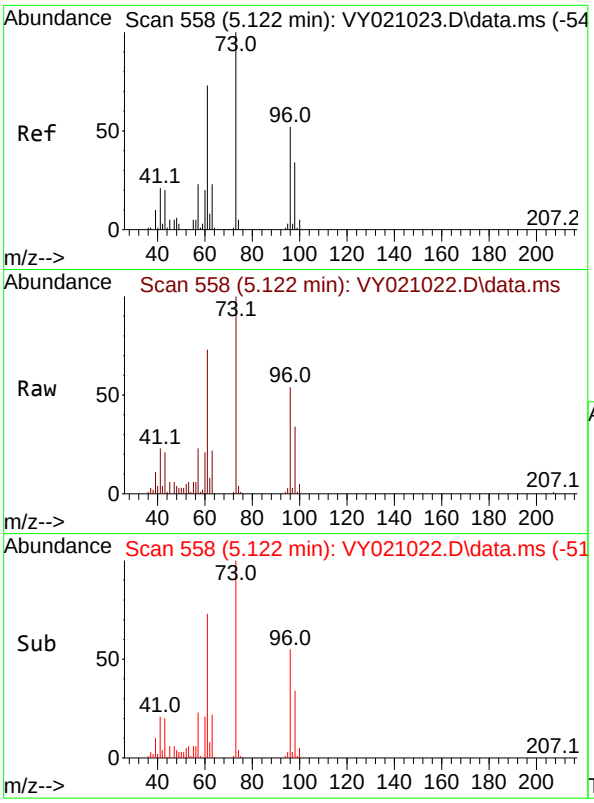



#20
Methylene Chloride
Concen: 22.087 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 84 Resp: 34701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.0 | 88.3 | 132.5 |
| 51 | 36.3 | 27.7 | 41.5 |
| 86 | 61.5 | 51.6 | 77.4 |

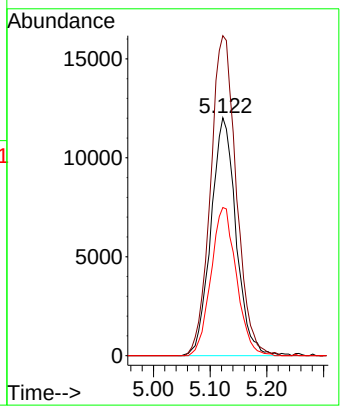





#21
trans-1,2-Dichloroethene
Concen: 22.137 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 3687

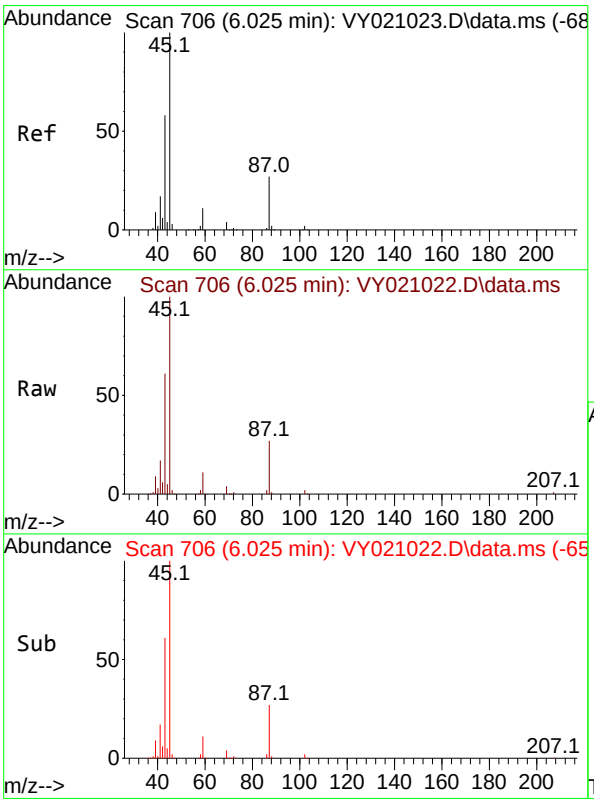
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.5 | 101.5 | 152.3 |
| 98 | 62.3 | 52.0 | 78.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

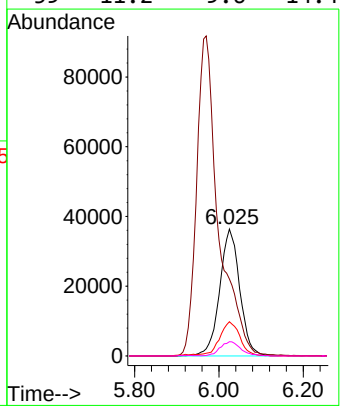
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

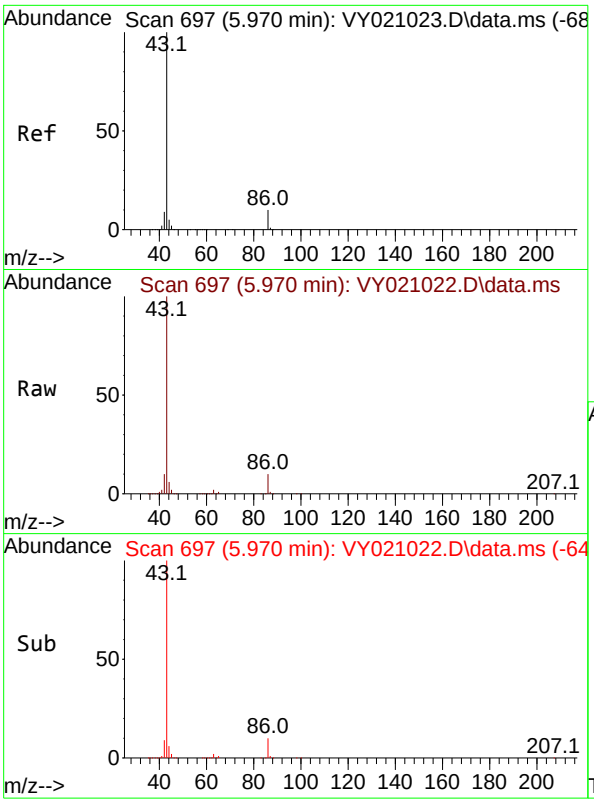



#22
Diisopropyl ether
Concen: 27.585 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 45 Resp: 120281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 60.3 | 45.1 | 67.7 |
| 87 | 27.0 | 25.0 | 37.4 |
| 59 | 11.2 | 9.6 | 14.4 |






#23
Vinyl Acetate
Concen: 137.224 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 33135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 9.7 | 14.5 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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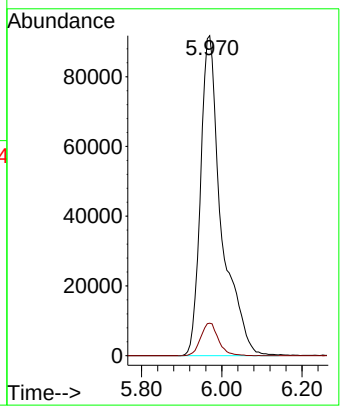
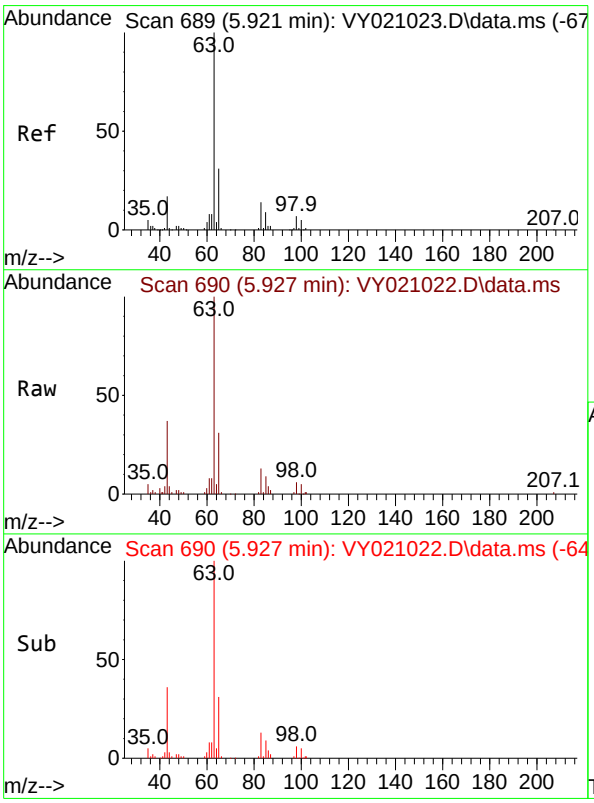
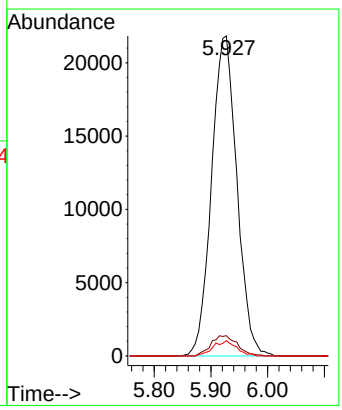


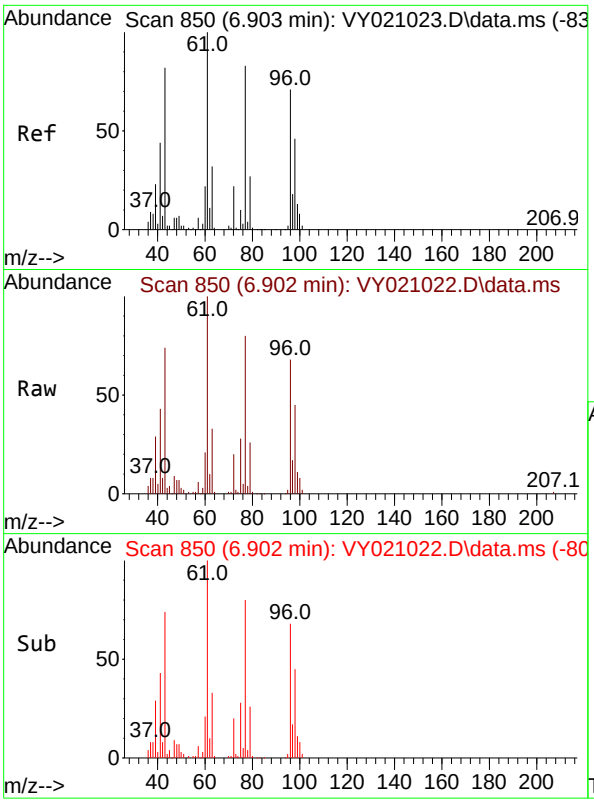




#24
1,1-Dichloroethane
Concen: 24.102 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 67799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.3 | 3.7 | 11.1 |
| 100 | 4.8 | 2.4 | 7.2 |

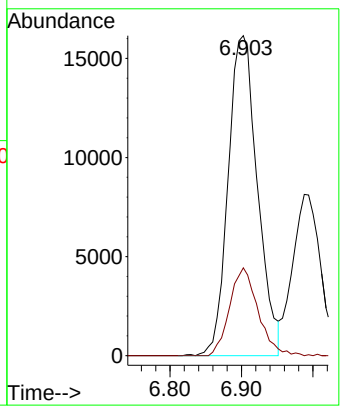





#25
2-Butanone
Concen: 127.520 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 4608

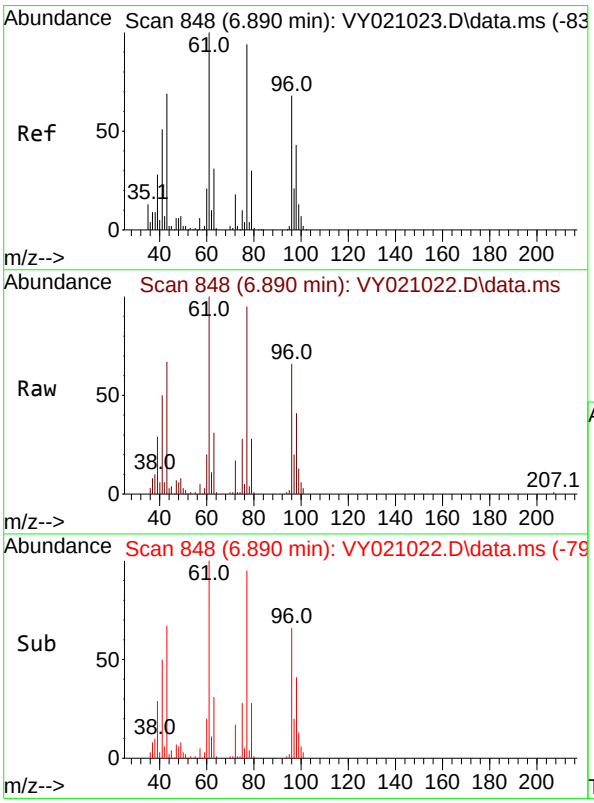
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.5 | 24.3 | 36.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

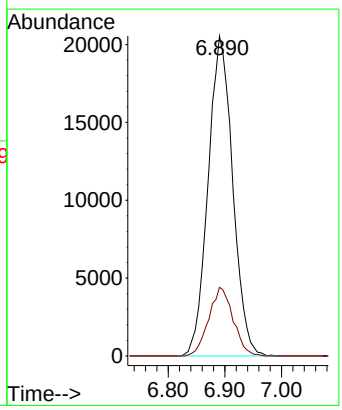
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

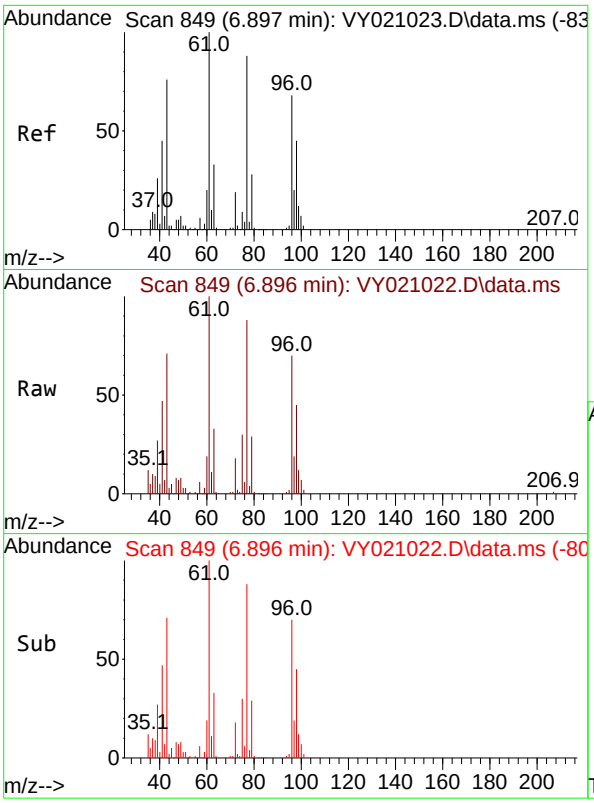



#26
2,2-Dichloropropane
Concen: 22.336 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 77 Resp: 61862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.3 | 11.4 | 34.2 |

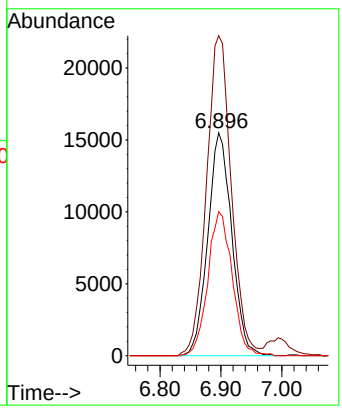





#27
cis-1,2-Dichloroethene
Concen: 22.120 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 4235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.6 | 0.0 | 274.0 |
| 98 | 65.6 | 0.0 | 130.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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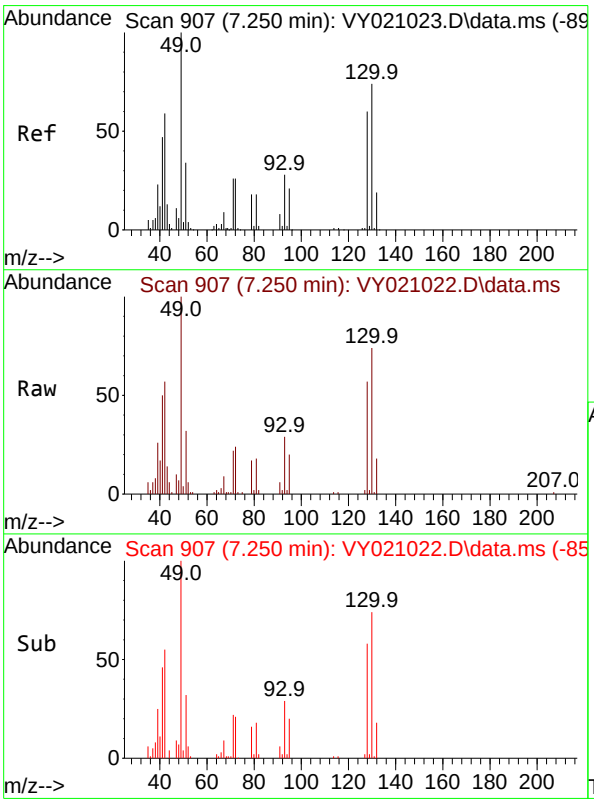
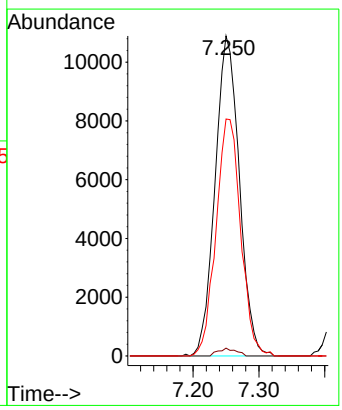
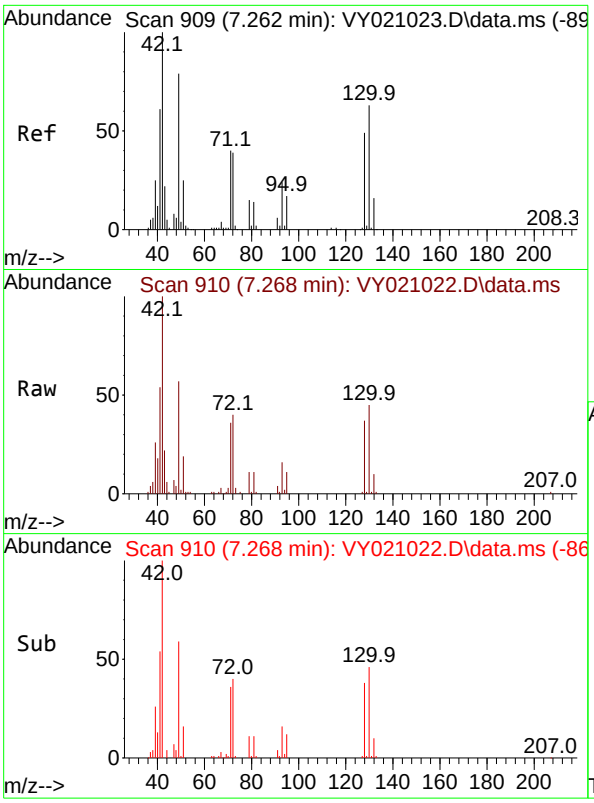



#28
Bromochloromethane
Concen: 26.684 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 49 Resp: 27966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 5.0 |
| 130 | 75.3 | 73.2 | 109.8 |

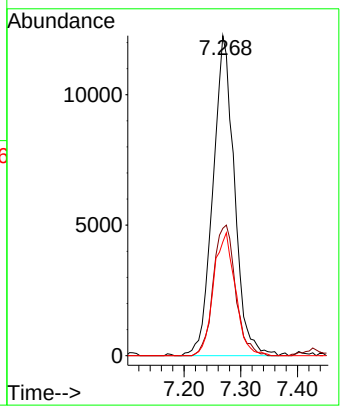





#29
Tetrahydrofuran
Concen: 132.707 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 42 Resp: 3227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.2 | 39.3 | 58.9 |
| 71 | 39.0 | 36.1 | 54.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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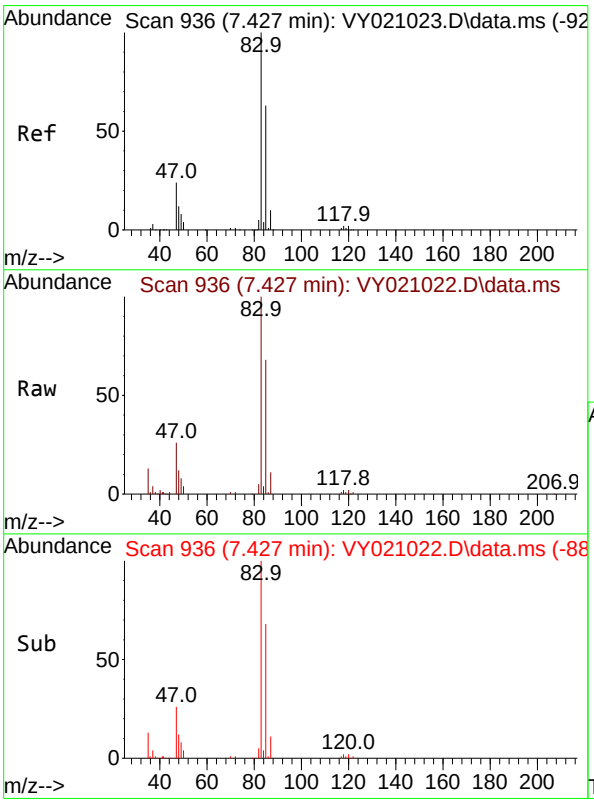
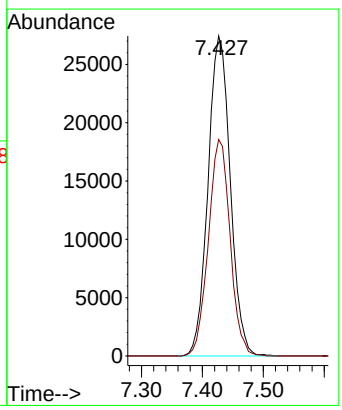
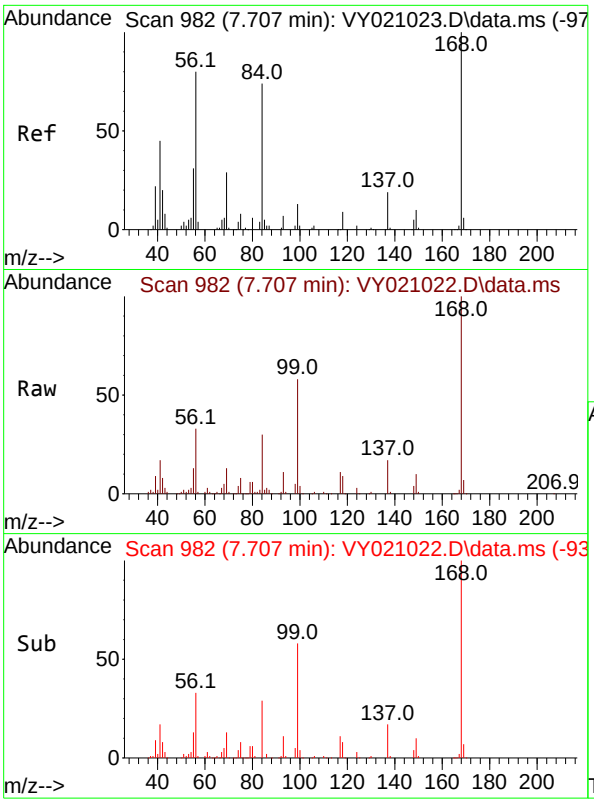



#30
Chloroform
Concen: 22.832 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 69562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.7 | 52.9 | 79.3 |

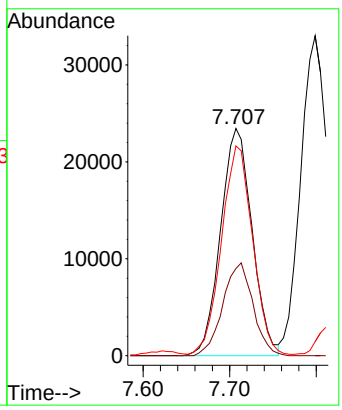





#31
Cyclohexane
Concen: 21.556 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 56 Resp: 5926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 38.4 | 27.7 | 41.5 |
| 84 | 91.2 | 77.5 | 116.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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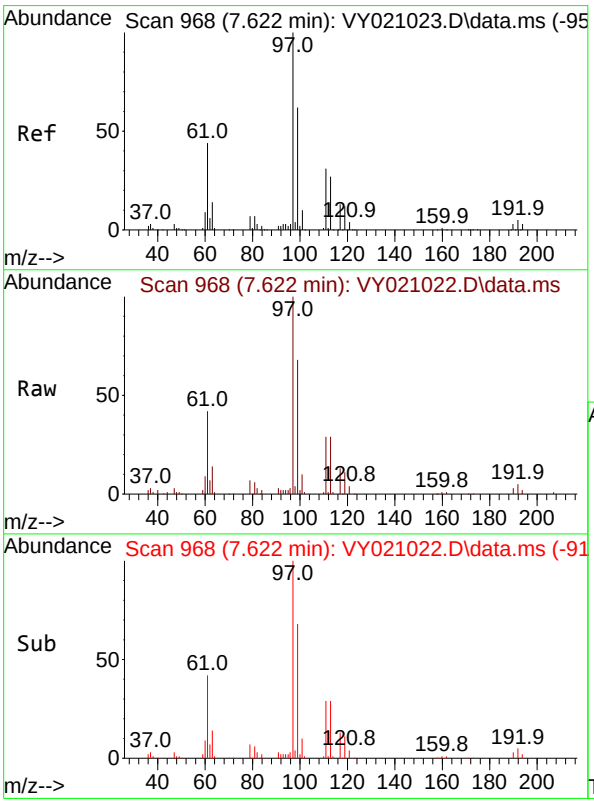
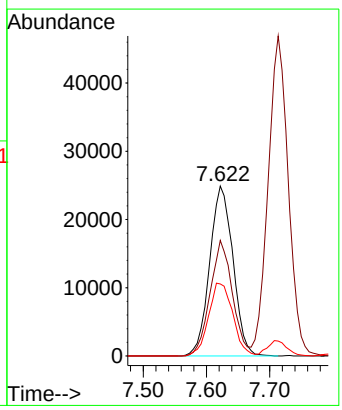
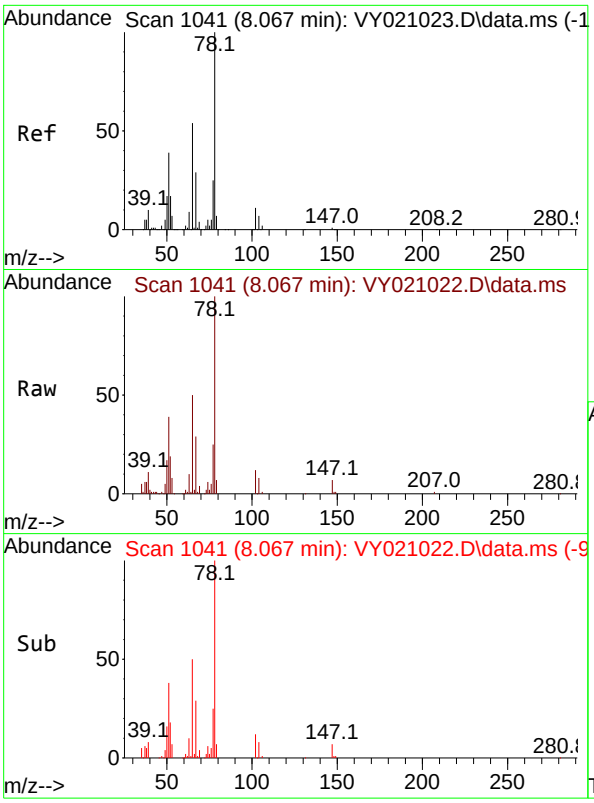



#32
1,1,1-Trichloroethane
Concen: 21.585 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 97 Resp: 63645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.5 | 51.4 | 77.0 |
| 61 | 44.5 | 31.4 | 47.0 |

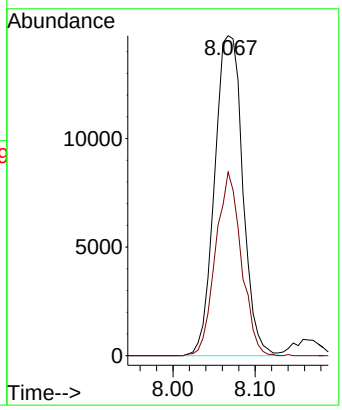





#33
1,2-Dichloroethane-d4
Concen: 22.450 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 65 Resp: 3508

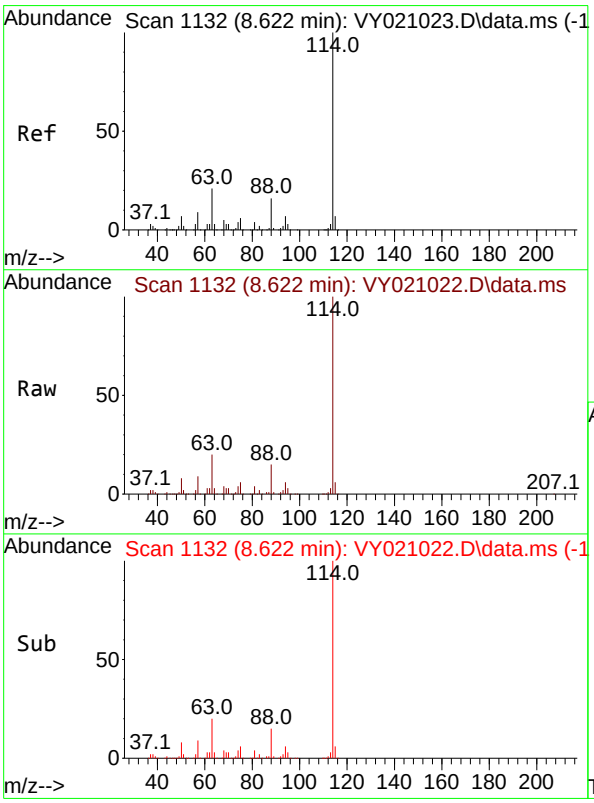
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 104.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

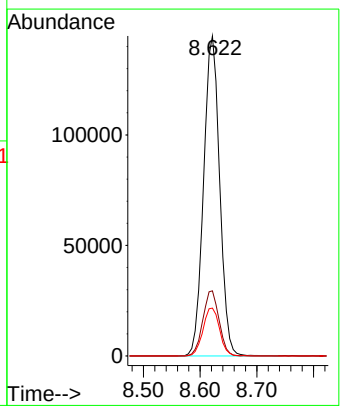
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

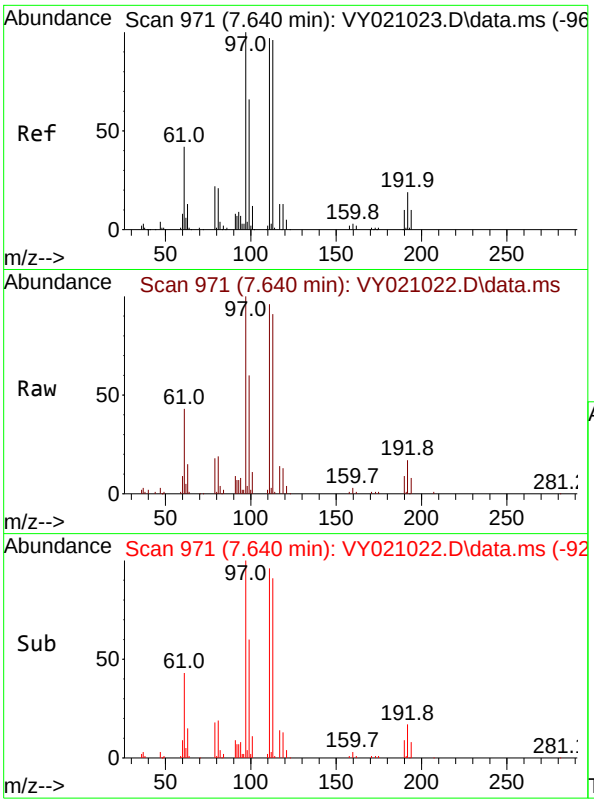



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:114 Resp: 284501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 37.2 |
| 88 | 15.0 | 0.0 | 29.6 |

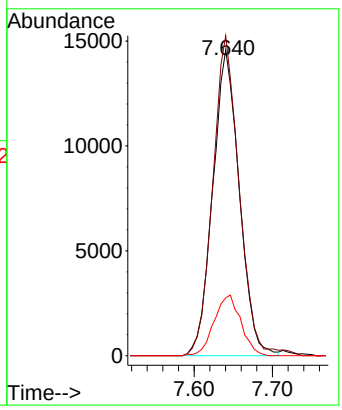





#35
Dibromofluoromethane
Concen: 20.042 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:113 Resp: 3427

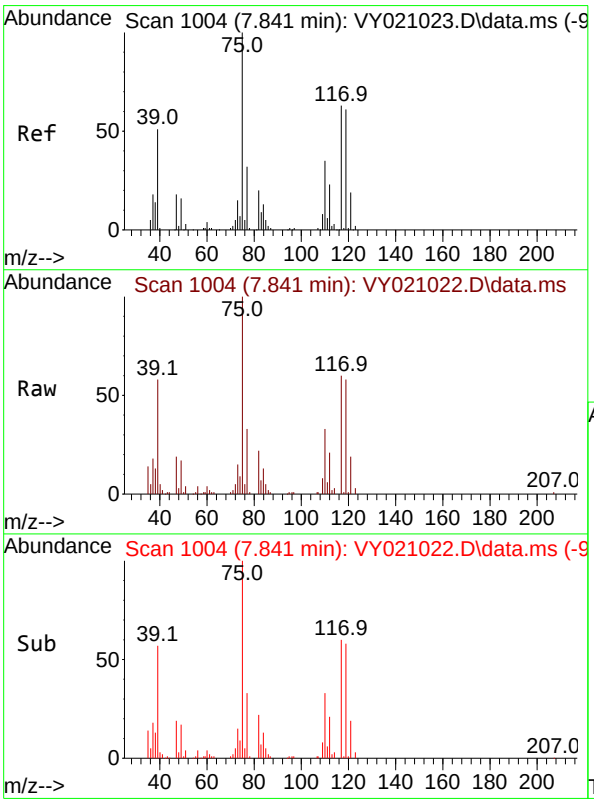
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.2 | 82.6 | 123.8 |
| 192 | 20.0 | 16.8 | 25.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

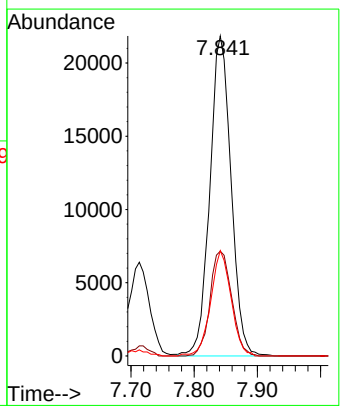
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

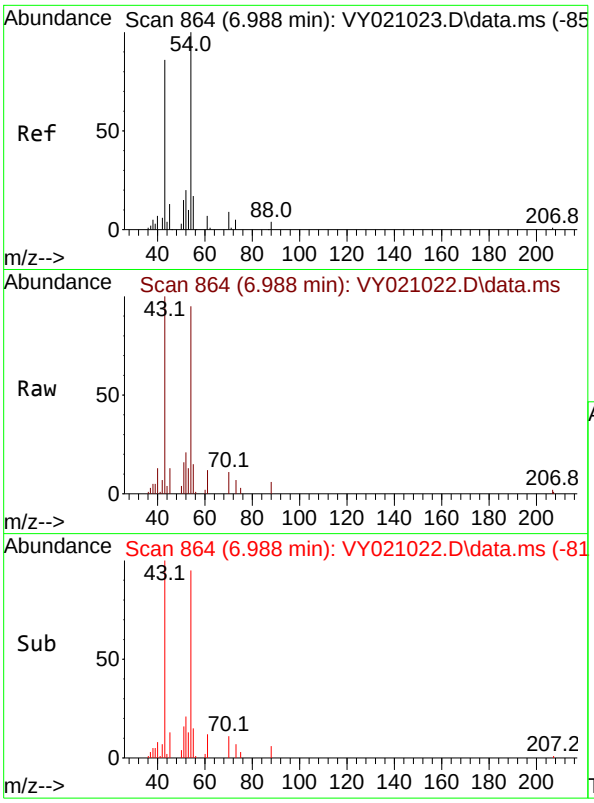



#36
1,1-Dichloropropene
Concen: 20.868 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 50918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.3 | 18.4 | 55.2 |
| 77 | 31.6 | 24.9 | 37.3 |

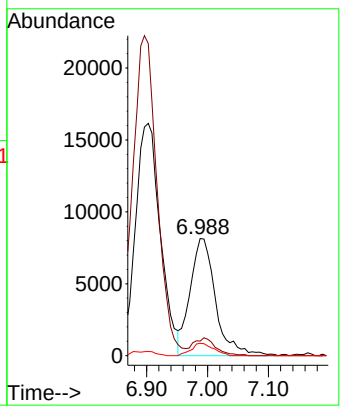





#37
Ethyl Acetate
Concen: 26.080 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 2372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 11.4 | 17.0 |
| 70 | 9.2 | 9.6 | 14.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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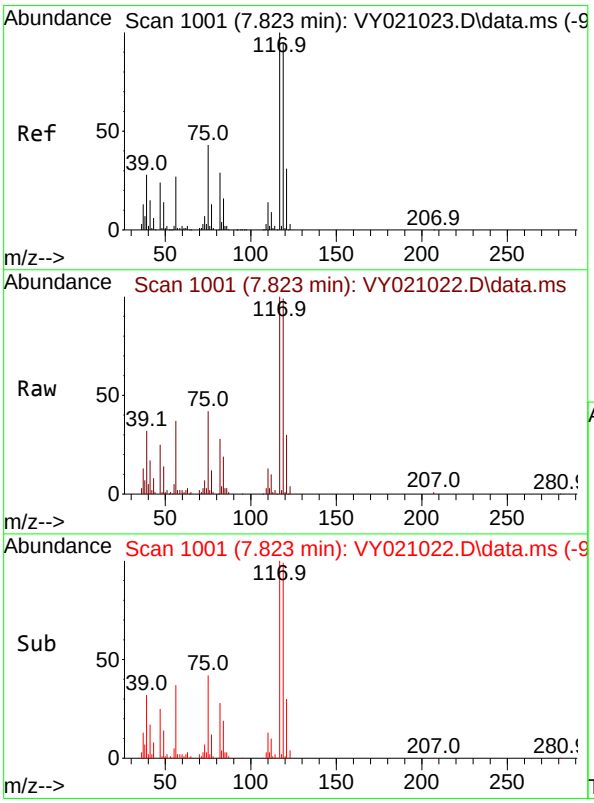
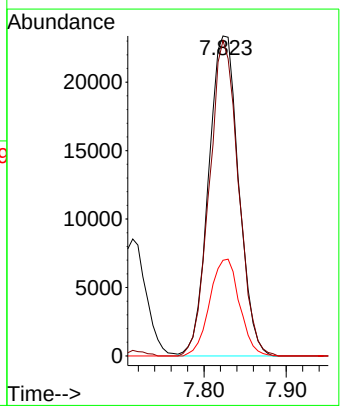
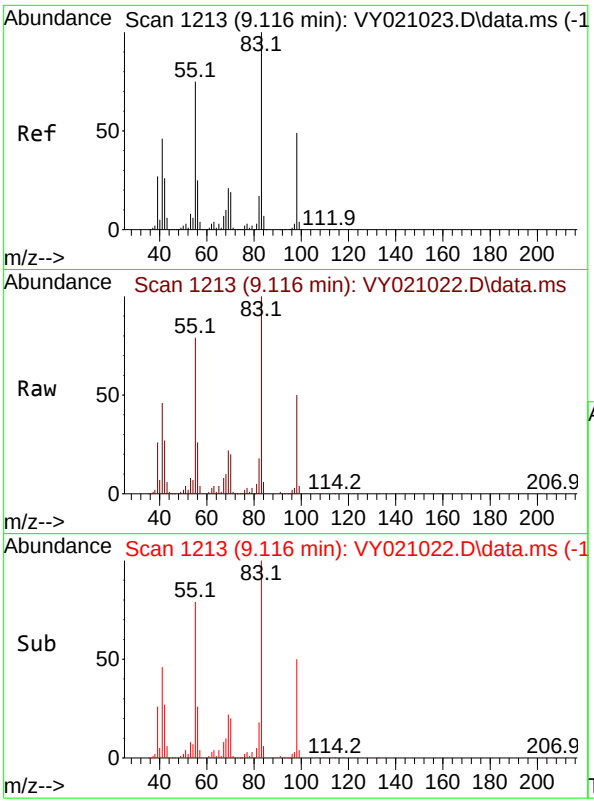



#38
Carbon Tetrachloride
Concen: 19.683 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 59433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.6 | 75.0 | 112.6 |
| 121 | 29.9 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 18.619 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 6102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.9 | 54.9 | 82.3 |
| 98 | 49.7 | 40.5 | 60.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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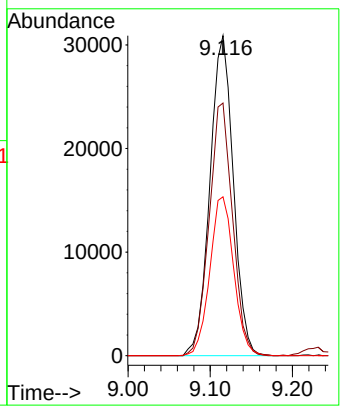
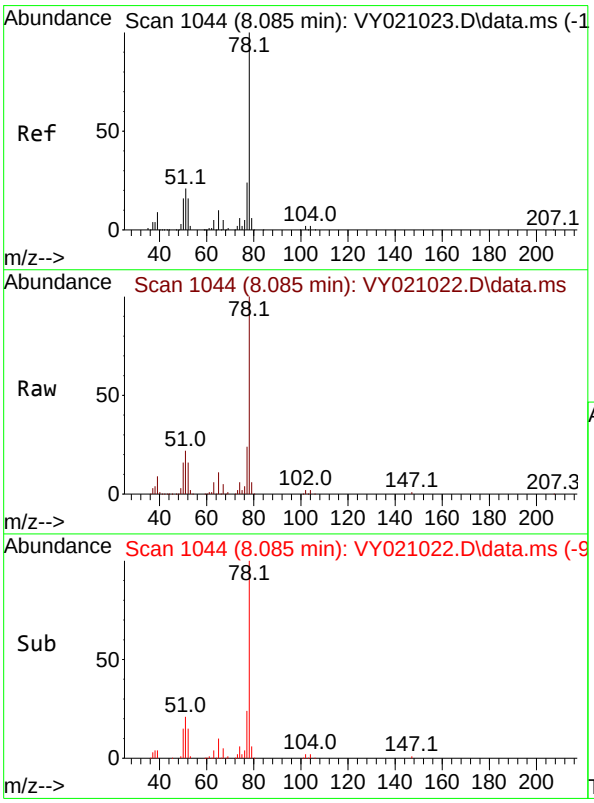
Supervised By :Semsettin Yesilyurt 02/04/2025

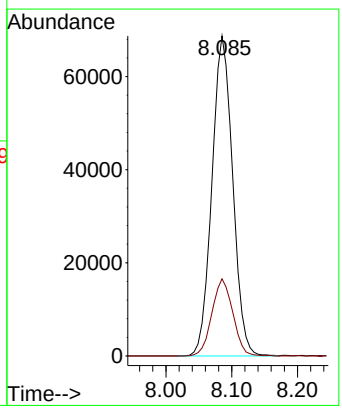


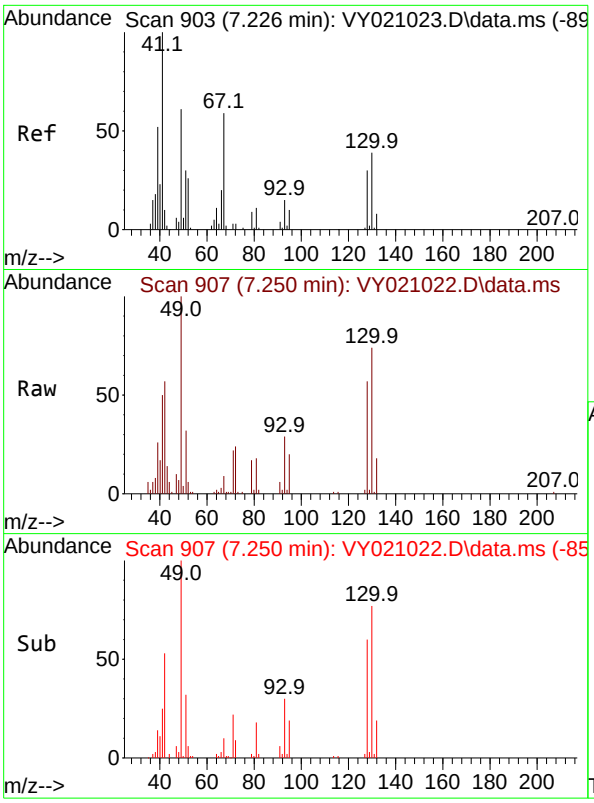




#40
Benzene
Concen: 21.027 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 78 Resp: 150967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.4 | 29.2 |

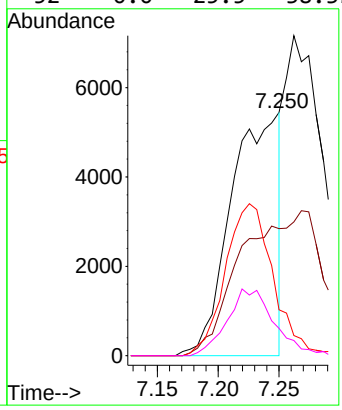





#41
Methacrylonitrile
Concen: 30.084 ug/l m
RT: 7.250 min Scan# 9
Delta R.T. 0.025 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 1514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 102.2 | 41.6 | 62.4# |
| 67 | 0.0 | 63.8 | 95.6# |
| 52 | 0.0 | 25.5 | 38.3# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

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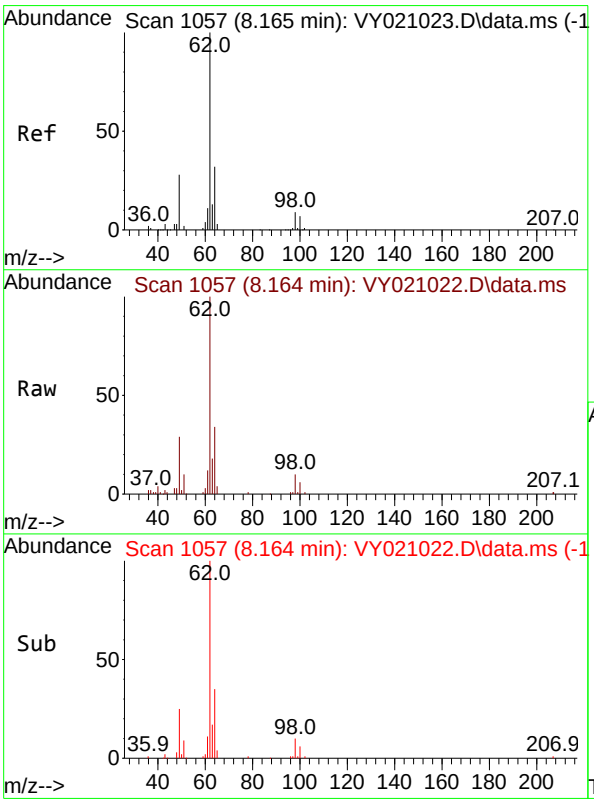
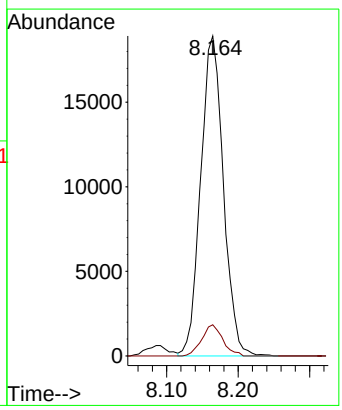
Supervised By :Semsettin Yesilyurt 02/04/2025

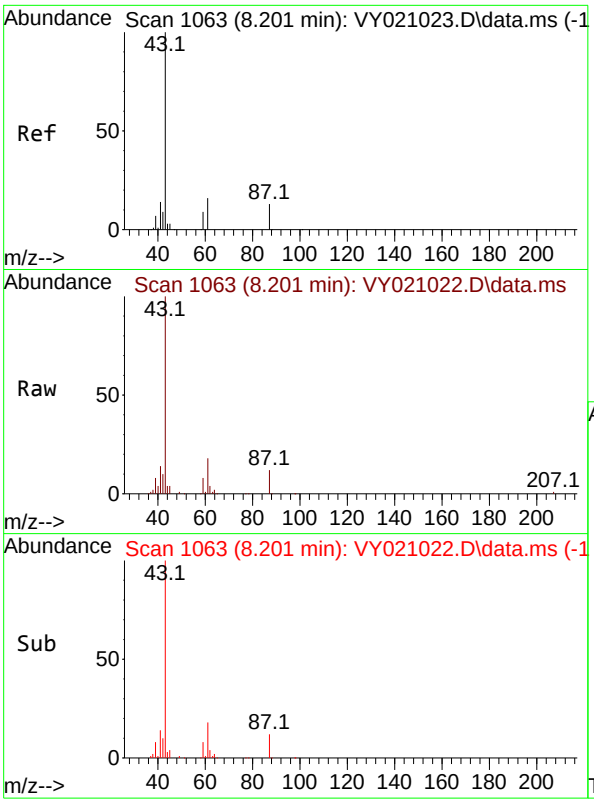



#42
1,2-Dichloroethane
Concen: 22.916 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 62 Resp: 41726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 19.4 |






#43
Isopropyl Acetate
Concen: 25.040 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 4550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.2 | 15.8 | 23.6 |
| 87 | 13.5 | 12.5 | 18.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

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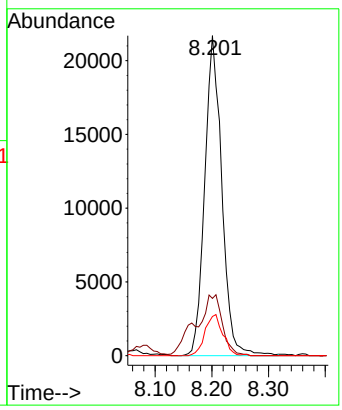
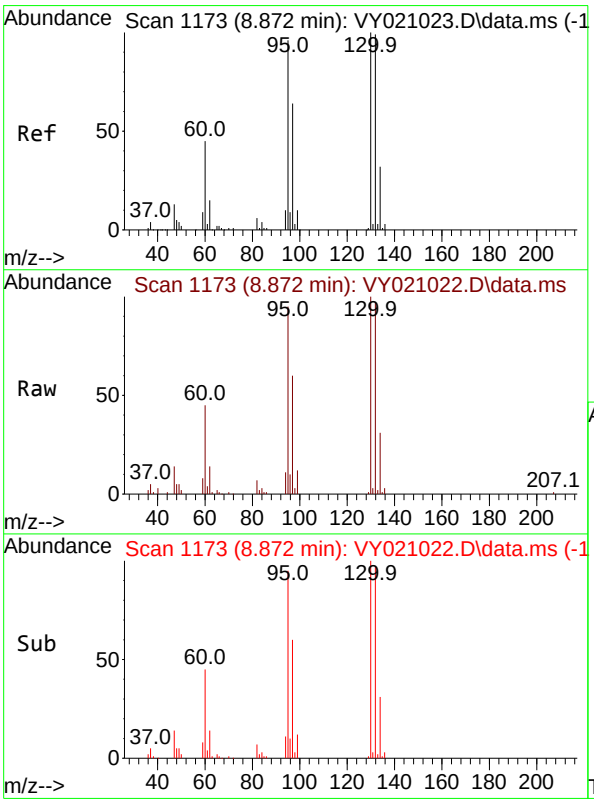
Supervised By :Semsettin Yesilyurt 02/04/2025

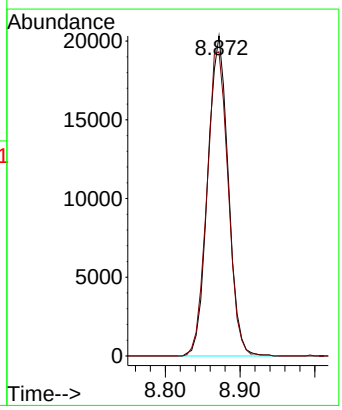


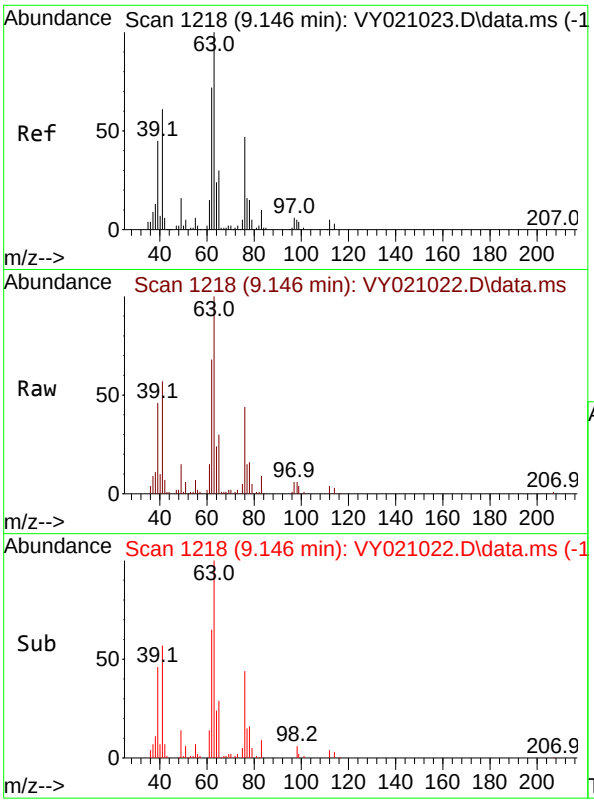




#44
Trichloroethene
Concen: 19.606 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:130 Resp: 38841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.0 | 0.0 | 189.6 |

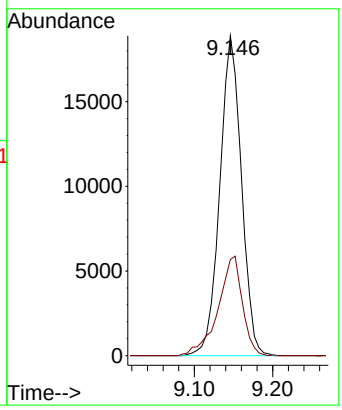





#45
1,2-Dichloropropane
Concen: 22.538 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 3626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.0 | 23.6 | 35.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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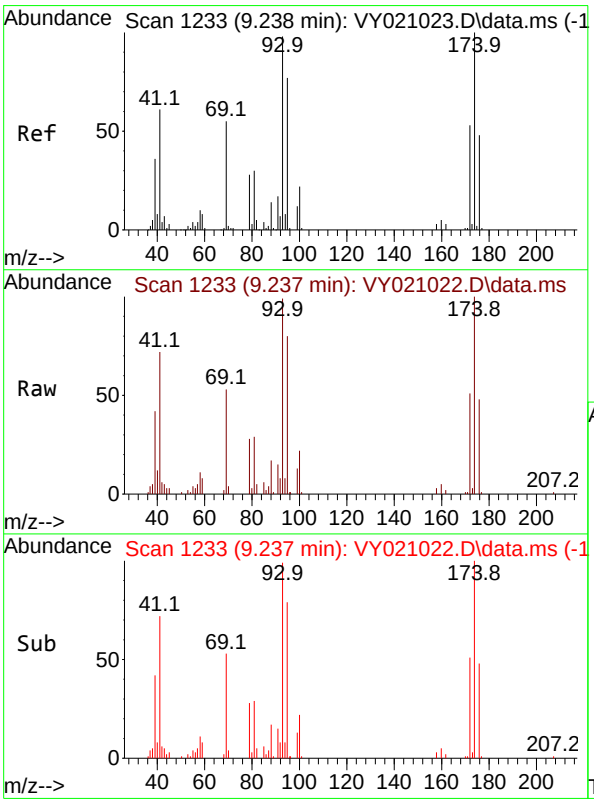
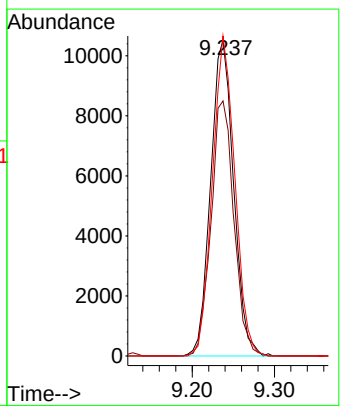
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

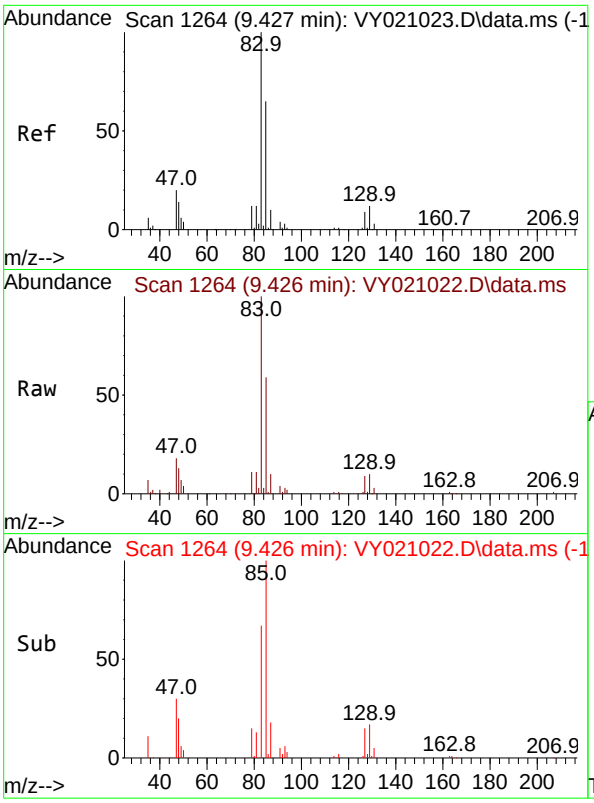



#46
Dibromomethane
Concen: 21.802 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 93 Resp: 20417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.6 | 65.8 | 98.8 |
| 174 | 98.9 | 88.1 | 132.1 |

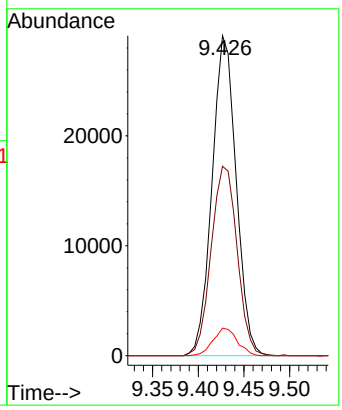





#47
Bromodichloromethane
Concen: 21.723 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 5342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 59.2 | 49.6 | 74.4 |
| 127 | 8.6 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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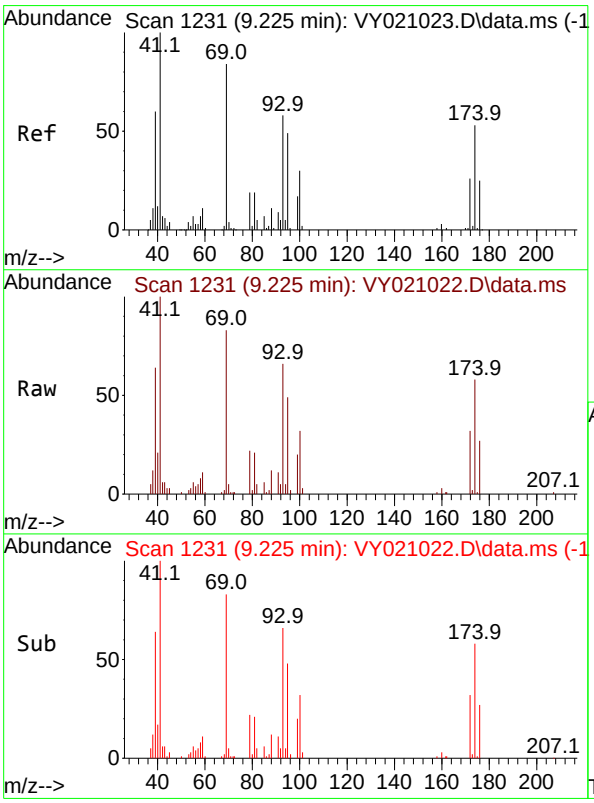
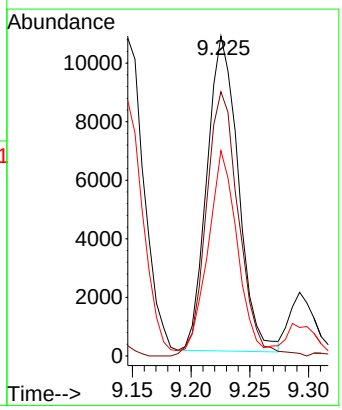
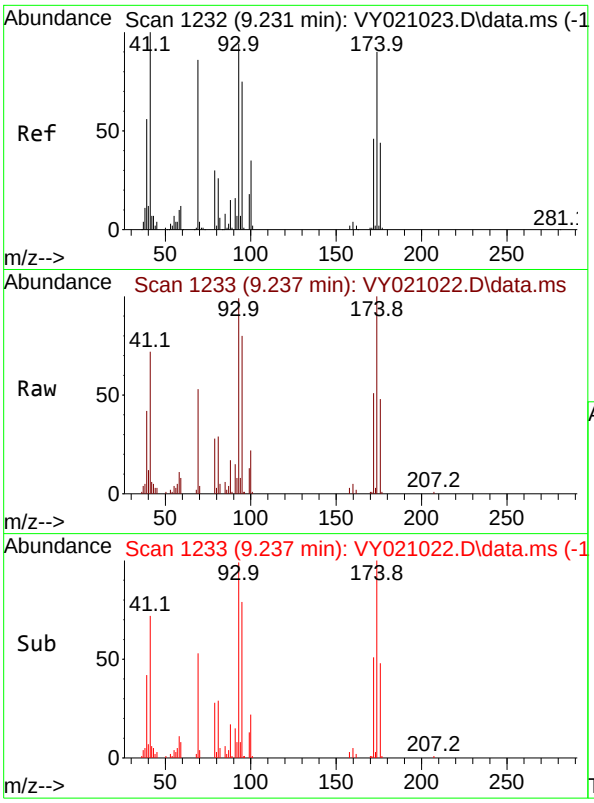



#48
Methyl methacrylate
Concen: 23.066 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 19957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.6 | 75.6 | 113.4 |
| 39 | 58.1 | 41.3 | 61.9 |

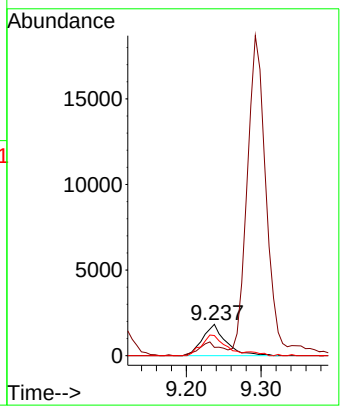





#49
1,4-Dioxane
Concen: 395.839 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 88 Resp: 393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.0 | 24.2 | 36.4 |
| 58 | 66.2 | 57.3 | 85.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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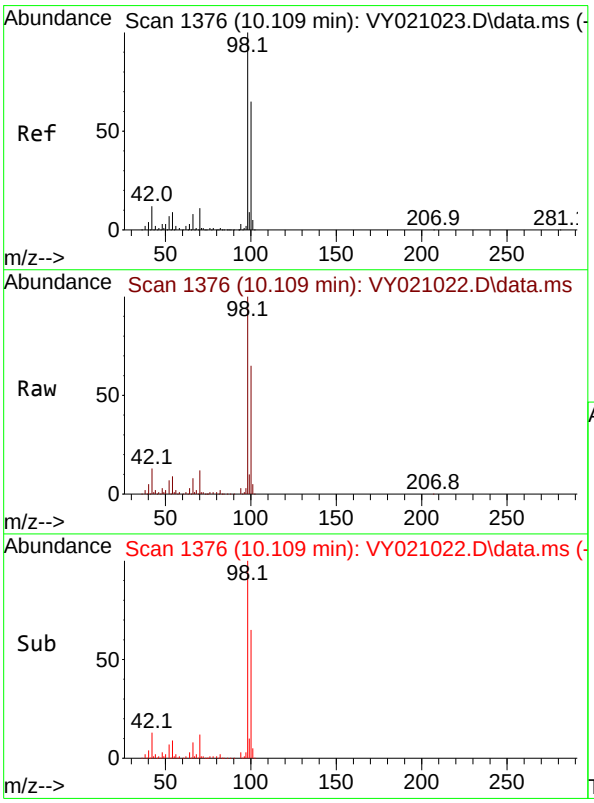
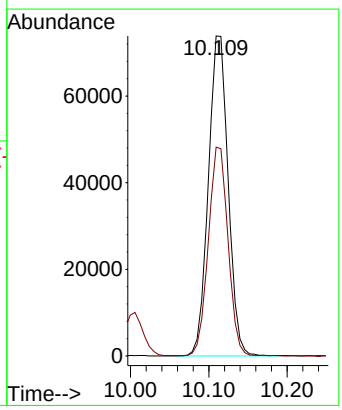
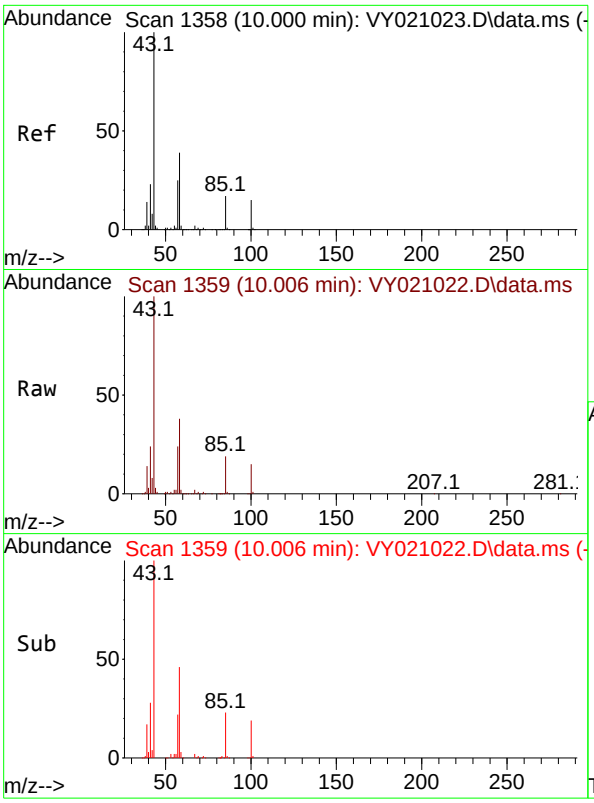



#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 98 Resp: 129662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 52.6 | 79.0 |

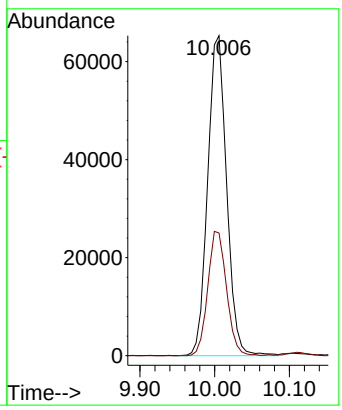





#51
4-Methyl-2-Pentanone
Concen: 122.983 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 11484

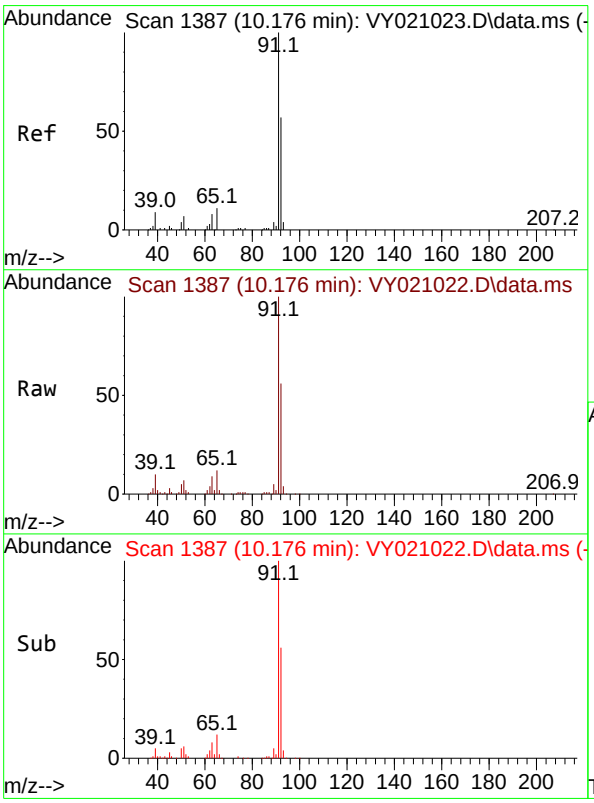
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.6 | 33.8 | 50.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

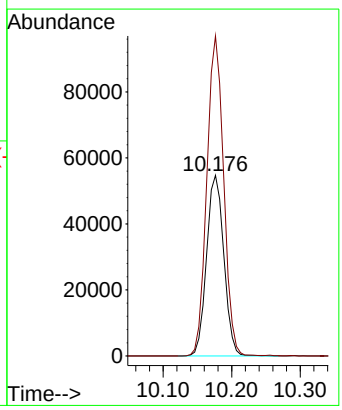
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

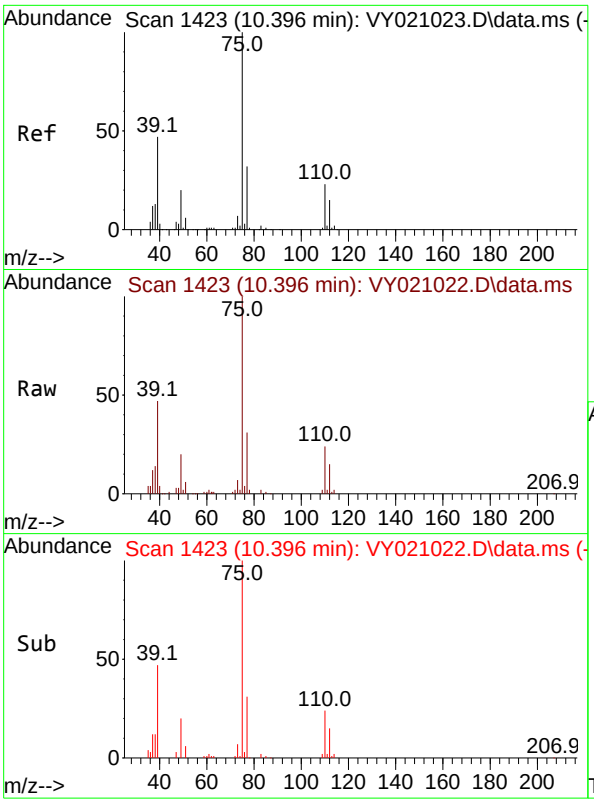



#52
Toluene
Concen: 20.517 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 92 Resp: 95614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.9 | 135.8 | 203.8 |

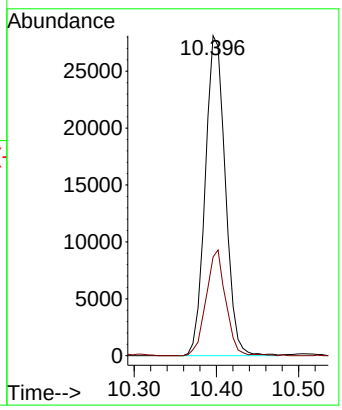





#53
t-1,3-Dichloropropene
Concen: 21.429 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 4769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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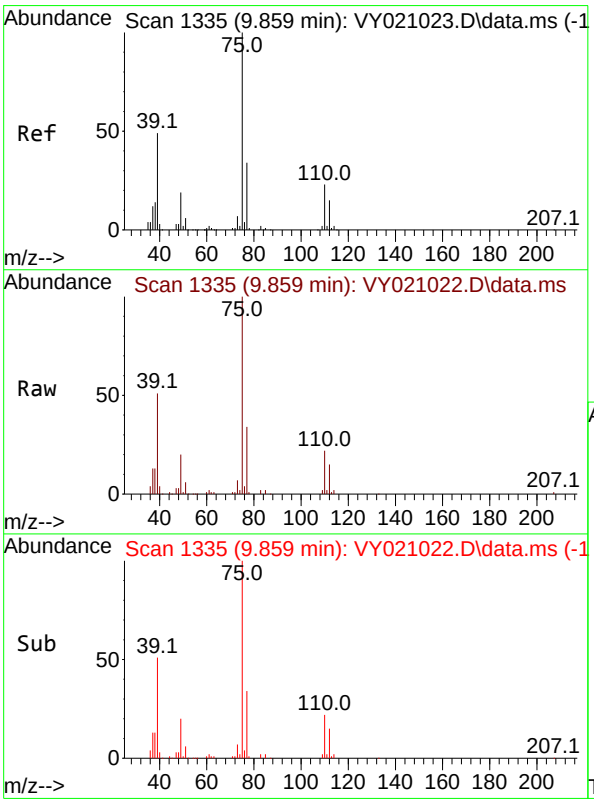
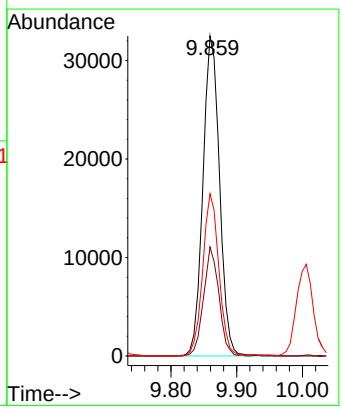
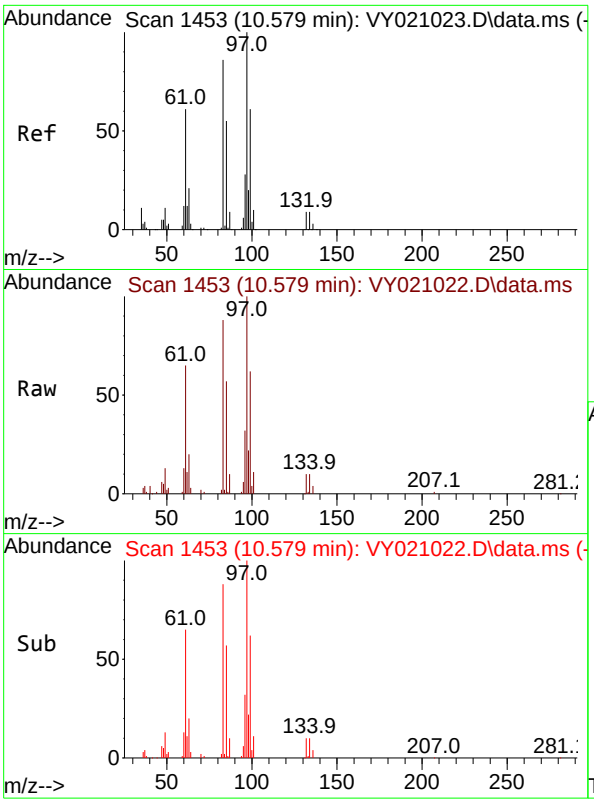



#54
cis-1,3-Dichloropropene
Concen: 21.469 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 57105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.1 | 25.4 | 38.0 |
| 39 | 50.6 | 32.2 | 48.2# |

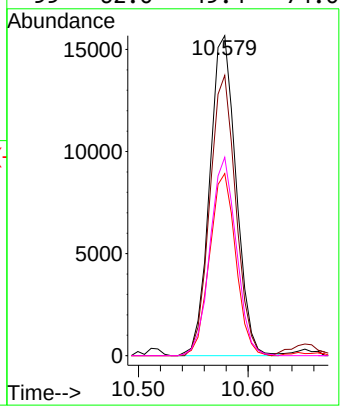





#55
1,1,2-Trichloroethane
Concen: 21.129 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 97 Resp: 2631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.6 | 67.7 | 101.5 |
| 85 | 56.9 | 43.4 | 65.2 |
| 99 | 62.0 | 49.4 | 74.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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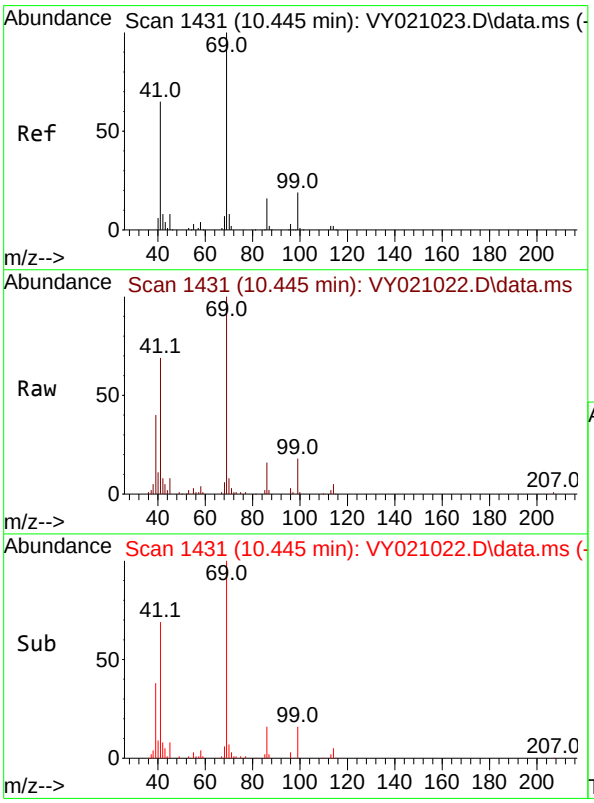
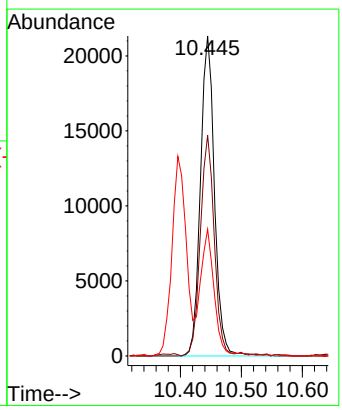
Supervised By :Semsettin Yesilyurt 02/04/2025

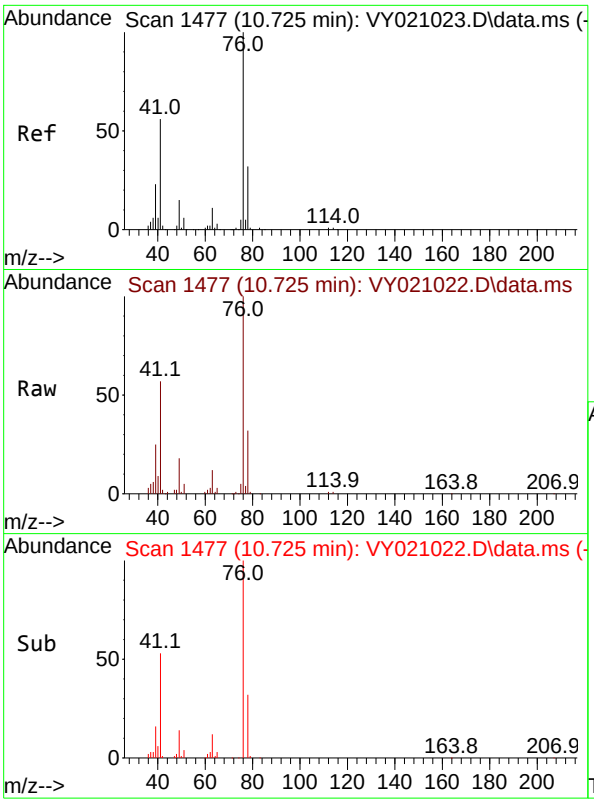



#56
Ethyl methacrylate
Concen: 20.963 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 69 Resp: 34126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.3 | 46.3 | 69.5 |
| 39 | 38.8 | 24.5 | 36.7# |

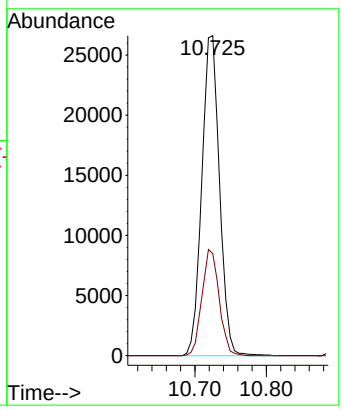





#57
1,3-Dichloropropane
Concen: 21.690 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 76 Resp: 4578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 25.8 | 38.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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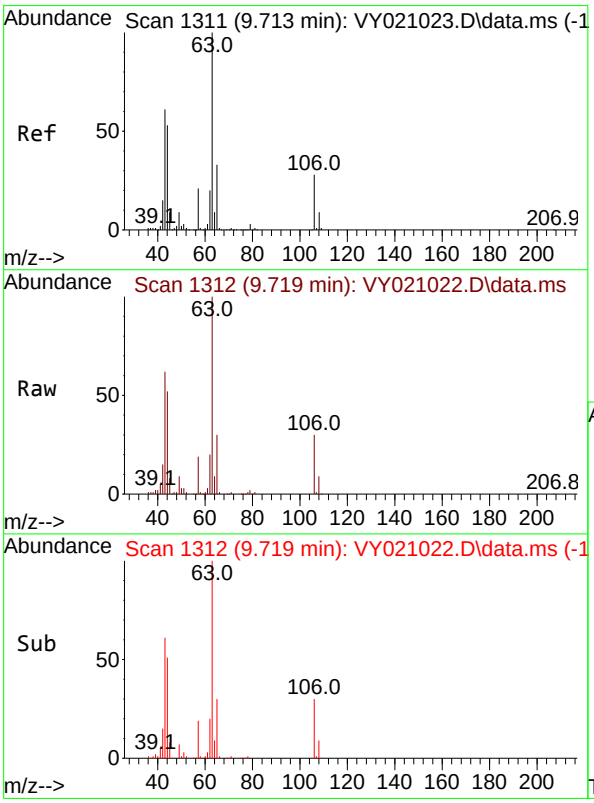
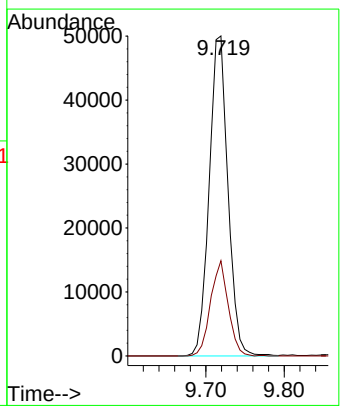
Supervised By :Semsettin Yesilyurt 02/04/2025

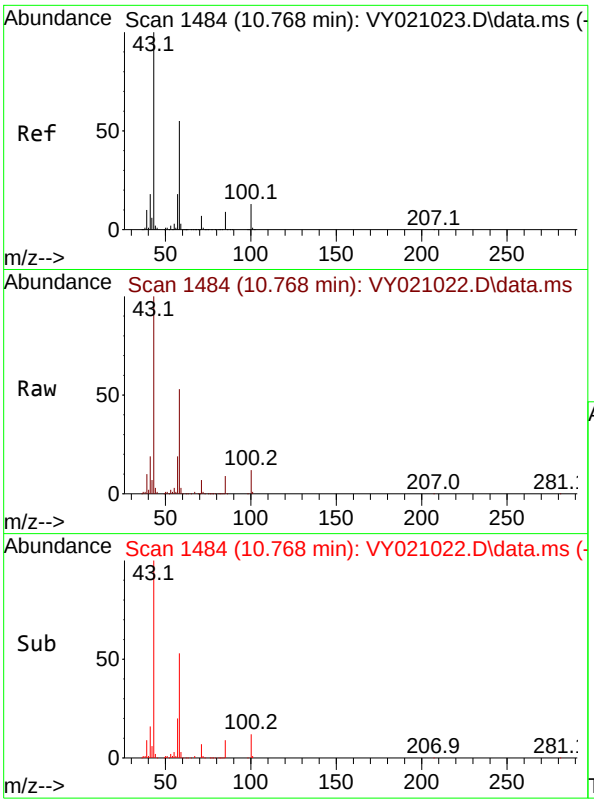



#58
2-Chloroethyl Vinyl ether
Concen: 120.208 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 83057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.1 | 24.7 | 37.1 |

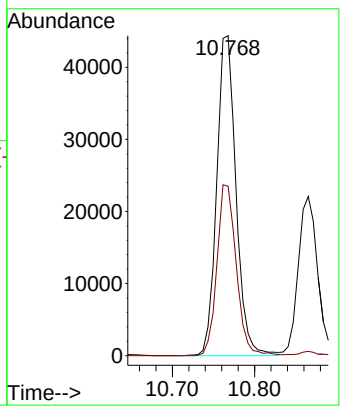





#59
2-Hexanone
Concen: 119.535 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 7255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.6 | 29.8 | 89.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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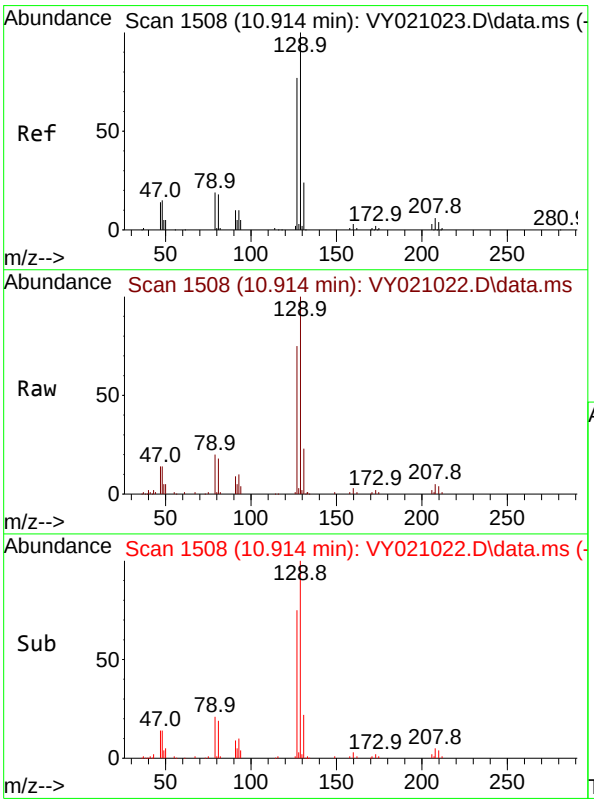
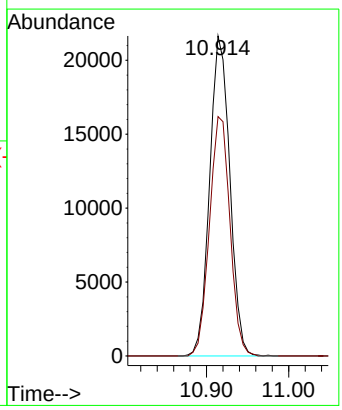
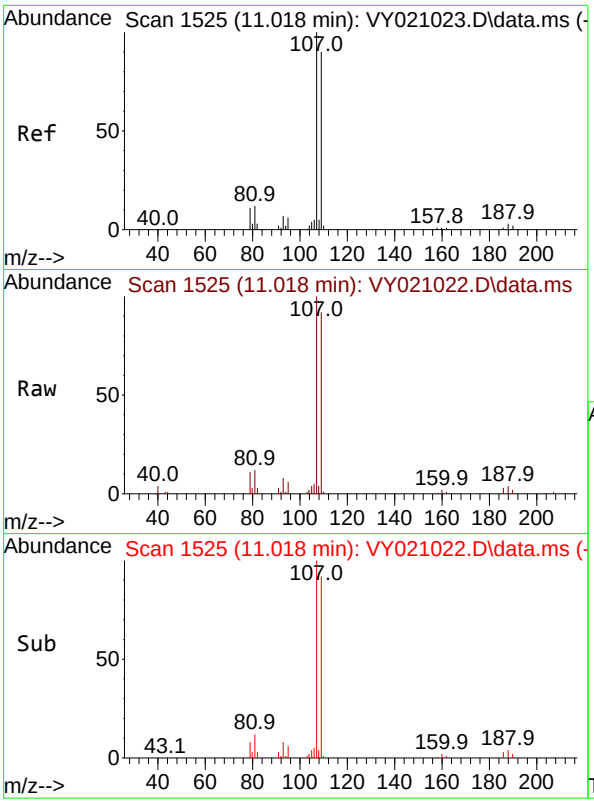



#60
Dibromochloromethane
Concen: 20.754 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:129 Resp: 36853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.0 | 38.5 | 115.3 |






#61
1,2-Dibromoethane
Concen: 20.600 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:107 Resp: 2450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.5 | 76.6 | 114.8 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

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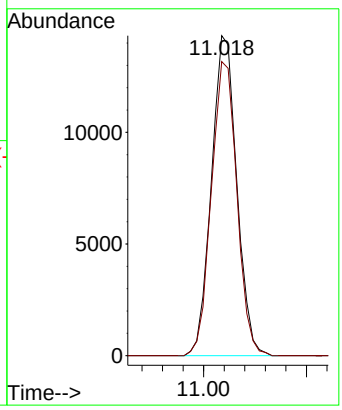
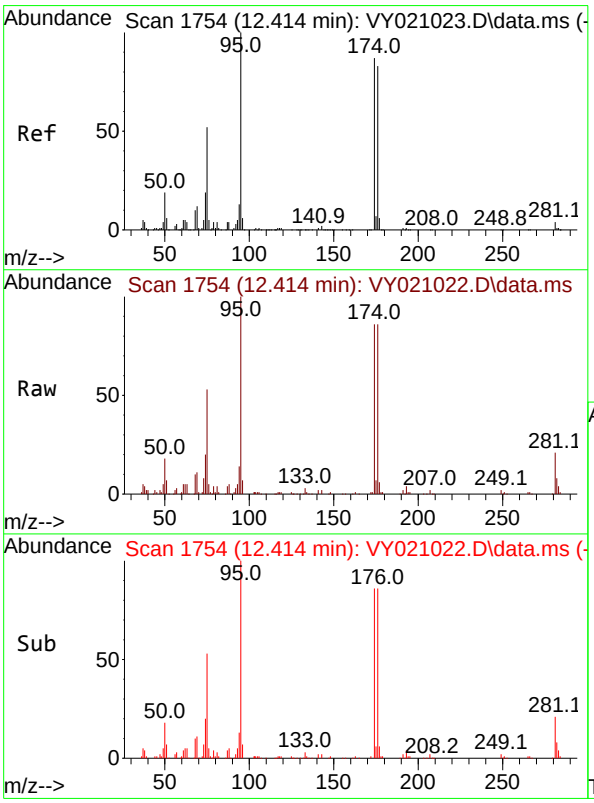
Supervised By :Semsettin Yesilyurt 02/04/2025

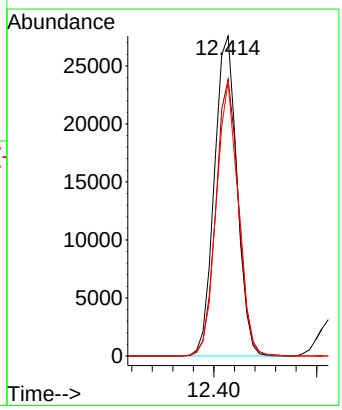


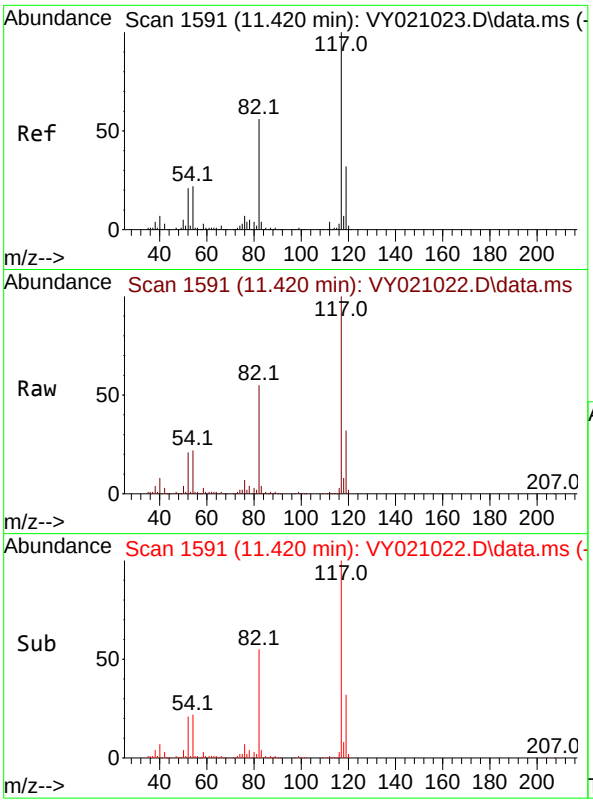




#62
4-Bromofluorobenzene
Concen: 18.831 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 95 Resp: 42182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.9 | 0.0 | 181.2 |
| 176 | 84.1 | 0.0 | 175.2 |

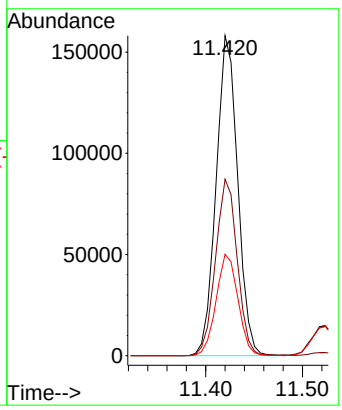





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 24459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 44.2 | 66.2 |
| 119 | 31.7 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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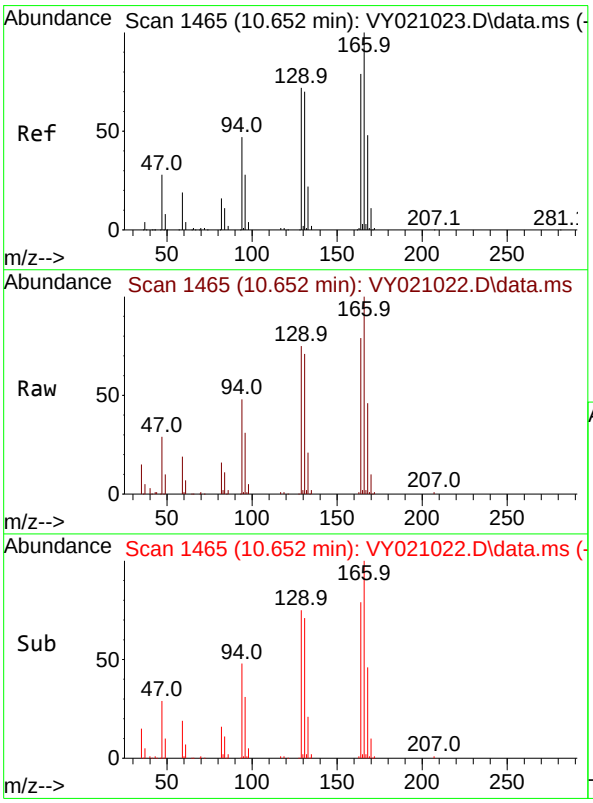
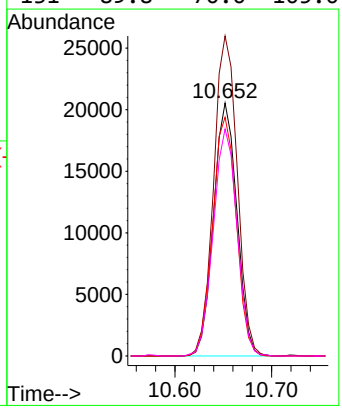
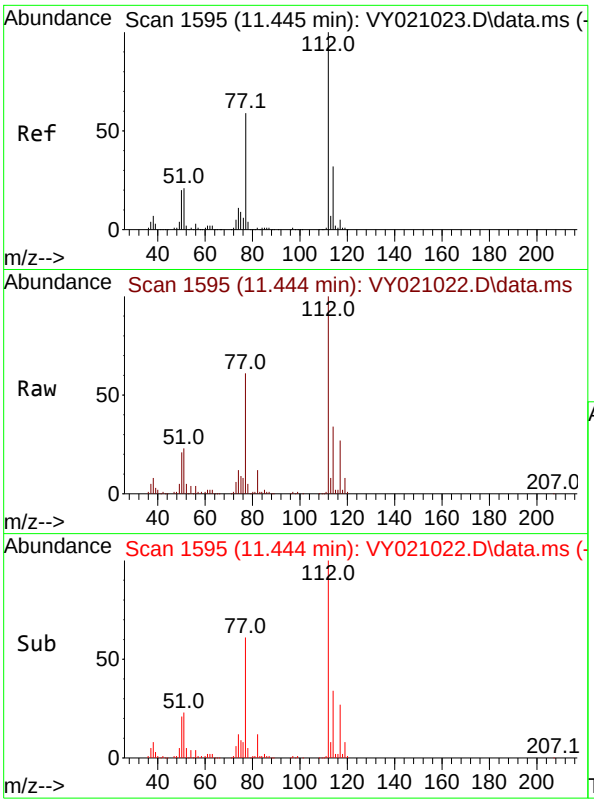



#64
Tetrachloroethene
Concen: 18.655 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:164 Resp: 34418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.5 | 100.4 | 150.6 |
| 129 | 94.4 | 70.8 | 106.2 |
| 131 | 89.8 | 70.0 | 105.0 |

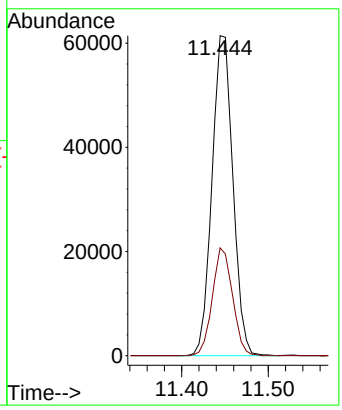





#65
Chlorobenzene
Concen: 20.015 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:112 Resp: 10314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.7 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

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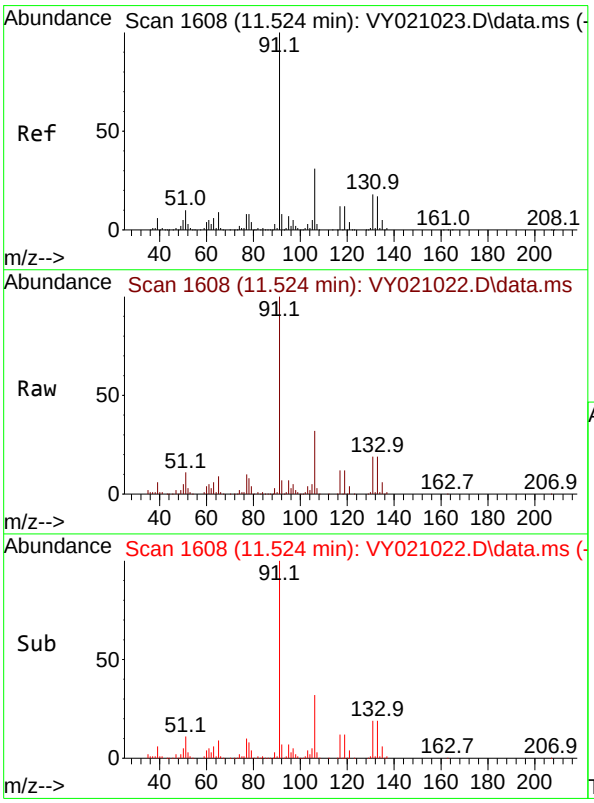
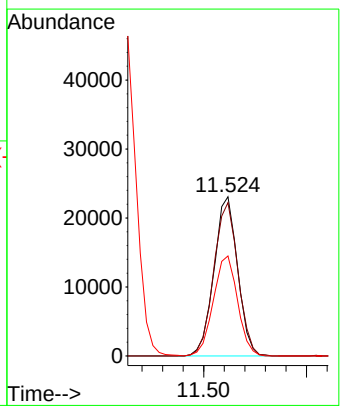
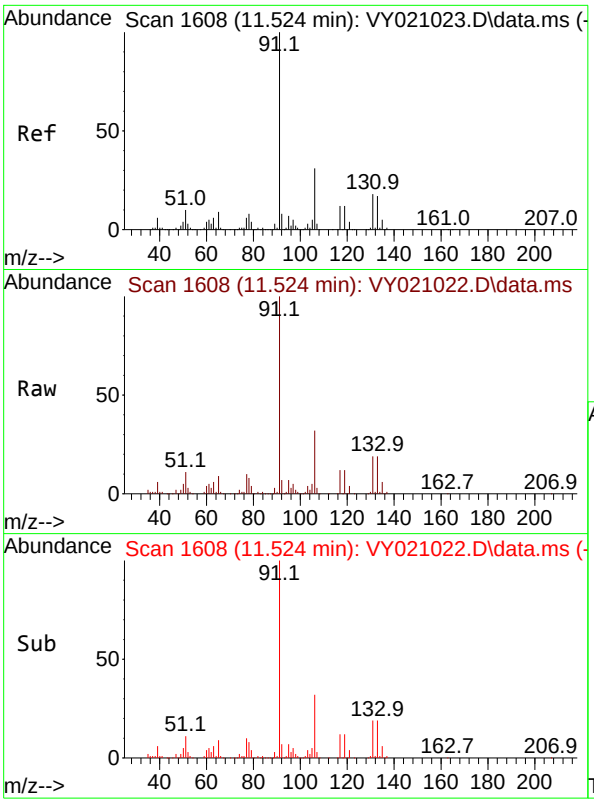



#66
1,1,1,2-Tetrachloroethane
Concen: 20.130 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:131 Resp: 36817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 98.5 | 48.7 | 146.1 |
| 119 | 64.4 | 31.4 | 94.3 |

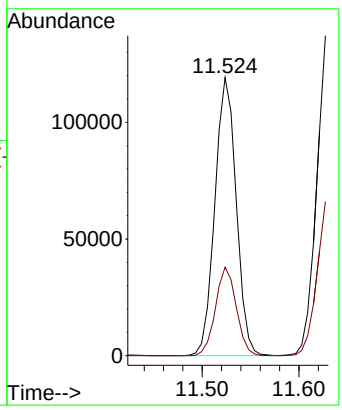





#67
Ethyl Benzene
Concen: 20.446 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 18243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.8 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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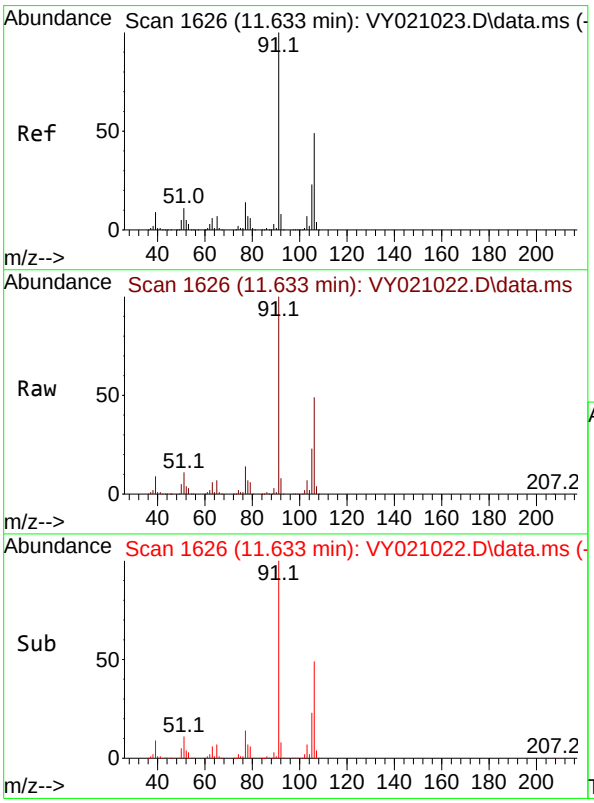
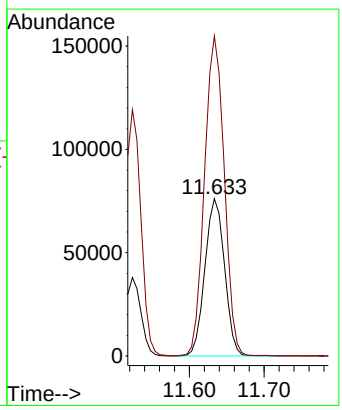
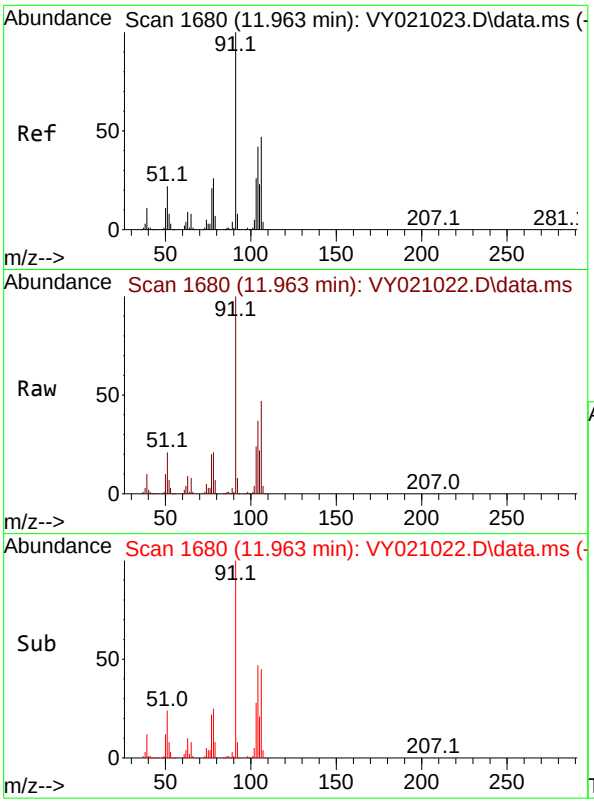



#68
m/p-Xylenes
Concen: 40.497 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:106 Resp: 138826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.4 | 160.0 | 240.0 |






#69
o-Xylene
Concen: 20.276 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

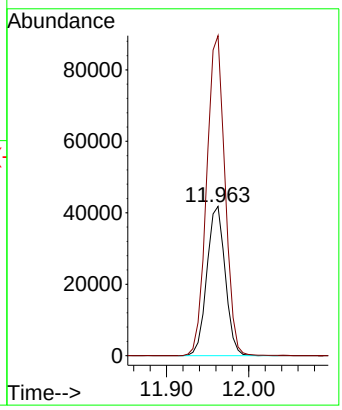
Tgt Ion:106 Resp: 6461

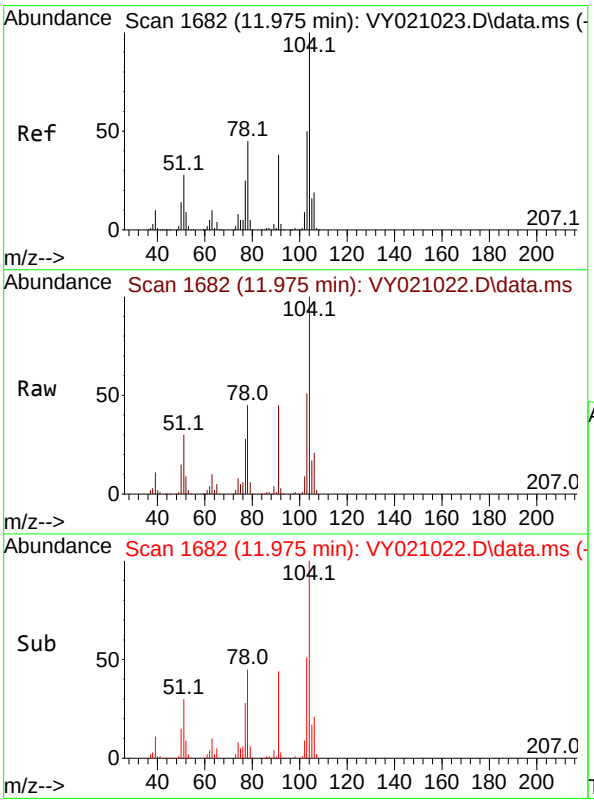
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.7 | 105.8 | 317.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

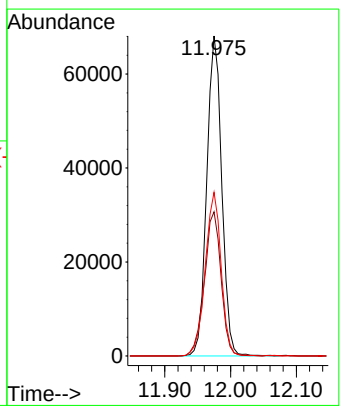


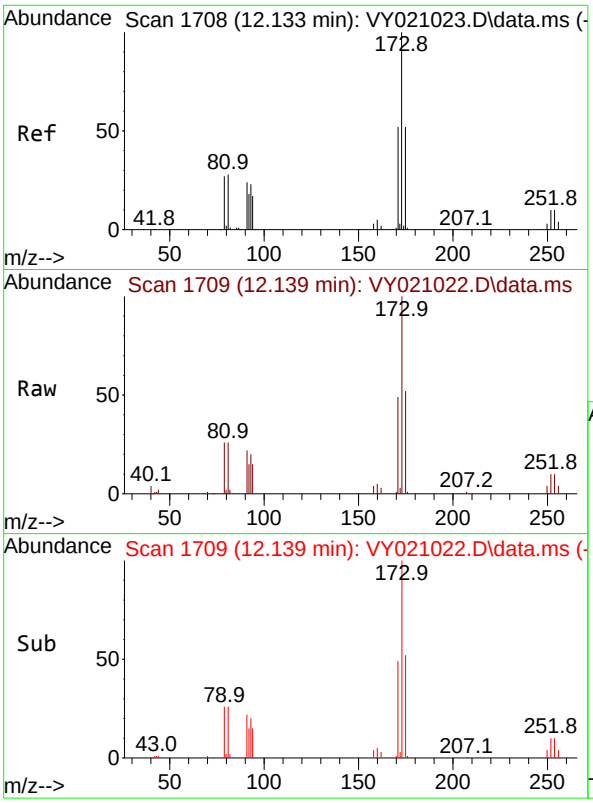




#70
Styrene
Concen: 20.439 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:104 Resp: 108143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.9 | 39.0 | 58.4 |
| 103 | 54.2 | 43.7 | 65.5 |

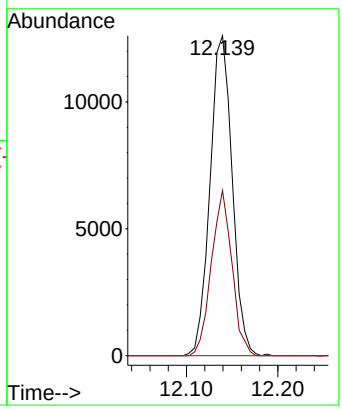





#71
Bromoform
Concen: 19.718 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:173 Resp: 2125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.8 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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Reviewed By :Mahesh Dadoda 02/04/2025
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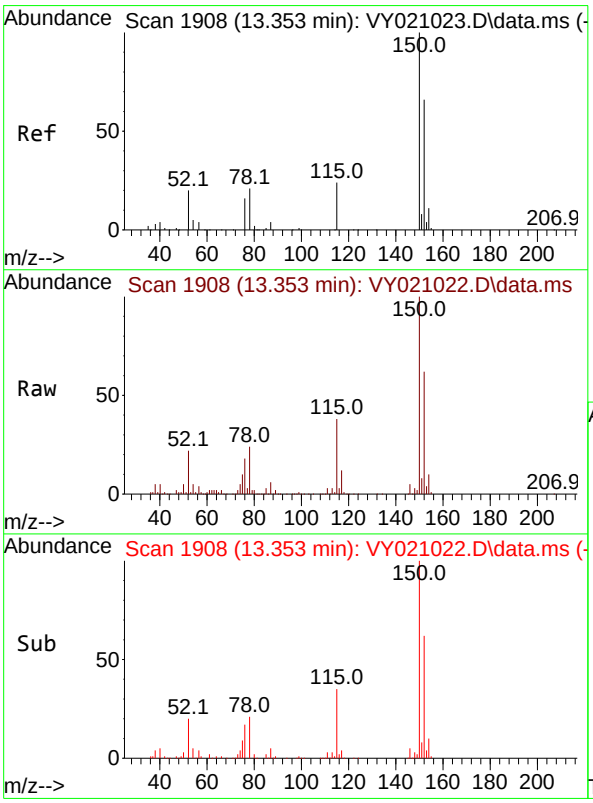
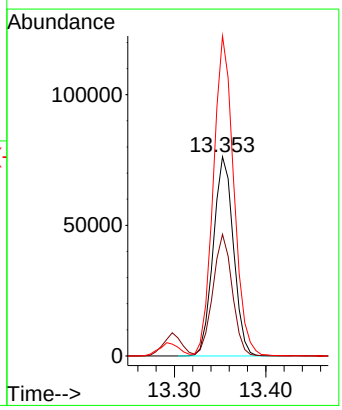
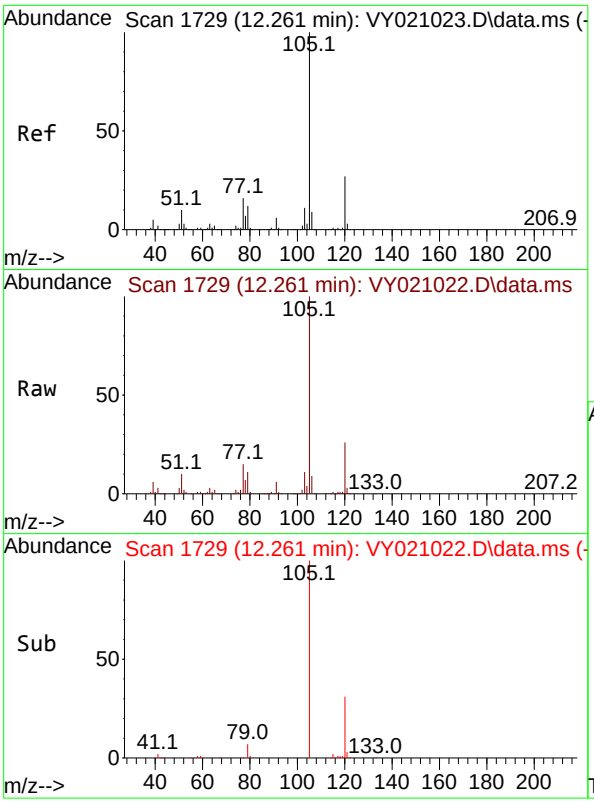



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:152 Resp: 116948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.7 | 28.4 | 85.2 |
| 150 | 162.9 | 0.0 | 342.8 |

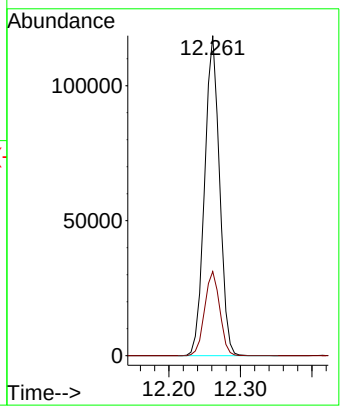





#73
Isopropylbenzene
Concen: 20.921 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 17183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 13.4 | 40.2 |




**Instrument :**
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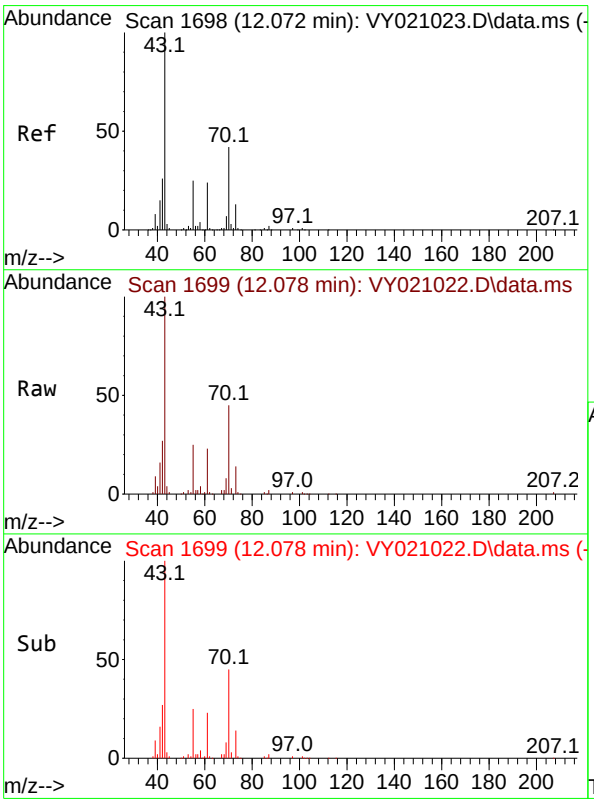
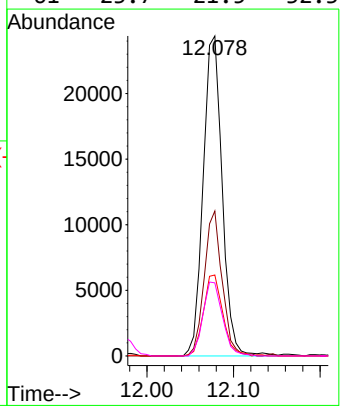
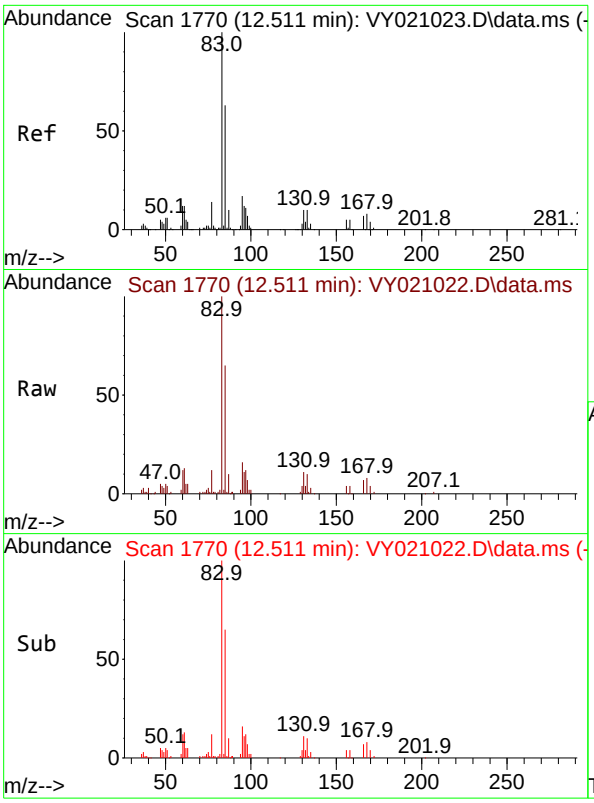



#74
N-amyl acetate
Concen: 24.896 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 37235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.5 | 39.3 | 58.9 |
| 55 | 26.1 | 22.3 | 33.5 |
| 61 | 23.7 | 21.5 | 32.3 |






#75
1,1,2,2-Tetrachloroethane
Concen: 22.410 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 2971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 5.7 | 17.1 |
| 85 | 63.4 | 31.9 | 95.9 |

**Instrument :**
MSVOA_Y
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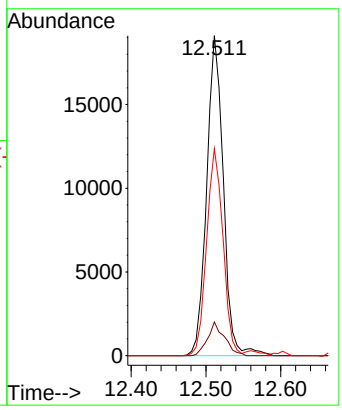
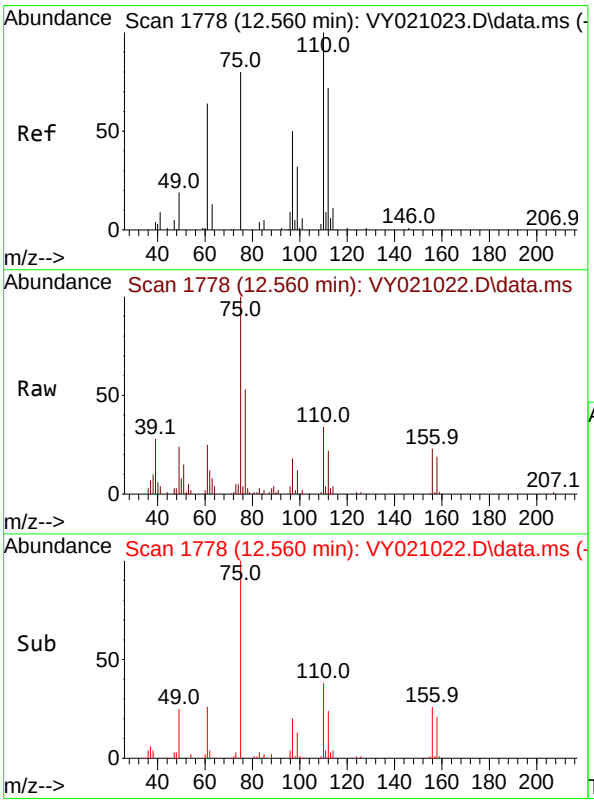
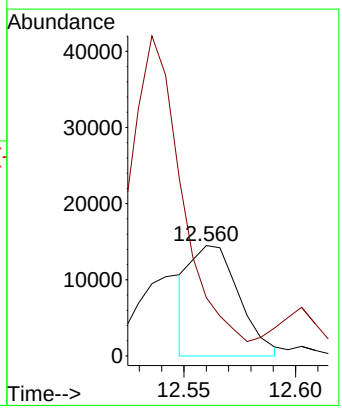


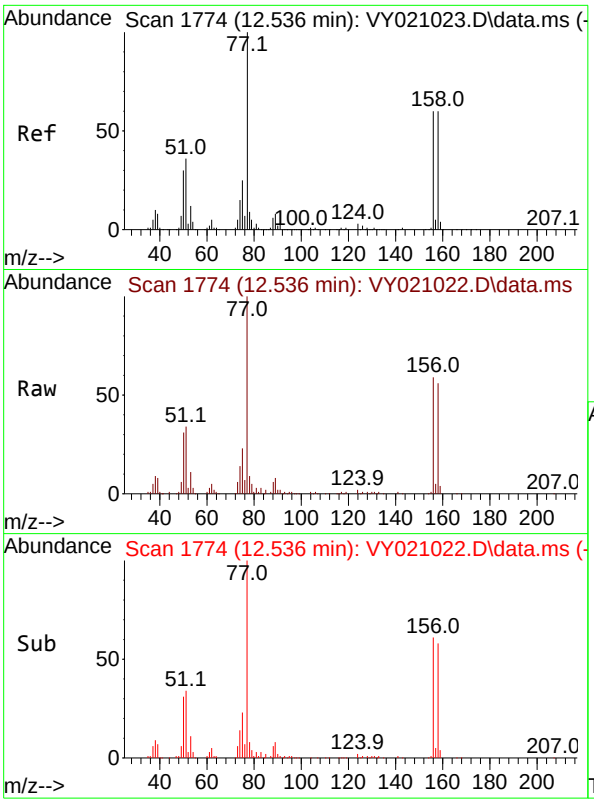




#76
1,2,3-Trichloropropane
Concen: 23.712 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 21952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

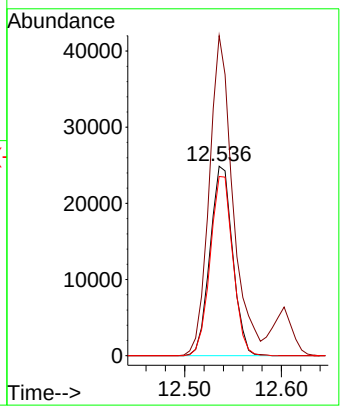





#77
Bromobenzene
Concen: 20.793 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:156 Resp: 4049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 176.3 | 83.3 | 249.9 |
| 158 | 94.6 | 48.3 | 144.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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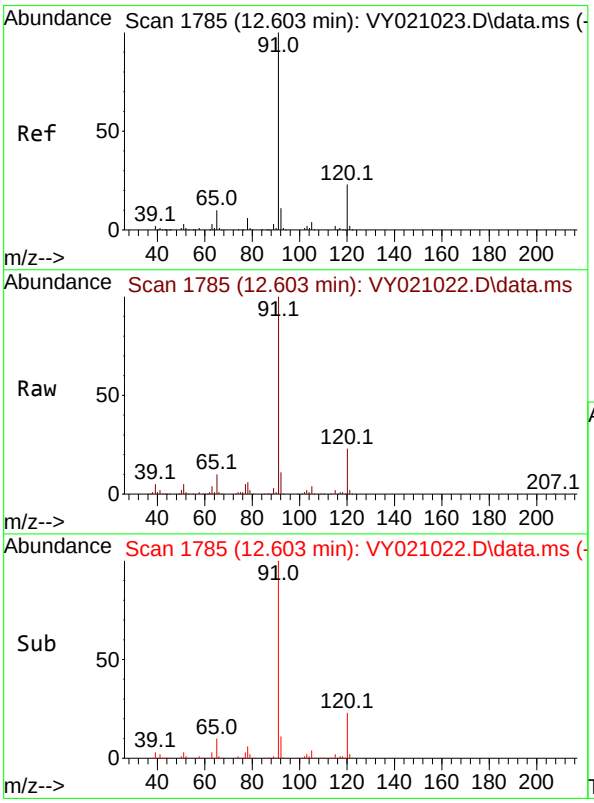
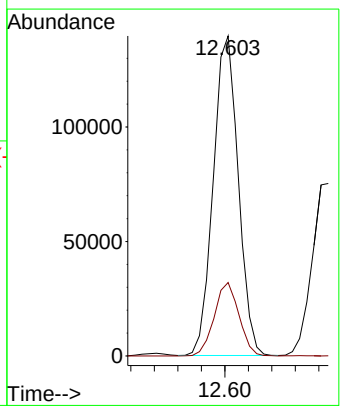
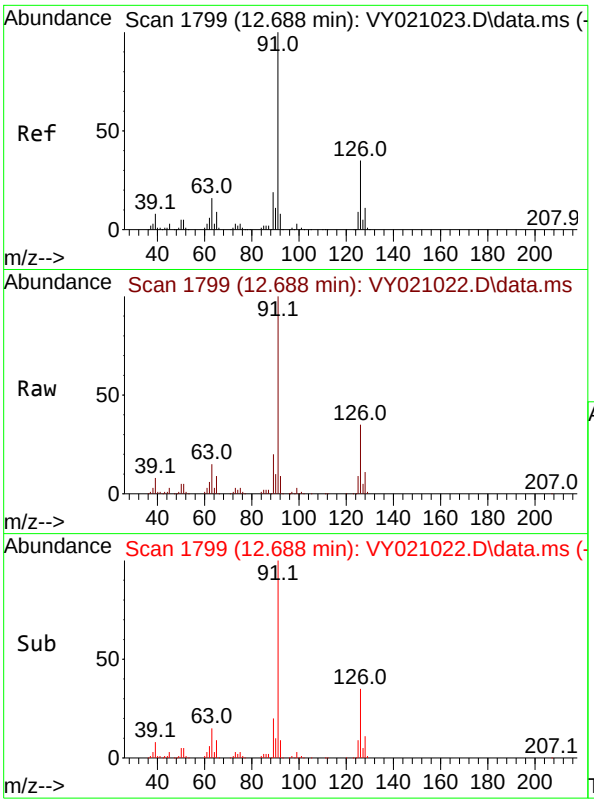



#78
n-propylbenzene
Concen: 21.429 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 206279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.8 | 35.4 |

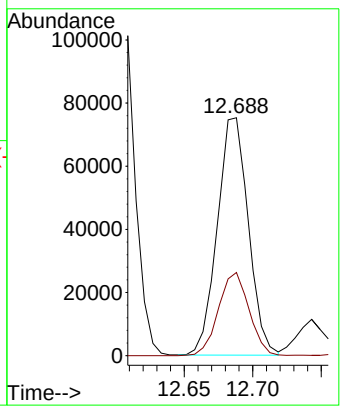





#79
2-Chlorotoluene
Concen: 21.638 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 11867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.6 | 17.3 | 51.9 |




**Instrument :**
MSVOA_Y
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VSTDICC020

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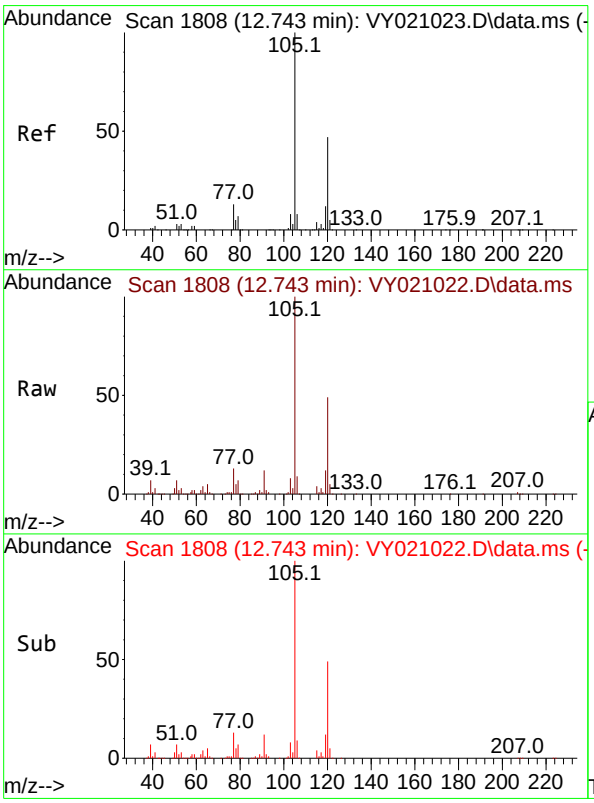
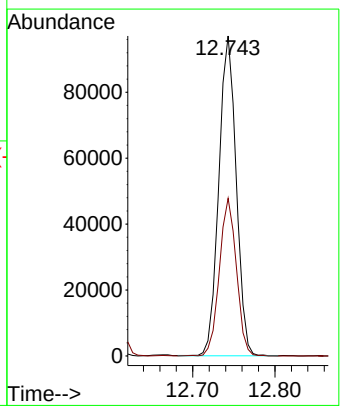
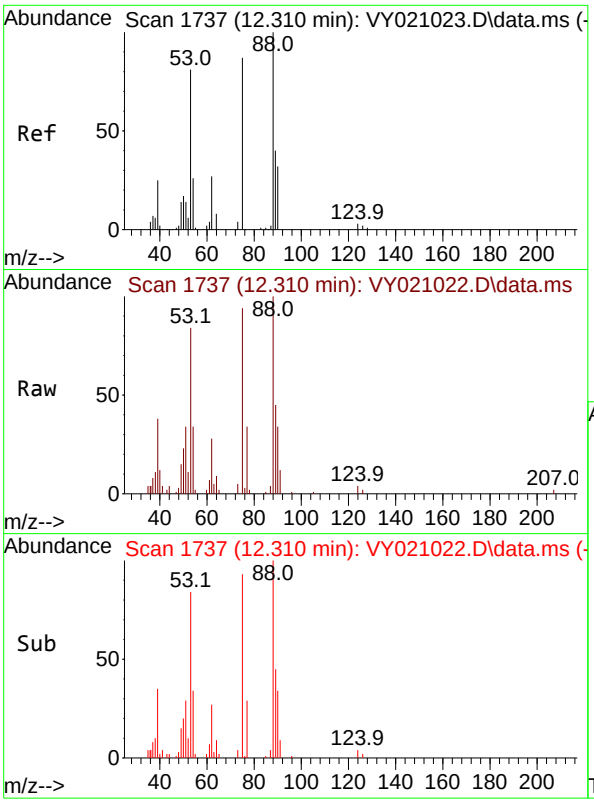



#80
1,3,5-Trimethylbenzene
Concen: 21.150 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 142319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.3 | 72.9 |

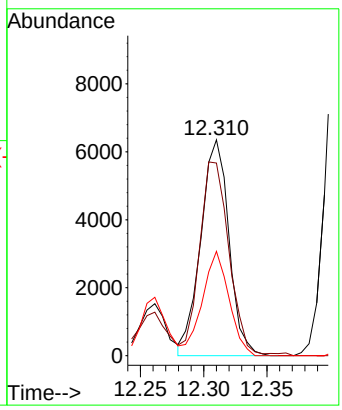





#81
trans-1,4-Dichloro-2-butene
Concen: 22.135 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 94.1 | 68.6 | 103.0 |
| 89 | 46.0 | 38.1 | 57.1 |

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MSVOA_Y
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VSTDICC020

**Manual Integrations**
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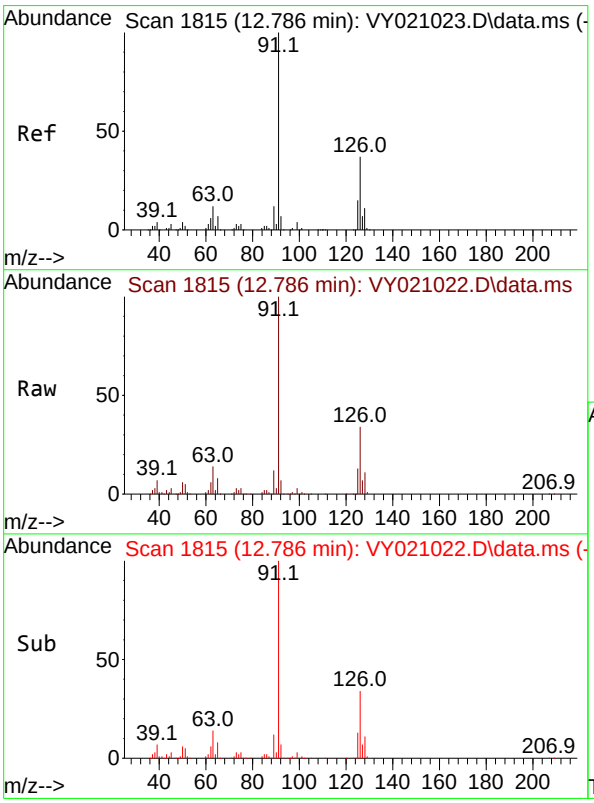
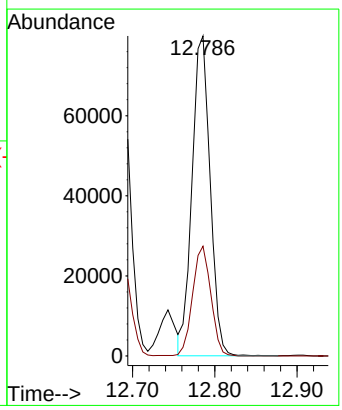
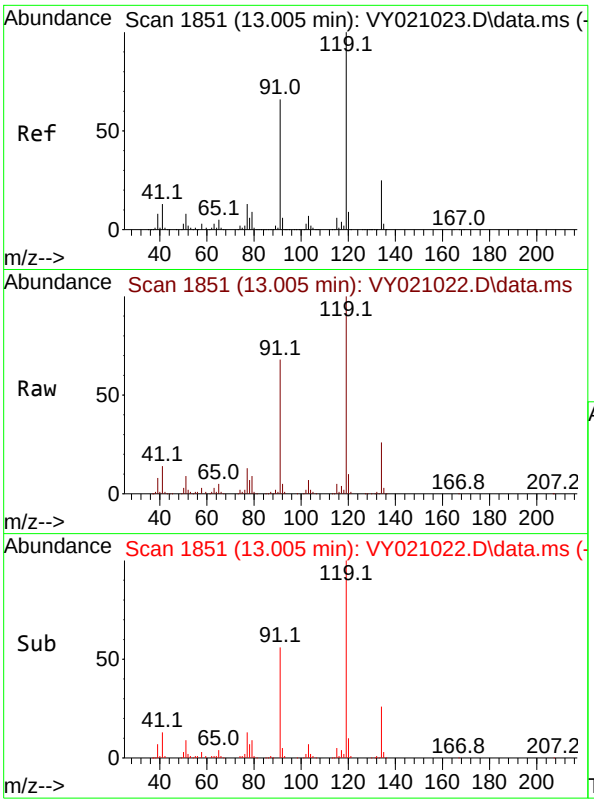



#82
4-Chlorotoluene
Concen: 21.712 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 121872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.7 | 17.3 | 52.0 |

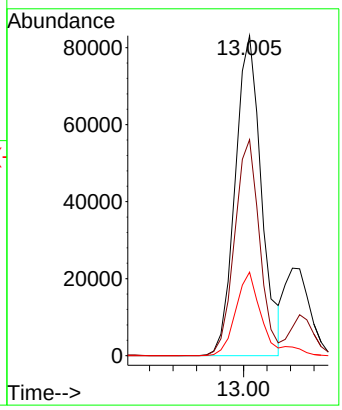





#83
tert-Butylbenzene
Concen: 20.651 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:119 Resp: 12888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.4 | 31.4 | 94.0 |
| 134 | 26.5 | 13.1 | 39.1 |

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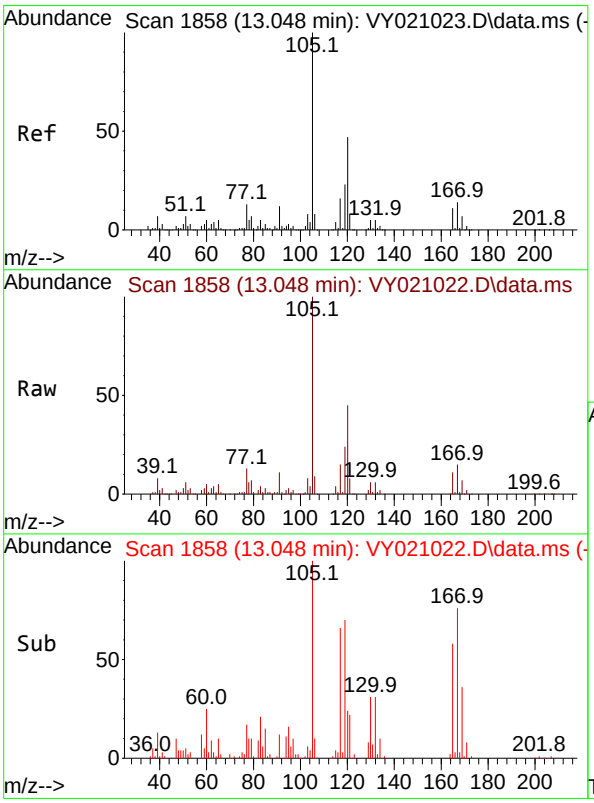
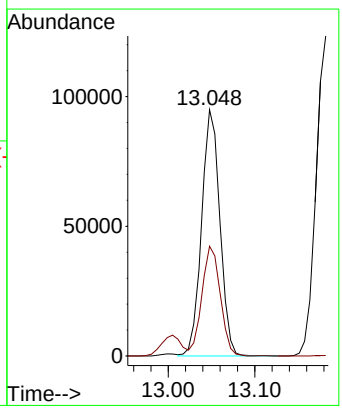
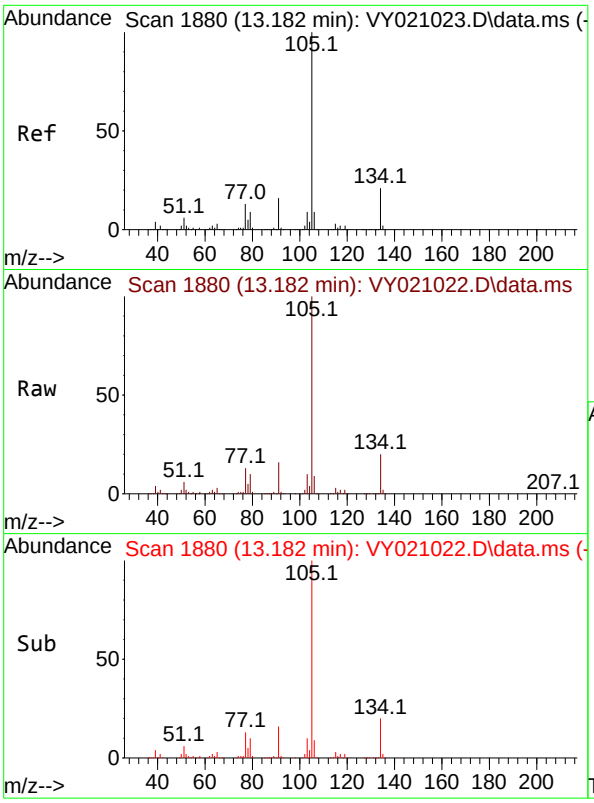



#84
1,2,4-Trimethylbenzene
Concen: 21.214 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 139446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 22.7 | 68.0 |

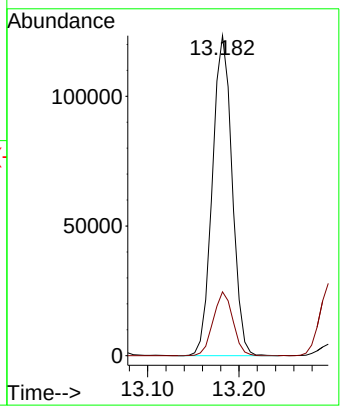





#85
sec-Butylbenzene
Concen: 20.943 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 18504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 10.3 | 30.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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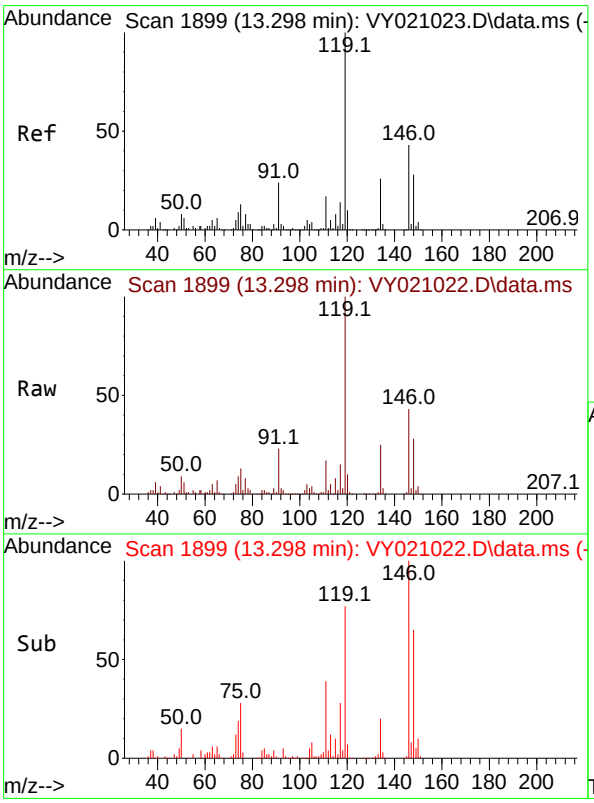
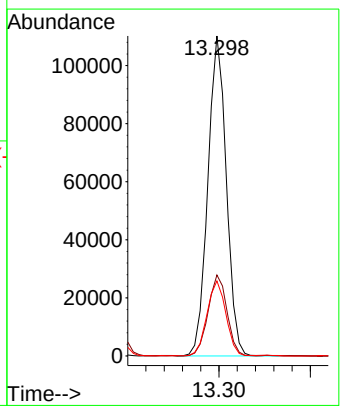
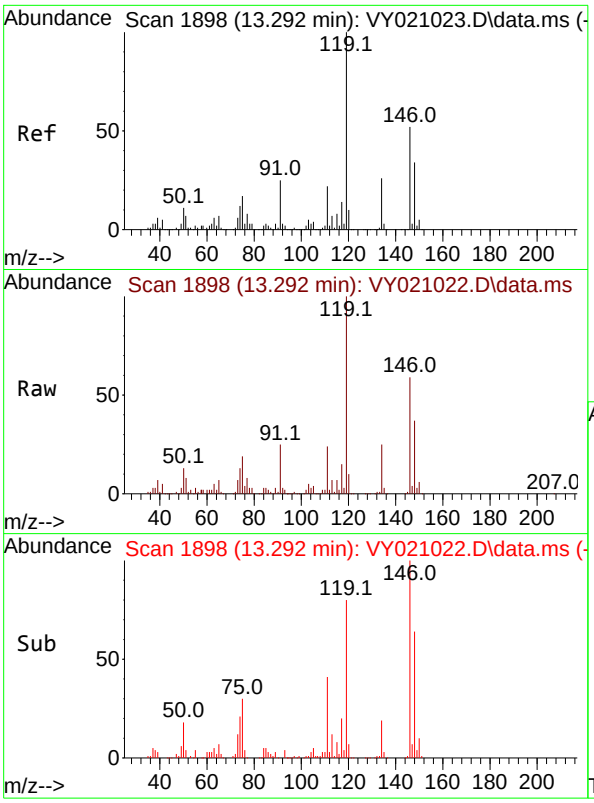



#86
p-Isopropyltoluene
Concen: 20.815 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:119 Resp: 154555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.1 | 39.3 |
| 91 | 23.8 | 11.5 | 34.5 |

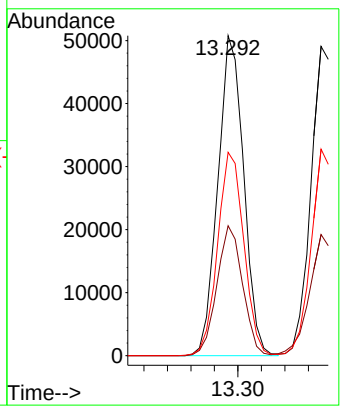





#87
1,3-Dichlorobenzene
Concen: 20.446 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 7763

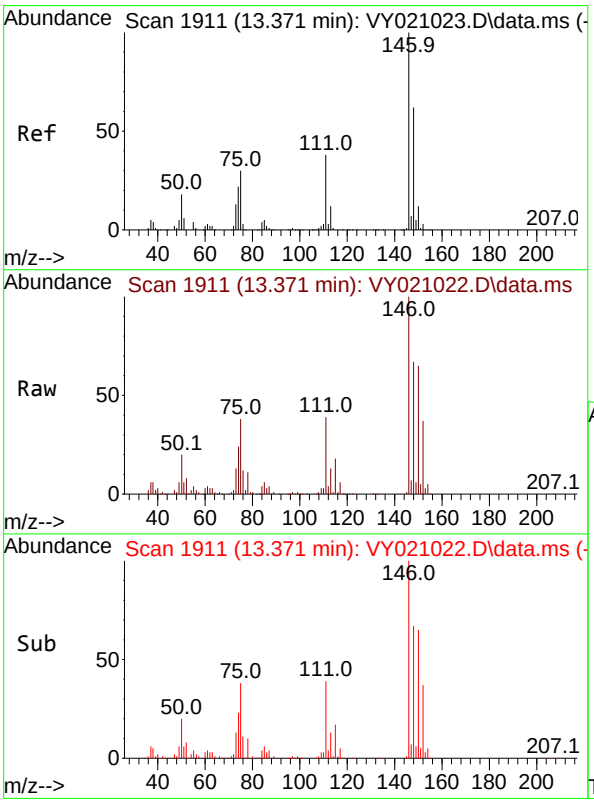
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 19.7 | 59.1 |
| 148 | 64.7 | 32.1 | 96.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

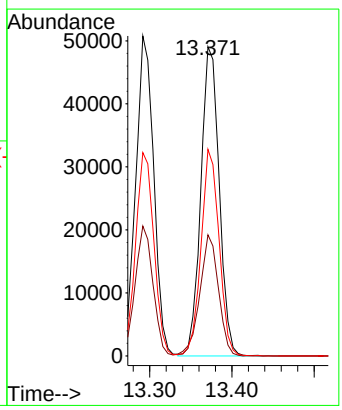
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

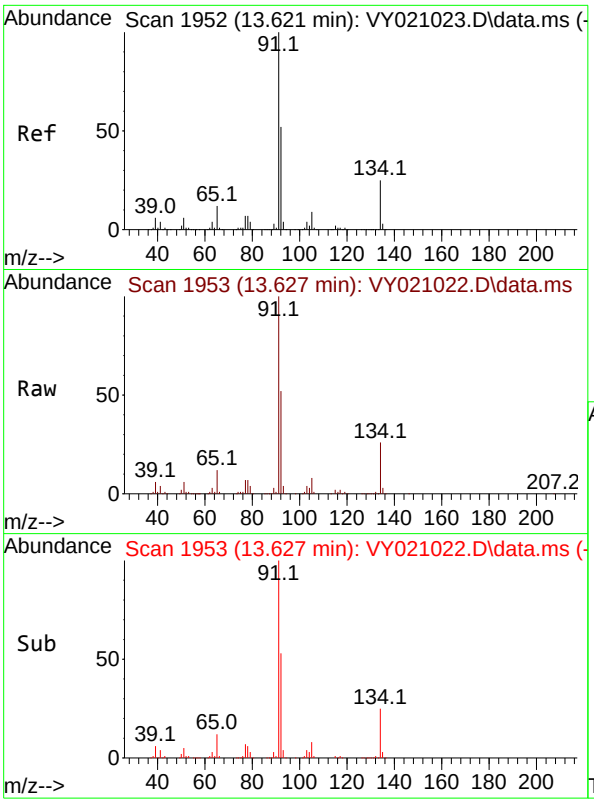



#88
1,4-Dichlorobenzene
Concen: 20.248 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 76342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 19.0 | 57.0 |
| 148 | 65.6 | 31.6 | 95.0 |

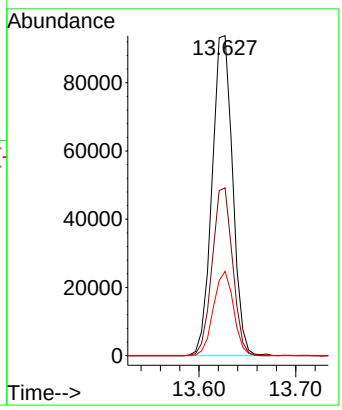





#89
n-Butylbenzene
Concen: 20.829 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 13853

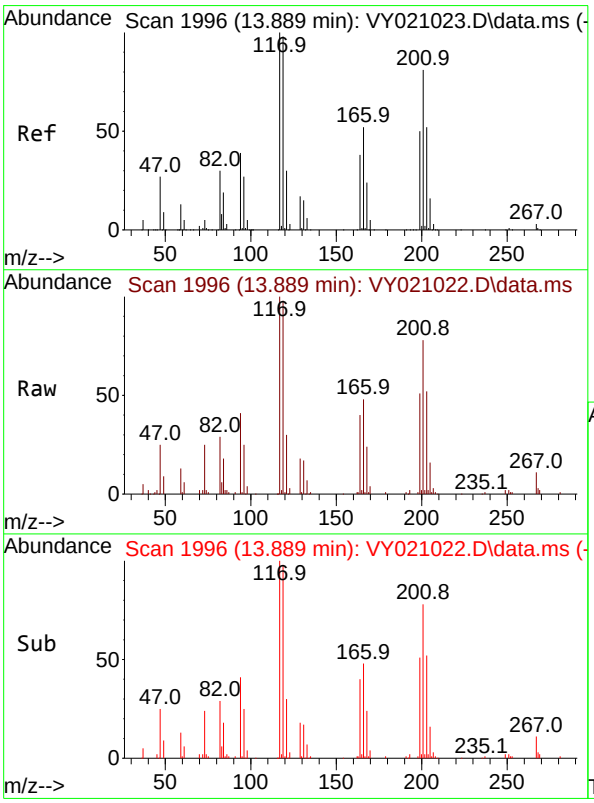
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.2 | 26.7 | 80.1 |
| 134 | 25.8 | 13.7 | 41.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

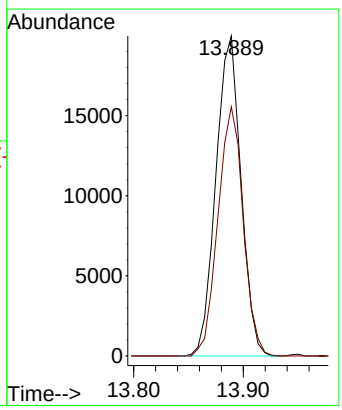
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

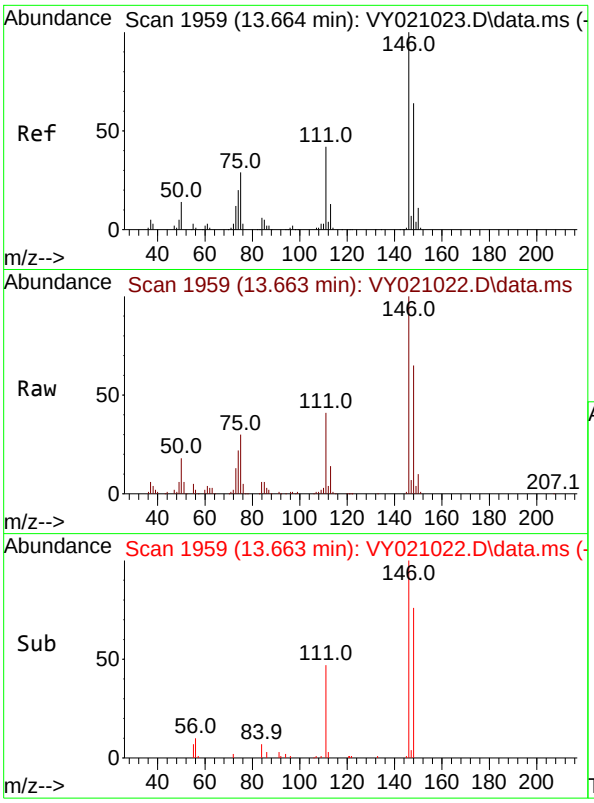



#90
Hexachloroethane
Concen: 21.166 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 31796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.2 | 42.5 | 127.5 |

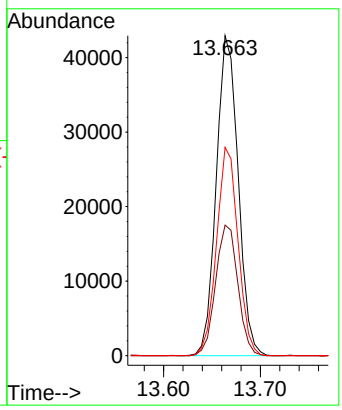





#91
1,2-Dichlorobenzene
Concen: 20.344 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 6736

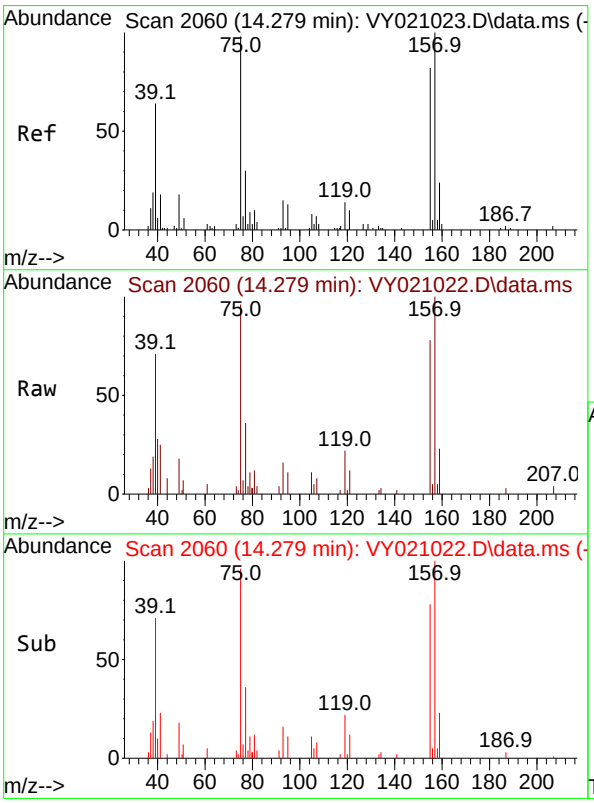
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 20.3 | 60.8 |
| 148 | 64.0 | 32.2 | 96.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

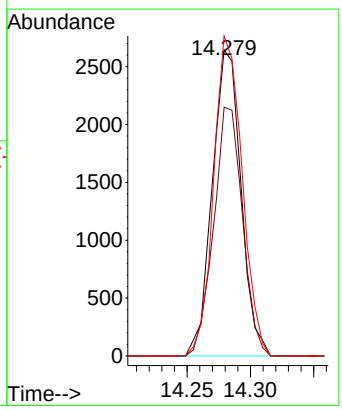
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

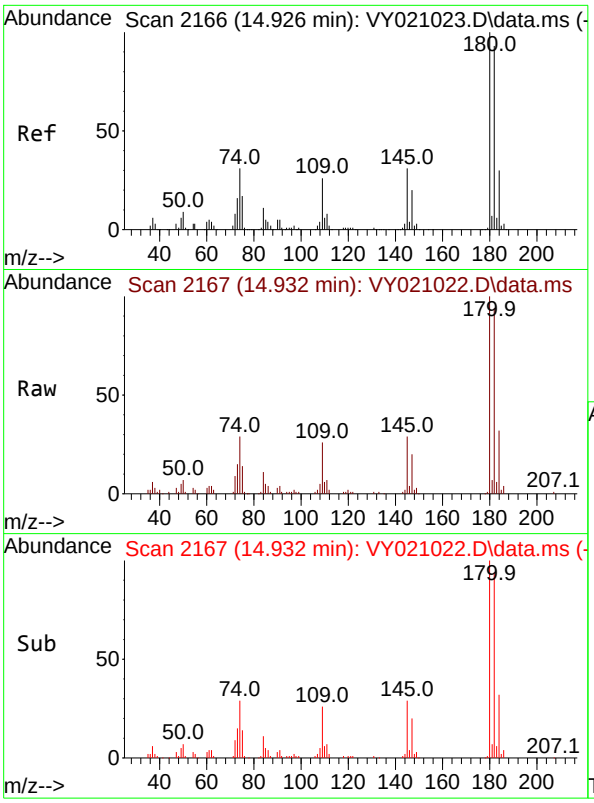



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.380 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 4160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.6 | 45.9 | 137.6 |
| 157 | 103.8 | 59.3 | 177.9 |

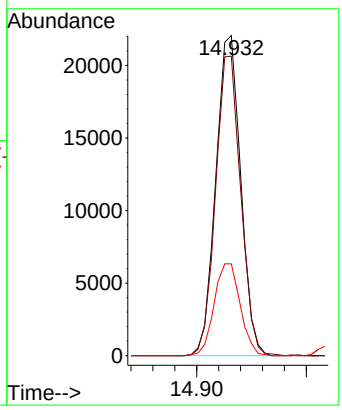





#93
1,2,4-Trichlorobenzene
Concen: 17.150 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:180 Resp: 3477

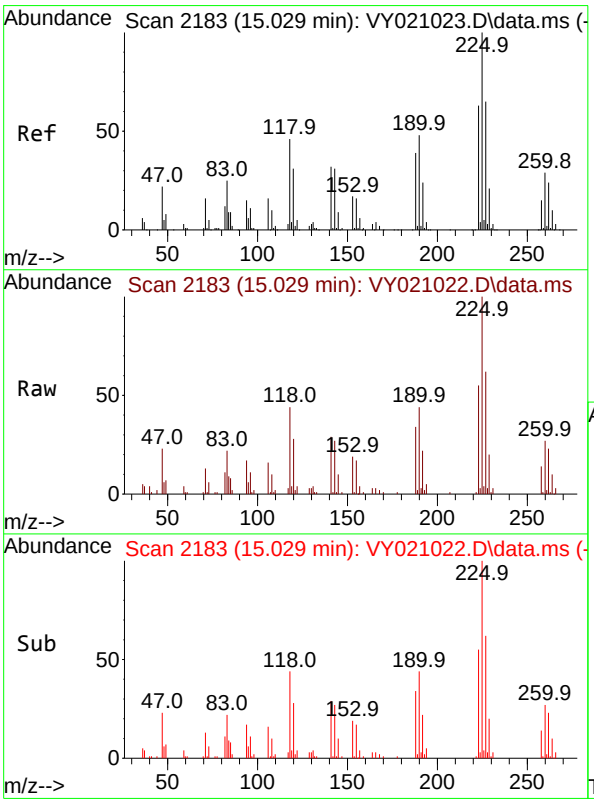
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 48.3 | 144.8 |
| 145 | 30.1 | 15.3 | 45.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

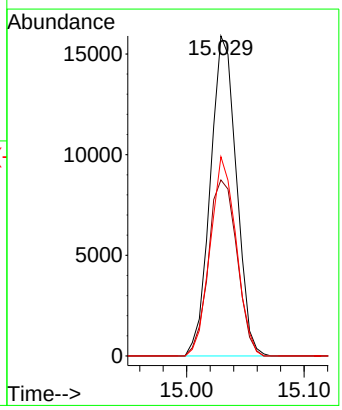
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

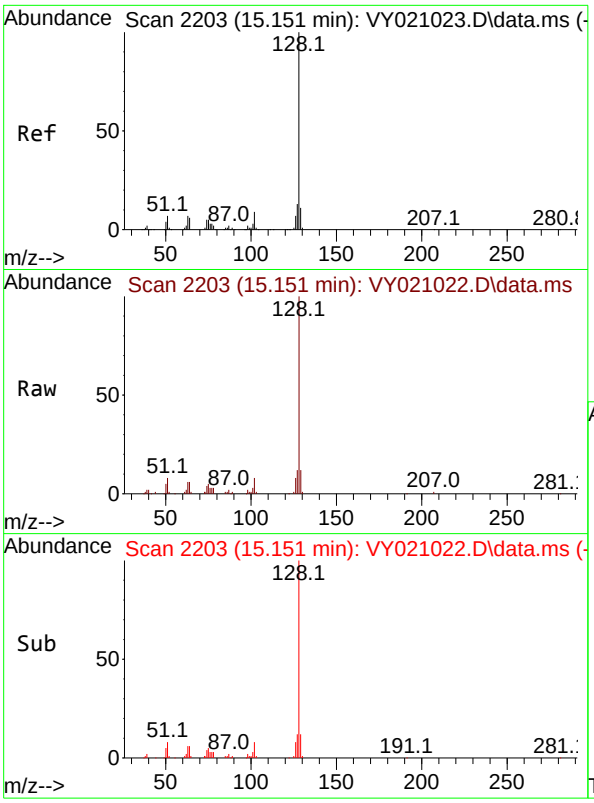



#94
Hexachlorobutadiene
Concen: 17.435 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:225 Resp: 24481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.2 | 31.4 | 94.2 |
| 227 | 62.1 | 31.8 | 95.3 |

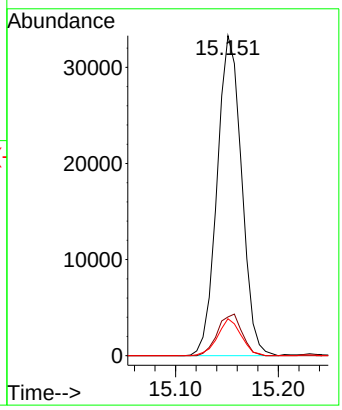





#95
Naphthalene
Concen: 16.886 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:128 Resp: 5502

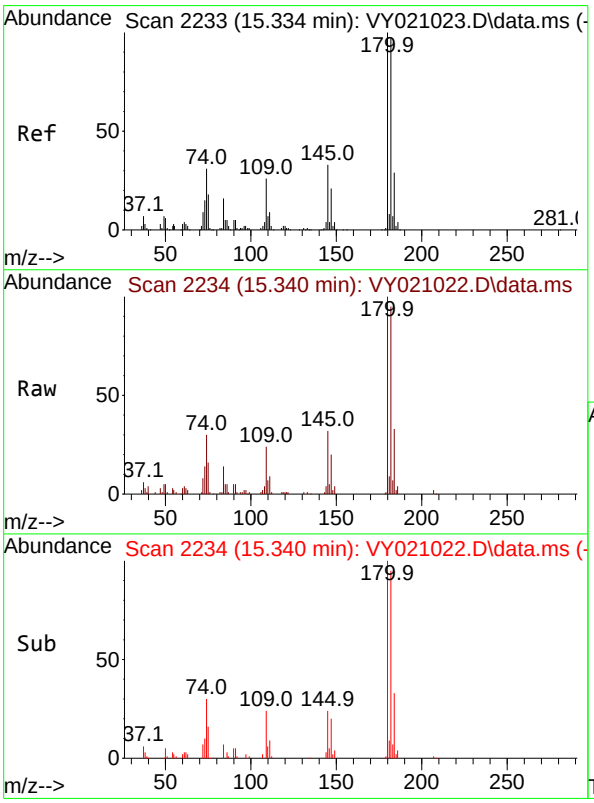
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.2 | 15.4 |
| 129 | 11.1 | 8.8 | 13.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

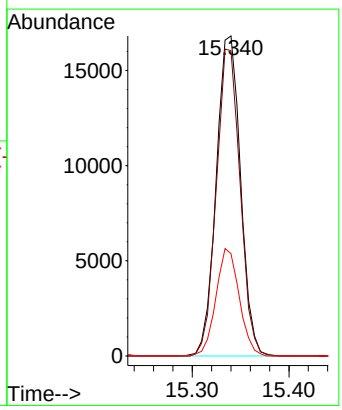
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025




#96
1,2,3-Trichlorobenzene
Concen: 17.090 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:180 Resp: 29301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 47.7 | 143.1 |
| 145 | 32.3 | 15.6 | 46.7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 185055 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 285755 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 250150 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 121069 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 93084 | 59.079 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 118.160% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 89515 | 52.107 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 104.220% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 343592 | 51.243 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 102.480% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 115197 | 51.200 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = 102.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 82341 | 52.329 | ug/l | 100 |
| 3) Chloromethane | 2.074 | 50 | 77828 | 77.798 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 78456 | 76.063 | ug/l | 100 |
| 5) Bromomethane | 2.605 | 94 | 47661 | 68.257 | ug/l | 99 |
| 6) Chloroethane | 2.739 | 64 | 47159 | 78.268 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 146090 | 58.690 | ug/l | 98 |
| 8) Diethyl Ether | 3.464 | 74 | 44796 | 60.281 | ug/l | 86 |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 91456 | 54.564 | ug/l | 95 |
| 10) Methyl Iodide | 4.013 | 142 | 108576 | 56.607 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.872 | 59 | 29518 | 256.470 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 3.800 | 96 | 86860 | 55.452 | ug/l | 92 |
| 13) Acrolein | 3.659 | 56 | 48444 | 365.513 | ug/l | 98 |
| 14) Allyl chloride | 4.391 | 41 | 148096 | 68.676 | ug/l | 93 |
| 15) Acrylonitrile | 5.061 | 53 | 98437 | 322.040 | ug/l | 99 |
| 16) Acetone | 3.879 | 43 | 71701 | 333.889 | ug/l | 93 |
| 17) Carbon Disulfide | 4.117 | 76 | 272934 | 56.574 | ug/l | 99 |
| 18) Methyl Acetate | 4.397 | 43 | 53193 | 70.789 | ug/l | 92 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 225045 | 61.726 | ug/l | 99 |
| 20) Methylene Chloride | 4.623 | 84 | 89716 | 56.645 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 96653 | 57.552 | ug/l | 92 |
| 22) Diisopropyl ether | 6.025 | 45 | 308181 | 70.111 | ug/l | 96 |
| 23) Vinyl Acetate | 5.970 | 43 | 876749 | 360.173 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 5.921 | 63 | 175291 | 61.815 | ug/l | 100 |
| 25) 2-Butanone | 6.903 | 43 | 124949 | 342.981 | ug/l | 94 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 160962 | 57.651 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.897 | 96 | 110873 | 57.437 | ug/l | 94 |
| 28) Bromochloromethane | 7.250 | 49 | 76460 | 72.370 | ug/l | 84 |
| 29) Tetrahydrofuran | 7.262 | 42 | 84863 | 346.176 | ug/l | 91 |
| 30) Chloroform | 7.427 | 83 | 181725 | 59.167 | ug/l | 96 |
| 31) Cyclohexane | 7.707 | 56 | 153013 | 55.203 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 168751 | 56.771 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 132425 | 54.034 | ug/l | 98 |
| 37) Ethyl Acetate | 6.988 | 43 | 60168 | 65.852 | ug/l | 95 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 156282 | 51.530 | ug/l | 99 |
| 39) Methylcyclohexane | 9.116 | 83 | 168118 | 51.064 | ug/l | 95 |
| 40) Benzene | 8.085 | 78 | 393690 | 54.594 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.226 | 41 | 31701 | 62.707 ug/l | | 93 |
| 42) 1,2-Dichloroethane | 8.165 | 62 | 108251 | 59.191 ug/l | | 99 |
| 43) Isopropyl Acetate | 8.201 | 43 | 120630 | 66.087 ug/l | | 96 |
| 44) Trichloroethene | 8.872 | 130 | 99733 | 50.121 ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 93348 | 57.754 ug/l | | 99 |
| 46) Dibromomethane | 9.238 | 93 | 51734 | 55.001 ug/l | | 95 |
| 47) Bromodichloromethane | 9.427 | 83 | 137852 | 55.807 ug/l | | 97 |
| 48) Methyl methacrylate | 9.225 | 41 | 54848 | 63.113 ug/l | | 91 |
| 49) 1,4-Dioxane | 9.231 | 88 | 10030 | 1003.514 ug/l | # | 91 |
| 51) 4-Methyl-2-Pentanone | 10.000 | 43 | 308616 | 329.038 ug/l | | 95 |
| 52) Toluene | 10.176 | 92 | 250280 | 53.469 ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 128314 | 57.403 ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 149965 | 56.133 ug/l | # | 91 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 67249 | 53.761 ug/l | | 99 |
| 56) Ethyl methacrylate | 10.445 | 69 | 96579 | 59.067 ug/l | # | 88 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 117634 | 55.483 ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 224134 | 322.966 ug/l | | 95 |
| 59) 2-Hexanone | 10.768 | 43 | 205217 | 336.612 ug/l | | 92 |
| 60) Dibromochloromethane | 10.914 | 129 | 93957 | 52.680 ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 64333 | 53.845 ug/l | | 98 |
| 64) Tetrachloroethene | 10.652 | 164 | 90228 | 47.817 ug/l | | 98 |
| 65) Chlorobenzene | 11.445 | 112 | 270176 | 51.263 ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 95653 | 51.137 ug/l | | 97 |
| 67) Ethyl Benzene | 11.524 | 91 | 486059 | 53.265 ug/l | | 100 |
| 68) m/p-Xylenes | 11.633 | 106 | 366509 | 104.538 ug/l | | 98 |
| 69) o-Xylene | 11.963 | 106 | 170229 | 52.229 ug/l | | 96 |
| 70) Styrene | 11.975 | 104 | 289102 | 53.426 ug/l | | 98 |
| 71) Bromoform | 12.133 | 173 | 54130 | 49.101 ug/l | # | 98 |
| 73) Isopropylbenzene | 12.261 | 105 | 461198 | 54.240 ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 107371 | 69.346 ug/l | | 92 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 76500 | 55.736 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 55904m | 58.330 ug/l | | |
| 77) Bromobenzene | 12.536 | 156 | 104605 | 51.889 ug/l | | 93 |
| 78) n-propylbenzene | 12.603 | 91 | 554600 | 55.653 ug/l | | 98 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 312917 | 55.113 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 376397 | 54.032 ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 26957 | 58.386 ug/l | | 91 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 316855 | 54.527 ug/l | | 100 |
| 83) tert-Butylbenzene | 13.005 | 119 | 347315 | 53.757 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 370408 | 54.433 ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 488820 | 53.440 ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 414156 | 53.878 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 203767 | 51.839 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 201529 | 51.631 ug/l | | 100 |
| 89) n-Butylbenzene | 13.621 | 91 | 381707 | 55.439 ug/l | | 99 |
| 90) Hexachloroethane | 13.889 | 117 | 84237 | 54.167 ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 13.664 | 146 | 176718 | 51.554 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 11716 | 55.445 ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 14.926 | 180 | 105932 | 50.473 ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 67092 | 46.155 ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 180166 | 53.412 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 88730 | 49.991 ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

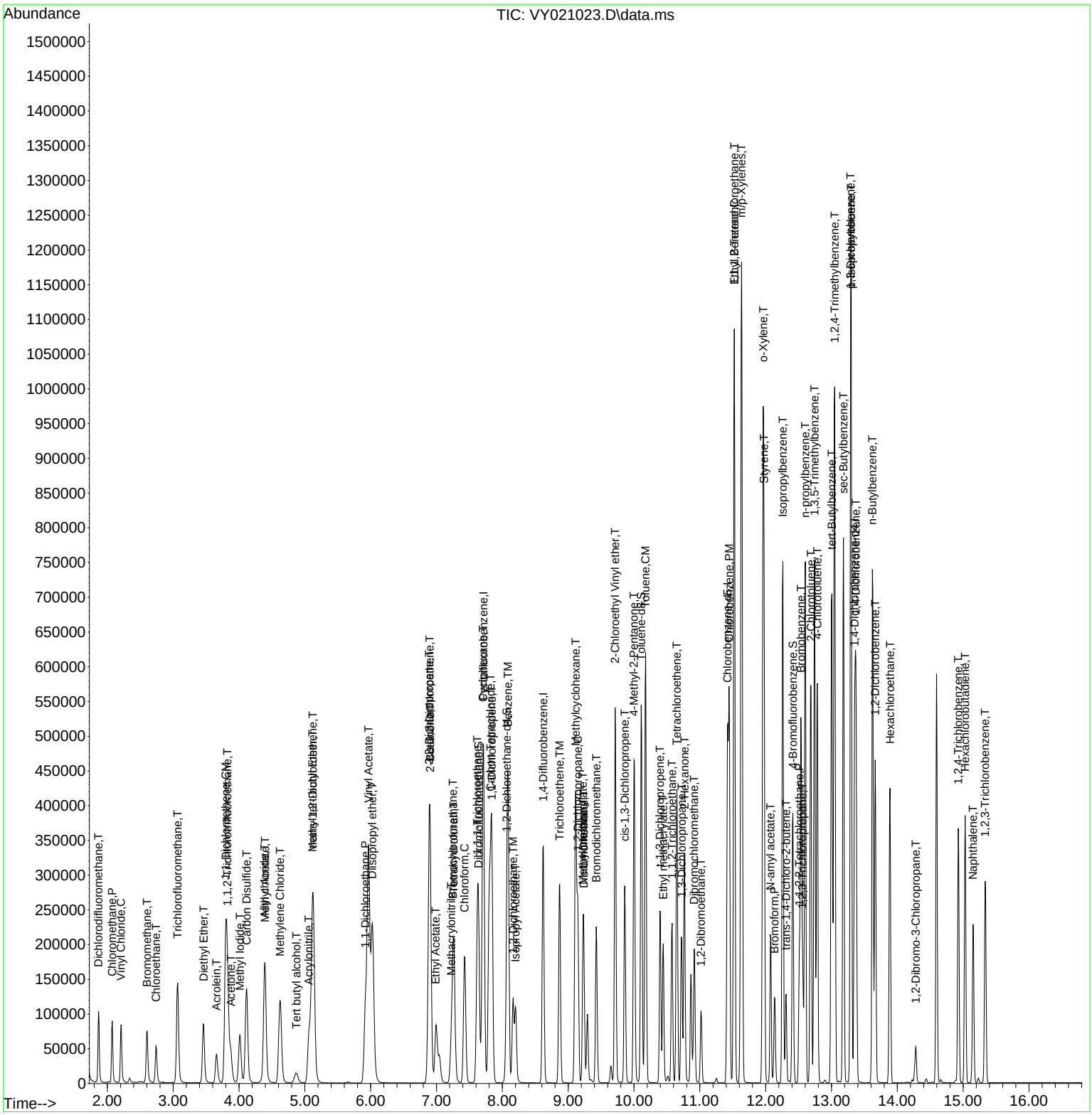
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

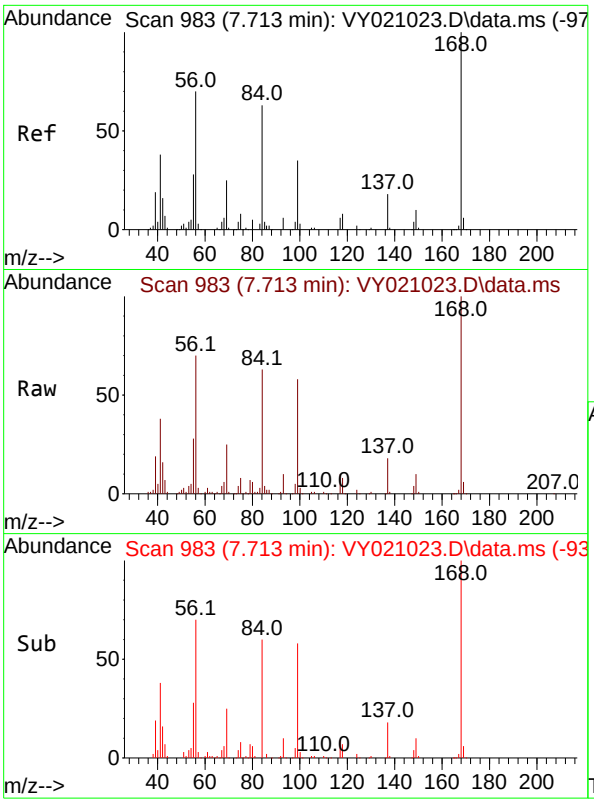
Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

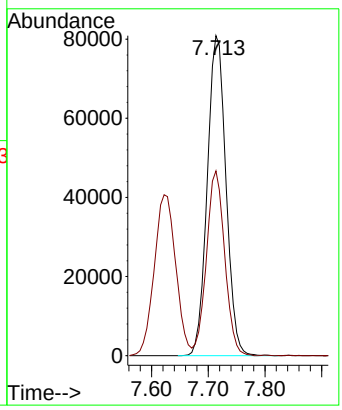
Tgt Ion:168 Resp: 18505

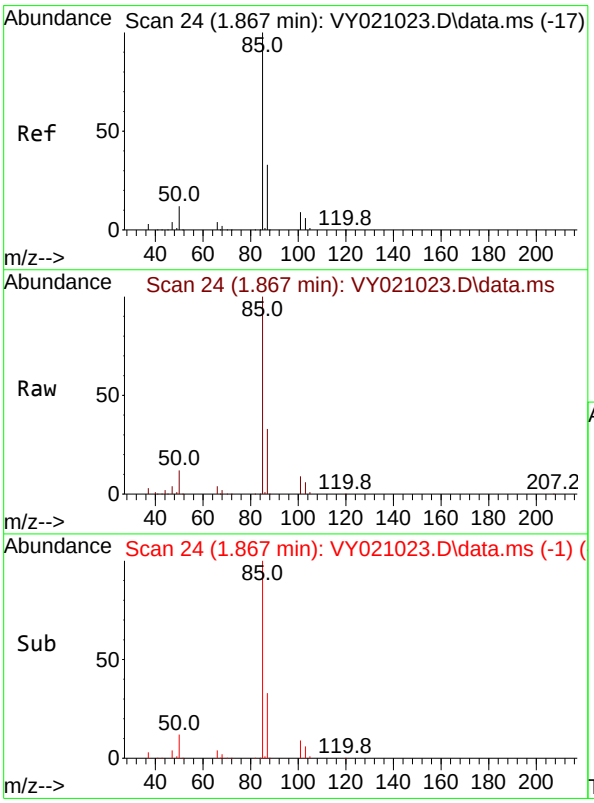
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.7 | 42.2 | 63.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

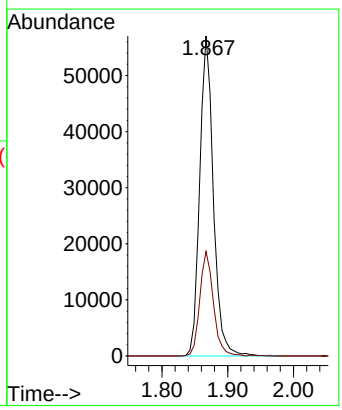


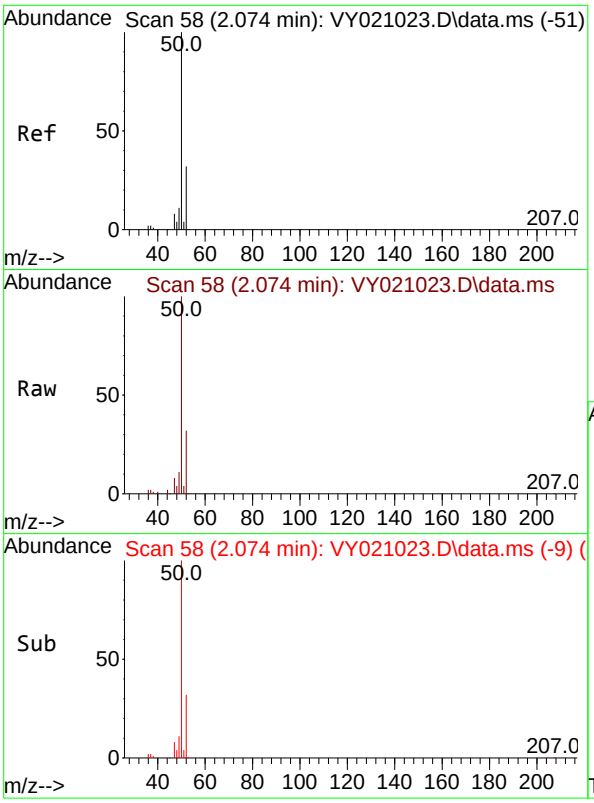




#2
Dichlorodifluoromethane
Concen: 52.329 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 85 Resp: 82341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 16.3 | 48.9 |

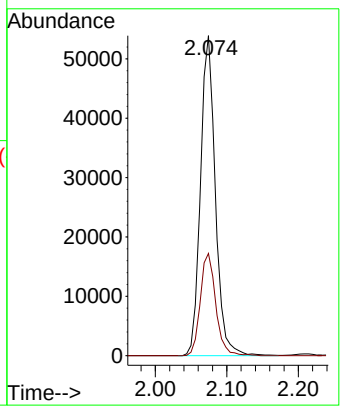





#3
Chloromethane
Concen: 77.798 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 50 Resp: 7782

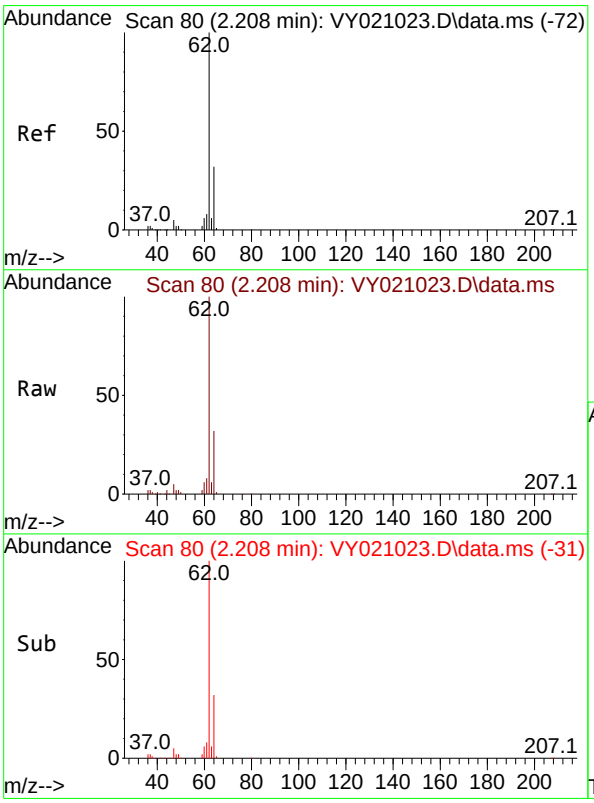
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.3 | 39.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

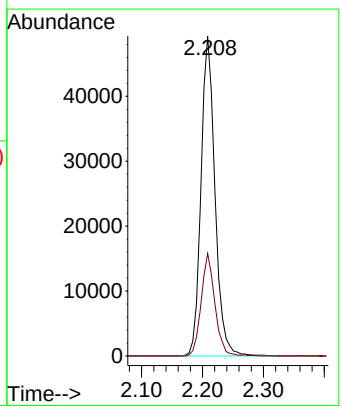
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

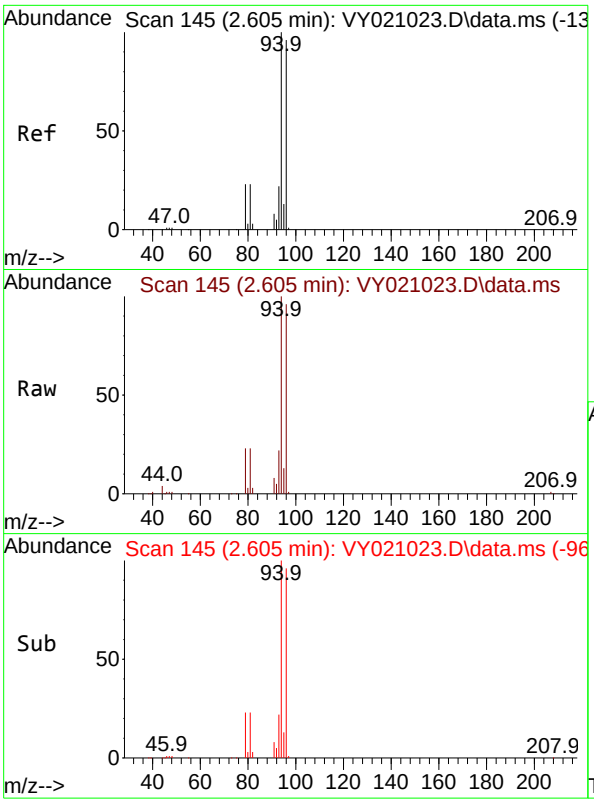



#4
Vinyl Chloride
Concen: 76.063 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 62 Resp: 78456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 25.4 | 38.2 |






#5
Bromomethane
Concen: 68.257 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

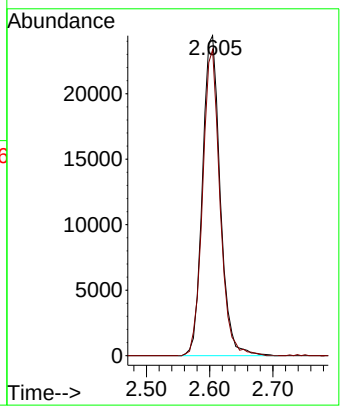
Tgt Ion: 94 Resp: 4766

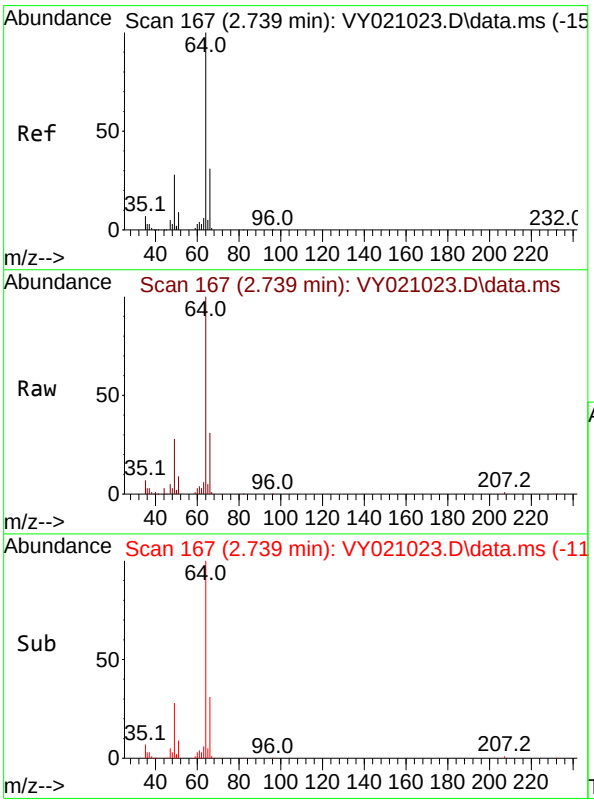
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.6 | 77.4 | 116.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

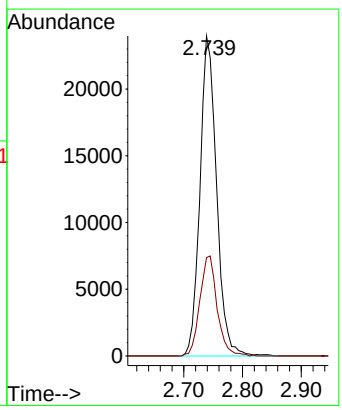


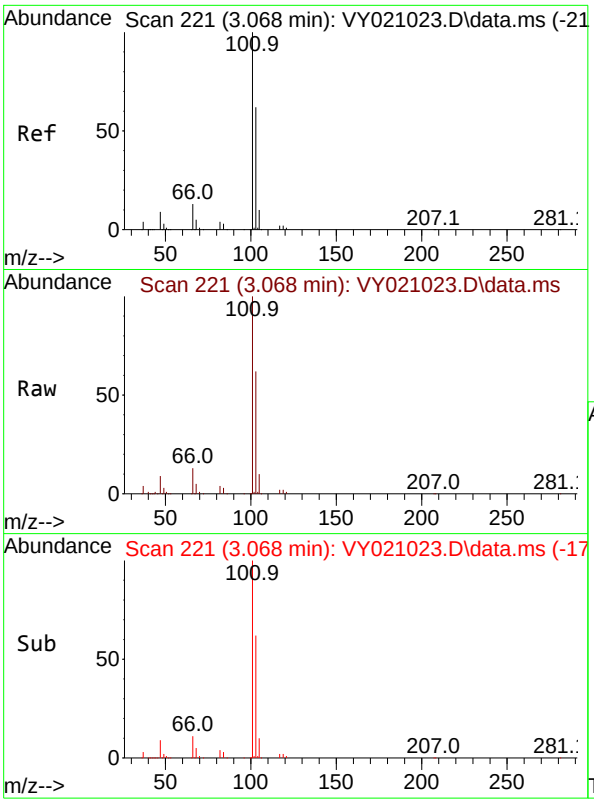




#6
Chloroethane
Concen: 78.268 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 64 Resp: 47159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.7 | 25.0 | 37.4 |

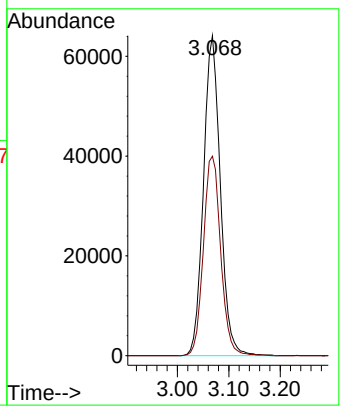





#7
Trichlorofluoromethane
Concen: 58.690 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:101 Resp: 14609

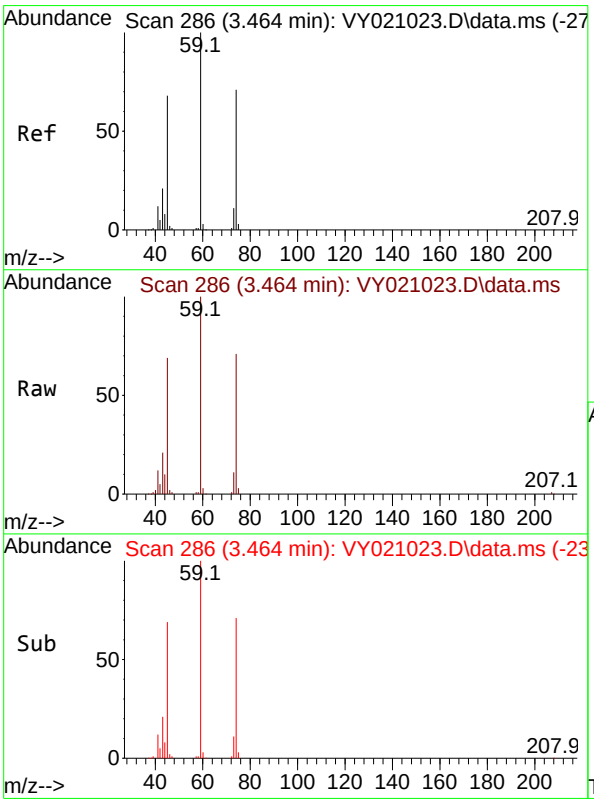
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.4 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

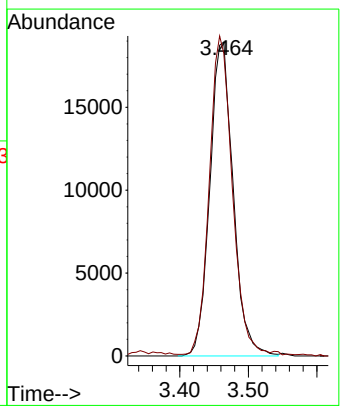
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

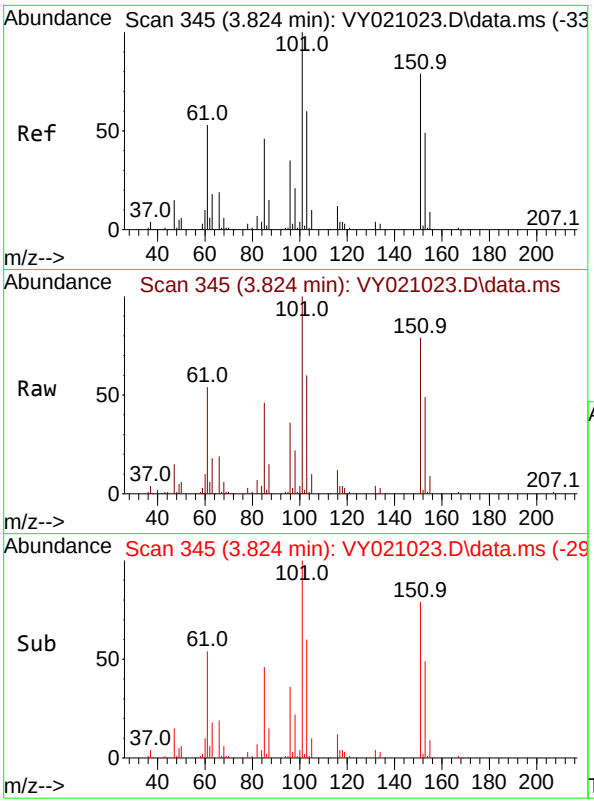



#8
Diethyl Ether
Concen: 60.281 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 74 Resp: 44796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.0 | 43.4 | 130.2 |

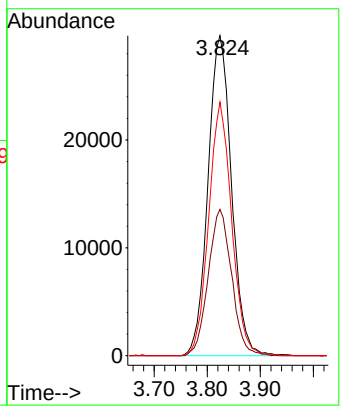





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.564 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:101 Resp: 9145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.5 | 34.9 | 52.3 |
| 151 | 77.5 | 66.8 | 100.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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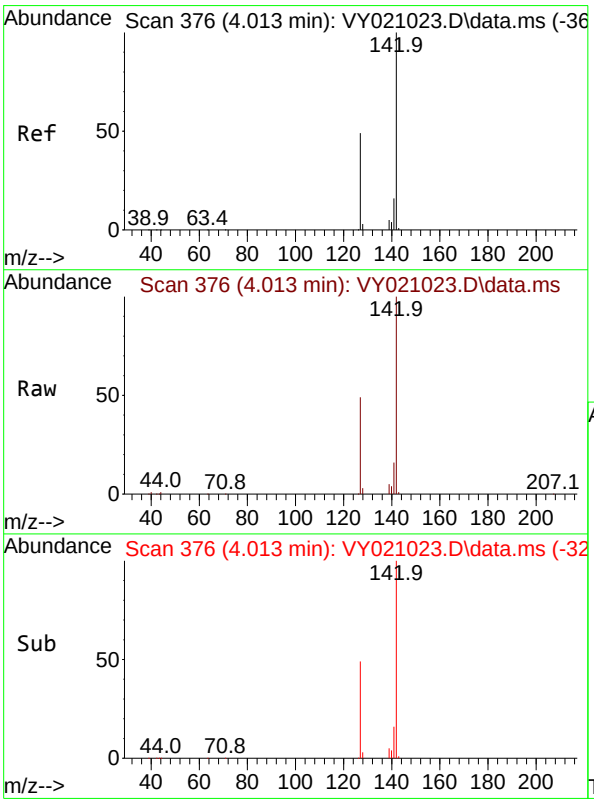
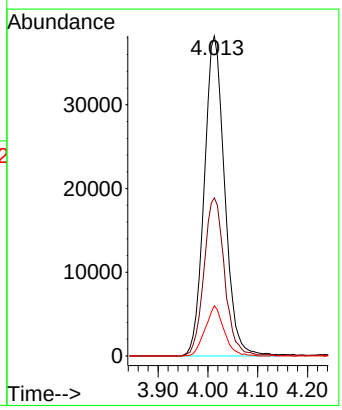
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

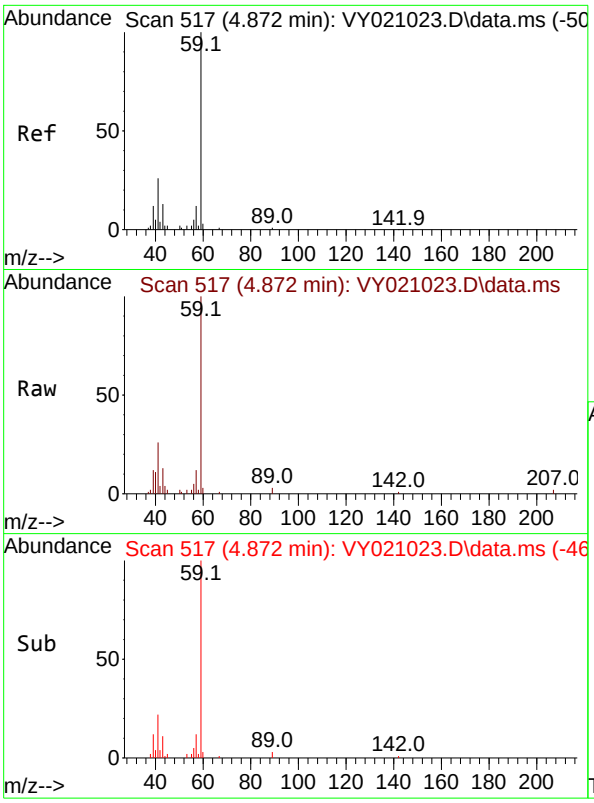



#10
Methyl Iodide
Concen: 56.607 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:142 Resp: 108576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.8 | 38.9 | 58.3 |
| 141 | 14.5 | 11.7 | 17.5 |

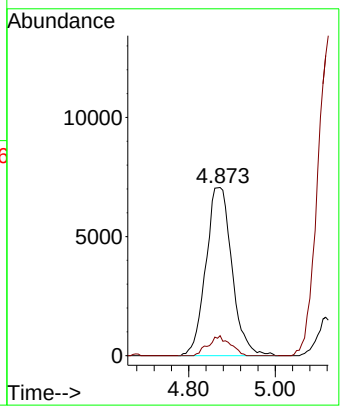





#11
Tert butyl alcohol
Concen: 256.470 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 59 Resp: 2951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 7.8 | 11.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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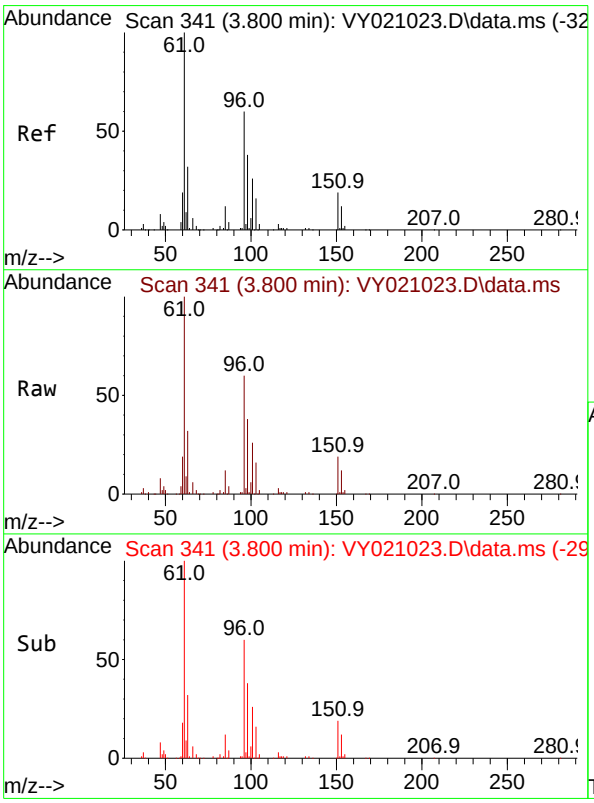
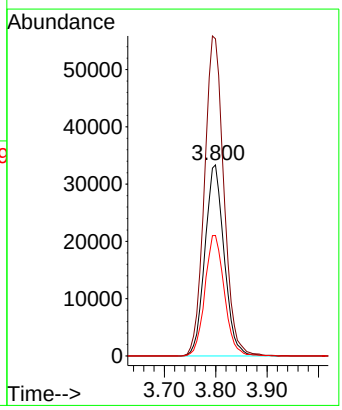
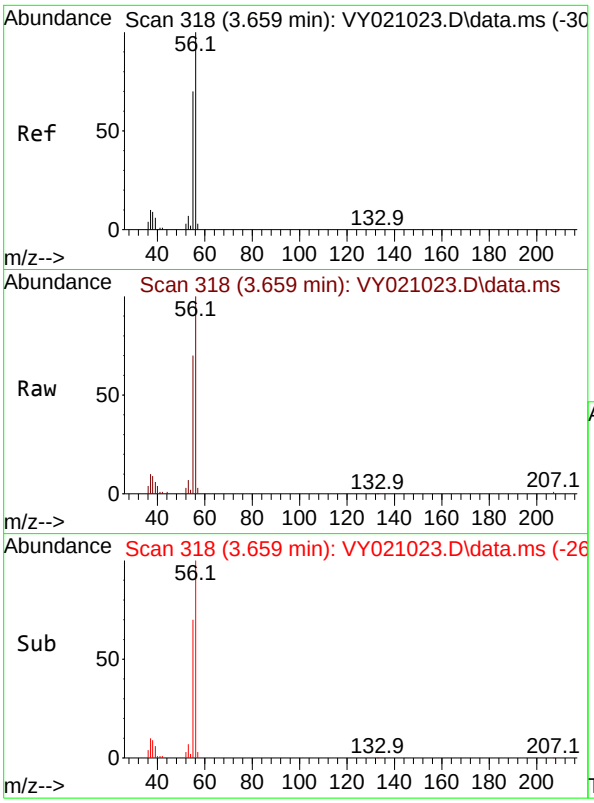



#12
1,1-Dichloroethene
Concen: 55.452 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 86860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.1 | 120.8 | 181.2 |
| 98 | 63.1 | 50.6 | 76.0 |

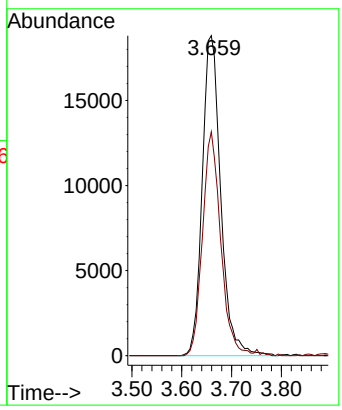





#13
Acrolein
Concen: 365.513 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 56 Resp: 4844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.6 | 56.1 | 84.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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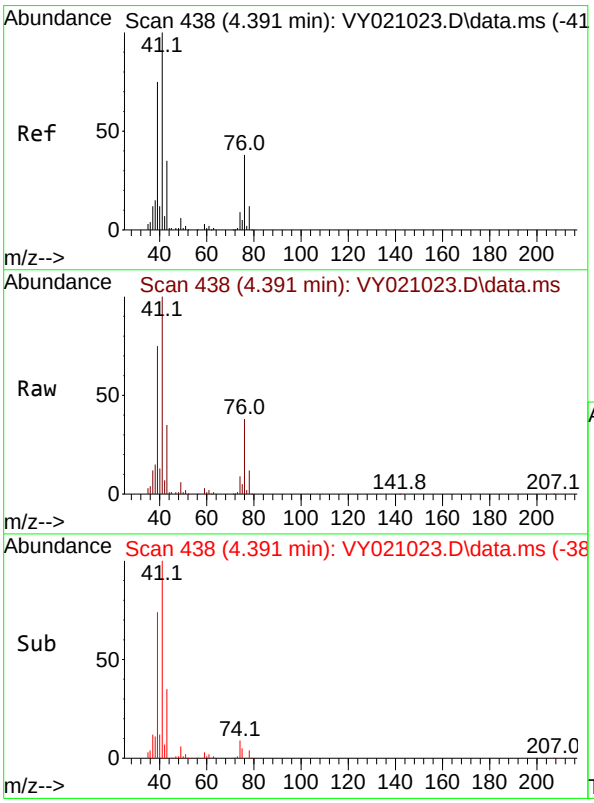
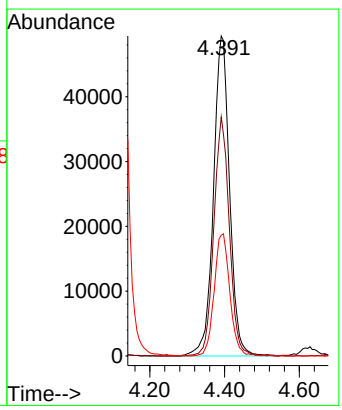
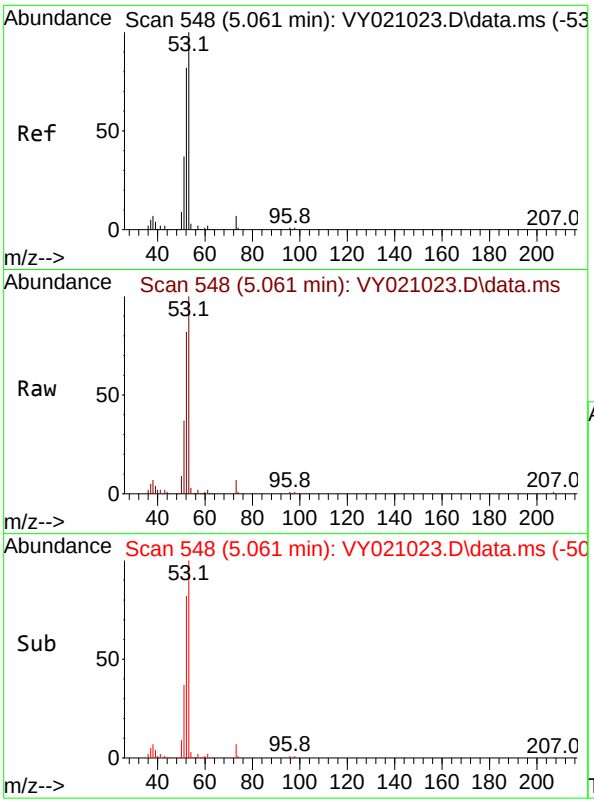



#14
Allyl chloride
Concen: 68.676 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 148096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.5 | 53.5 | 80.3 |
| 76 | 37.1 | 34.6 | 52.0 |






#15
Acrylonitrile
Concen: 322.040 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

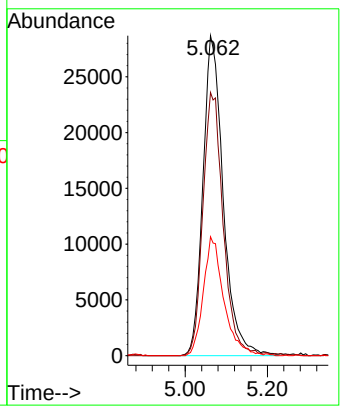
Tgt Ion: 53 Resp: 9843

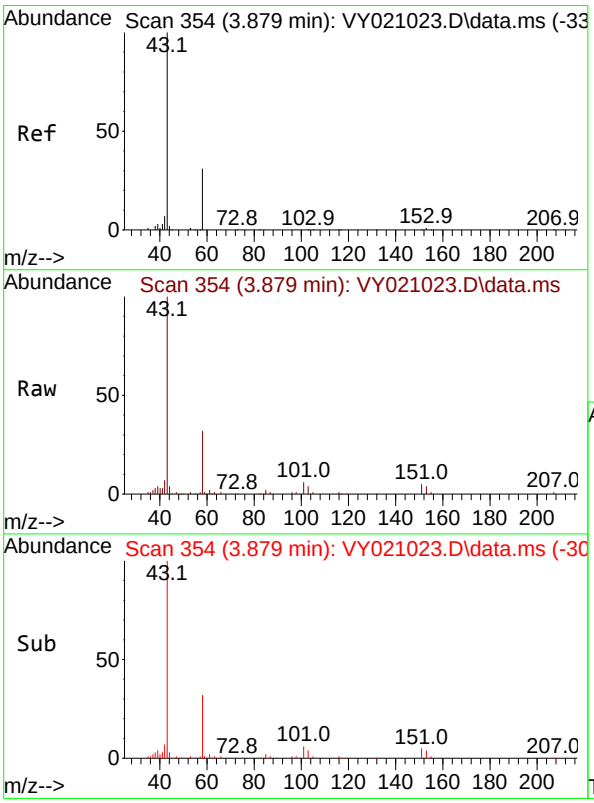
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.9 | 66.2 | 99.4 |
| 51 | 37.4 | 29.4 | 44.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

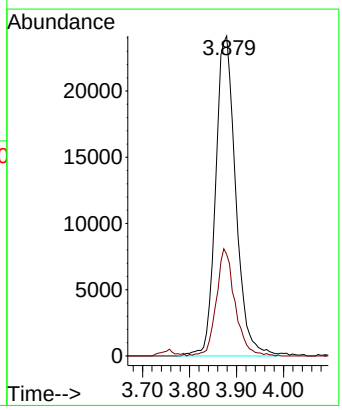


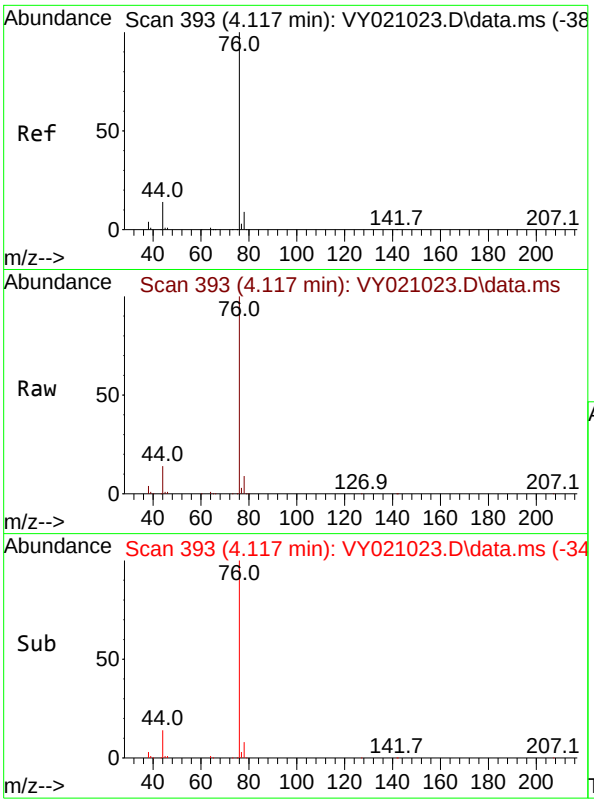




#16
Acetone
Concen: 333.889 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 71701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 28.4 | 42.6 |

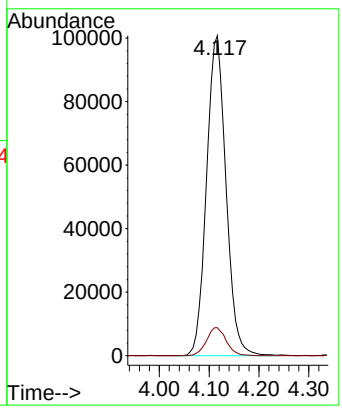





#17
Carbon Disulfide
Concen: 56.574 ug/l
RT: 4.117 min Scan# 3
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 76 Resp: 27293

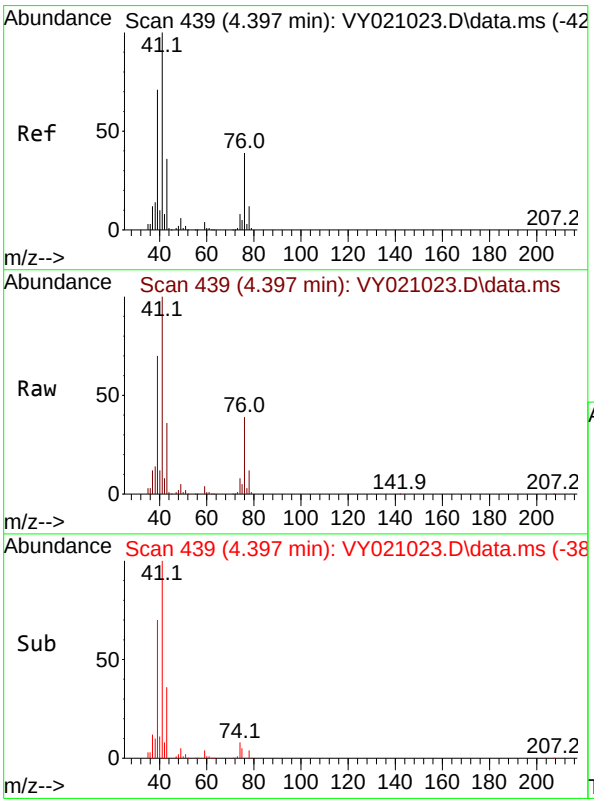
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.3 | 10.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

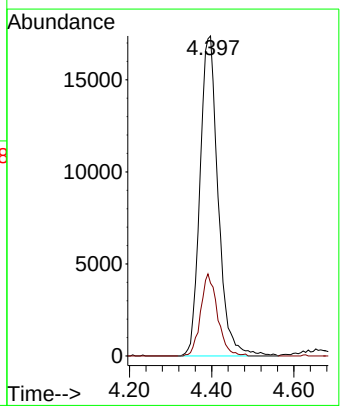
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

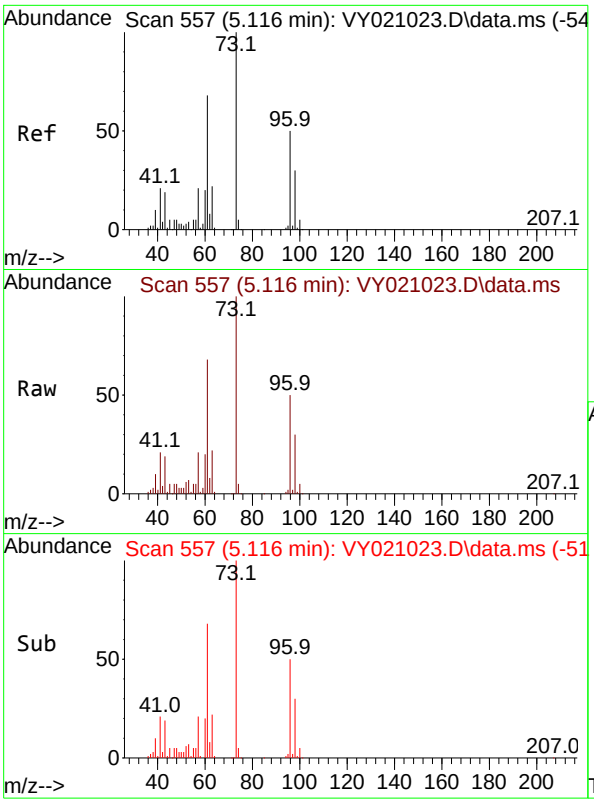



#18
Methyl Acetate
Concen: 70.789 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 53193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.8 | 22.2 | 33.4 |

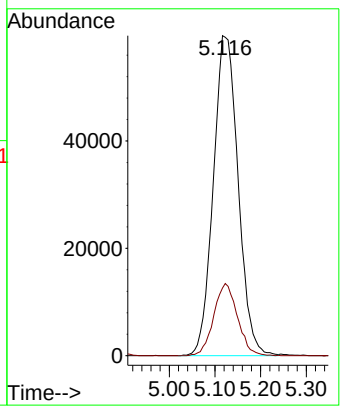





#19
Methyl tert-butyl Ether
Concen: 61.726 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 73 Resp: 22504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 16.6 | 25.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :Mahesh Dadoda 02/04/2025
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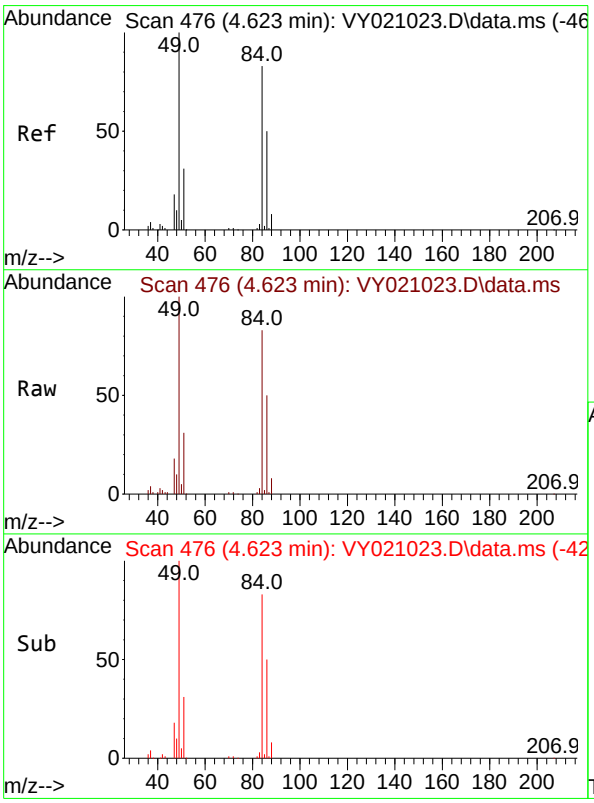
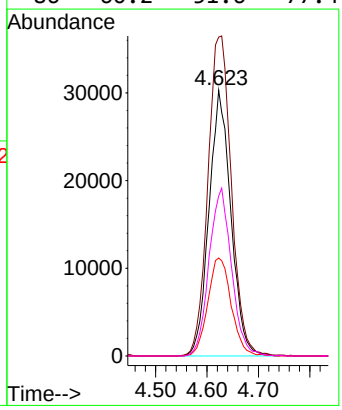
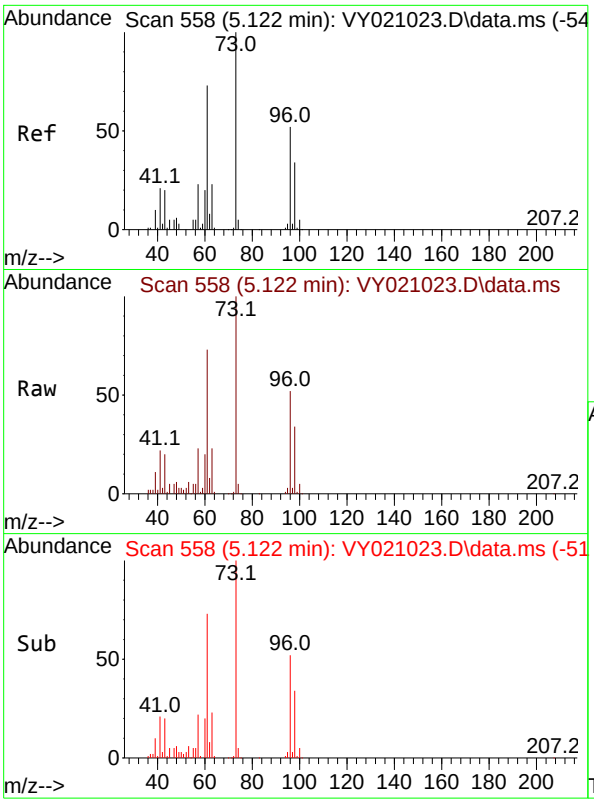



#20
Methylene Chloride
Concen: 56.645 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 84 Resp: 89716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.0 | 88.3 | 132.5 |
| 51 | 36.8 | 27.7 | 41.5 |
| 86 | 60.2 | 51.6 | 77.4 |






#21
trans-1,2-Dichloroethene
Concen: 57.552 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 9665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.7 | 101.5 | 152.3 |
| 98 | 65.7 | 52.0 | 78.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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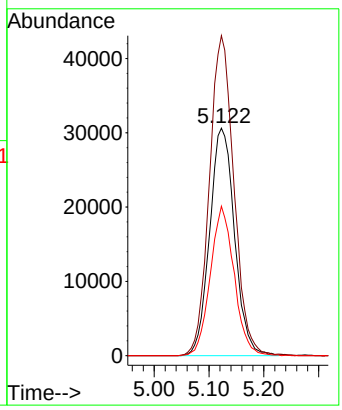
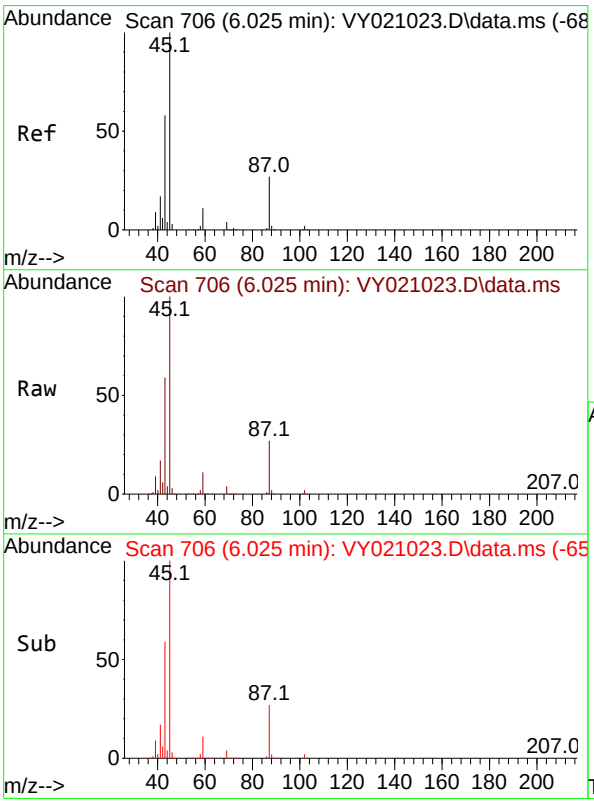
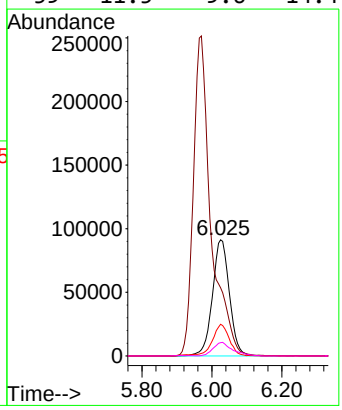


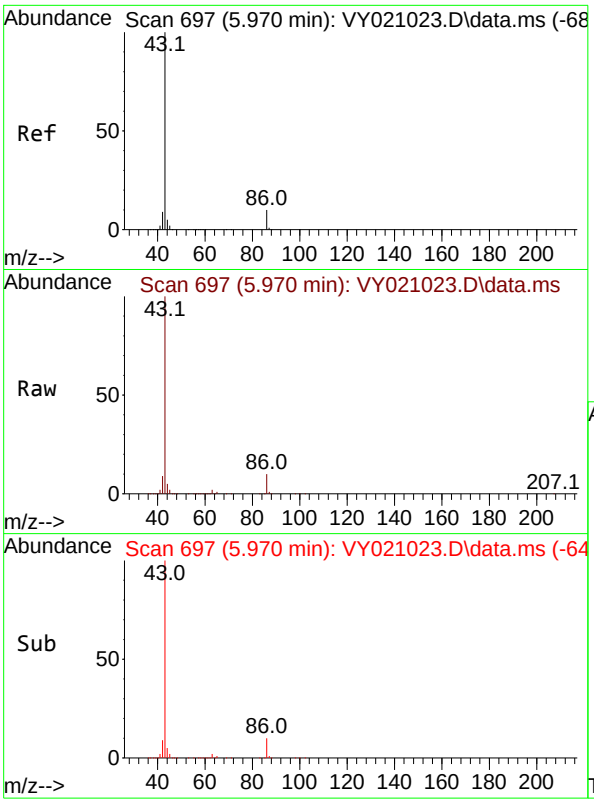




#22
Diisopropyl ether
Concen: 70.111 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 45 Resp: 308181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 58.4 | 45.1 | 67.7 |
| 87 | 27.2 | 25.0 | 37.4 |
| 59 | 11.5 | 9.6 | 14.4 |






#23
Vinyl Acetate
Concen: 360.173 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 87674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 9.7 | 14.5 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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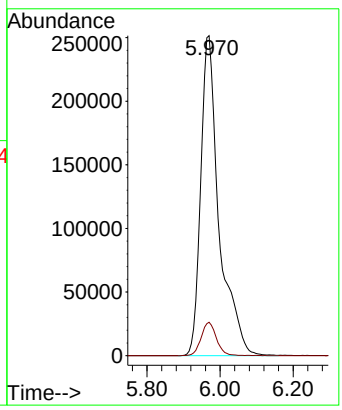
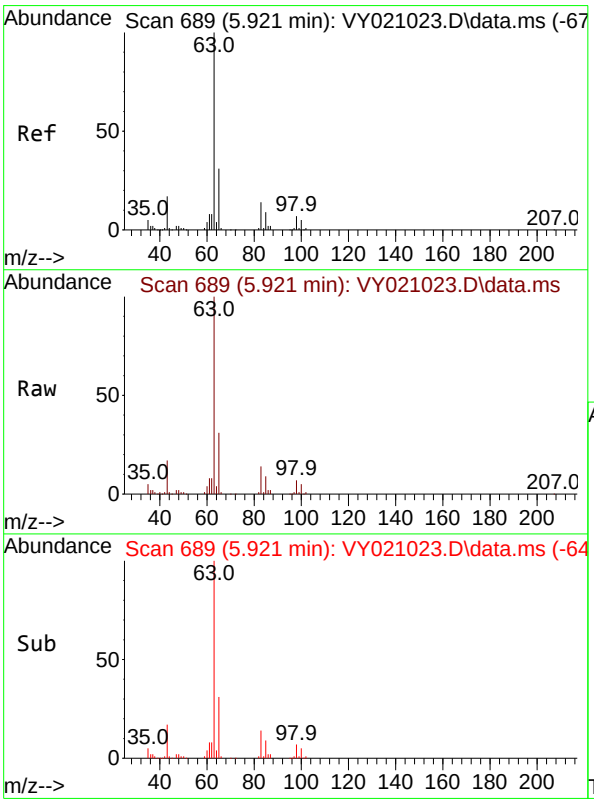
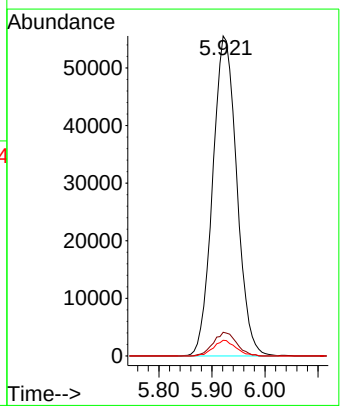


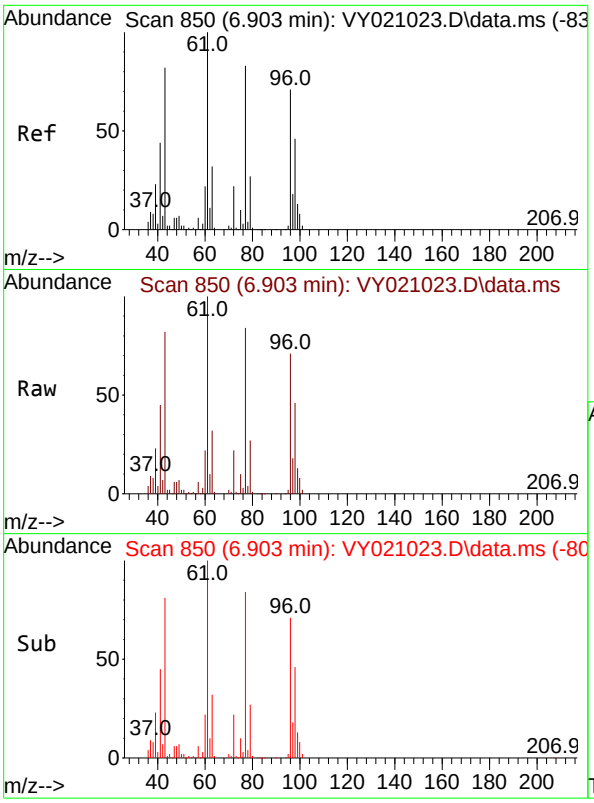




#24
1,1-Dichloroethane
Concen: 61.815 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 175291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.7 | 11.1 |
| 100 | 4.9 | 2.4 | 7.2 |

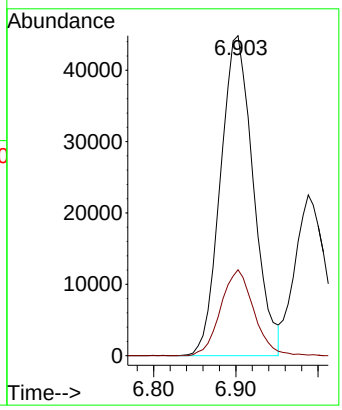





#25
2-Butanone
Concen: 342.981 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 12494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.9 | 24.3 | 36.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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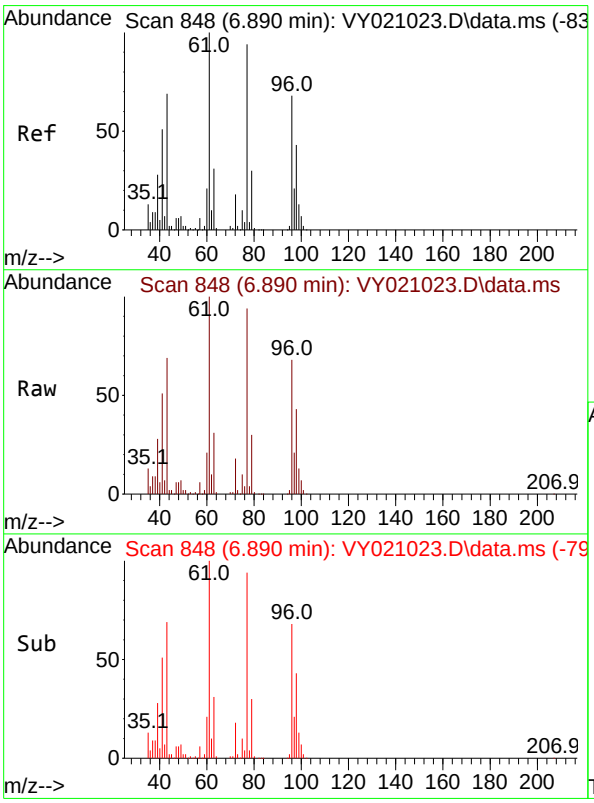
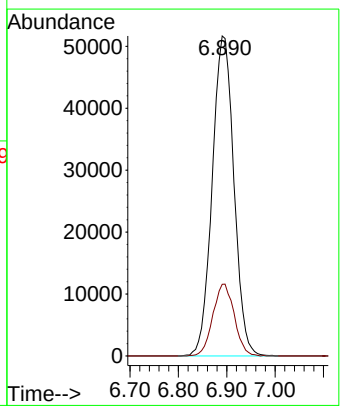
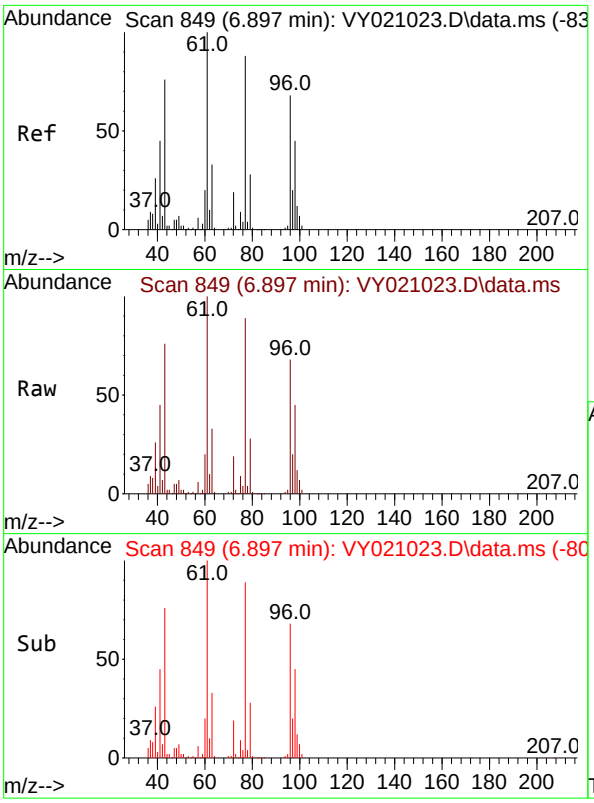



#26
2,2-Dichloropropane
Concen: 57.651 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 77 Resp: 160962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 11.4 | 34.2 |

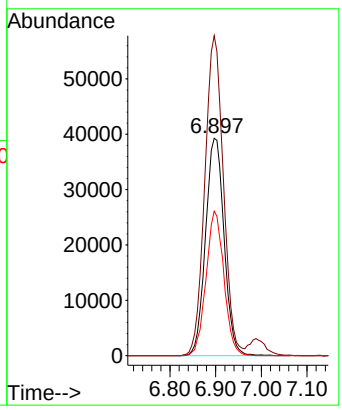





#27
cis-1,2-Dichloroethene
Concen: 57.437 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 11087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.1 | 0.0 | 274.0 |
| 98 | 64.0 | 0.0 | 130.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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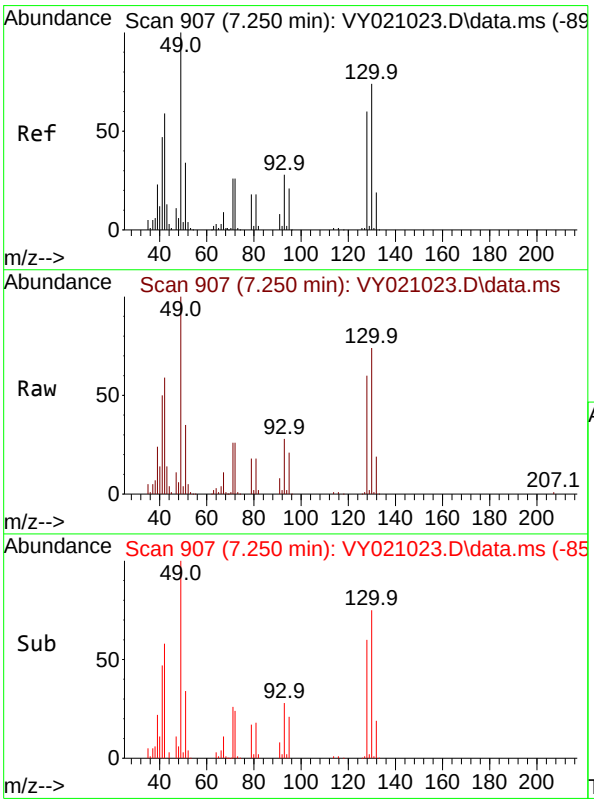
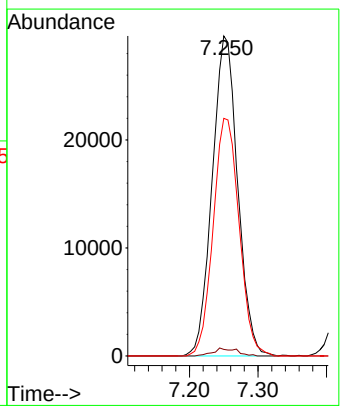
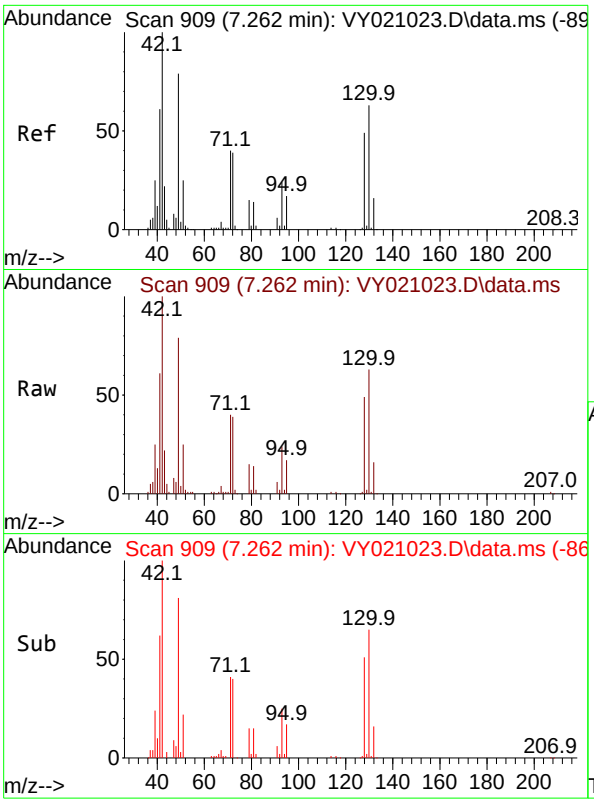



#28
Bromochloromethane
Concen: 72.370 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 49 Resp: 76460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 5.0 |
| 130 | 75.5 | 73.2 | 109.8 |






#29
Tetrahydrofuran
Concen: 346.176 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 42 Resp: 8486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.9 | 39.3 | 58.9 |
| 71 | 40.3 | 36.1 | 54.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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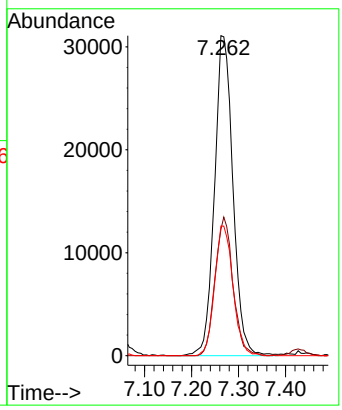
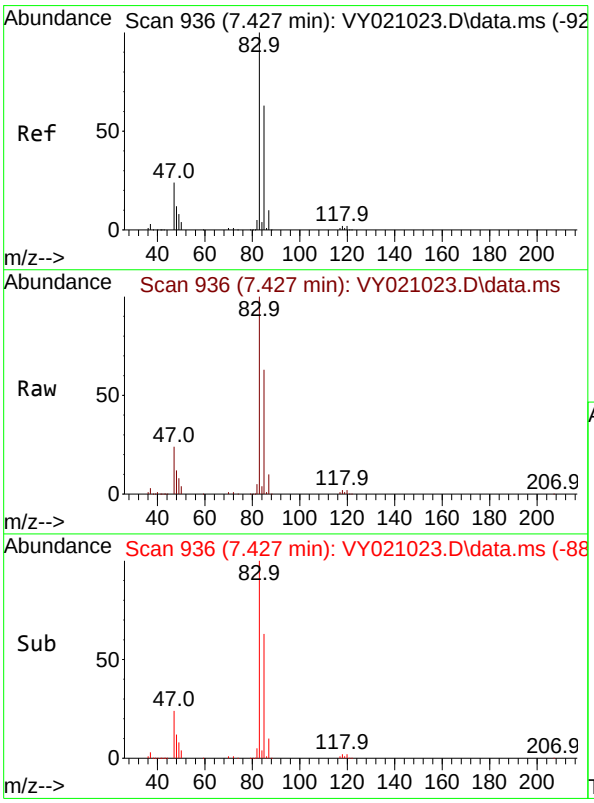
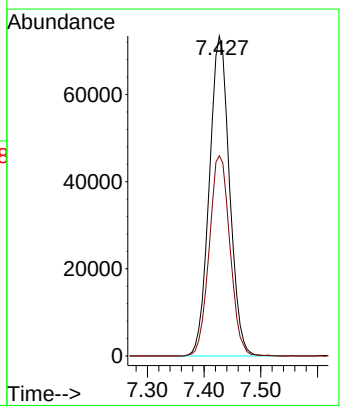


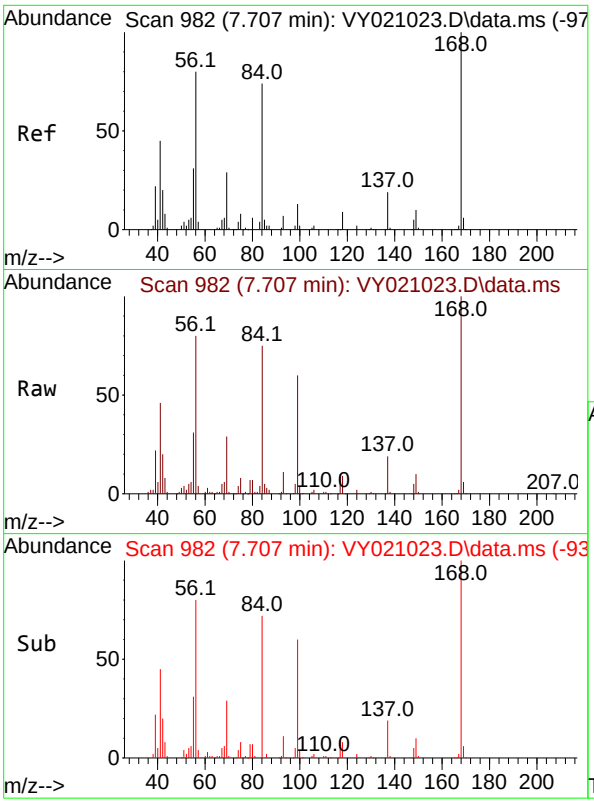




#30
Chloroform
Concen: 59.167 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 181725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 52.9 | 79.3 |

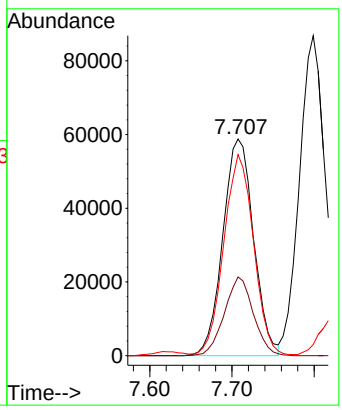





#31
Cyclohexane
Concen: 55.203 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 56 Resp: 15301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 36.3 | 27.7 | 41.5 |
| 84 | 91.5 | 77.5 | 116.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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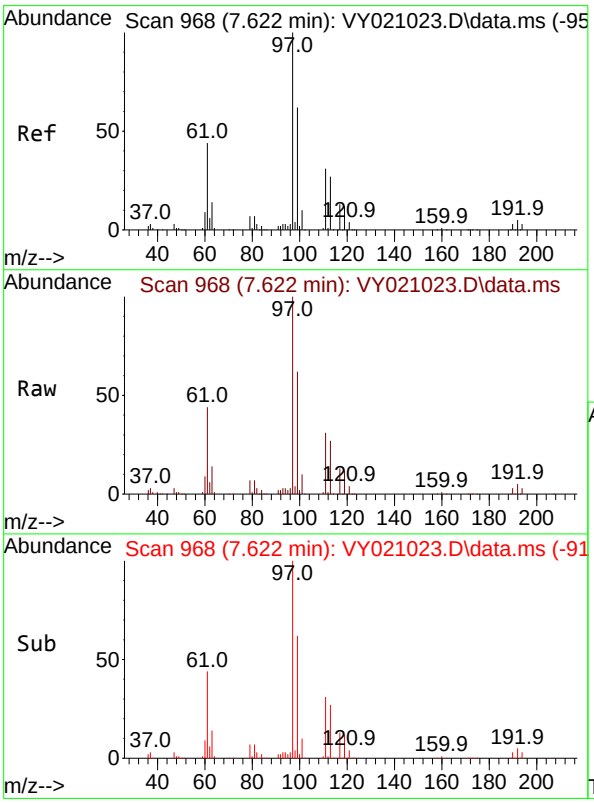
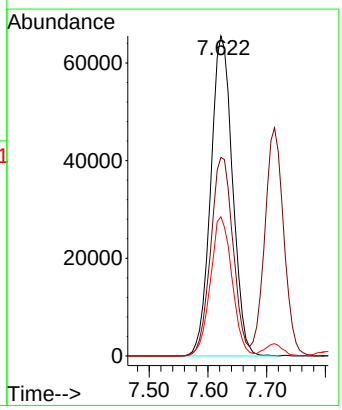
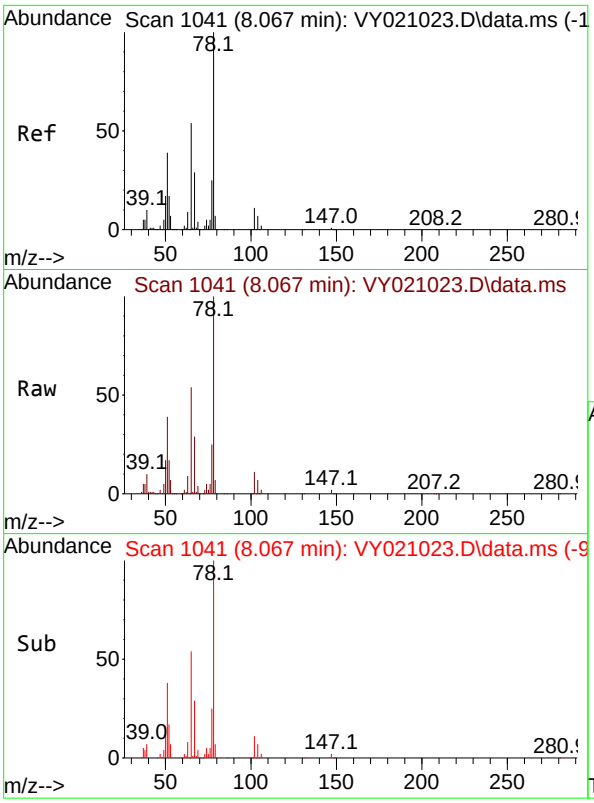



#32
1,1,1-Trichloroethane
Concen: 56.771 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 97 Resp: 168751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 51.4 | 77.0 |
| 61 | 43.3 | 31.4 | 47.0 |

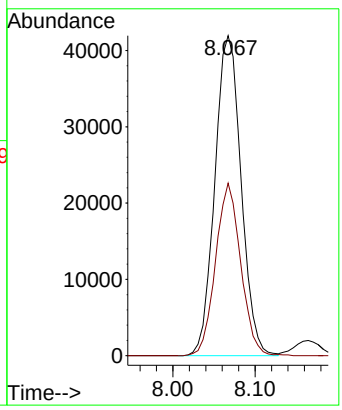





#33
1,2-Dichloroethane-d4
Concen: 59.079 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 65 Resp: 9308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.6 | 0.0 | 104.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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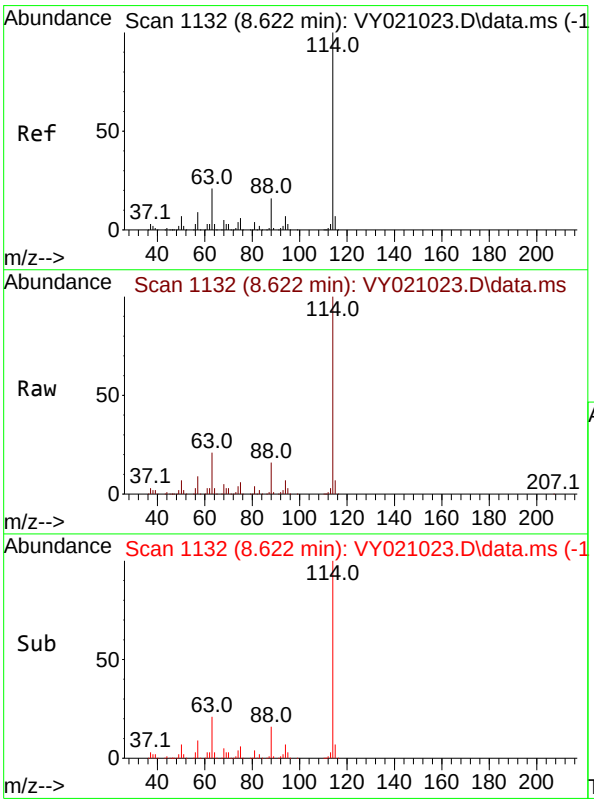
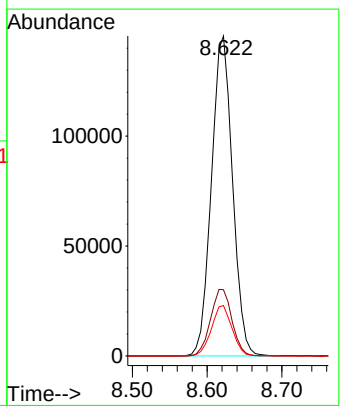
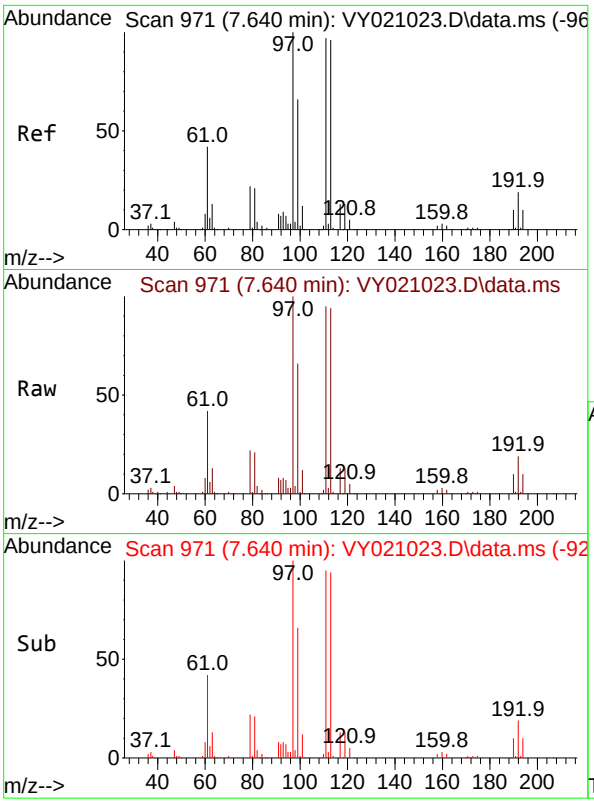



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:114 Resp: 285755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 37.2 |
| 88 | 15.8 | 0.0 | 29.6 |

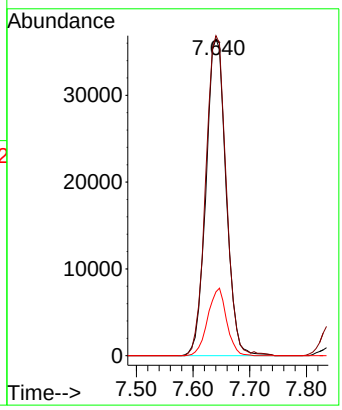





#35
Dibromofluoromethane
Concen: 52.107 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:113 Resp: 8951

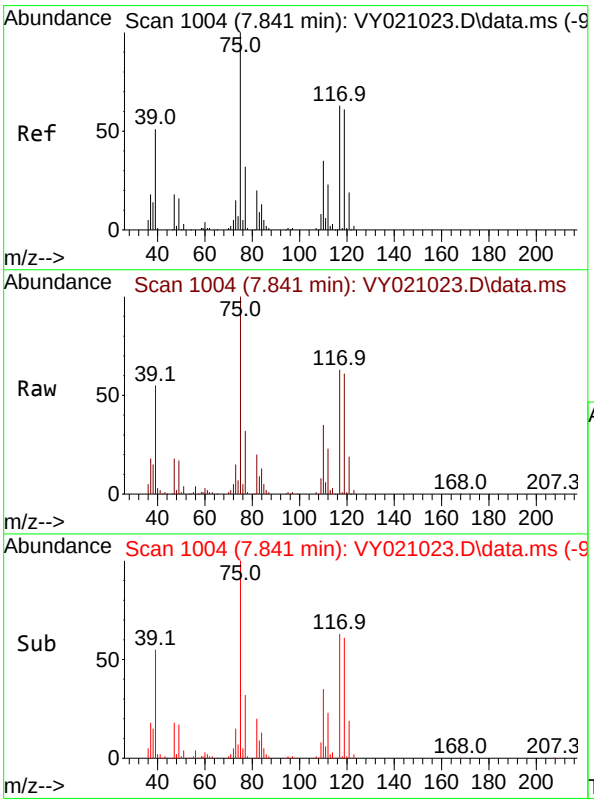
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 82.6 | 123.8 |
| 192 | 20.0 | 16.8 | 25.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

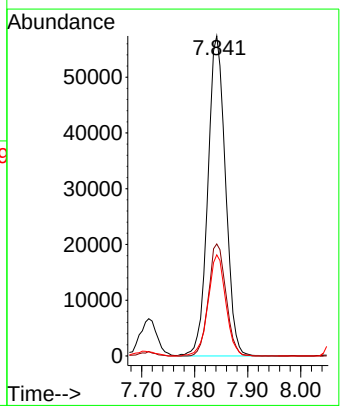
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

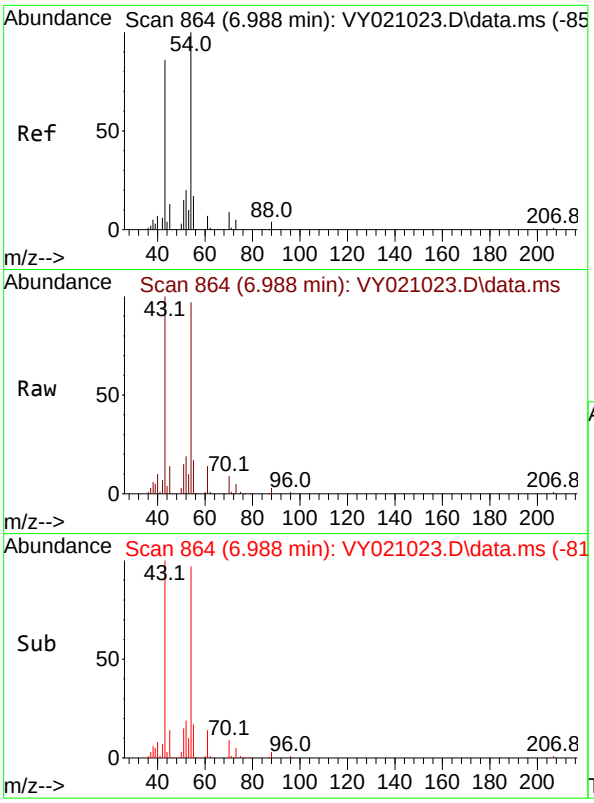



#36
1,1-Dichloropropene
Concen: 54.034 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 132425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 18.4 | 55.2 |
| 77 | 31.6 | 24.9 | 37.3 |

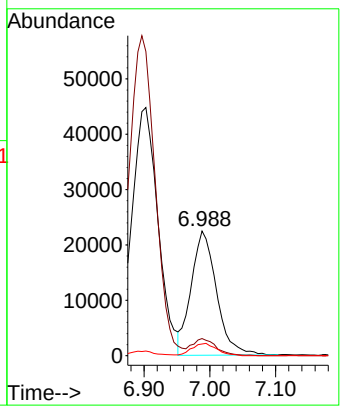





#37
Ethyl Acetate
Concen: 65.852 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 6016

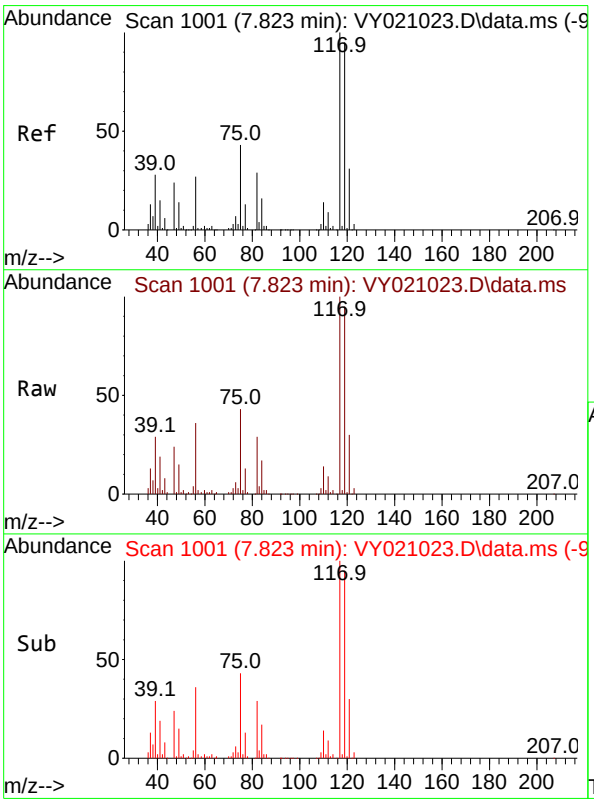
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 11.4 | 17.0 |
| 70 | 9.7 | 9.6 | 14.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

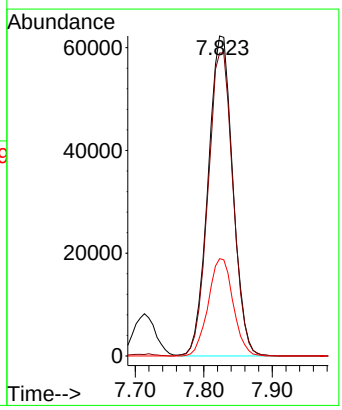
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

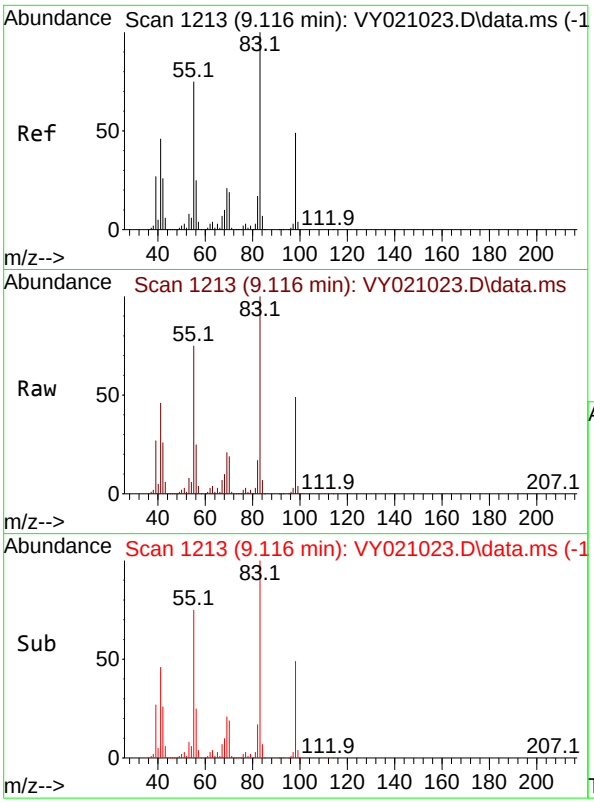



#38
Carbon Tetrachloride
Concen: 51.530 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 156282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 75.0 | 112.6 |
| 121 | 30.4 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 51.064 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 16811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.0 | 54.9 | 82.3 |
| 98 | 49.4 | 40.5 | 60.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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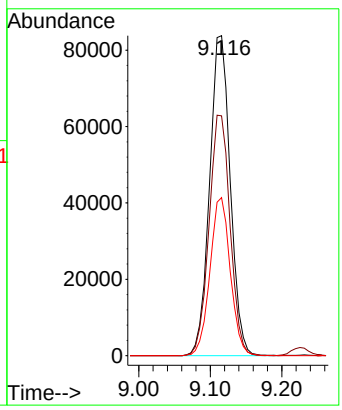
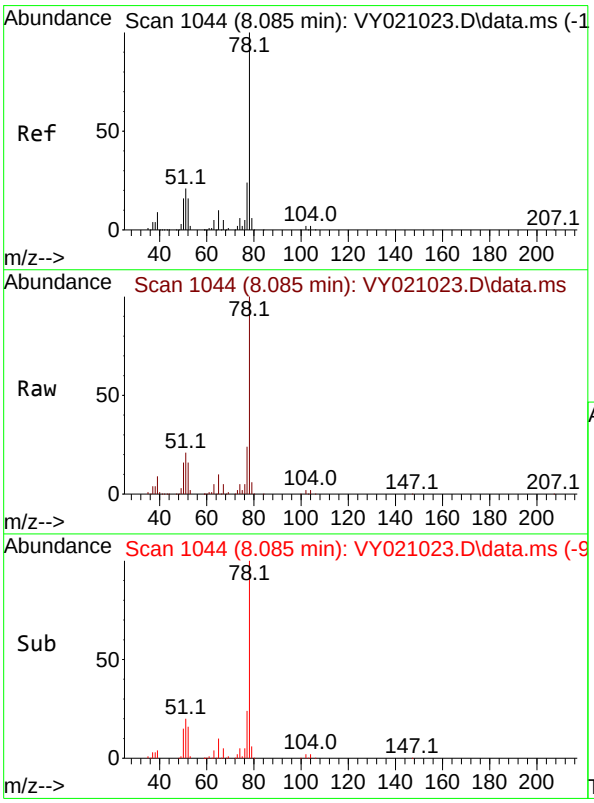
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

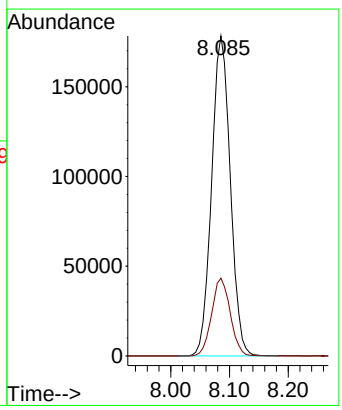


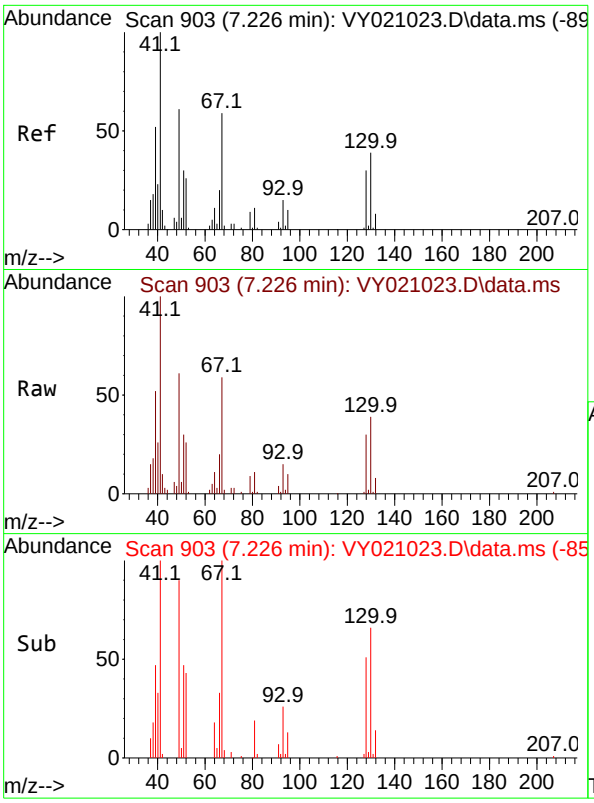




#40
Benzene
Concen: 54.594 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 78 Resp: 393690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.3 | 19.4 | 29.2 |

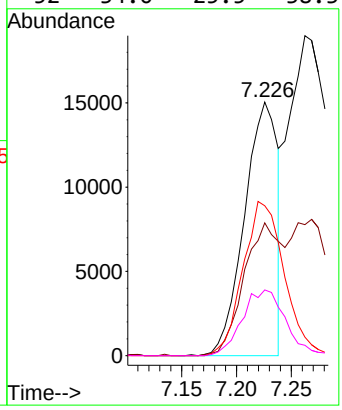





#41
Methacrylonitrile
Concen: 62.707 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 3170

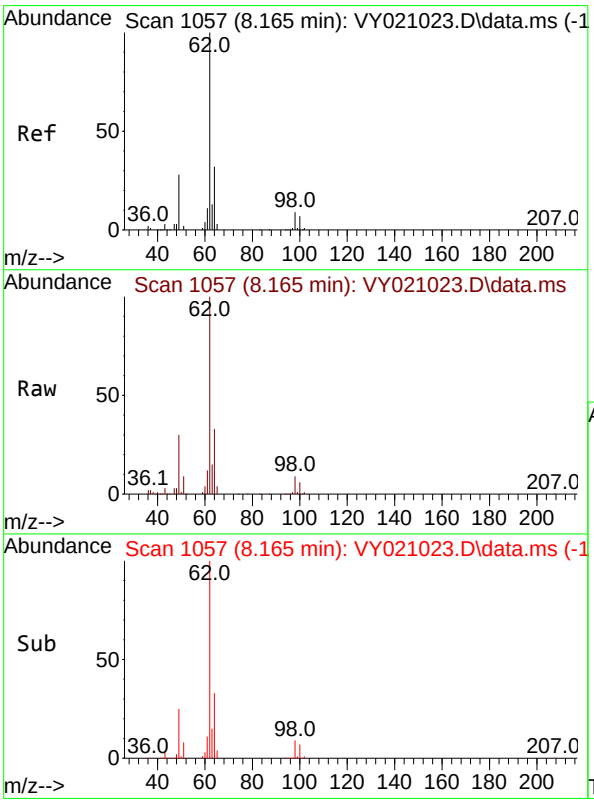
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.9 | 41.6 | 62.4 |
| 67 | 75.8 | 63.8 | 95.6 |
| 52 | 34.0 | 25.5 | 38.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

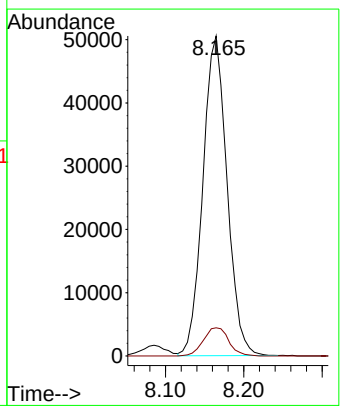
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

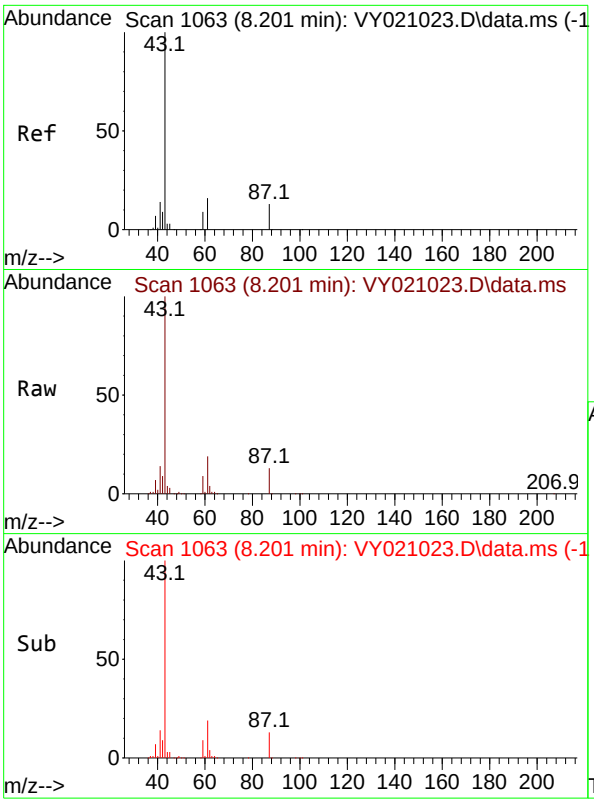



#42
1,2-Dichloroethane
Concen: 59.191 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 62 Resp: 108251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 19.4 |






#43
Isopropyl Acetate
Concen: 66.087 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 12063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 15.8 | 23.6 |
| 87 | 12.8 | 12.5 | 18.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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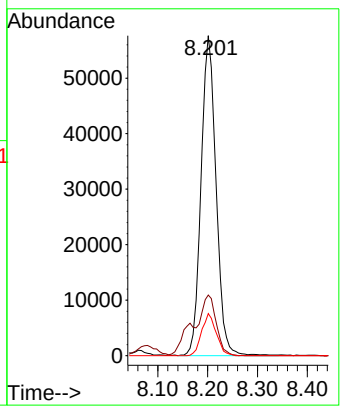
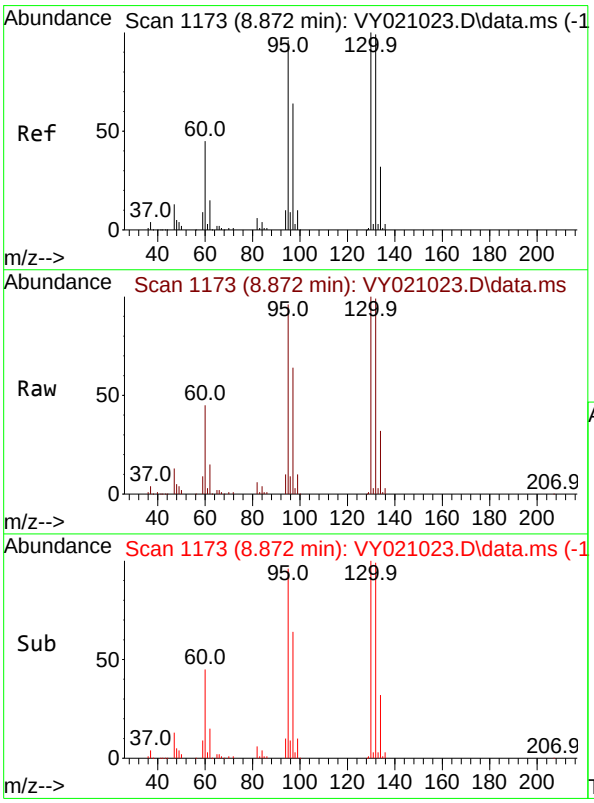
Supervised By :Semsettin Yesilyurt 02/04/2025

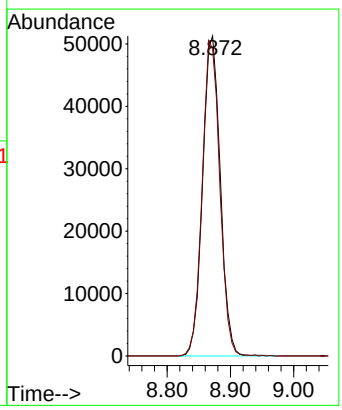


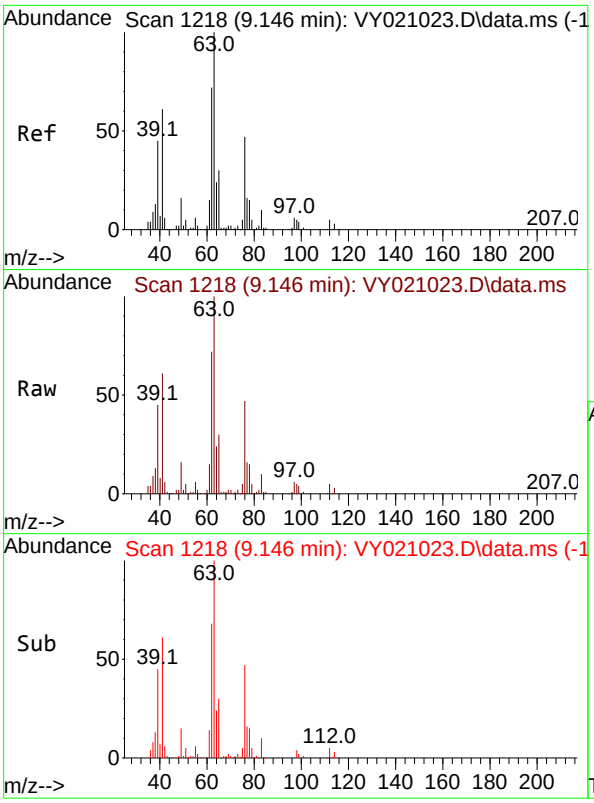




#44
Trichloroethene
Concen: 50.121 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:130 Resp: 99733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.9 | 0.0 | 189.6 |

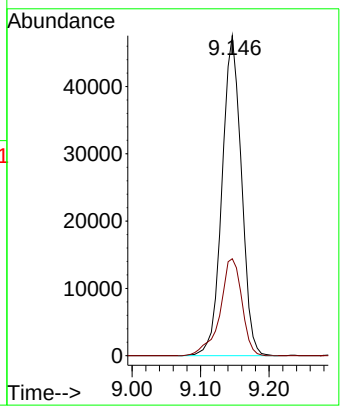





#45
1,2-Dichloropropane
Concen: 57.754 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 9334

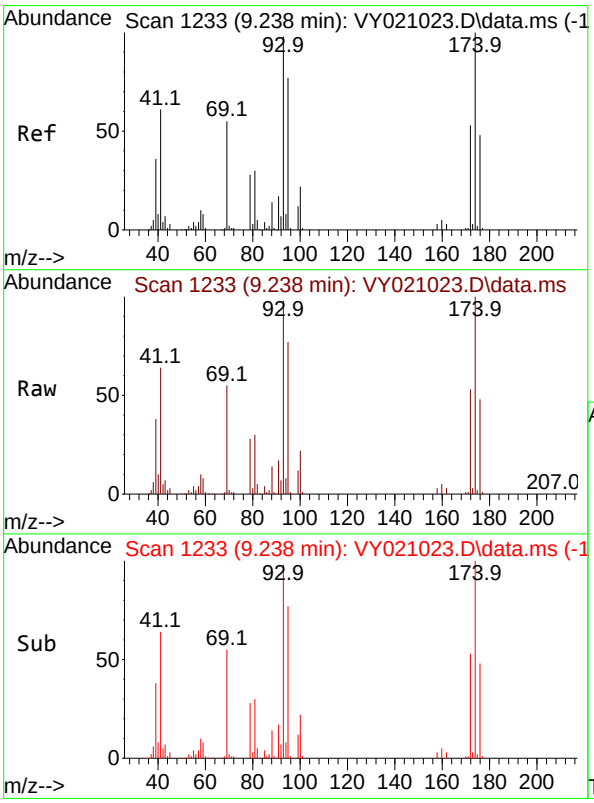
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.3 | 23.6 | 35.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

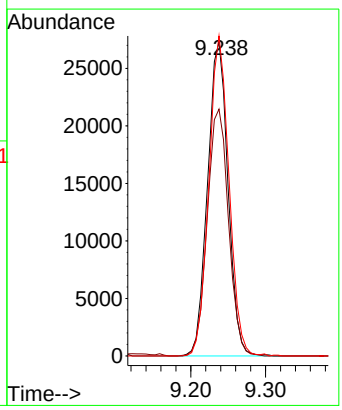
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

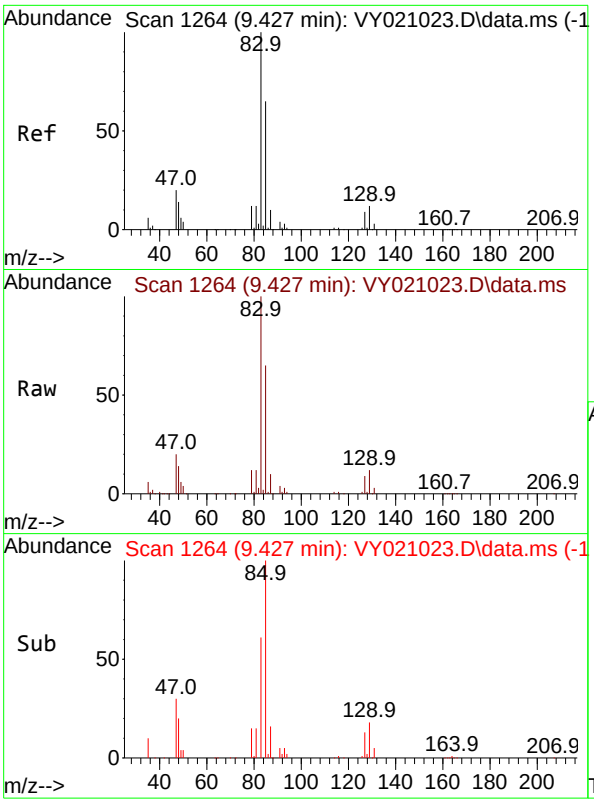



#46
Dibromomethane
Concen: 55.001 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 93 Resp: 51734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.0 | 65.8 | 98.8 |
| 174 | 100.9 | 88.1 | 132.1 |

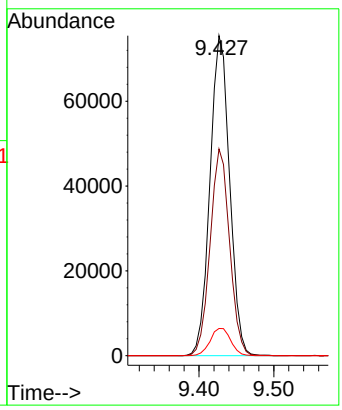





#47
Bromodichloromethane
Concen: 55.807 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 13785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 49.6 | 74.4 |
| 127 | 8.5 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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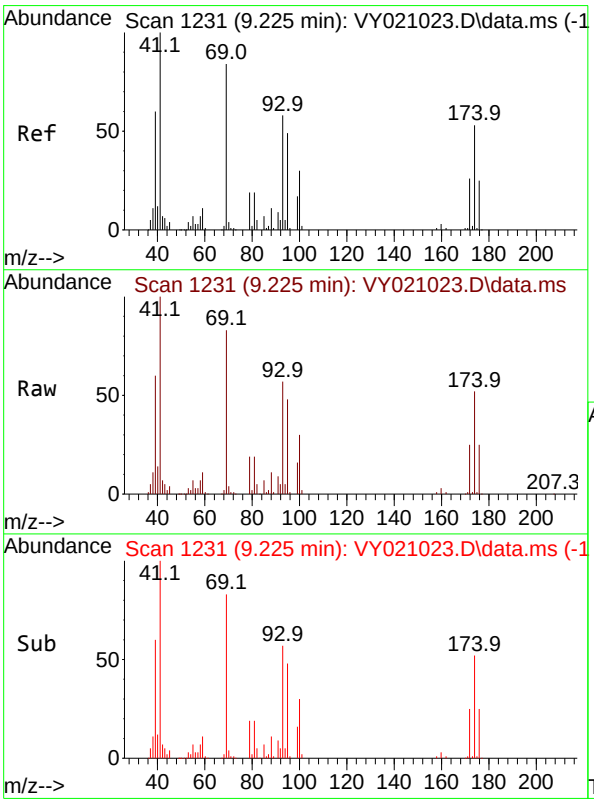
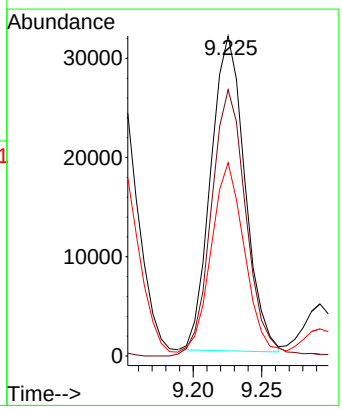
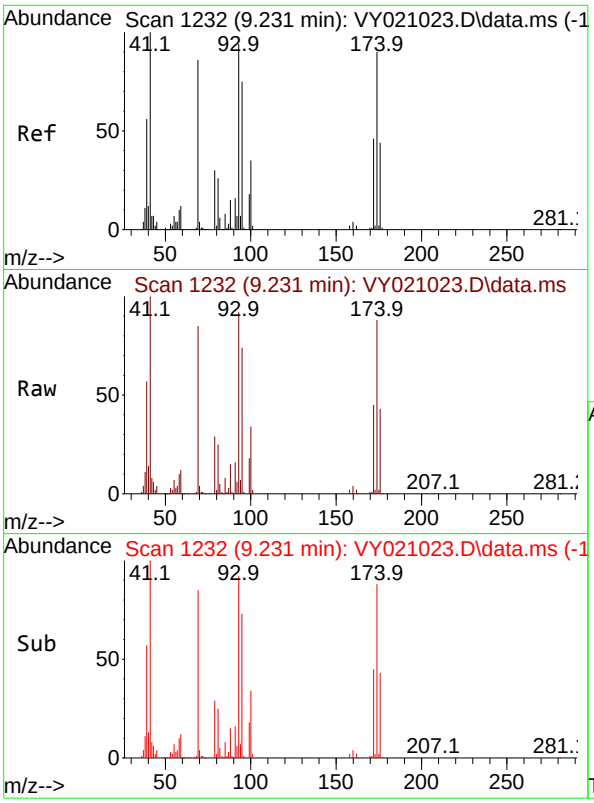



#48
Methyl methacrylate
Concen: 63.113 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 54848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 87.0 | 75.6 | 113.4 |
| 39 | 58.6 | 41.3 | 61.9 |






#49
1,4-Dioxane
Concen: 1003.514 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 88 Resp: 1003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.4 | 24.2 | 36.4 |
| 58 | 67.0 | 57.3 | 85.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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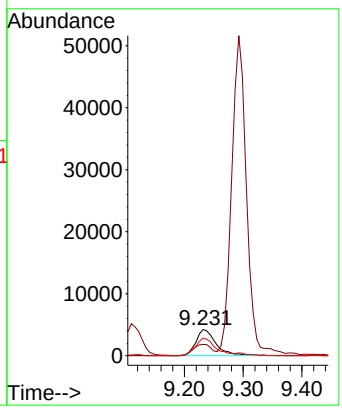
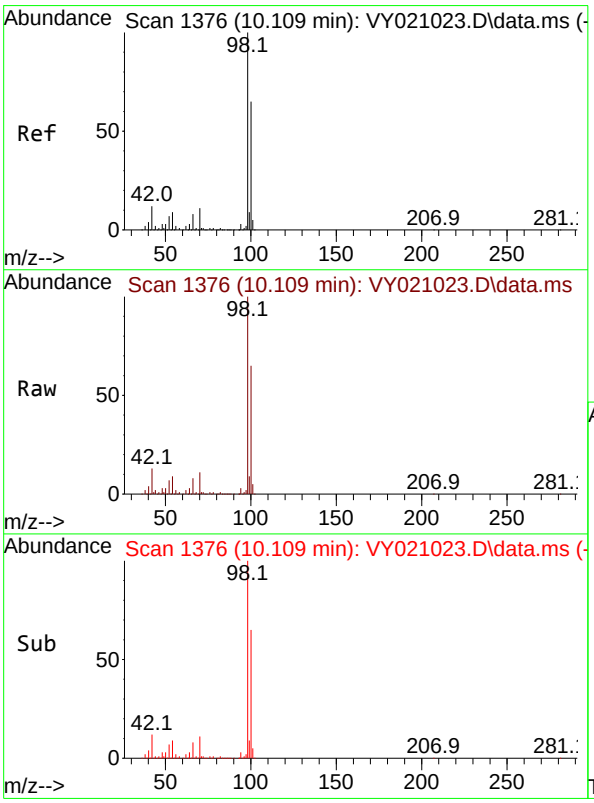
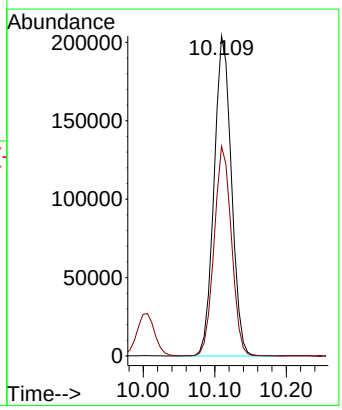


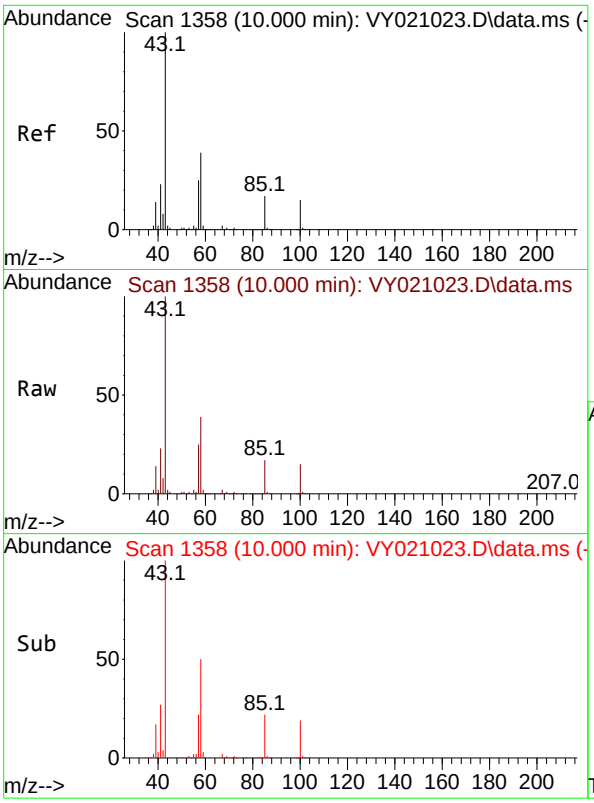




#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 98 Resp: 343592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 52.6 | 79.0 |

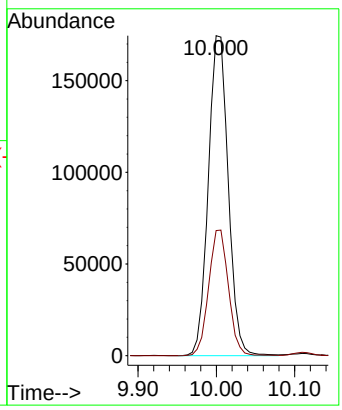





#51
4-Methyl-2-Pentanone
Concen: 329.038 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 30861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.0 | 33.8 | 50.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

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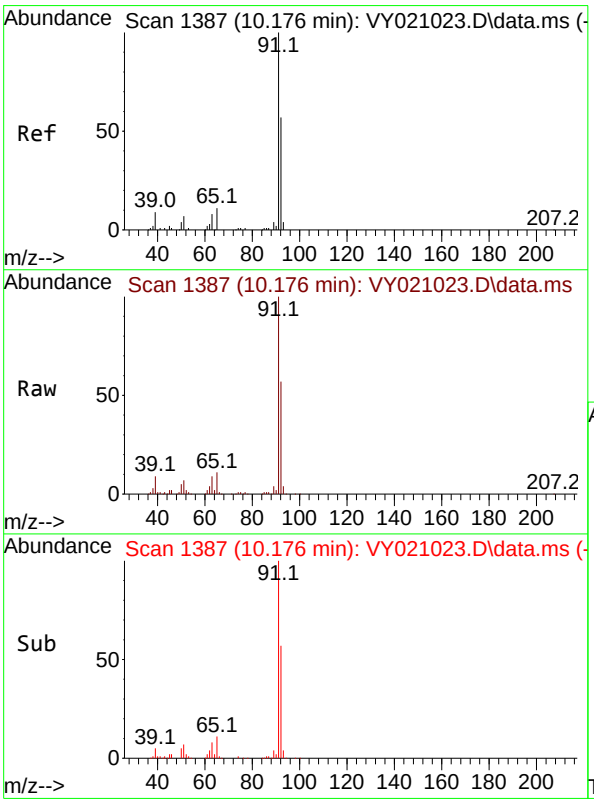
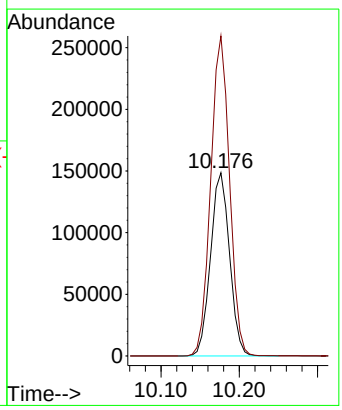
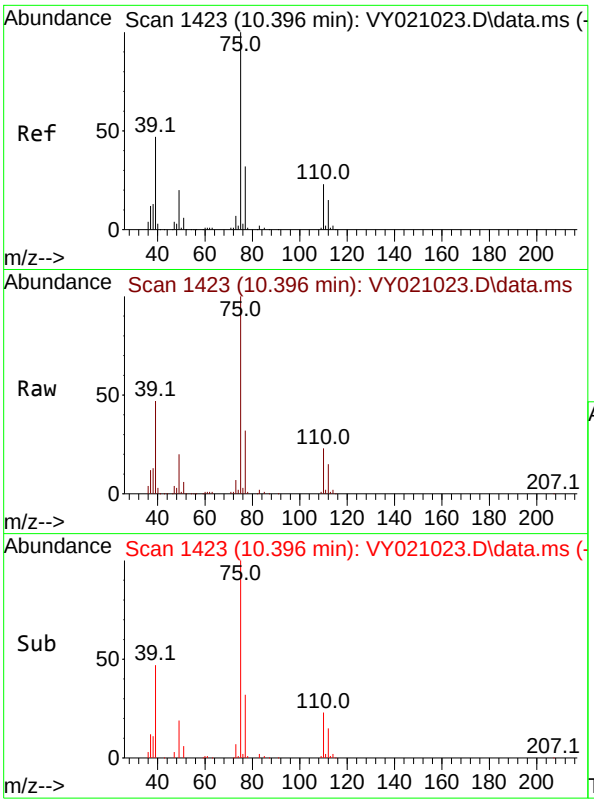



#52
Toluene
Concen: 53.469 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 92 Resp: 250280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.3 | 135.8 | 203.8 |

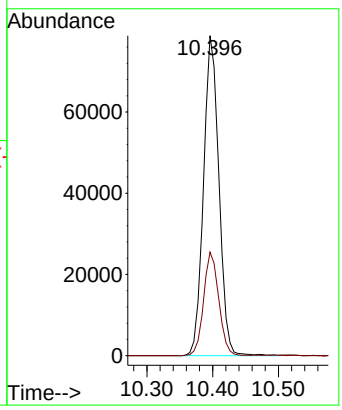





#53
t-1,3-Dichloropropene
Concen: 57.403 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 12831

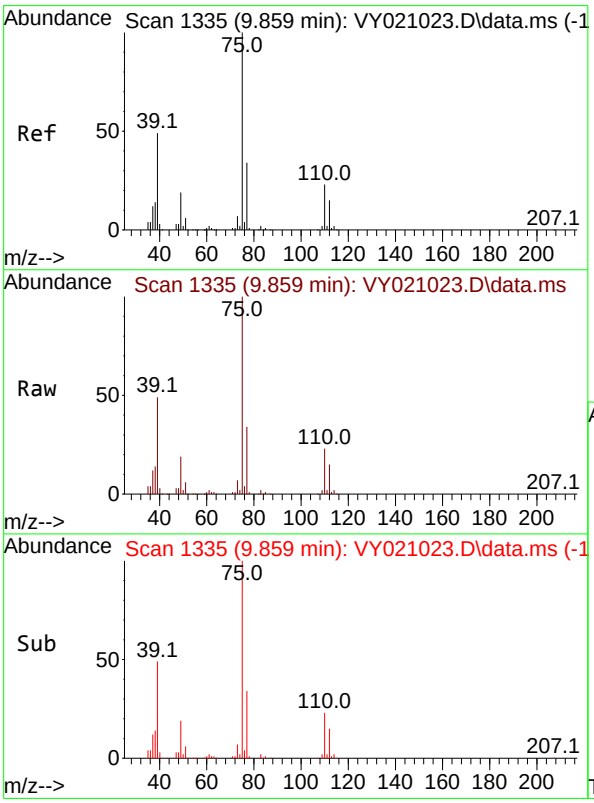
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

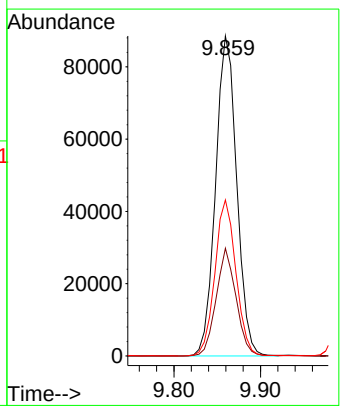
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

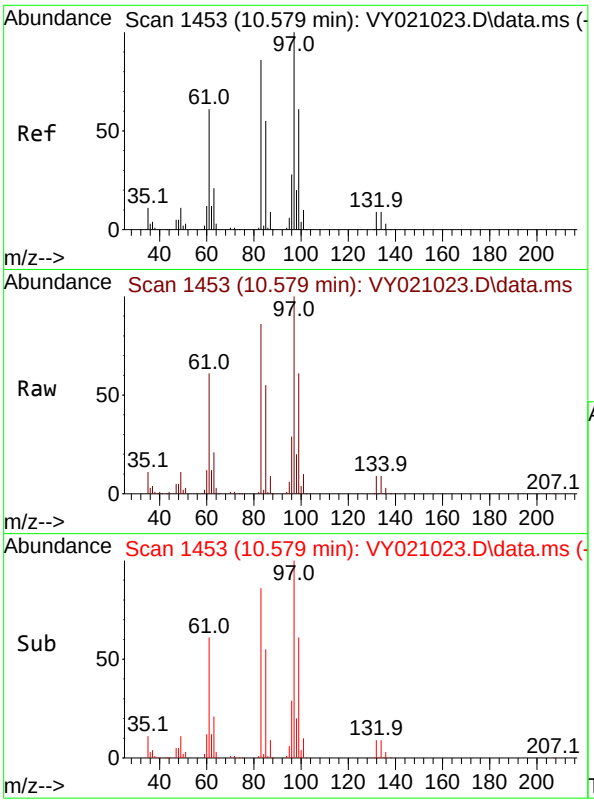



#54
cis-1,3-Dichloropropene
Concen: 56.133 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 149965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.7 | 25.4 | 38.0 |
| 39 | 48.7 | 32.2 | 48.2# |

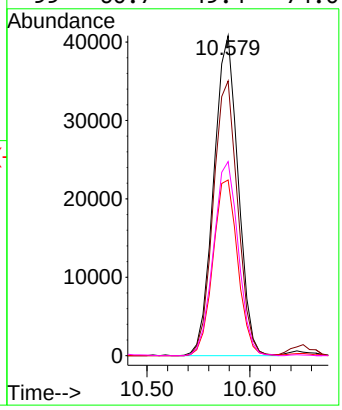





#55
1,1,2-Trichloroethane
Concen: 53.761 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 97 Resp: 6724

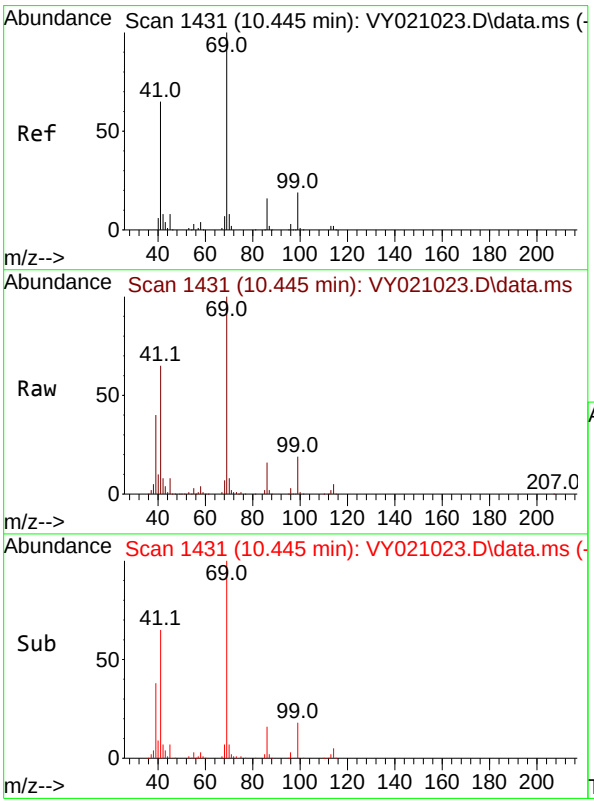
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.8 | 67.7 | 101.5 |
| 85 | 54.9 | 43.4 | 65.2 |
| 99 | 60.7 | 49.4 | 74.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

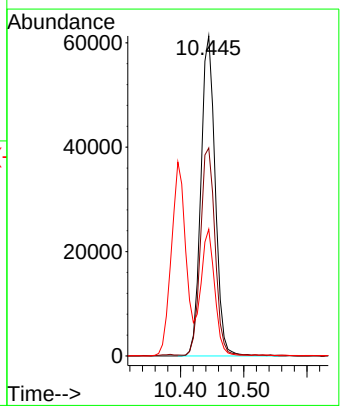
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

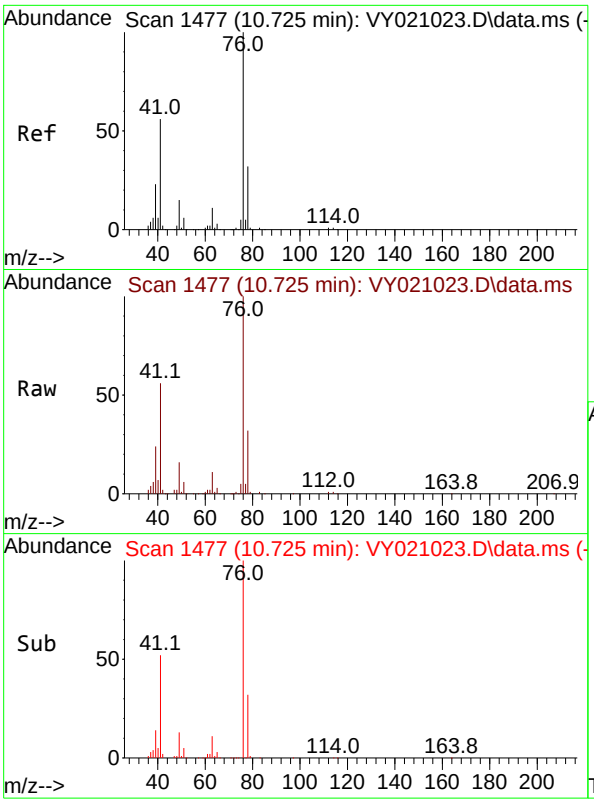



#56
Ethyl methacrylate
Concen: 59.067 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 69 Resp: 96579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 65.9 | 46.3 | 69.5 |
| 39 | 38.2 | 24.5 | 36.7# |

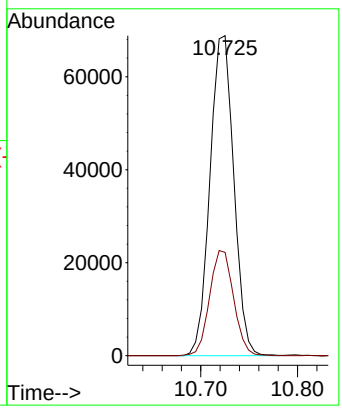





#57
1,3-Dichloropropane
Concen: 55.483 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 76 Resp: 11763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.1 | 25.8 | 38.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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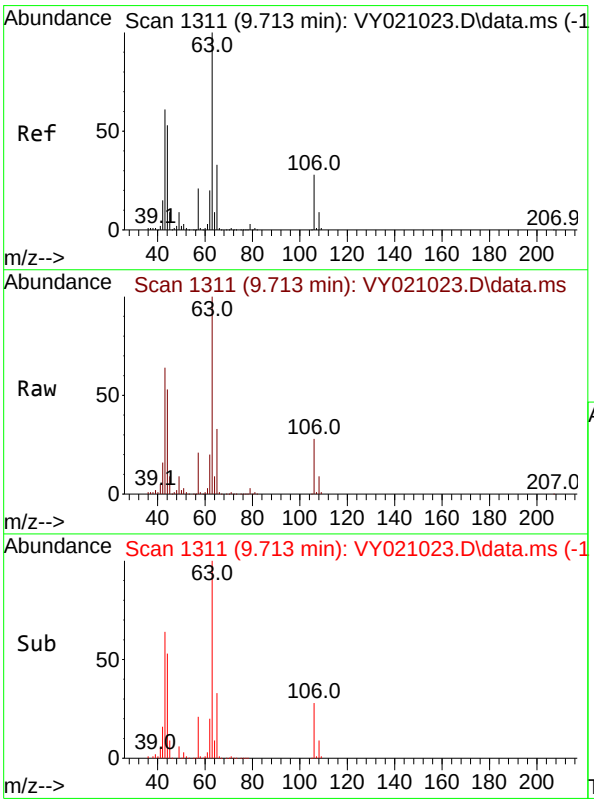
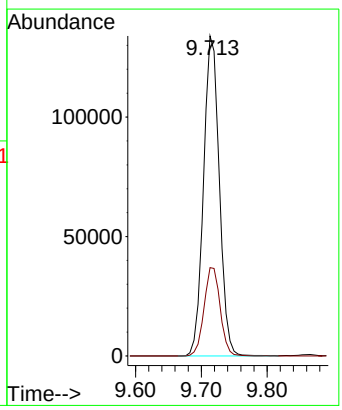
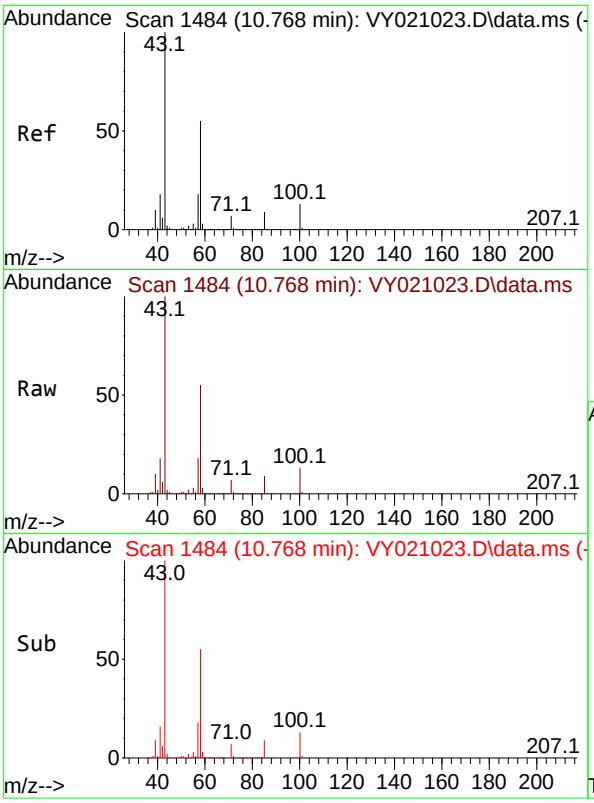



#58
2-Chloroethyl Vinyl ether
Concen: 322.966 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 224134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.1 | 24.7 | 37.1 |






#59
2-Hexanone
Concen: 336.612 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 20521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.8 | 29.8 | 89.3 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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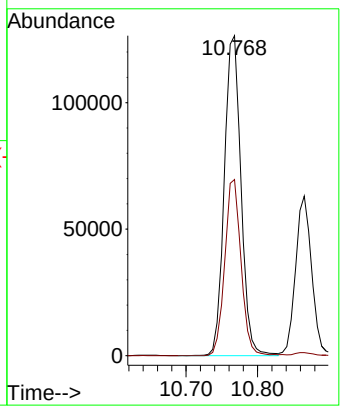
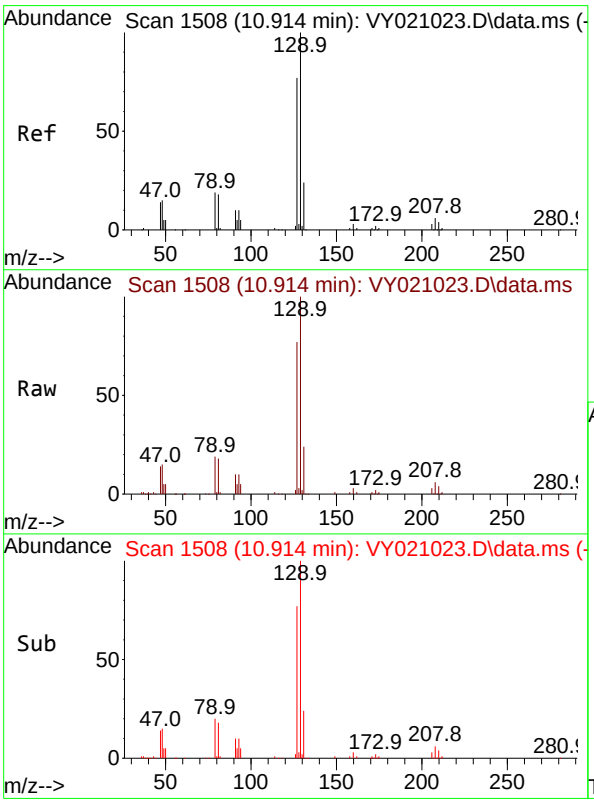
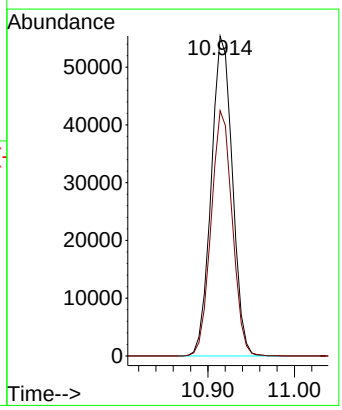


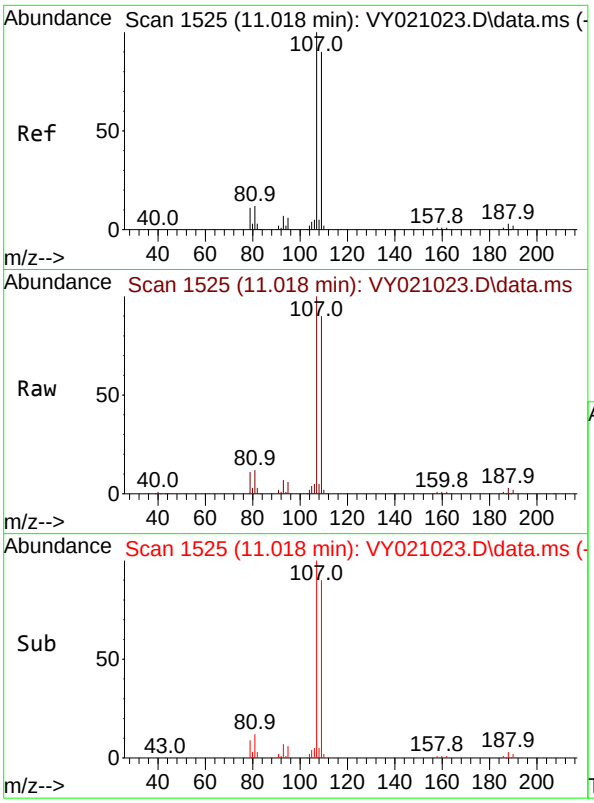




#60
Dibromochloromethane
Concen: 52.680 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:129 Resp: 93957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.6 | 38.5 | 115.3 |

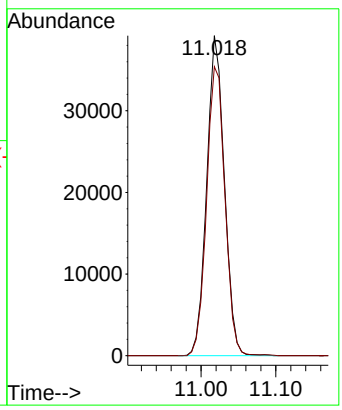





#61
1,2-Dibromoethane
Concen: 53.845 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:107 Resp: 6433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 76.6 | 114.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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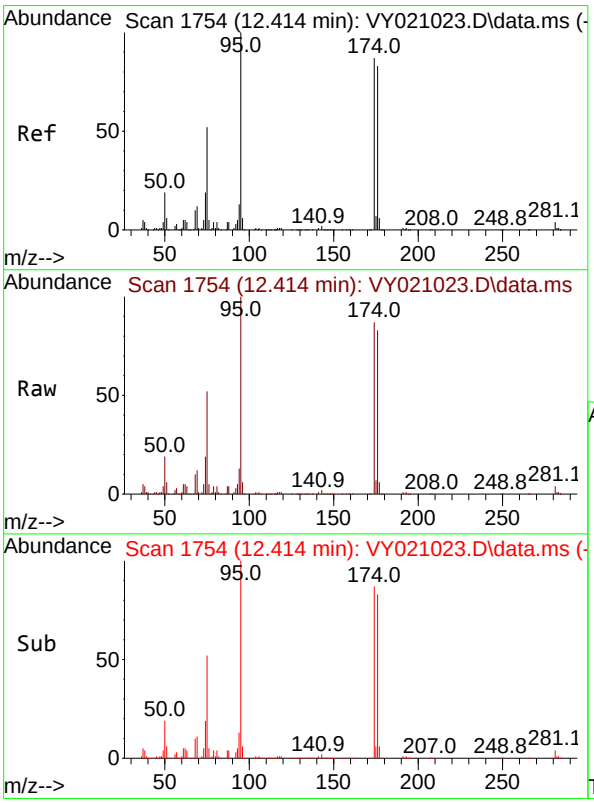
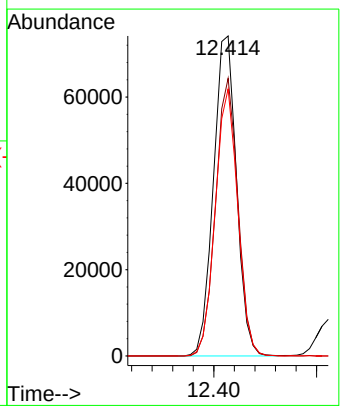
Supervised By :Semsettin Yesilyurt 02/04/2025

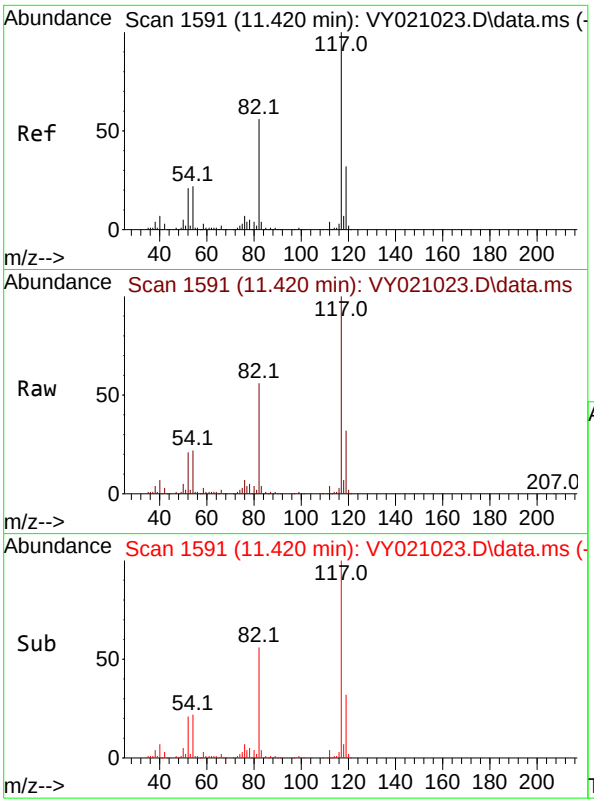



#62
4-Bromofluorobenzene
Concen: 51.200 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 95 Resp: 115197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.2 | 0.0 | 181.2 |
| 176 | 81.5 | 0.0 | 175.2 |

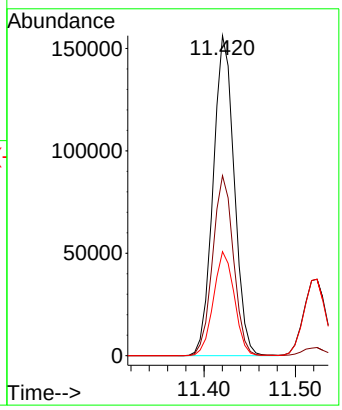





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 25015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 44.2 | 66.2 |
| 119 | 32.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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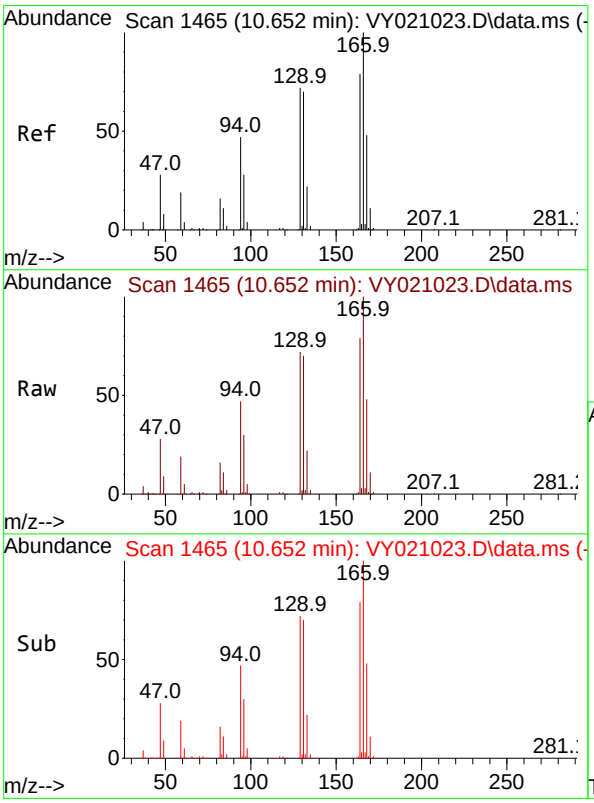
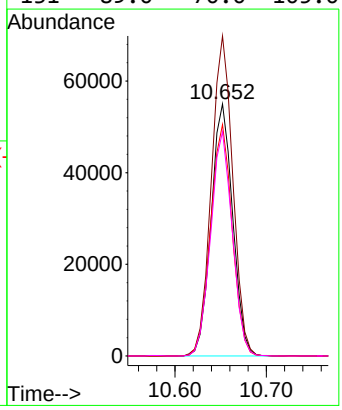
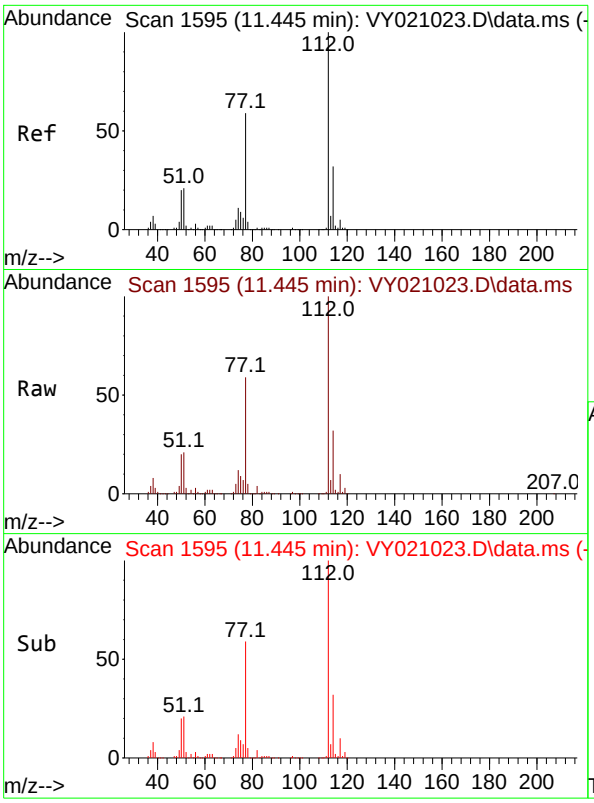



#64
Tetrachloroethene
Concen: 47.817 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:164 Resp: 90228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.0 | 100.4 | 150.6 |
| 129 | 91.8 | 70.8 | 106.2 |
| 131 | 89.0 | 70.0 | 105.0 |

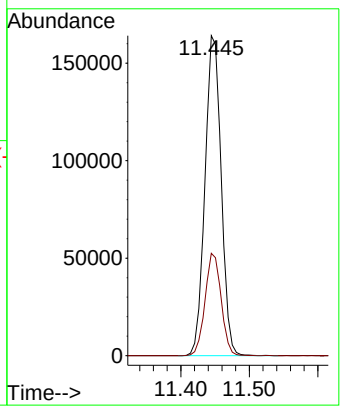





#65
Chlorobenzene
Concen: 51.263 ug/l
RT: 11.445 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:112 Resp: 27017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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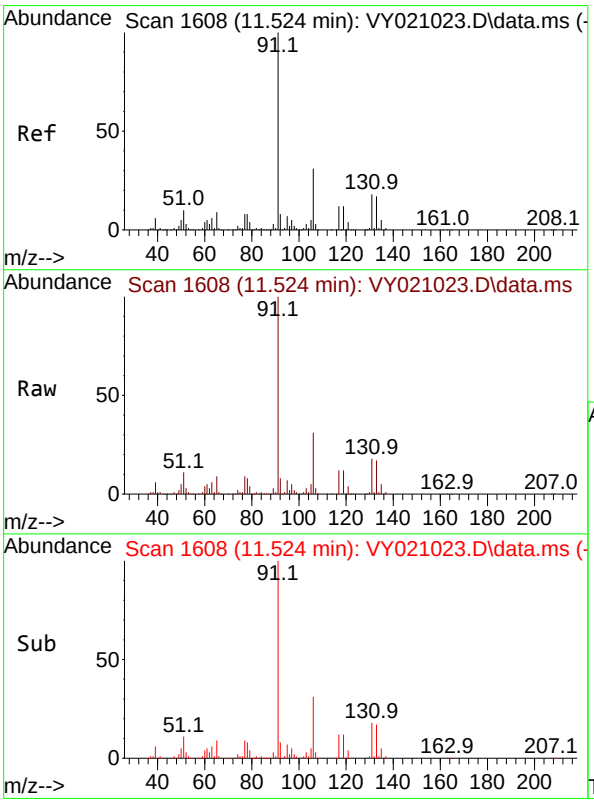
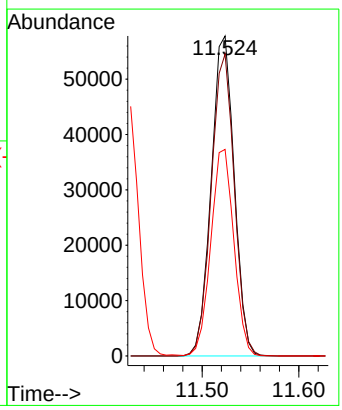
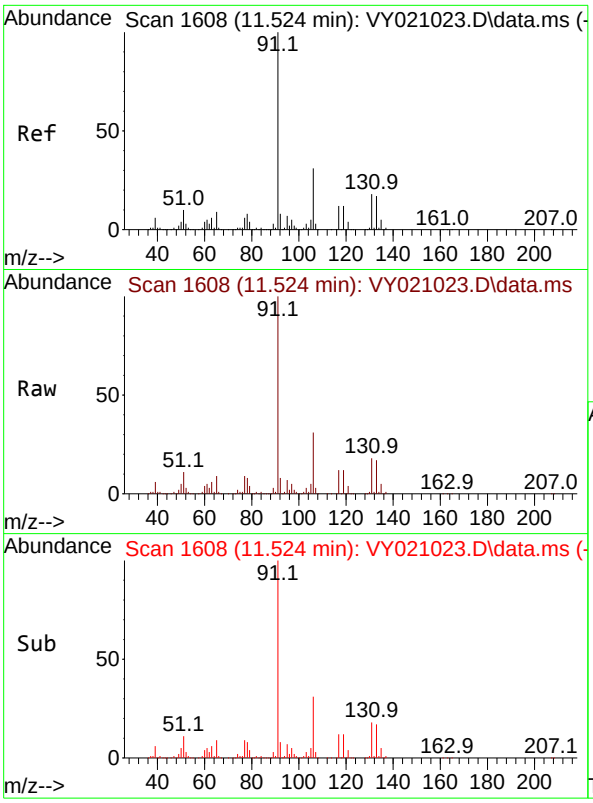



#66
1,1,1,2-Tetrachloroethane
Concen: 51.137 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:131 Resp: 95653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.4 | 48.7 | 146.1 |
| 119 | 64.7 | 31.4 | 94.3 |

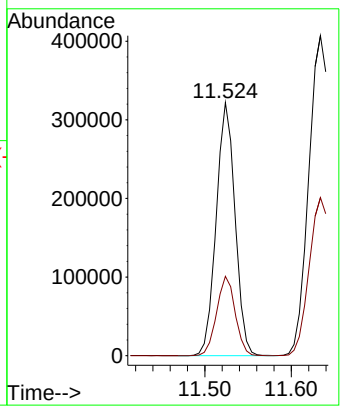





#67
Ethyl Benzene
Concen: 53.265 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 48605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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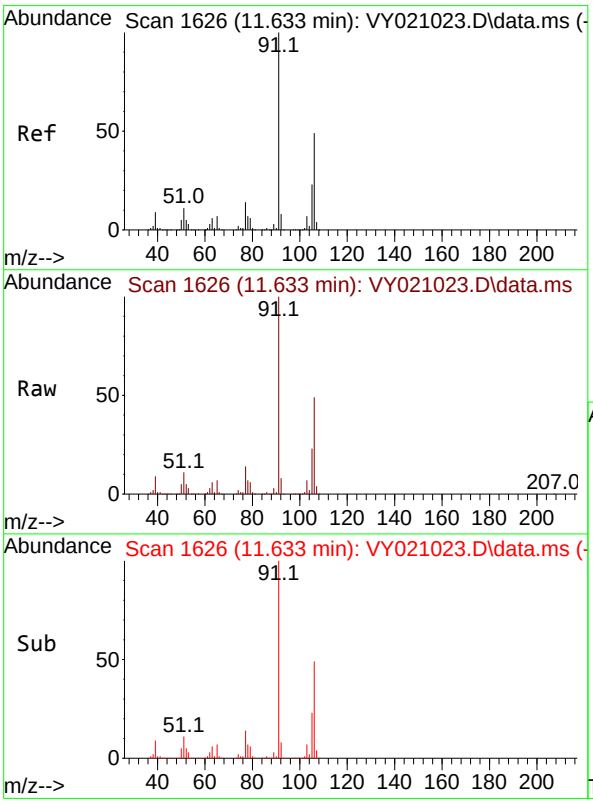
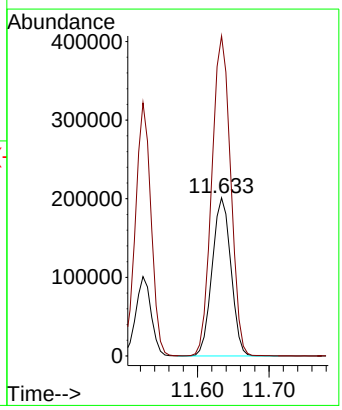
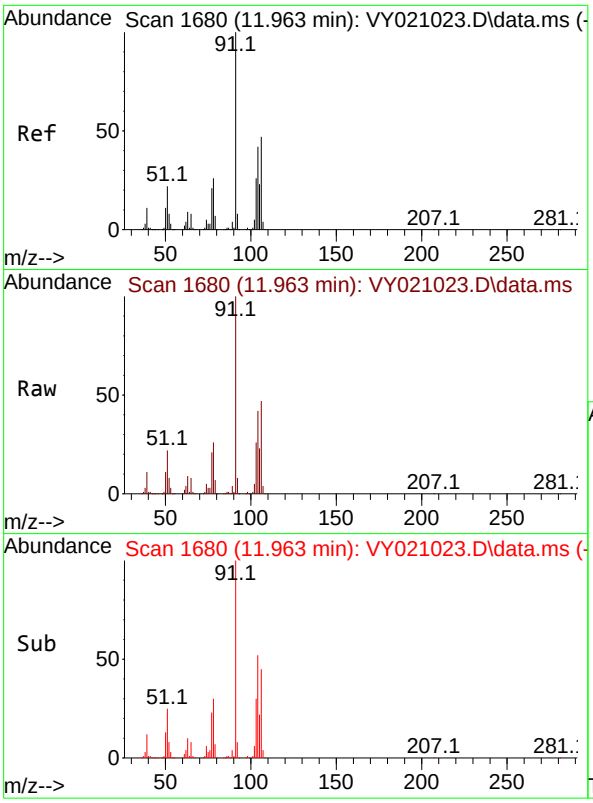



#68
m/p-Xylenes
Concen: 104.538 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:106 Resp: 366509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.4 | 160.0 | 240.0 |

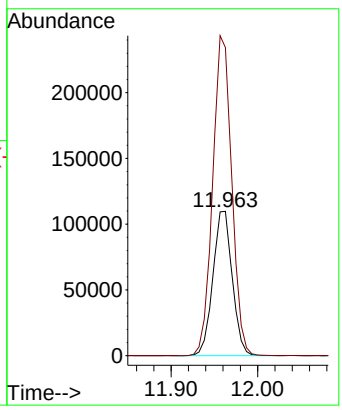





#69
o-Xylene
Concen: 52.229 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:106 Resp: 17022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.8 | 105.8 | 317.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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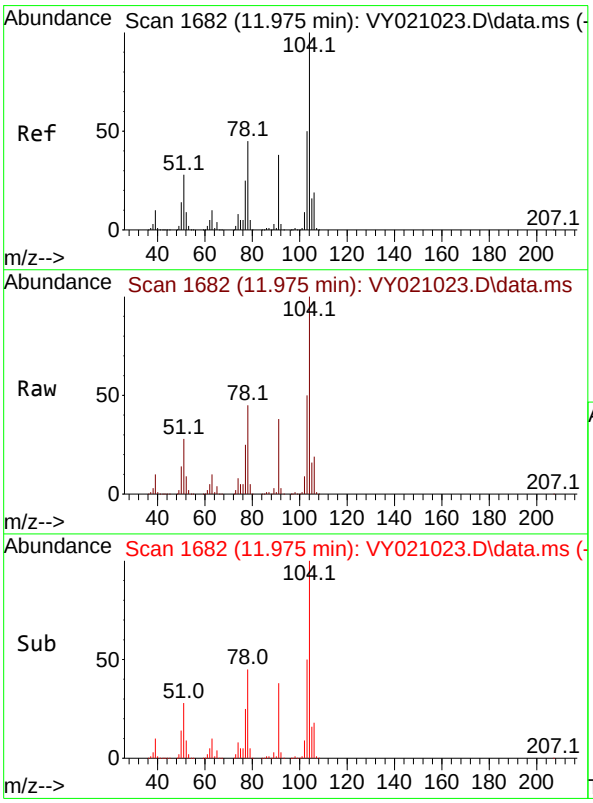
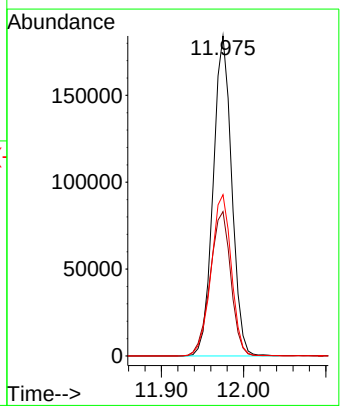
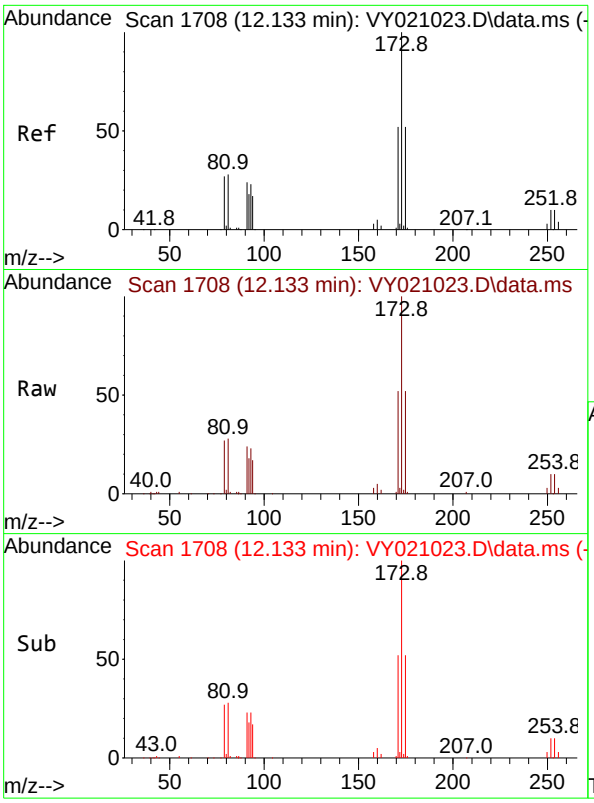



#70
Styrene
Concen: 53.426 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:104 Resp: 289102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.6 | 39.0 | 58.4 |
| 103 | 55.0 | 43.7 | 65.5 |

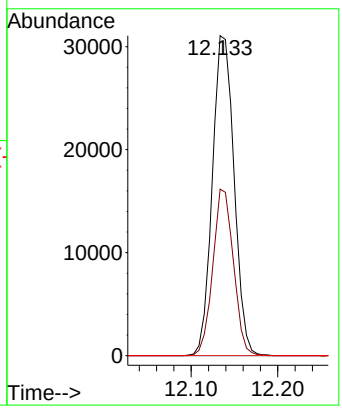





#71
Bromoform
Concen: 49.101 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:173 Resp: 5413

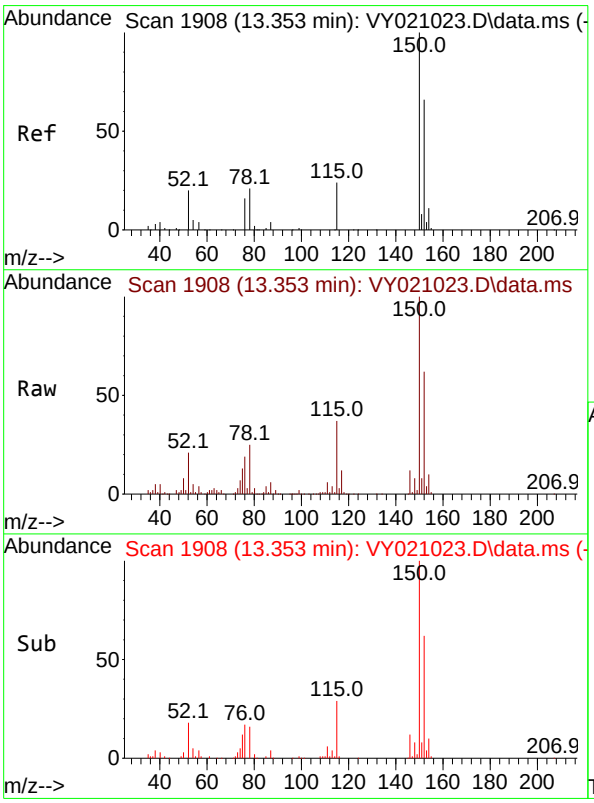
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.5 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

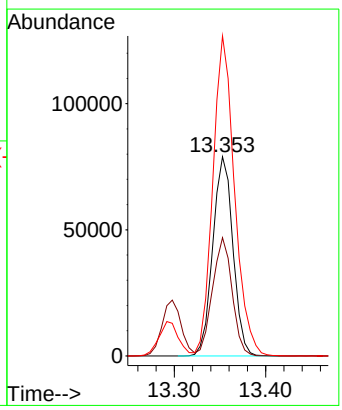
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

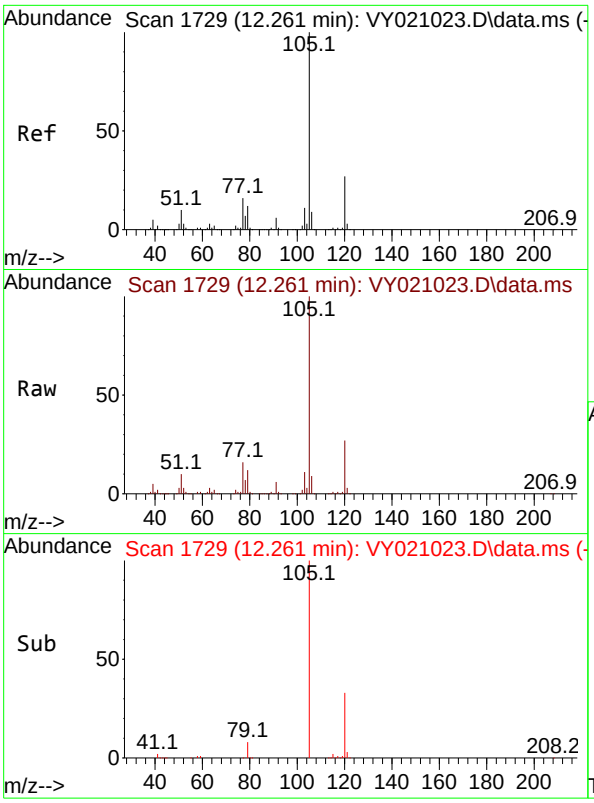



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:152 Resp: 121069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.9 | 28.4 | 85.2 |
| 150 | 172.6 | 0.0 | 342.8 |

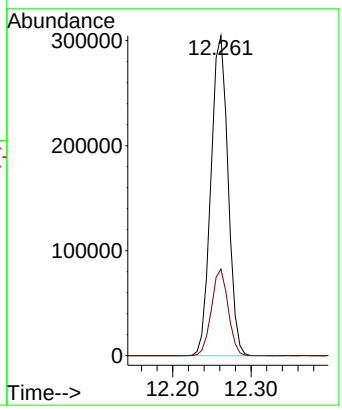





#73
Isopropylbenzene
Concen: 54.240 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 46119

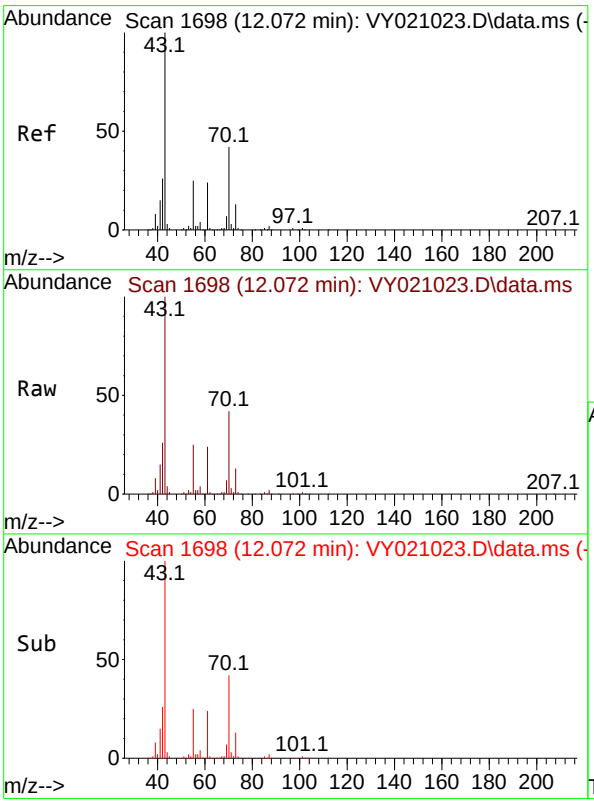
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.4 | 40.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

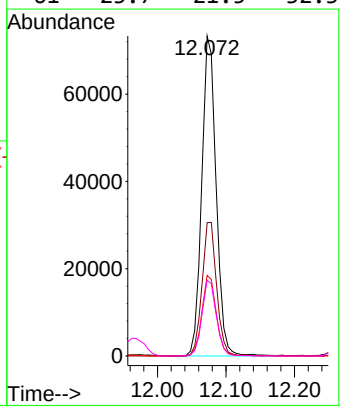
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

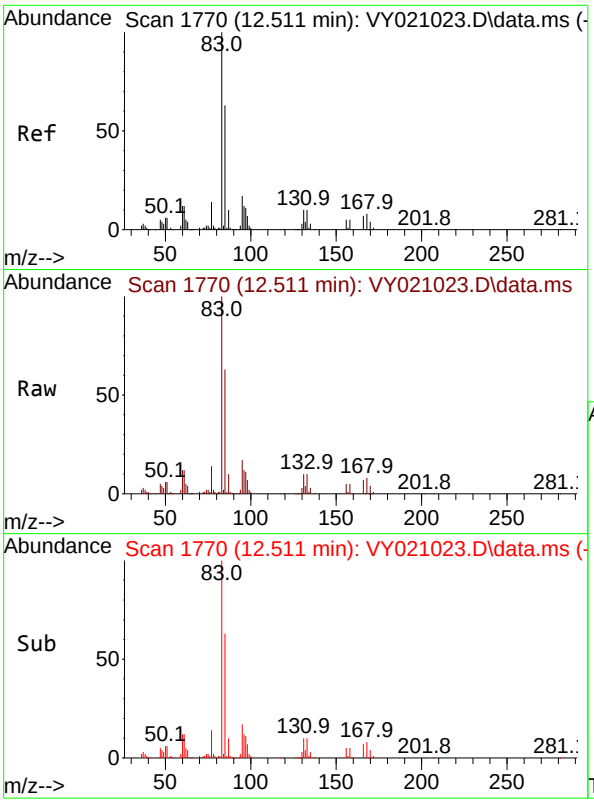



#74
N-amyl acetate
Concen: 69.346 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 107371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.3 | 39.3 | 58.9 |
| 55 | 25.3 | 22.3 | 33.5 |
| 61 | 23.7 | 21.5 | 32.3 |

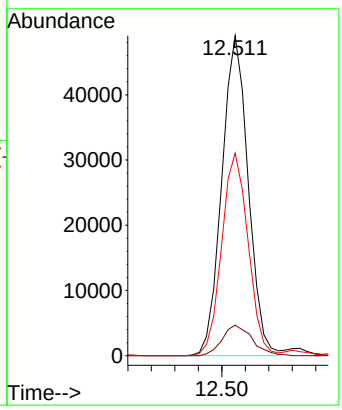





#75
1,1,2,2-Tetrachloroethane
Concen: 55.736 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 7650

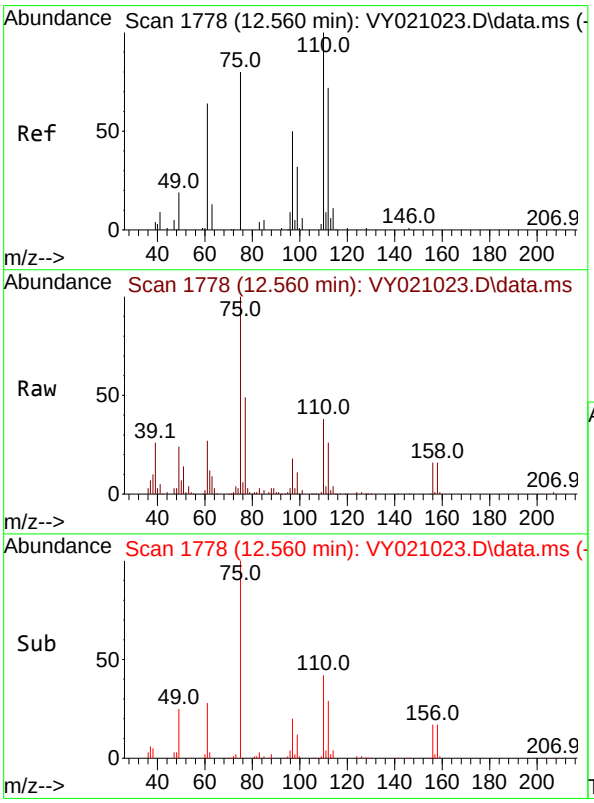
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 5.7 | 17.1 |
| 85 | 63.4 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

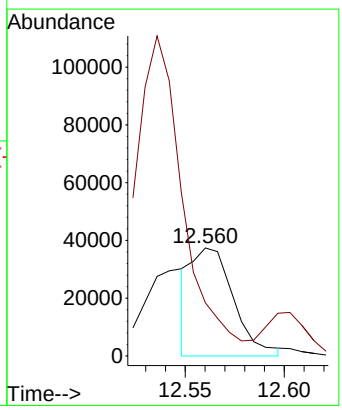
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

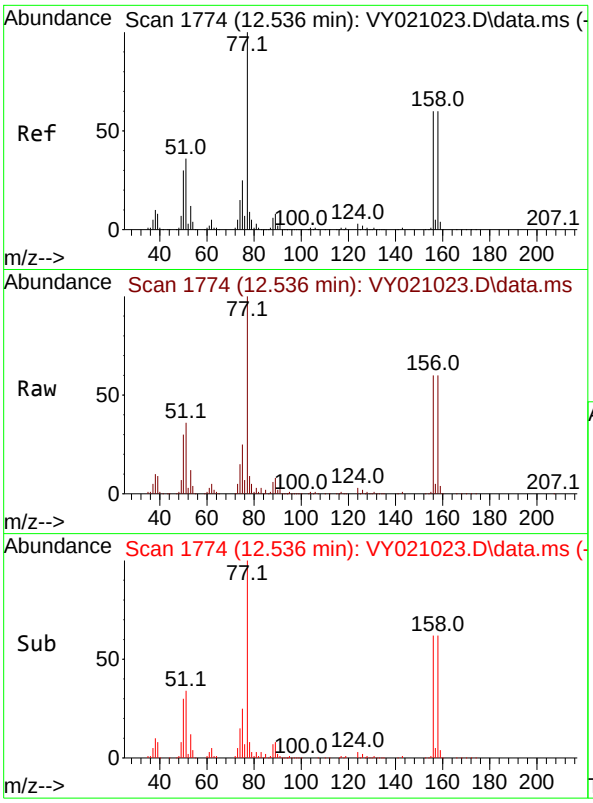



#76
1,2,3-Trichloropropane
Concen: 58.330 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 55904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

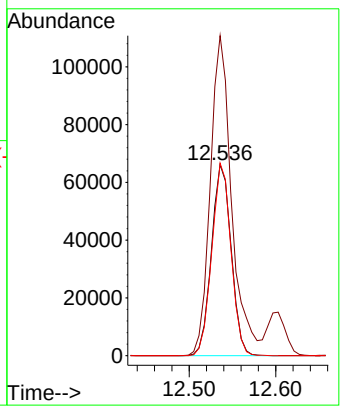





#77
Bromobenzene
Concen: 51.889 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:156 Resp: 10460

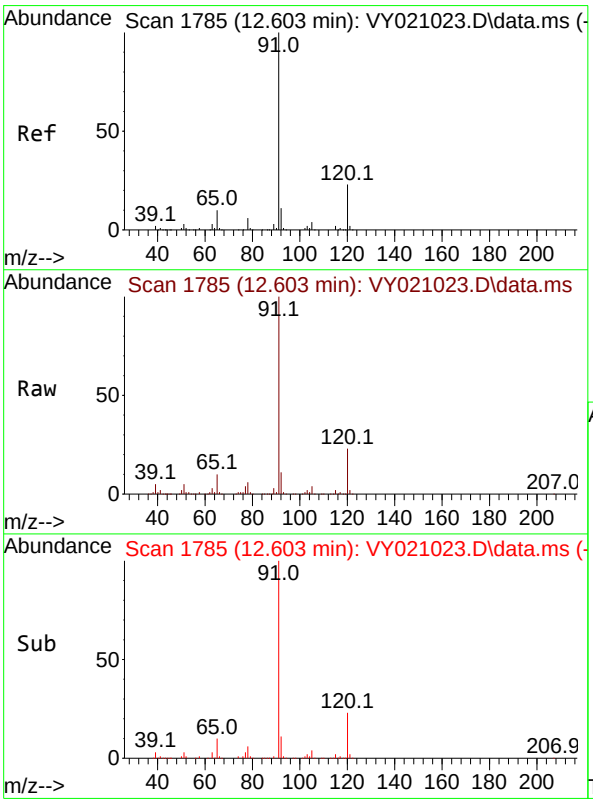
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 180.1 | 83.3 | 249.9 |
| 158 | 97.9 | 48.3 | 144.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

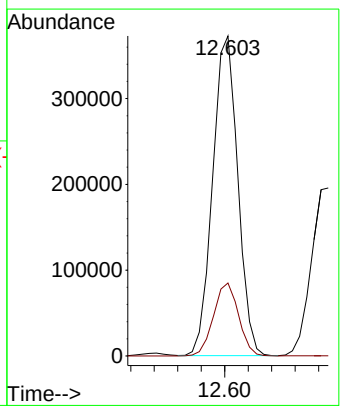
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

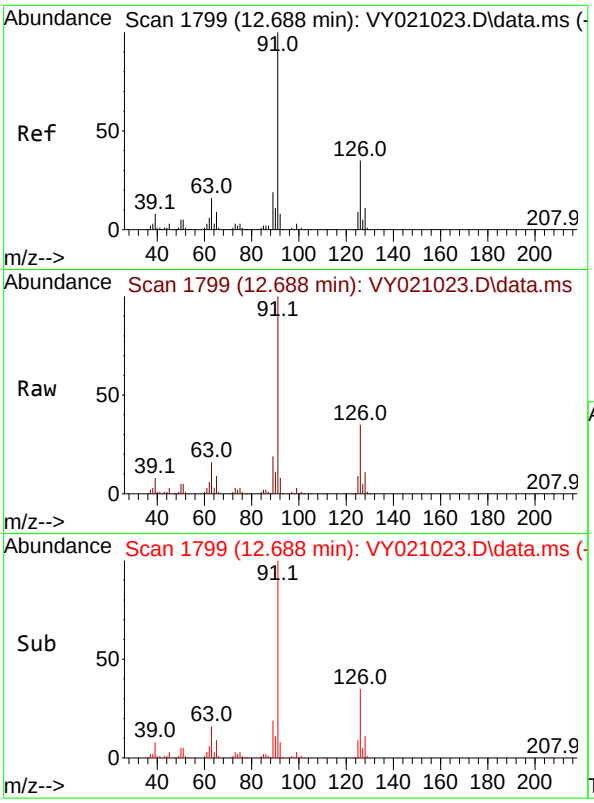



#78
n-propylbenzene
Concen: 55.653 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 554600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.8 | 35.4 |

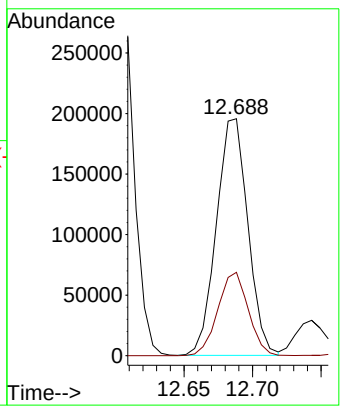





#79
2-Chlorotoluene
Concen: 55.113 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 31291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 17.3 | 51.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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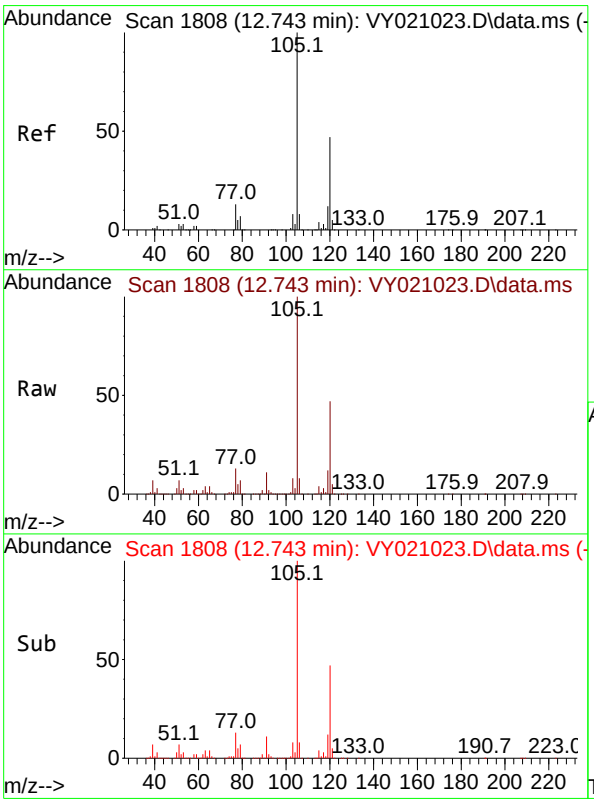
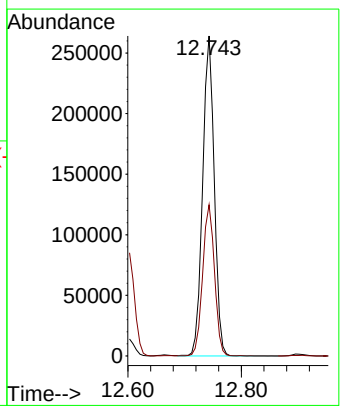
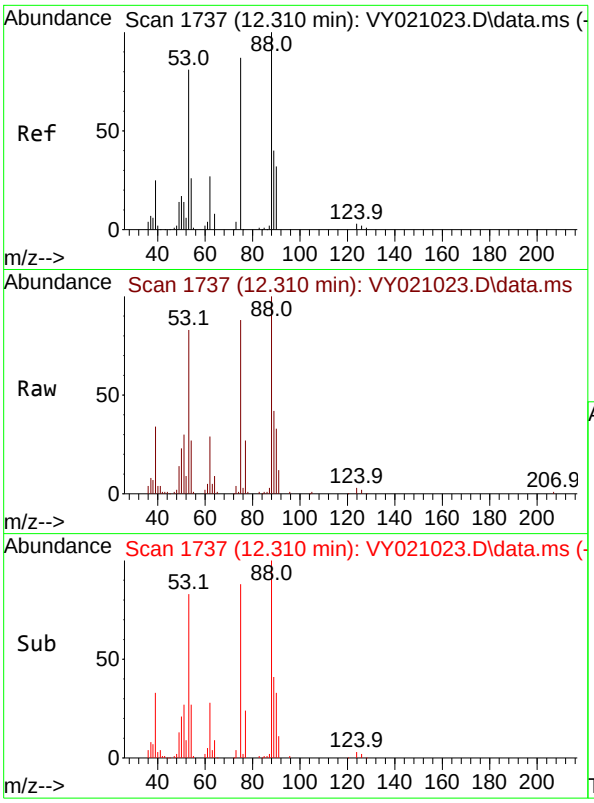



#80
1,3,5-Trimethylbenzene
Concen: 54.032 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 376397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 24.3 | 72.9 |






#81
trans-1,4-Dichloro-2-butene
Concen: 58.386 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 2695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 97.9 | 68.6 | 103.0 |
| 89 | 47.7 | 38.1 | 57.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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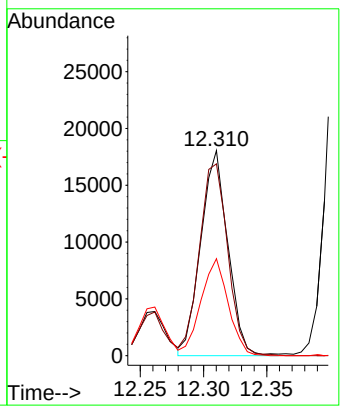
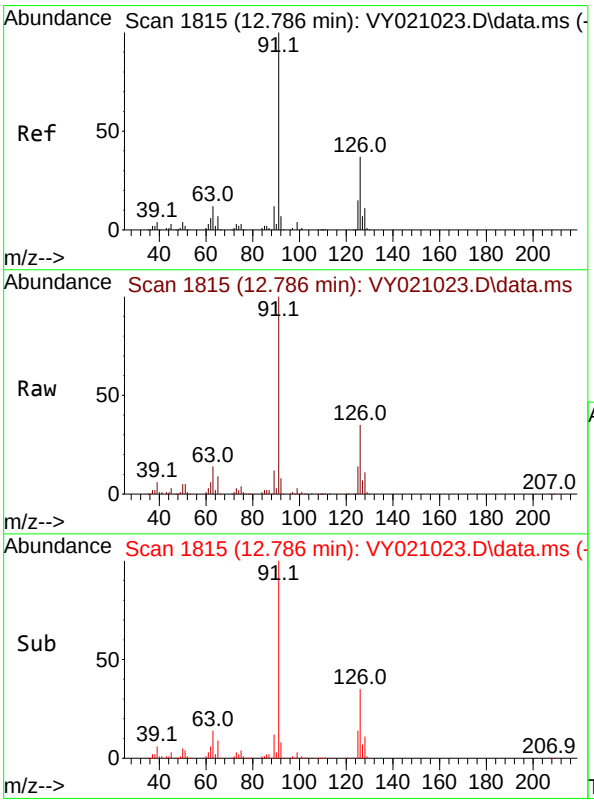
Supervised By :Semsettin Yesilyurt 02/04/2025

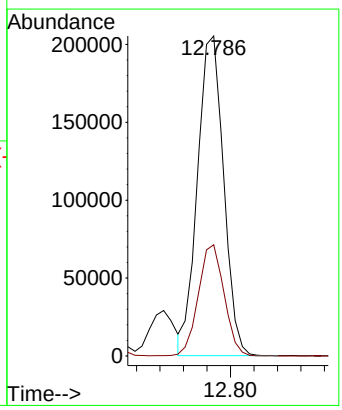


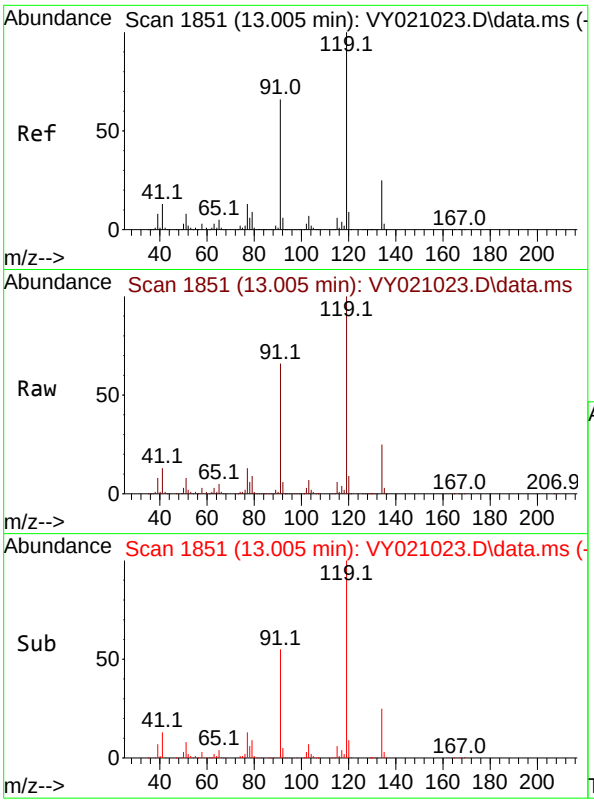




#82
4-Chlorotoluene
Concen: 54.527 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 316855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.4 | 17.3 | 52.0 |

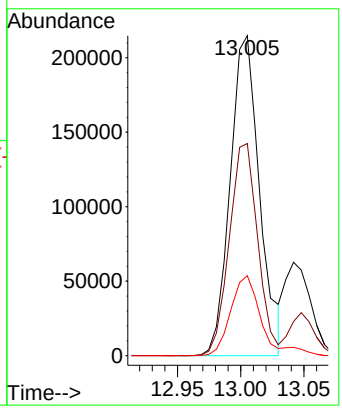





#83
tert-Butylbenzene
Concen: 53.757 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:119 Resp: 34731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.3 | 31.4 | 94.0 |
| 134 | 26.1 | 13.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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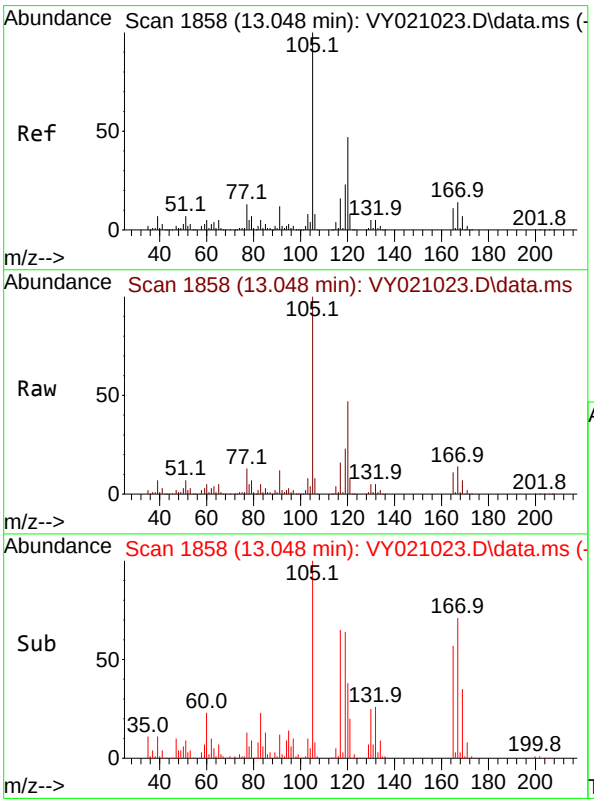
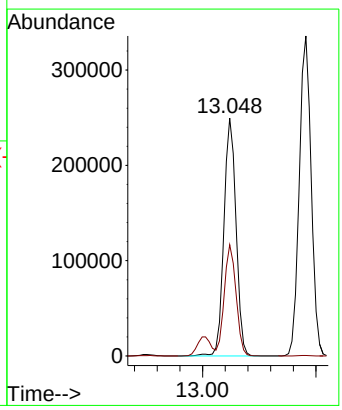
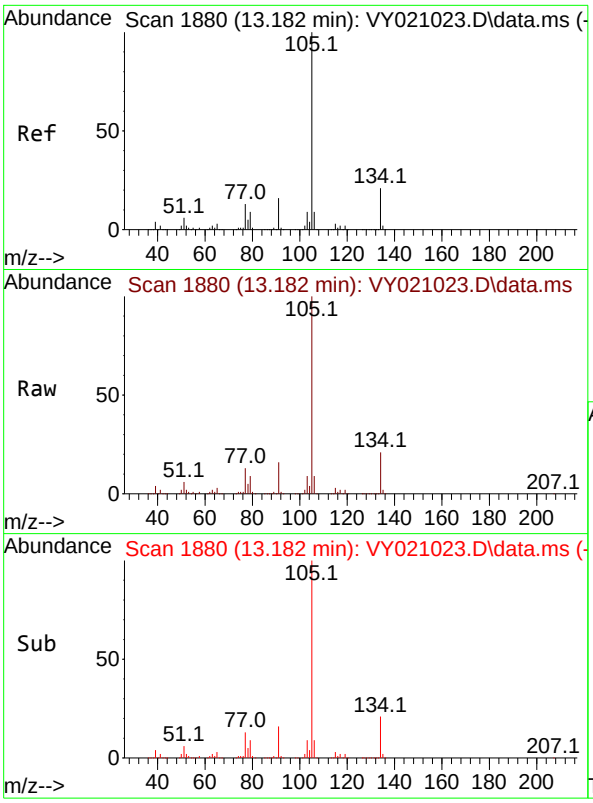



#84
1,2,4-Trimethylbenzene
Concen: 54.433 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 370408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.4 | 22.7 | 68.0 |

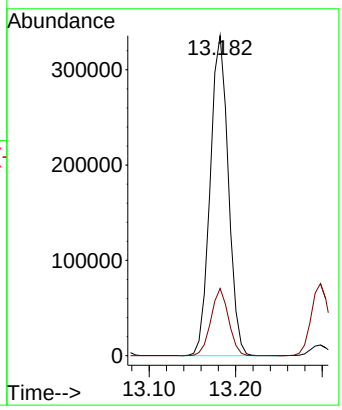





#85
sec-Butylbenzene
Concen: 53.440 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 48882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 10.3 | 30.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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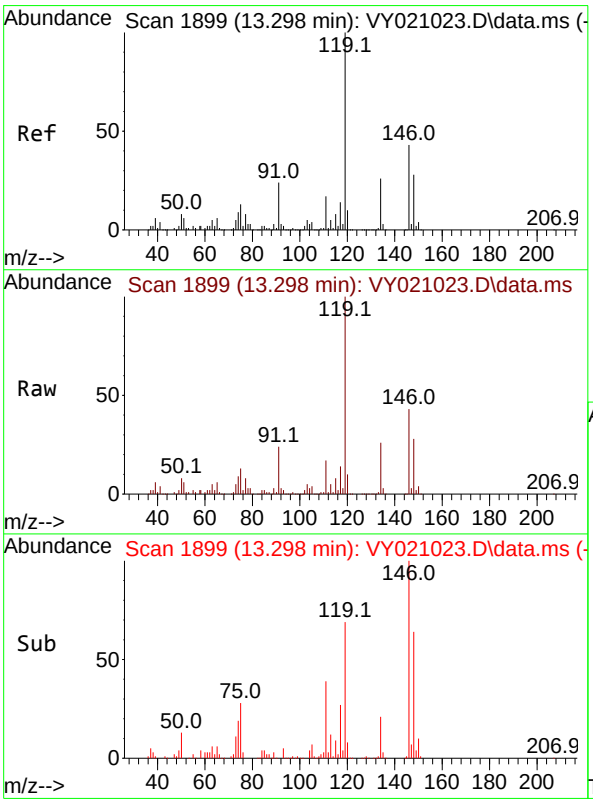
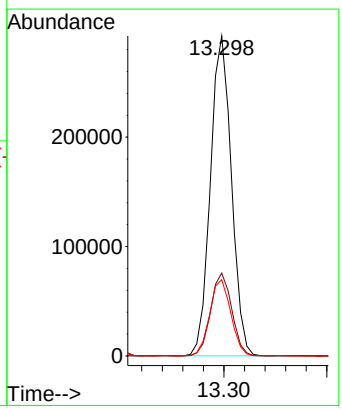
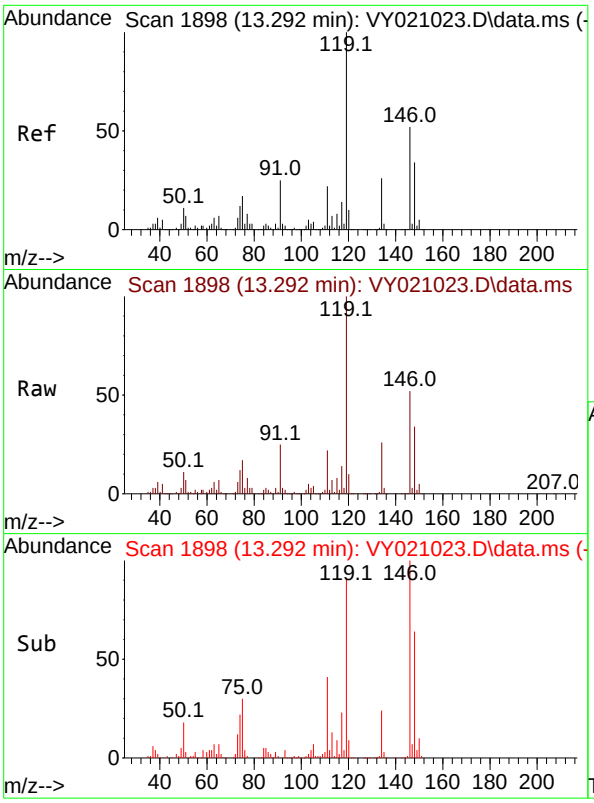



#86
p-Isopropyltoluene
Concen: 53.878 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:119 Resp: 414156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.1 | 39.3 |
| 91 | 24.1 | 11.5 | 34.5 |

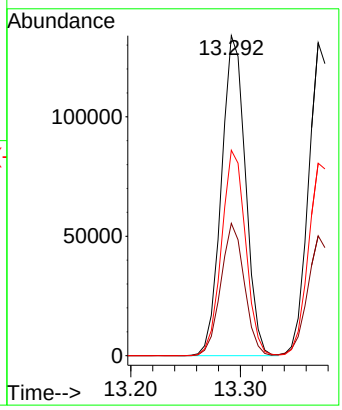





#87
1,3-Dichlorobenzene
Concen: 51.839 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 20376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 19.7 | 59.1 |
| 148 | 64.2 | 32.1 | 96.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

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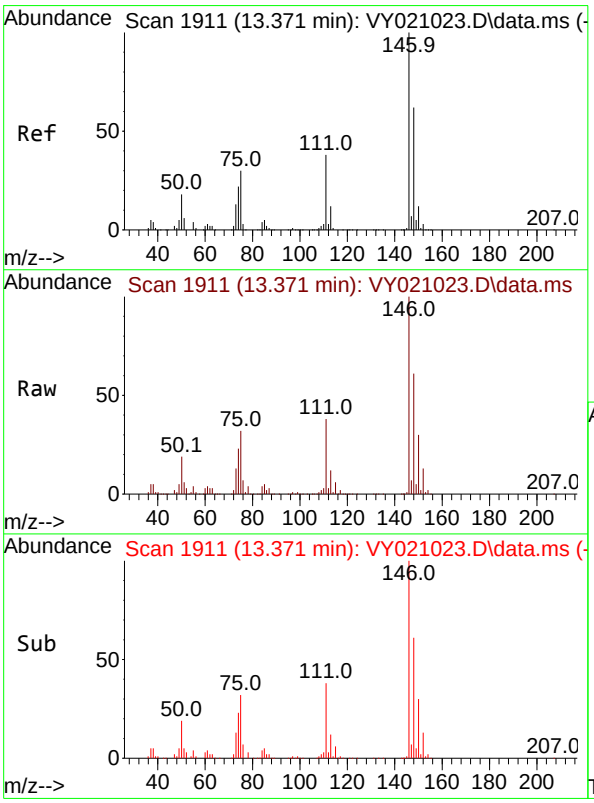
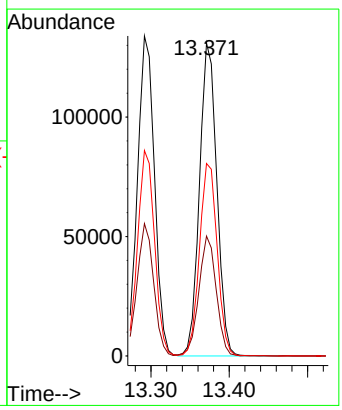
Supervised By :Semsettin Yesilyurt 02/04/2025

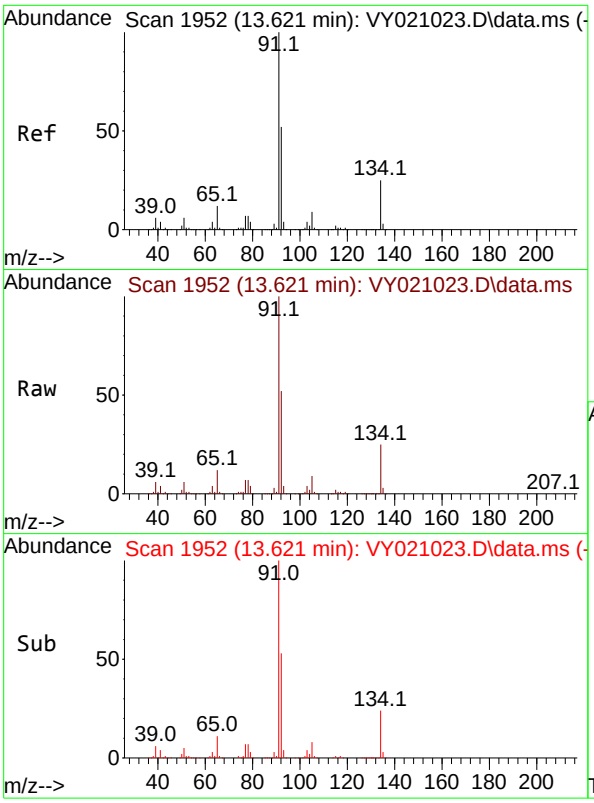



#88
1,4-Dichlorobenzene
Concen: 51.631 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 201529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.4 | 19.0 | 57.0 |
| 148 | 63.1 | 31.6 | 95.0 |

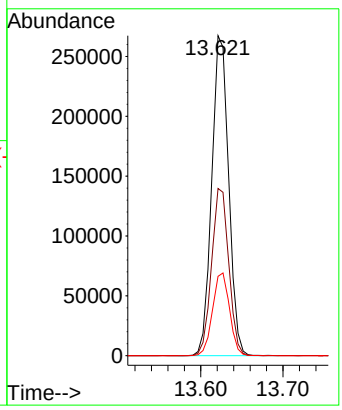





#89
n-Butylbenzene
Concen: 55.439 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 38170

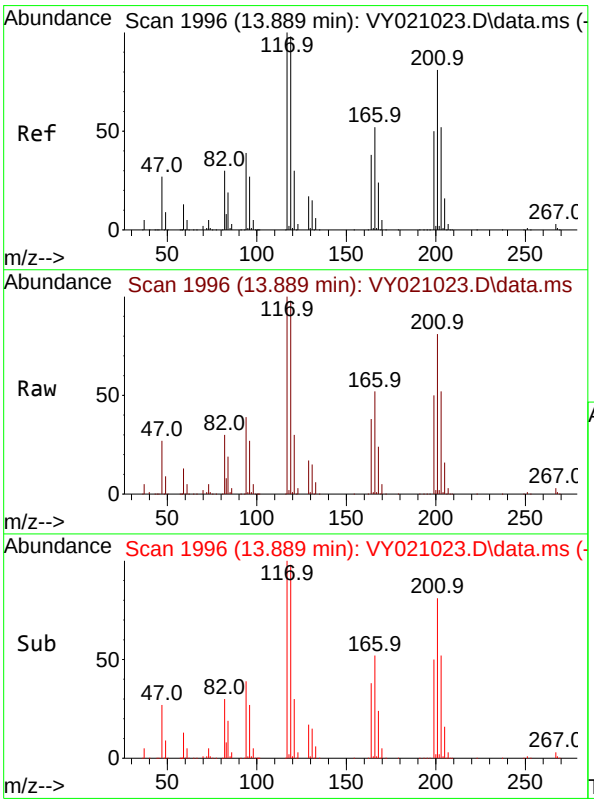
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.7 | 80.1 |
| 134 | 26.1 | 13.7 | 41.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

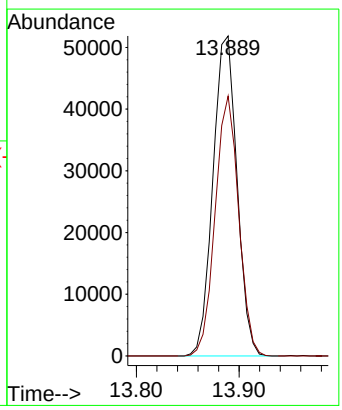
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

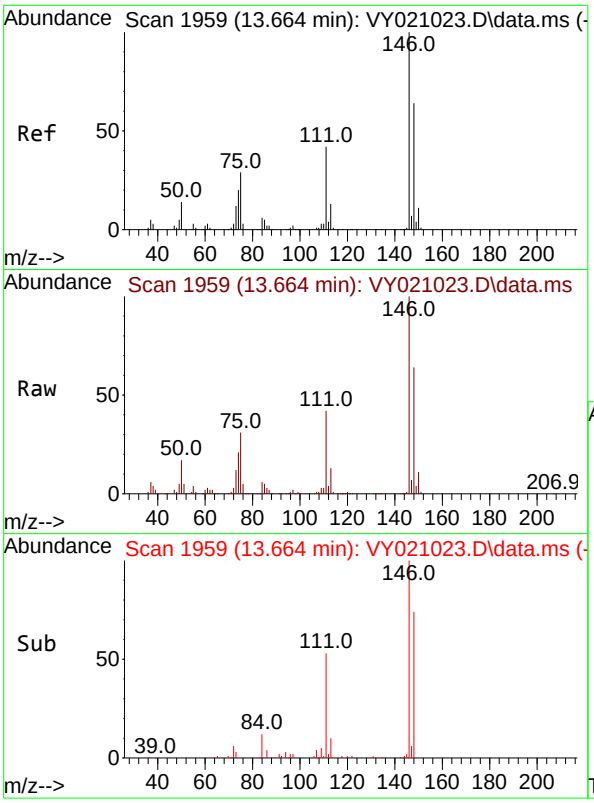



#90
Hexachloroethane
Concen: 54.167 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 84237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 79.2 | 42.5 | 127.5 |

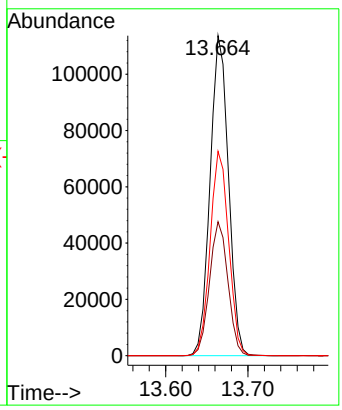





#91
1,2-Dichlorobenzene
Concen: 51.554 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 17671

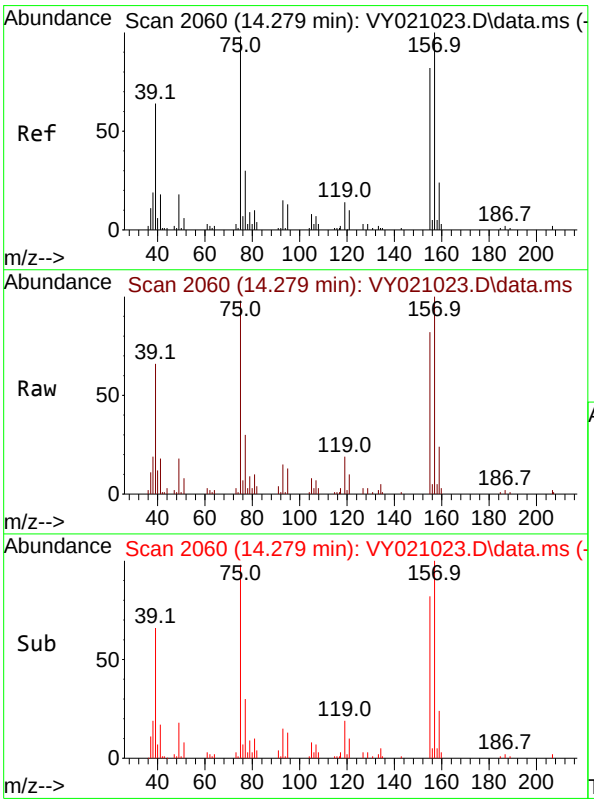
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 20.3 | 60.8 |
| 148 | 64.4 | 32.2 | 96.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

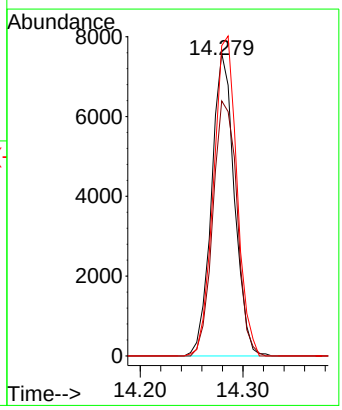
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

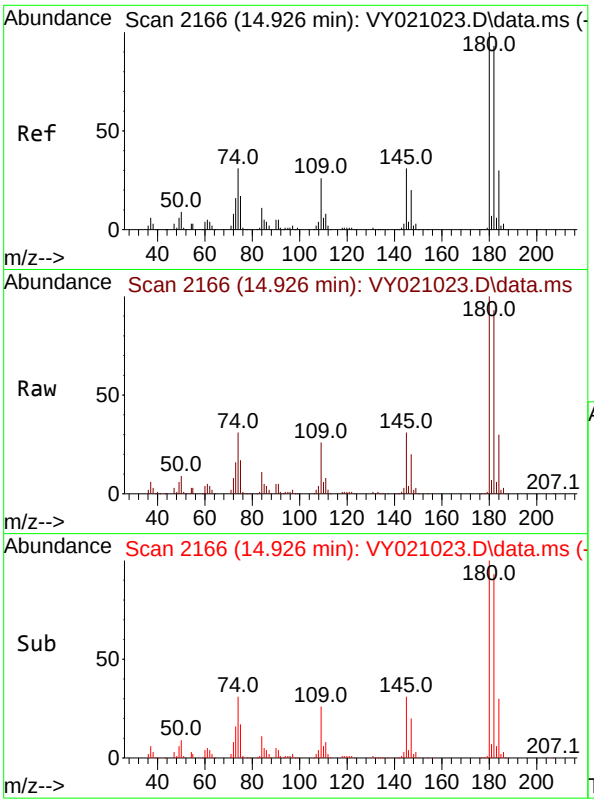



#92
1,2-Dibromo-3-Chloropropane
Concen: 55.445 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 11716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 88.6 | 45.9 | 137.6 |
| 157 | 107.6 | 59.3 | 177.9 |

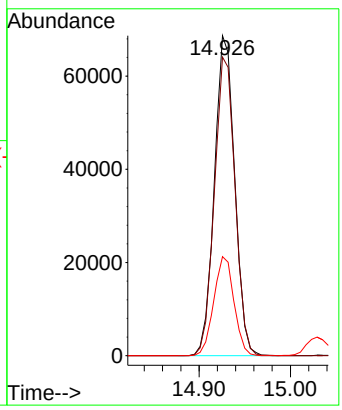





#93
1,2,4-Trichlorobenzene
Concen: 50.473 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:180 Resp: 10593

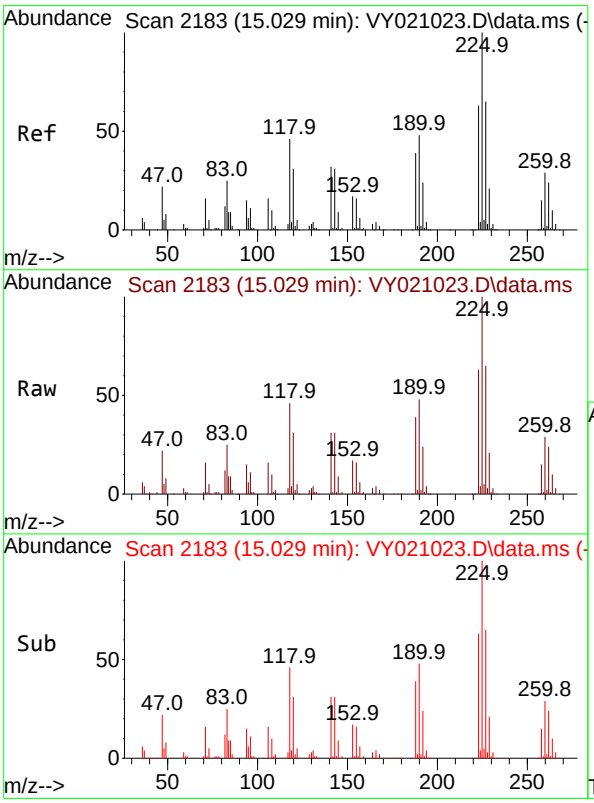
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 48.3 | 144.8 |
| 145 | 30.8 | 15.3 | 45.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

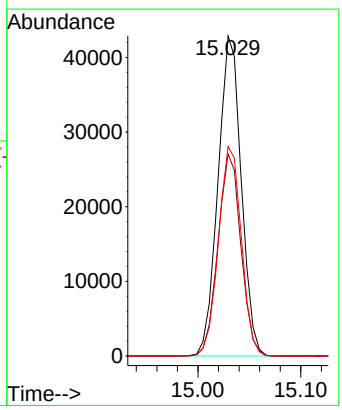
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

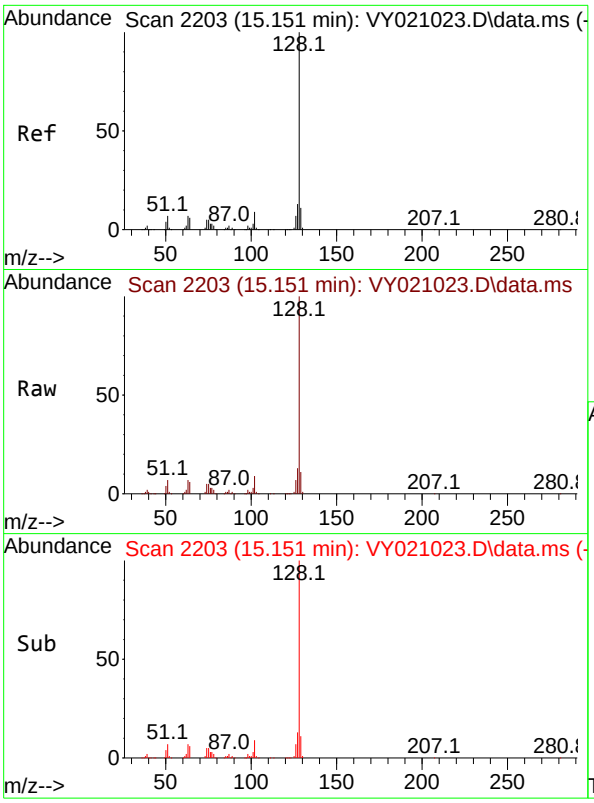



#94
Hexachlorobutadiene
Concen: 46.155 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:225 Resp: 67092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 31.4 | 94.2 |
| 227 | 64.6 | 31.8 | 95.3 |

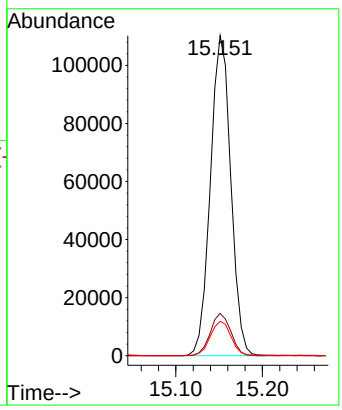





#95
Naphthalene
Concen: 53.412 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:128 Resp: 18016

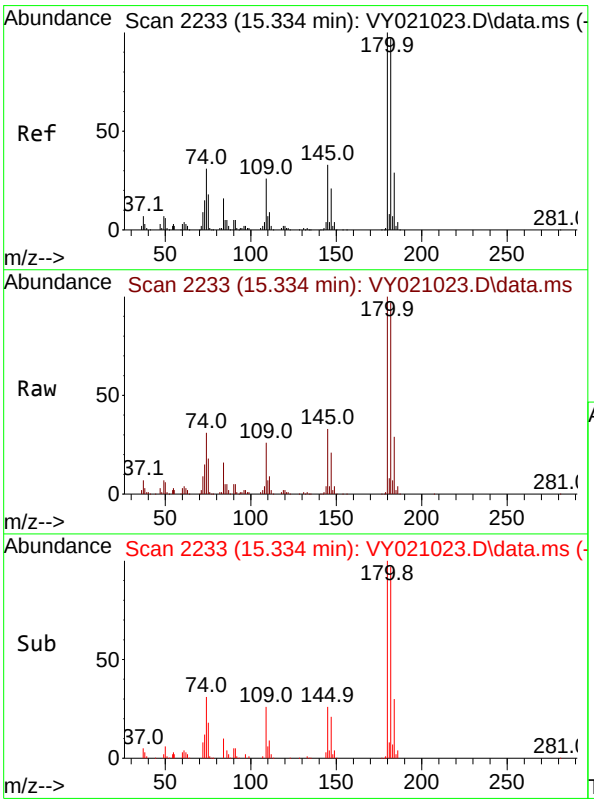
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.2 | 15.4 |
| 129 | 10.9 | 8.8 | 13.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

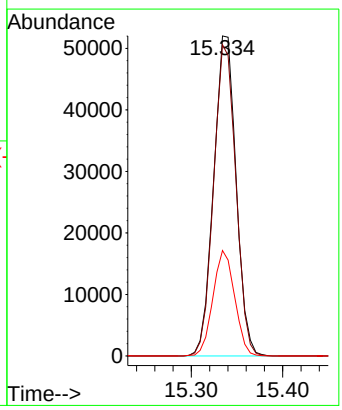
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025




#96
1,2,3-Trichlorobenzene
Concen: 49.991 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:180 Resp: 88730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 47.7 | 143.1 |
| 145 | 31.9 | 15.6 | 46.7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 190137 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 289157 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 248171 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152 | 115163 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.073 | 65 | 172797 | 106.741 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 213.480%# | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 171851 | 98.858 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 197.720%# | | | |
| 50) Toluene-d8 | 10.115 | 98 | 669691 | 98.702 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 197.400%# | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 216644 | 95.157 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = 190.320%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.873 | 85 | 159301 | 98.533 | ug/l | 100 |
| 3) Chloromethane | 2.074 | 50 | 153706 | 149.541 | ug/l | 98 |
| 4) Vinyl Chloride | 2.214 | 62 | 155011 | 146.266 | ug/l | 99 |
| 5) Bromomethane | 2.604 | 94 | 93622 | 130.495 | ug/l | 96 |
| 6) Chloroethane | 2.745 | 64 | 91012 | 147.011 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 282462 | 110.443 | ug/l | 99 |
| 8) Diethyl Ether | 3.464 | 74 | 87561 | 114.680 | ug/l | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 177279 | 102.939 | ug/l | 95 |
| 10) Methyl Iodide | 4.019 | 142 | 218905 | 111.078 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.872 | 59 | 53461 | 452.085 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 171787 | 106.739 | ug/l | 88 |
| 13) Acrolein | 3.659 | 56 | 89546 | 657.572 | ug/l | 99 |
| 14) Allyl chloride | 4.397 | 41 | 294317 | 132.835 | ug/l | 92 |
| 15) Acrylonitrile | 5.067 | 53 | 179975 | 573.057 | ug/l | 99 |
| 16) Acetone | 3.879 | 43 | 133780 | 606.320 | ug/l | 90 |
| 17) Carbon Disulfide | 4.116 | 76 | 540251 | 108.991 | ug/l | 100 |
| 18) Methyl Acetate | 4.397 | 43 | 96229 | 124.639 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 5.128 | 73 | 427571 | 114.141 | ug/l | 99 |
| 20) Methylene Chloride | 4.628 | 84 | 171778 | 105.558 | ug/l | 89 |
| 21) trans-1,2-Dichloroethene | 5.128 | 96 | 186520 | 108.095 | ug/l | 93 |
| 22) Diisopropyl ether | 6.031 | 45 | 598063 | 132.422 | ug/l | 97 |
| 23) Vinyl Acetate | 5.970 | 43 | 1653156 | 660.973 | ug/l | 95 |
| 24) 1,1-Dichloroethane | 5.933 | 63 | 346367 | 118.878 | ug/l | 98 |
| 25) 2-Butanone | 6.902 | 43 | 229517 | 613.177 | ug/l | 92 |
| 26) 2,2-Dichloropropane | 6.896 | 77 | 311254 | 108.502 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 218816 | 110.326 | ug/l | 94 |
| 28) Bromochloromethane | 7.256 | 49 | 142156 | 130.955 | ug/l | 83 |
| 29) Tetrahydrofuran | 7.274 | 42 | 153104 | 607.855 | ug/l | 92 |
| 30) Chloroform | 7.433 | 83 | 350416 | 111.040 | ug/l | 99 |
| 31) Cyclohexane | 7.713 | 56 | 296243 | 104.021 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 328296 | 107.493 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 7.847 | 75 | 258833 | 104.370 | ug/l | 97 |
| 37) Ethyl Acetate | 6.994 | 43 | 108807 | 117.685 | ug/l | 97 |
| 38) Carbon Tetrachloride | 7.829 | 117 | 302001 | 98.406 | ug/l | 98 |
| 39) Methylcyclohexane | 9.115 | 83 | 329865 | 99.014 | ug/l | 94 |
| 40) Benzene | 8.091 | 78 | 765340 | 104.883 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.226 | 41 | 51586 | 100.841 | ug/l | | 90 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 203840 | 110.147 | ug/l | | 98 |
| 43) Isopropyl Acetate | 8.207 | 43 | 224883 | 121.752 | ug/l | # | 86 |
| 44) Trichloroethene | 8.872 | 130 | 195403 | 97.046 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 9.152 | 63 | 179965 | 110.034 | ug/l | | 99 |
| 46) Dibromomethane | 9.237 | 93 | 95968 | 100.827 | ug/l | | 95 |
| 47) Bromodichloromethane | 9.432 | 83 | 265518 | 106.226 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.225 | 41 | 107661 | 122.427 | ug/l | | 90 |
| 49) 1,4-Dioxane | 9.237 | 88 | 18378 | 1817.108 | ug/l | # | 95 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 562082 | 592.226 | ug/l | | 94 |
| 52) Toluene | 10.176 | 92 | 488296 | 103.090 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 246769 | 109.097 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.865 | 75 | 289643 | 107.141 | ug/l | # | 91 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 125626 | 99.248 | ug/l | | 100 |
| 56) Ethyl methacrylate | 10.445 | 69 | 184212 | 111.337 | ug/l | | 88 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 220204 | 102.639 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 421206 | 599.795 | ug/l | | 95 |
| 59) 2-Hexanone | 10.768 | 43 | 373249 | 605.028 | ug/l | | 92 |
| 60) Dibromochloromethane | 10.920 | 129 | 179036 | 99.202 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.024 | 107 | 117576 | 97.250 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.652 | 164 | 174223 | 93.066 | ug/l | | 97 |
| 65) Chlorobenzene | 11.450 | 112 | 519942 | 99.441 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 185418 | 99.917 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.524 | 91 | 950017 | 104.939 | ug/l | | 98 |
| 68) m/p-Xylenes | 11.639 | 106 | 705393 | 202.801 | ug/l | | 97 |
| 69) o-Xylene | 11.963 | 106 | 332346 | 102.783 | ug/l | | 97 |
| 70) Styrene | 11.975 | 104 | 559633 | 104.245 | ug/l | | 98 |
| 71) Bromoform | 12.139 | 173 | 101615 | 92.910 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.261 | 105 | 891697 | 110.247 | ug/l | | 100 |
| 74) N-amyl acetate | 12.078 | 43 | 196809 | 133.629 | ug/l | | 91 |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83 | 137599 | 105.393 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 87097m | 95.537 | ug/l | | |
| 77) Bromobenzene | 12.542 | 156 | 198715 | 103.627 | ug/l | | 93 |
| 78) n-propylbenzene | 12.603 | 91 | 1057216 | 111.529 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 592096 | 109.632 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 713935 | 107.741 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 47846 | 108.944 | ug/l | | 92 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 597047 | 108.014 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 638740 | 103.933 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.054 | 105 | 701716 | 108.409 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 931799 | 107.093 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.304 | 119 | 778814 | 106.512 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.298 | 146 | 380481 | 101.760 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.377 | 146 | 368361 | 99.212 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.627 | 91 | 720257 | 109.974 | ug/l | | 98 |
| 90) Hexachloroethane | 13.889 | 117 | 160918 | 108.782 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 13.670 | 146 | 323508 | 99.218 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75 | 20553 | 102.253 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 14.932 | 180 | 201024 | 100.693 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 15.035 | 225 | 124879 | 90.315 | ug/l | | 100 |
| 95) Naphthalene | 15.157 | 128 | 331641 | 103.361 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 167187 | 99.024 | ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

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

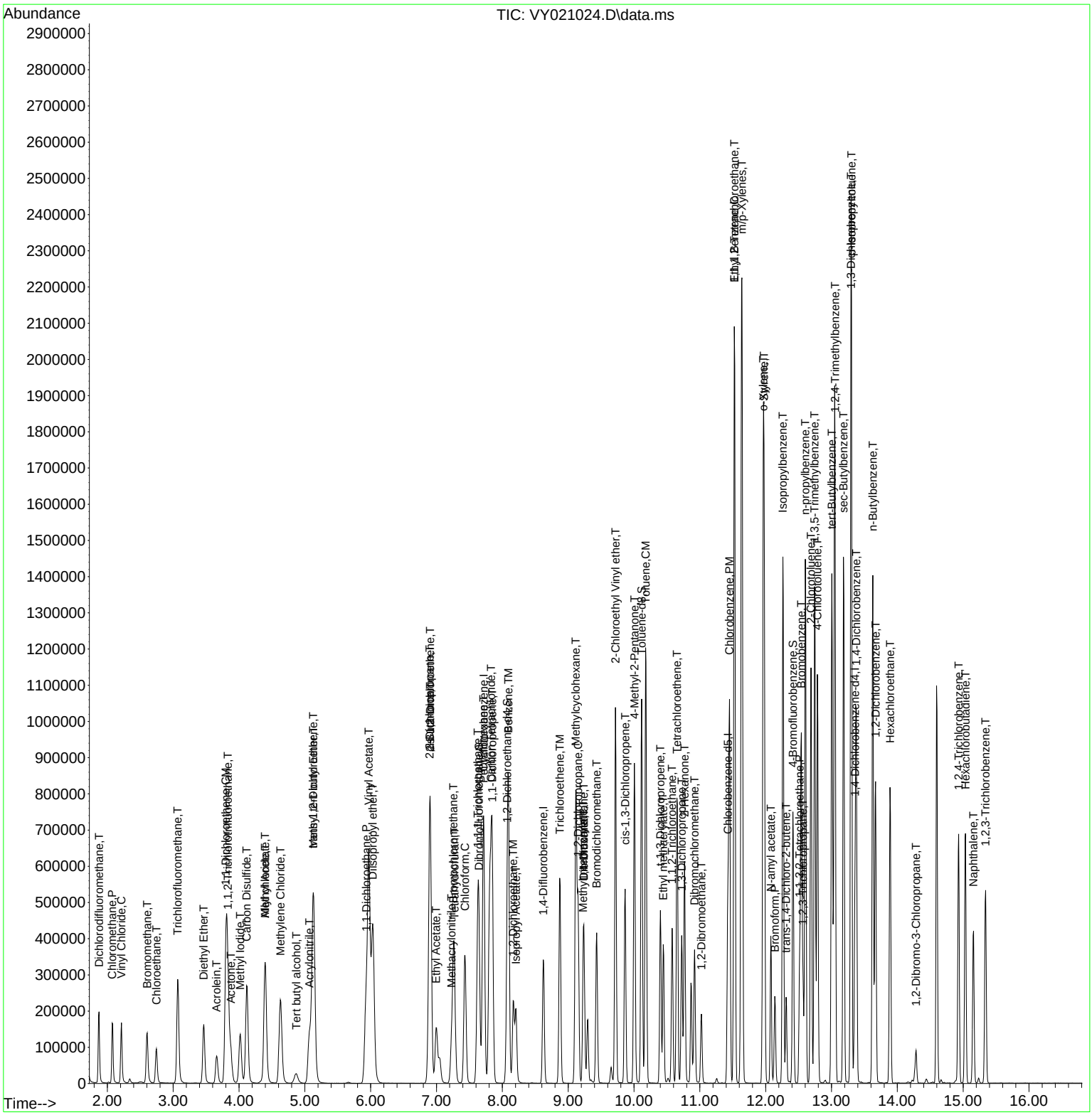
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

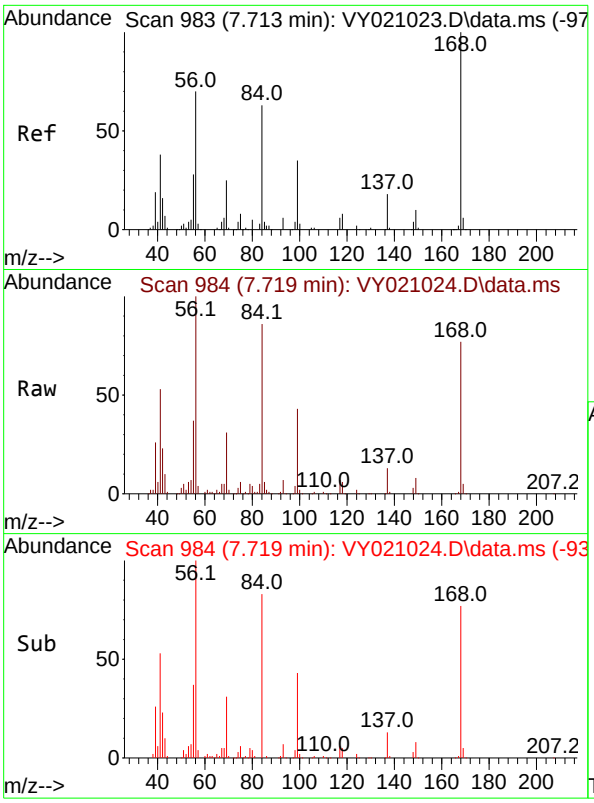
Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

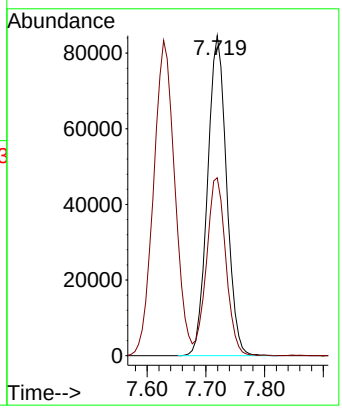





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:168 Resp: 19013

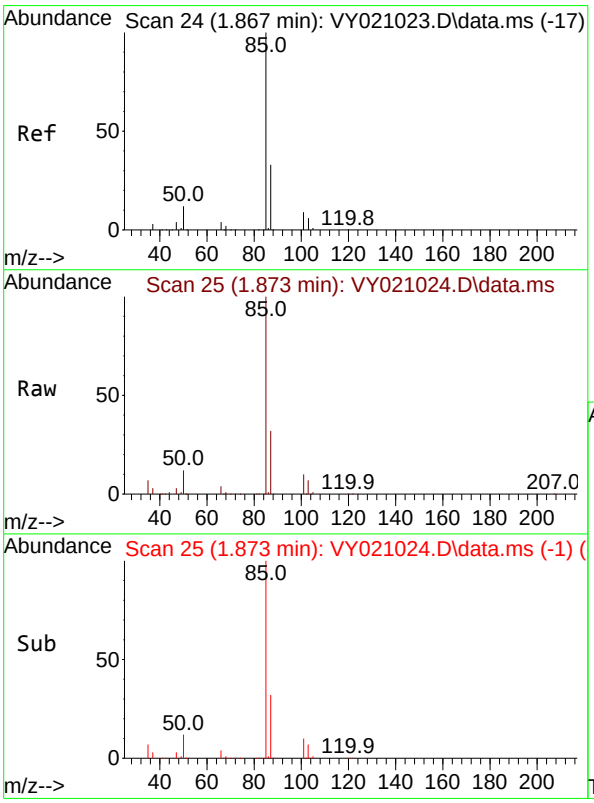
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.5 | 42.2 | 63.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

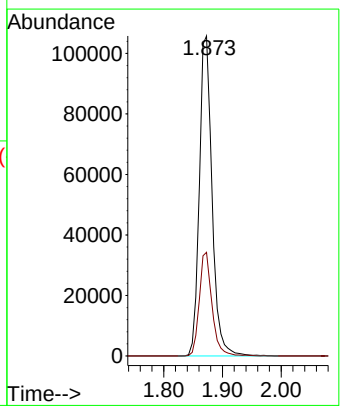
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

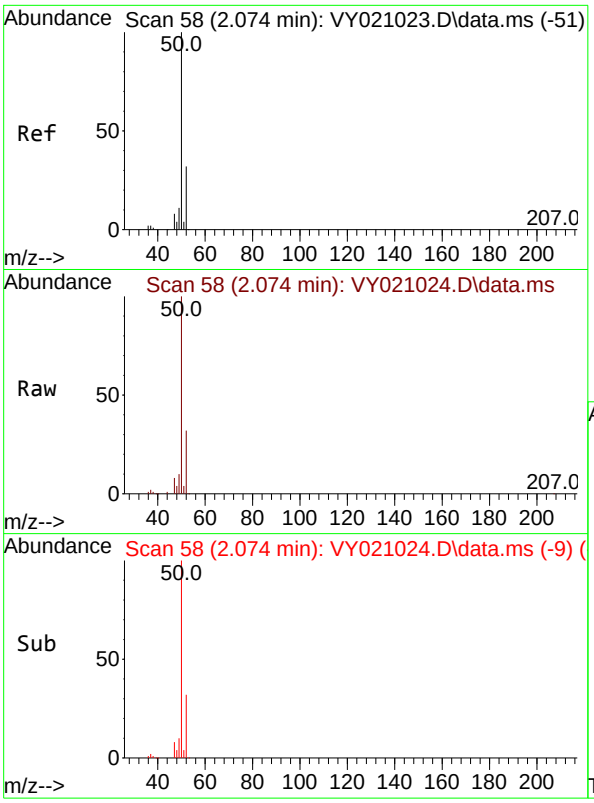



#2
Dichlorodifluoromethane
Concen: 98.533 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 85 Resp: 159301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 16.3 | 48.9 |

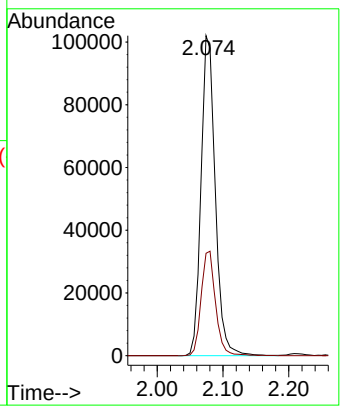





#3
Chloromethane
Concen: 149.541 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 50 Resp: 15370

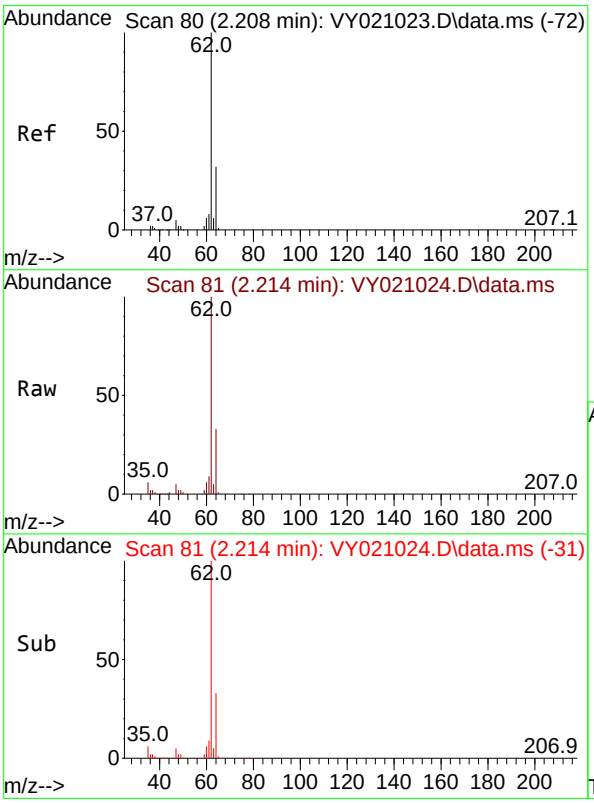
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.3 | 39.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

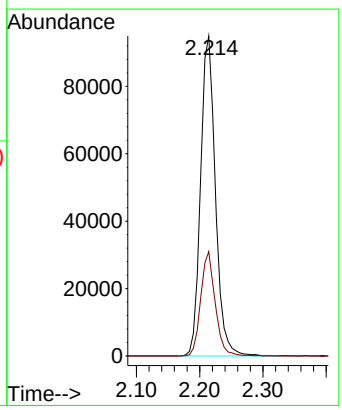
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

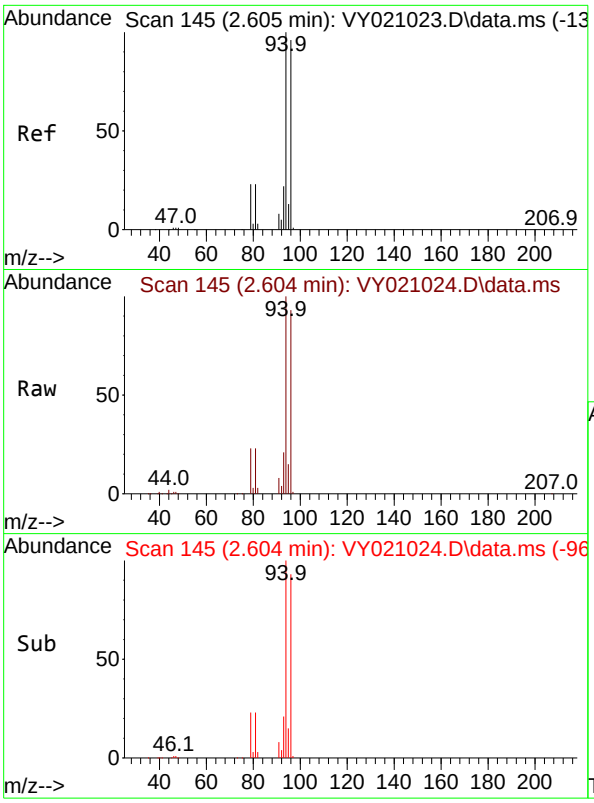



#4
Vinyl Chloride
Concen: 146.266 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 62 Resp: 155011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.6 | 25.4 | 38.2 |






#5
Bromomethane
Concen: 130.495 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

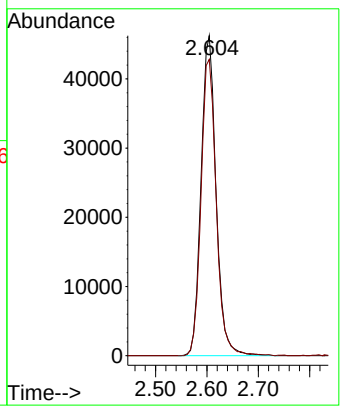
Tgt Ion: 94 Resp: 9362

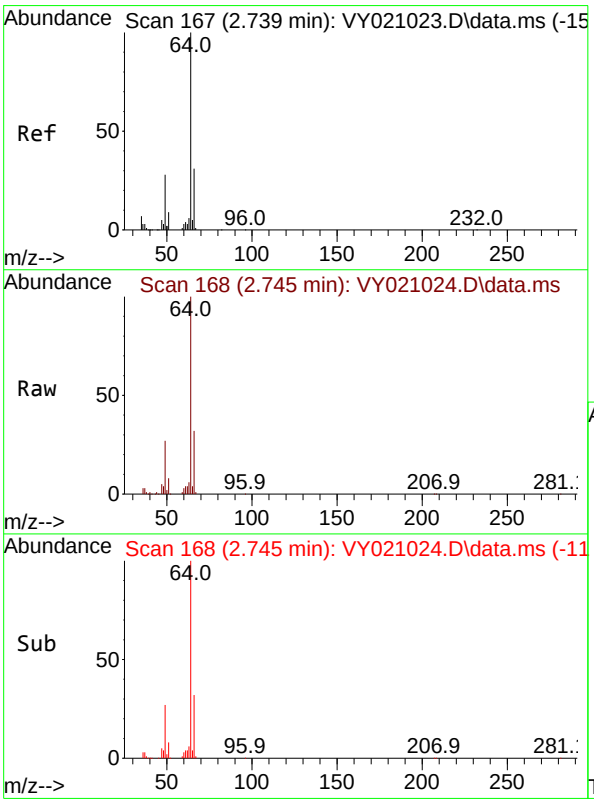
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.6 | 77.4 | 116.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

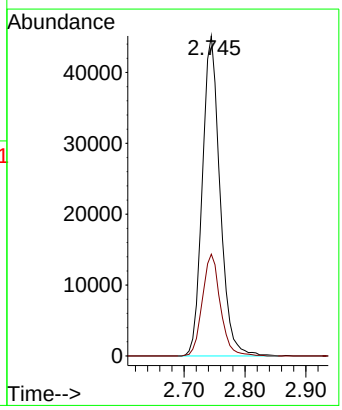


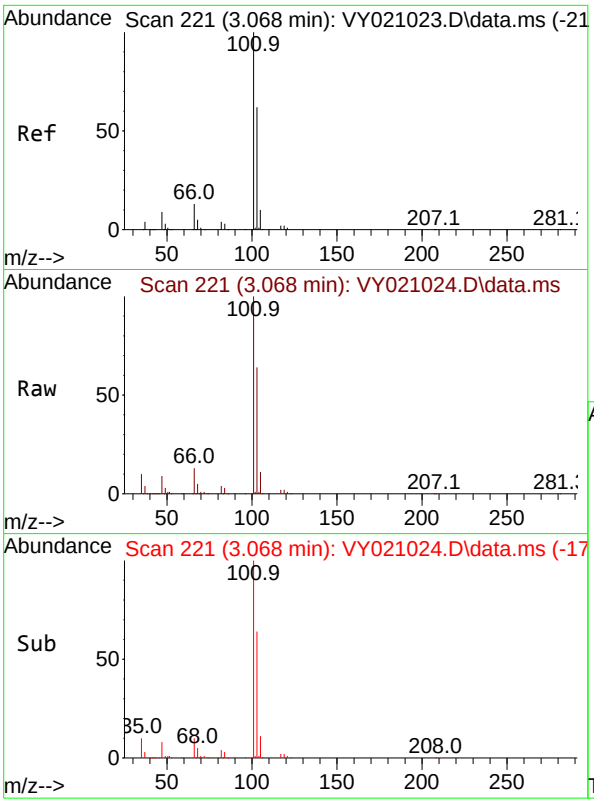




#6
Chloroethane
Concen: 147.011 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 64 Resp: 91012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 25.0 | 37.4 |

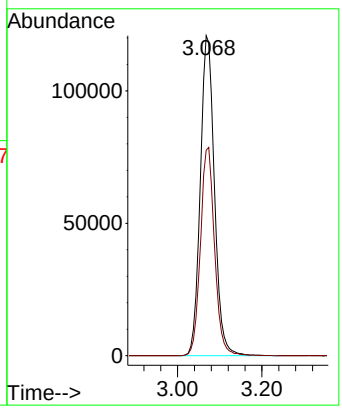





#7
Trichlorofluoromethane
Concen: 110.443 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:101 Resp: 28246

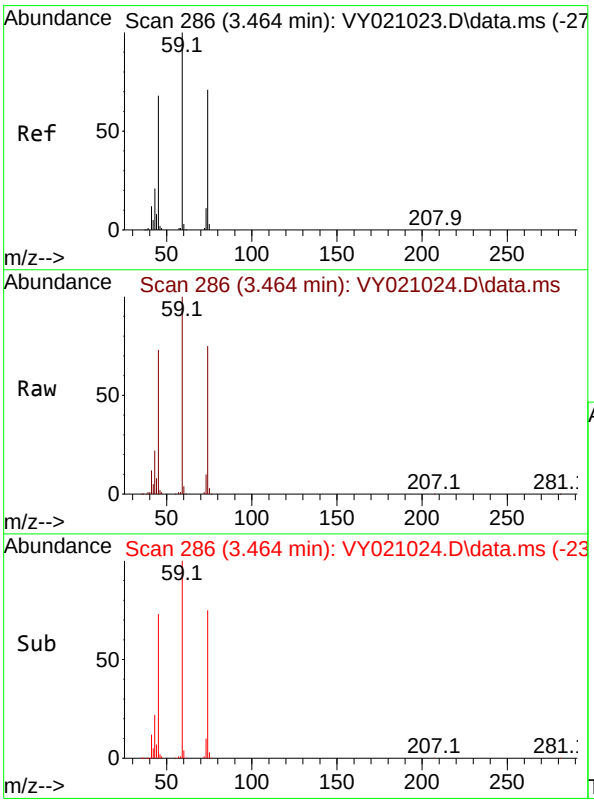
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.2 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

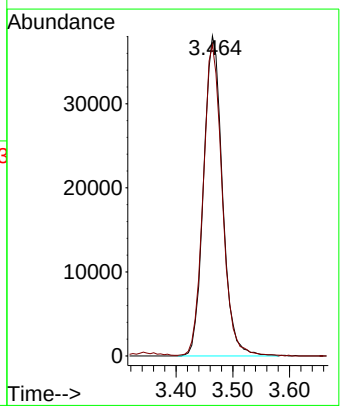
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

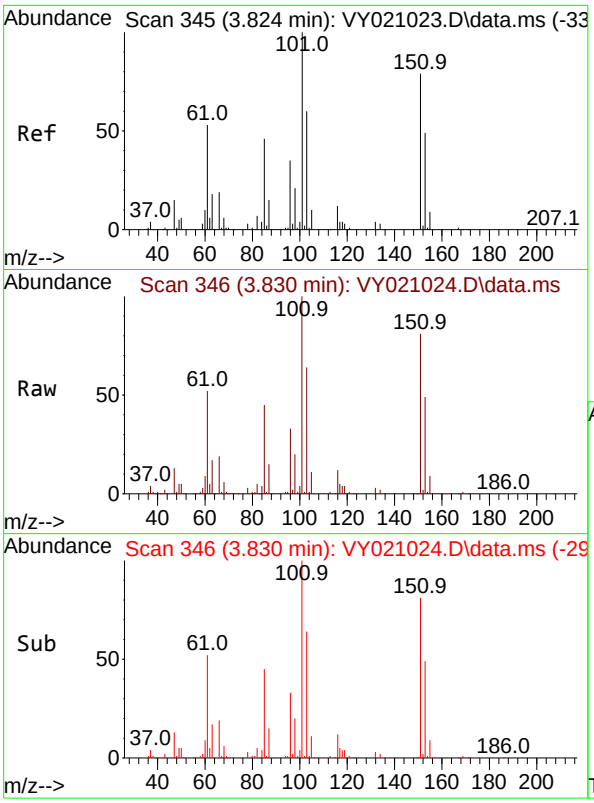



#8
Diethyl Ether
Concen: 114.680 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 74 Resp: 87561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 98.9 | 43.4 | 130.2 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.939 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:101 Resp: 17727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.9 | 34.9 | 52.3 |
| 151 | 78.9 | 66.8 | 100.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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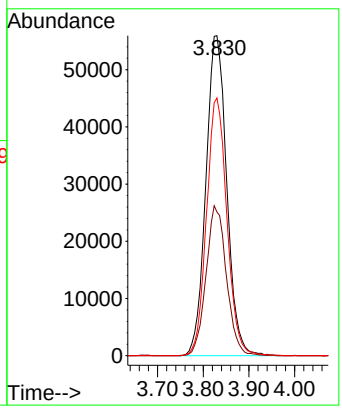
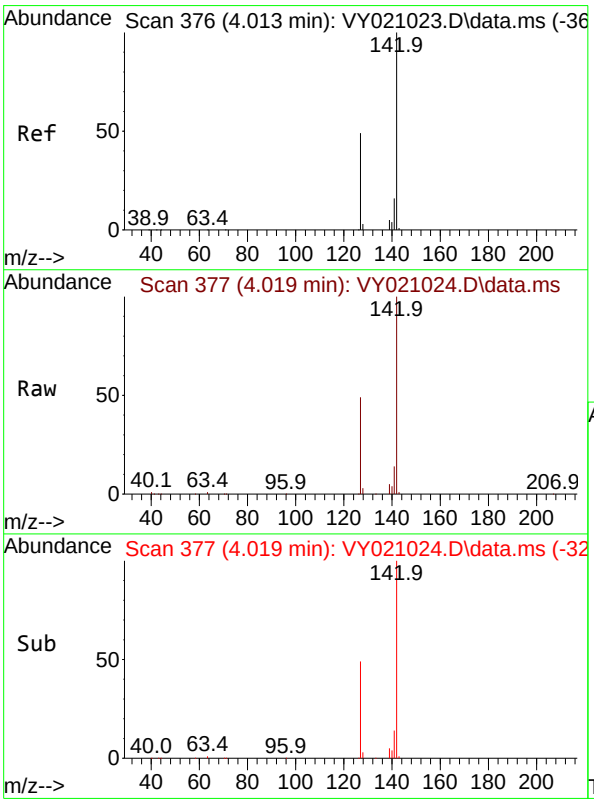
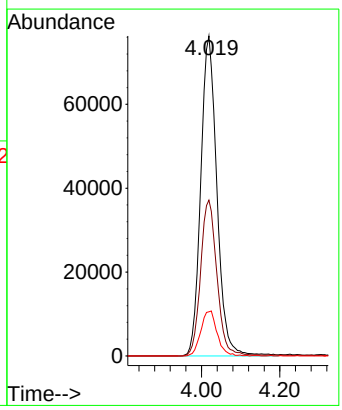


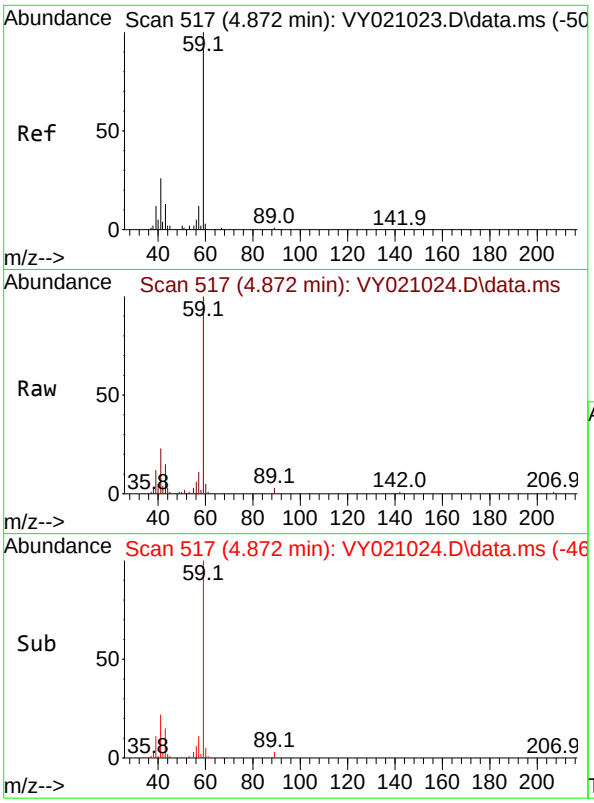




#10
Methyl Iodide
Concen: 111.078 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:142 Resp: 218905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.2 | 38.9 | 58.3 |
| 141 | 14.2 | 11.7 | 17.5 |

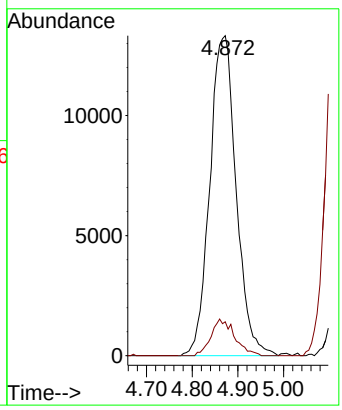





#11
Tert butyl alcohol
Concen: 452.085 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 59 Resp: 5346

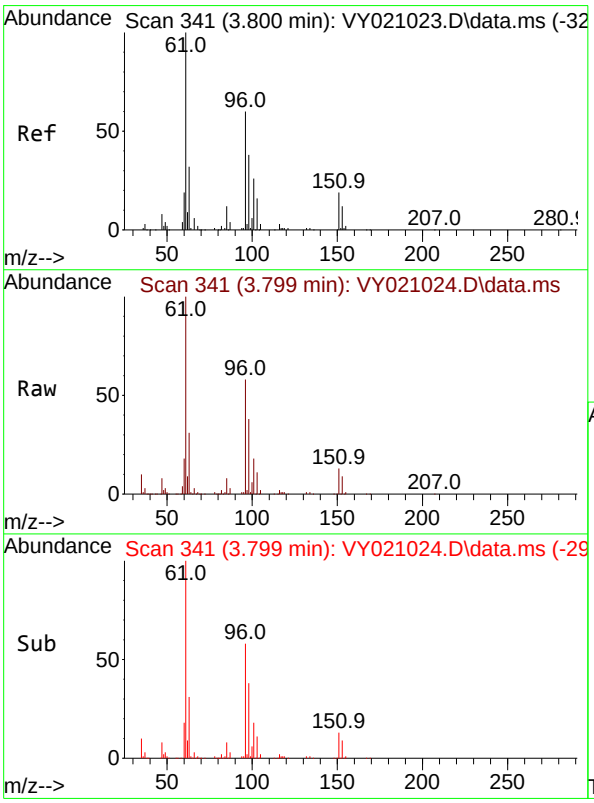
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.8 | 11.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

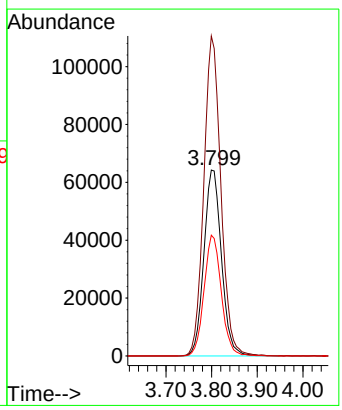
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

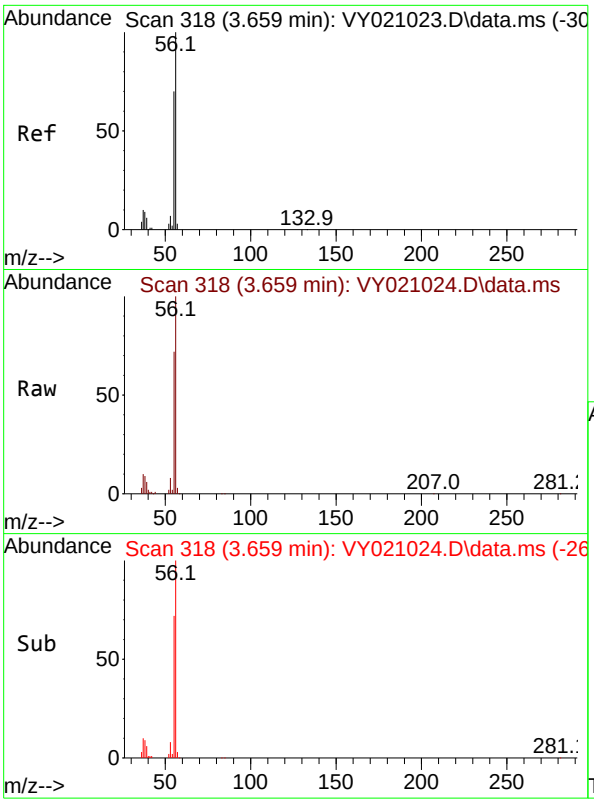



#12
1,1-Dichloroethene
Concen: 106.739 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 96 Resp: 171787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.1 | 120.8 | 181.2 |
| 98 | 64.9 | 50.6 | 76.0 |

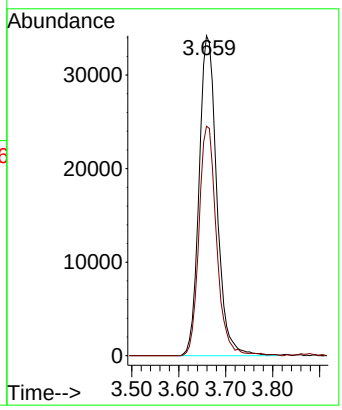





#13
Acrolein
Concen: 657.572 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 56 Resp: 8954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.2 | 56.1 | 84.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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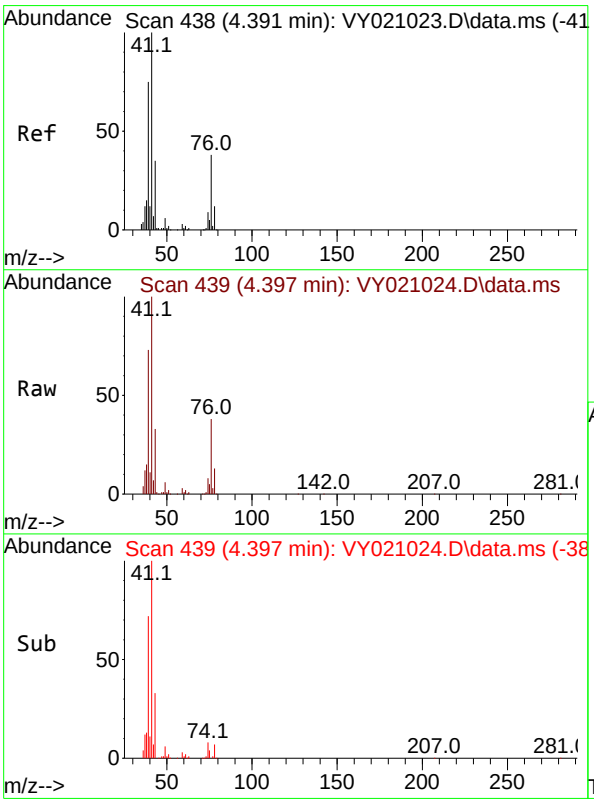
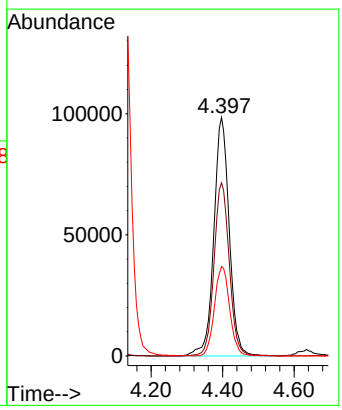
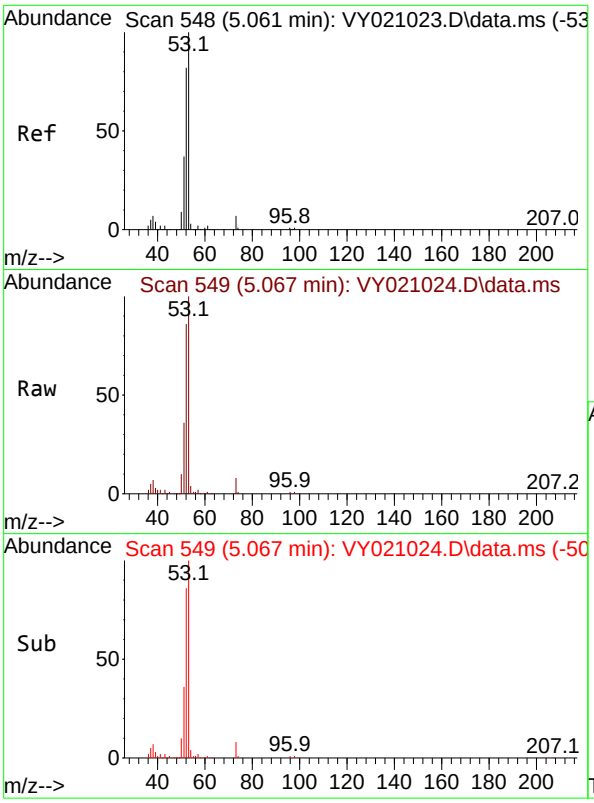



#14
Allyl chloride
Concen: 132.835 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 294317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.0 | 53.5 | 80.3 |
| 76 | 37.1 | 34.6 | 52.0 |

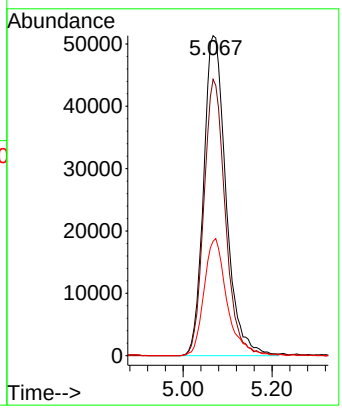





#15
Acrylonitrile
Concen: 573.057 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 53 Resp: 17997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 66.2 | 99.4 |
| 51 | 37.6 | 29.4 | 44.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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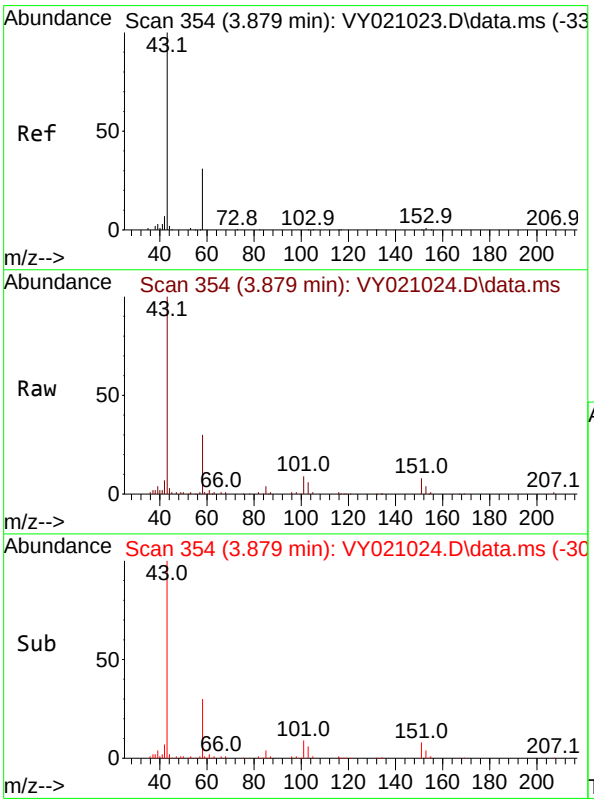
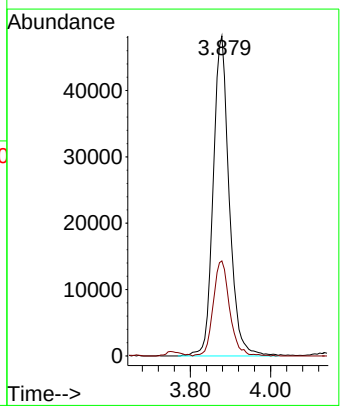
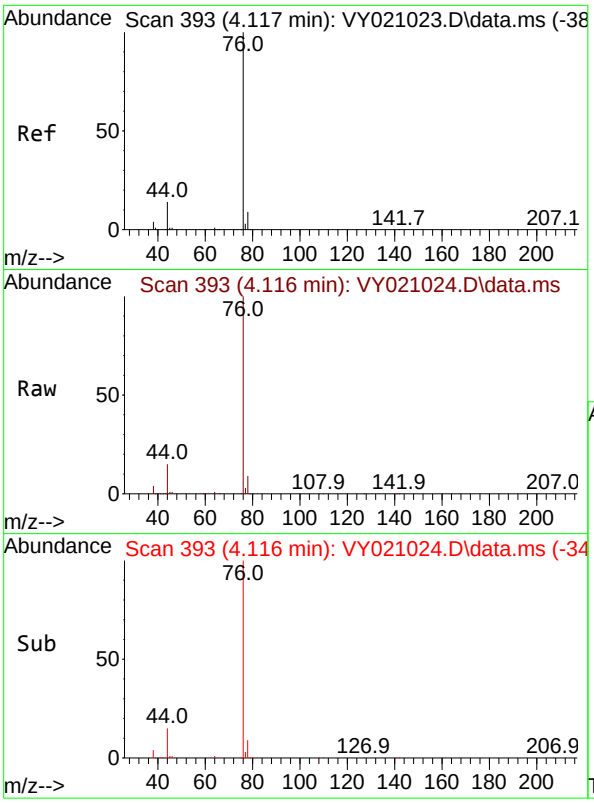



#16
Acetone
Concen: 606.320 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 133780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.6 | 28.4 | 42.6 |

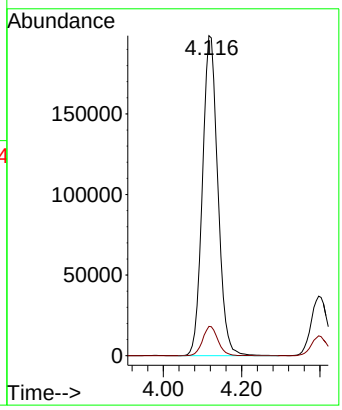





#17
Carbon Disulfide
Concen: 108.991 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 76 Resp: 54025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.3 | 10.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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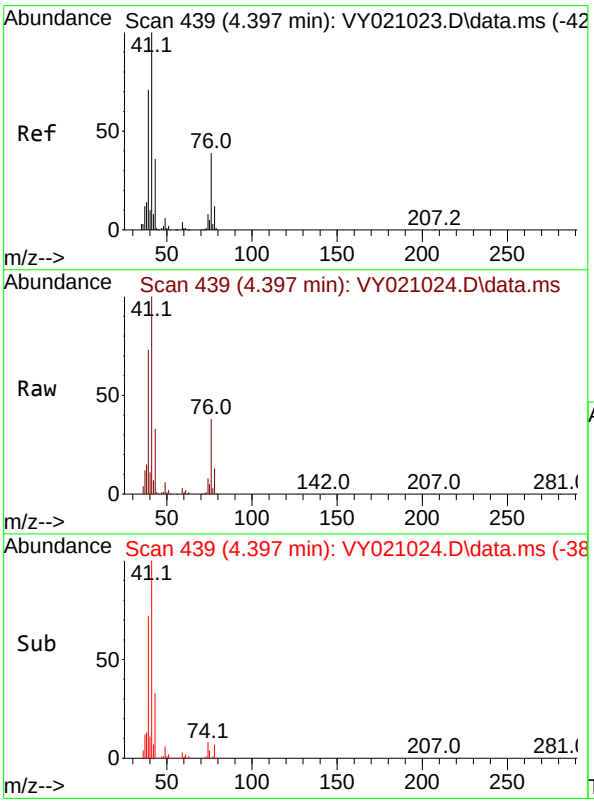
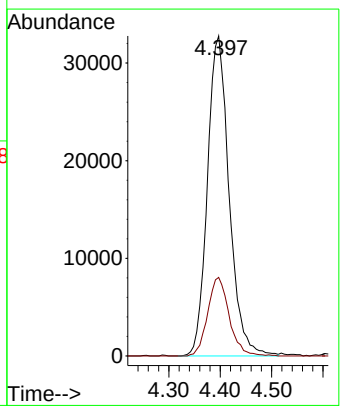
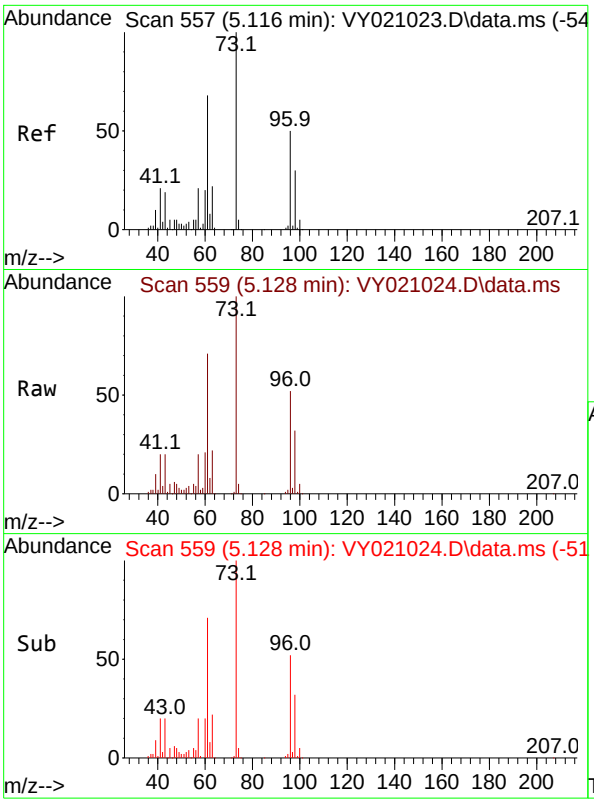



#18
Methyl Acetate
Concen: 124.639 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 96229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.3 | 22.2 | 33.4 |

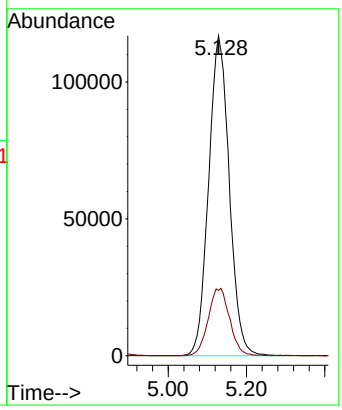





#19
Methyl tert-butyl Ether
Concen: 114.141 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 73 Resp: 42757

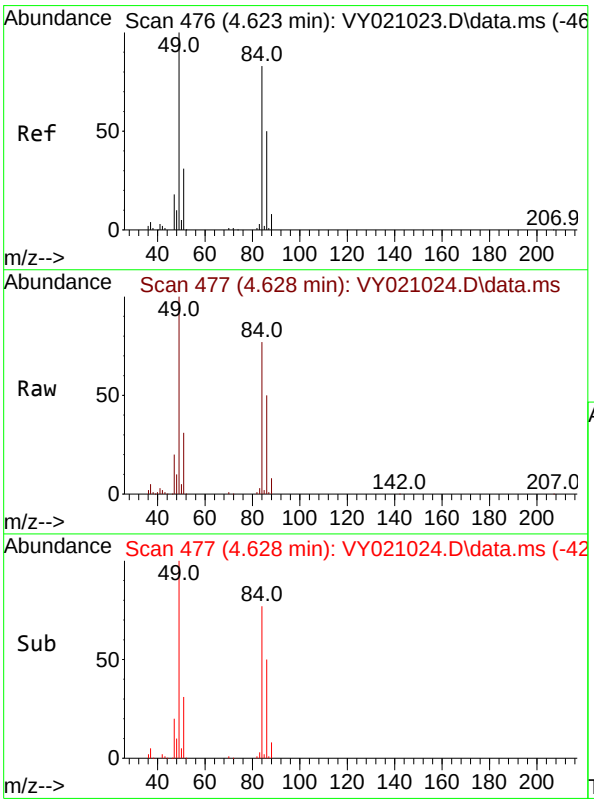
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.4 | 16.6 | 25.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

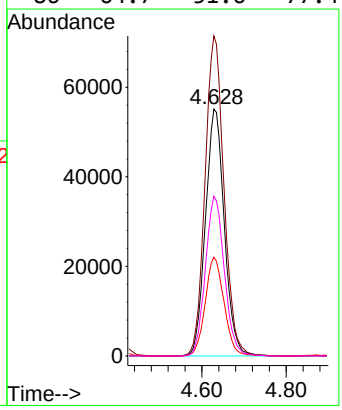
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

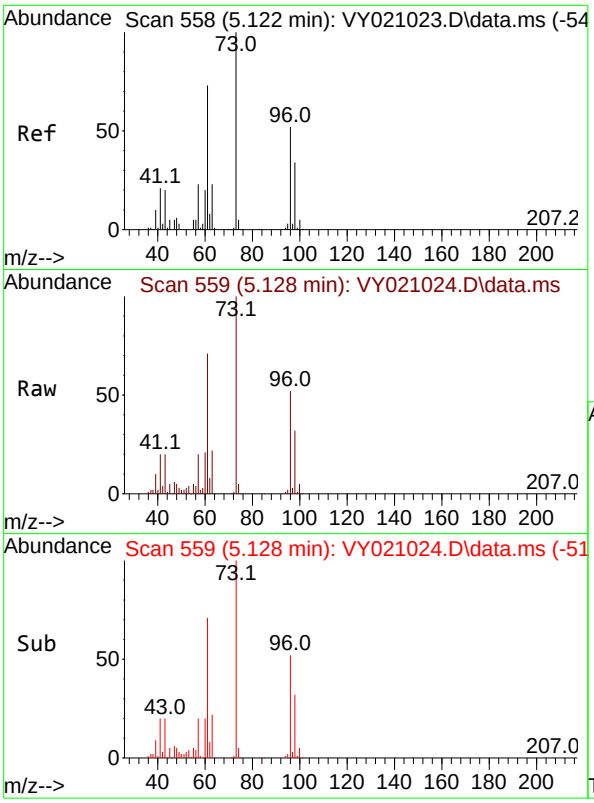



#20
Methylene Chloride
Concen: 105.558 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 84 Resp: 171778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.6 | 88.3 | 132.5 |
| 51 | 40.0 | 27.7 | 41.5 |
| 86 | 64.7 | 51.6 | 77.4 |

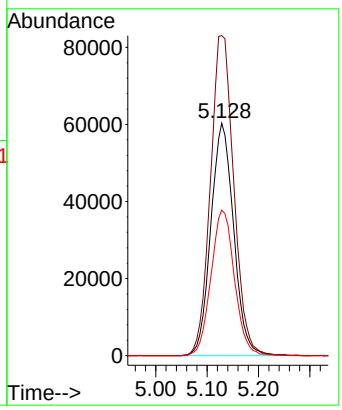





#21
trans-1,2-Dichloroethene
Concen: 108.095 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 96 Resp: 18652

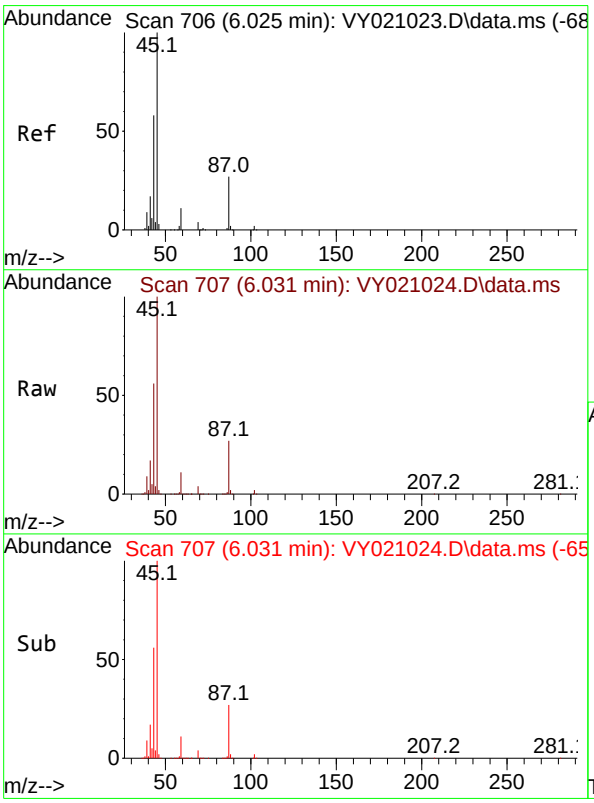
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.7 | 101.5 | 152.3 |
| 98 | 62.7 | 52.0 | 78.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

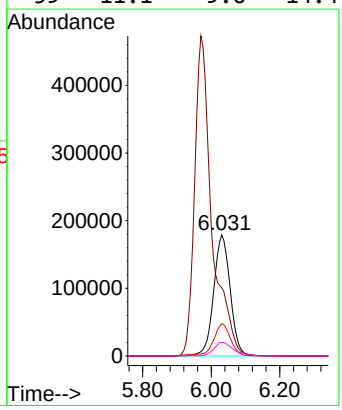
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

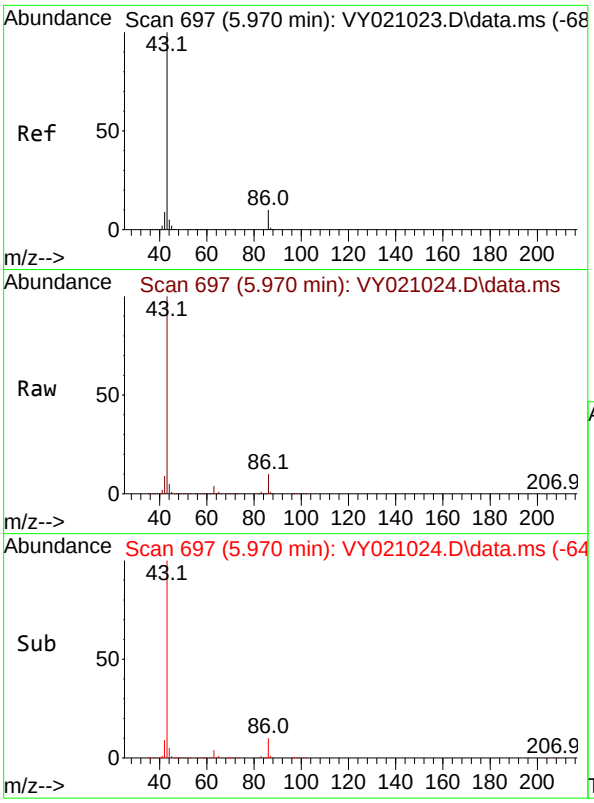



#22
Diisopropyl ether
Concen: 132.422 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 45 Resp: 598063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.1 | 45.1 | 67.7 |
| 87 | 26.7 | 25.0 | 37.4 |
| 59 | 11.1 | 9.6 | 14.4 |

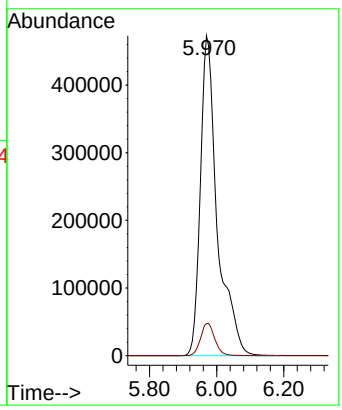





#23
Vinyl Acetate
Concen: 660.973 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 165315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 9.7 | 14.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :Mahesh Dadoda 02/04/2025
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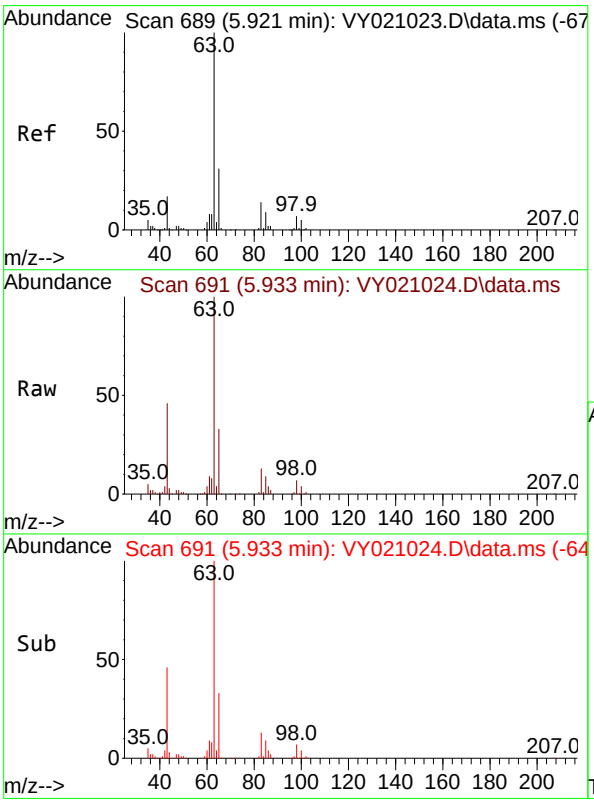
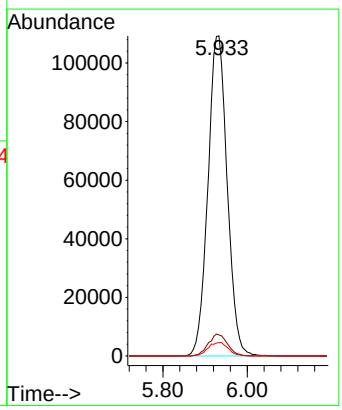
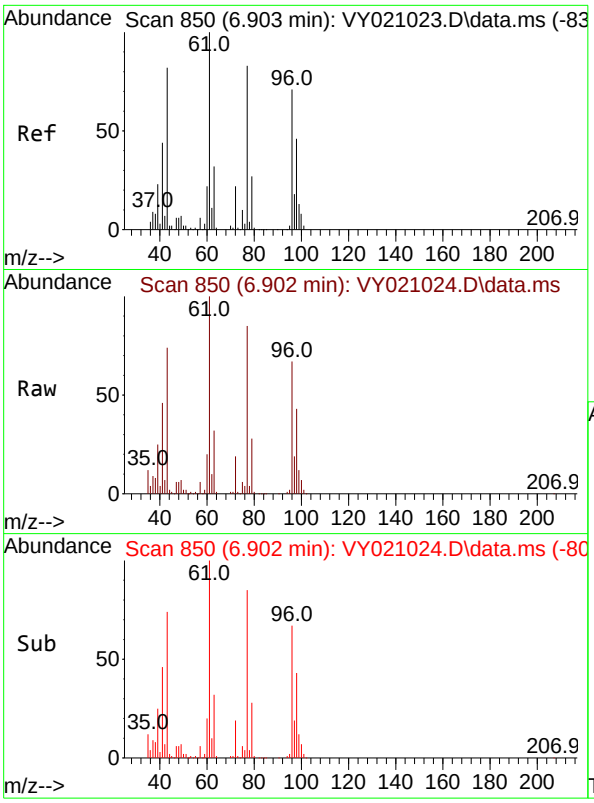



#24
1,1-Dichloroethane
Concen: 118.878 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.013 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 346367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.6 | 3.7 | 11.1 |
| 100 | 4.1 | 2.4 | 7.2 |

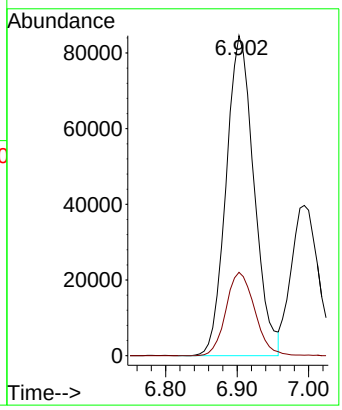





#25
2-Butanone
Concen: 613.177 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 22951

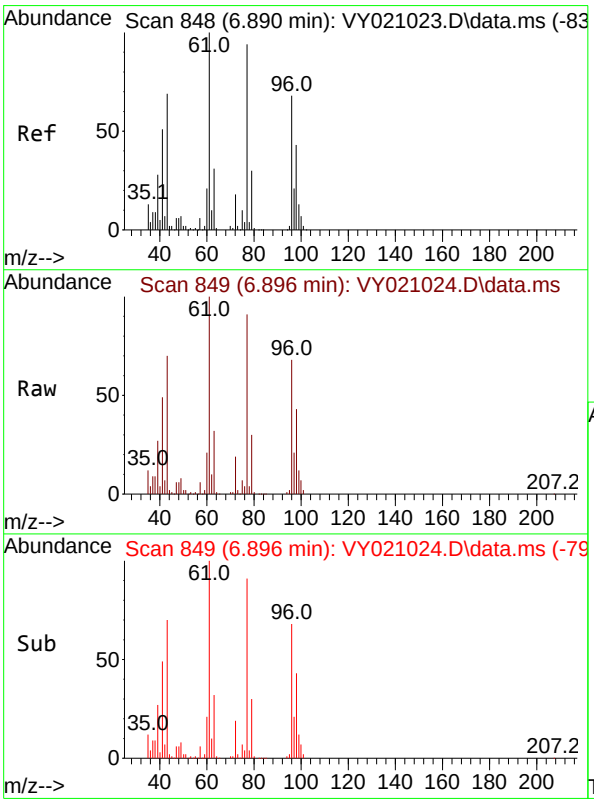
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.1 | 24.3 | 36.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

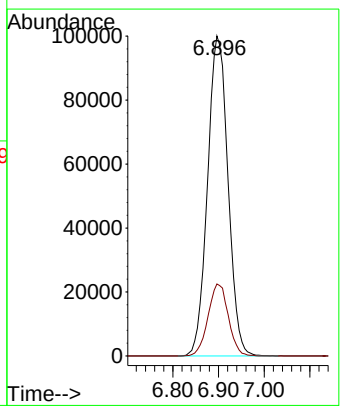
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

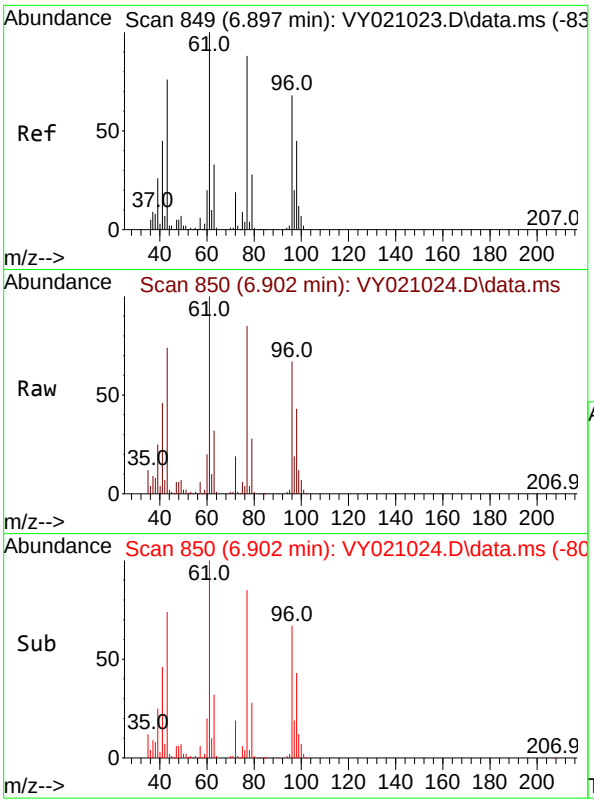



#26
2,2-Dichloropropane
Concen: 108.502 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 77 Resp: 311254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.3 | 11.4 | 34.2 |

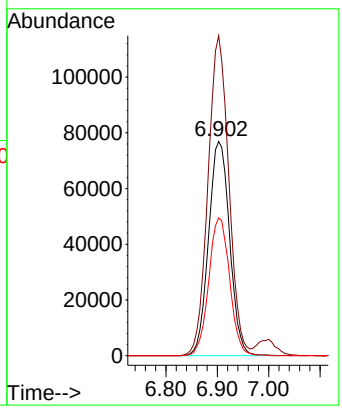





#27
cis-1,2-Dichloroethene
Concen: 110.326 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 96 Resp: 21881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.4 | 0.0 | 274.0 |
| 98 | 63.9 | 0.0 | 130.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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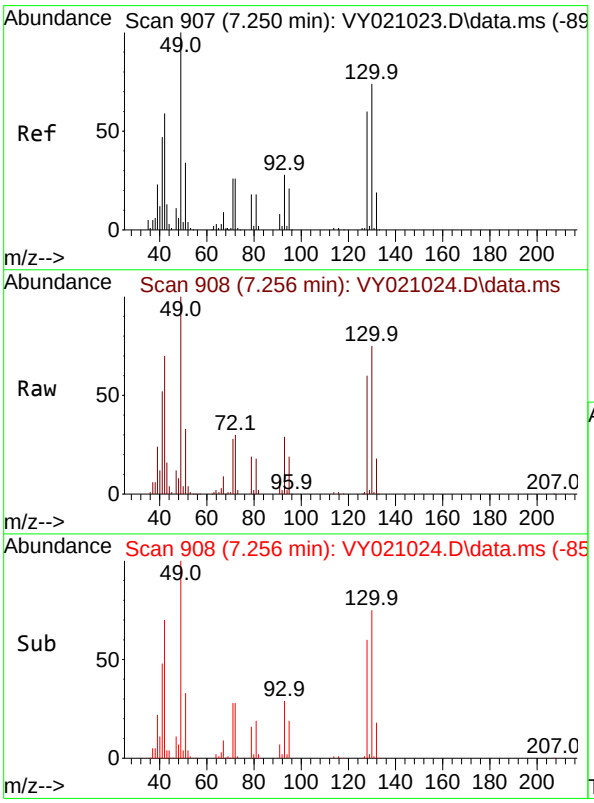
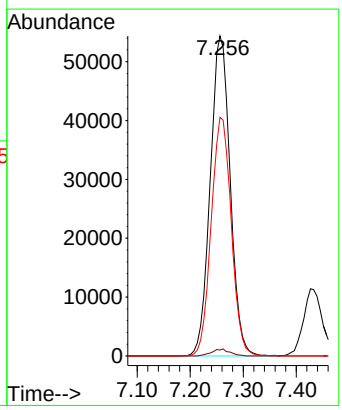
Supervised By :Semsettin Yesilyurt 02/04/2025

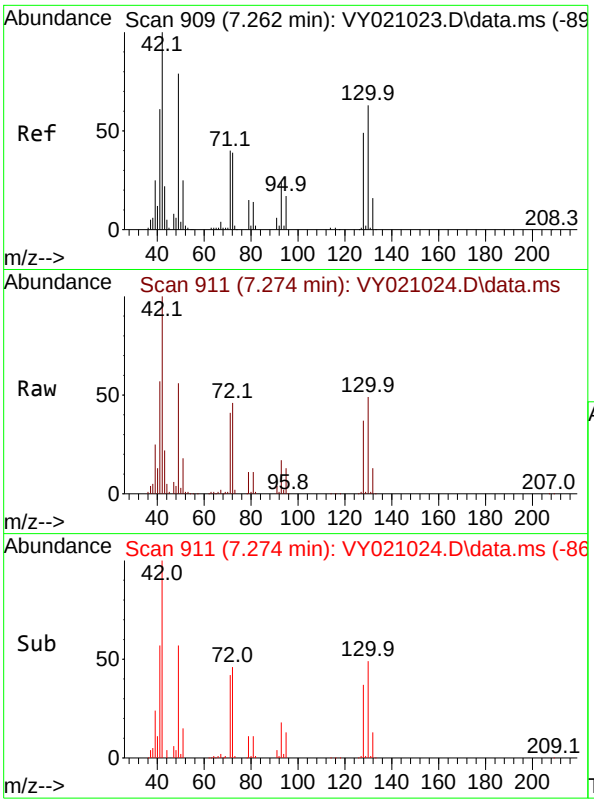



#28
Bromochloromethane
Concen: 130.955 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 49 Resp: 142156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 5.0 |
| 130 | 74.8 | 73.2 | 109.8 |

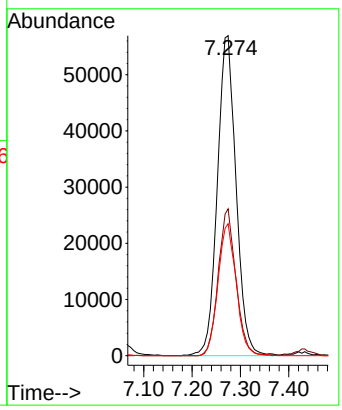





#29
Tetrahydrofuran
Concen: 607.855 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 42 Resp: 15310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.3 | 39.3 | 58.9 |
| 71 | 40.2 | 36.1 | 54.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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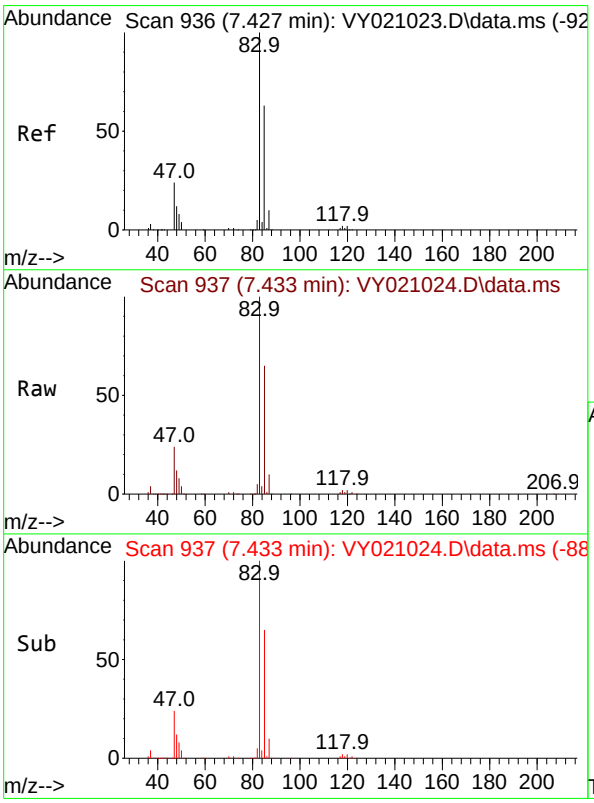
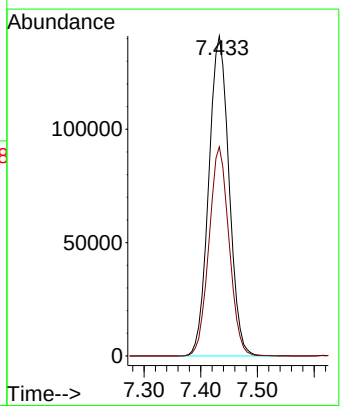
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

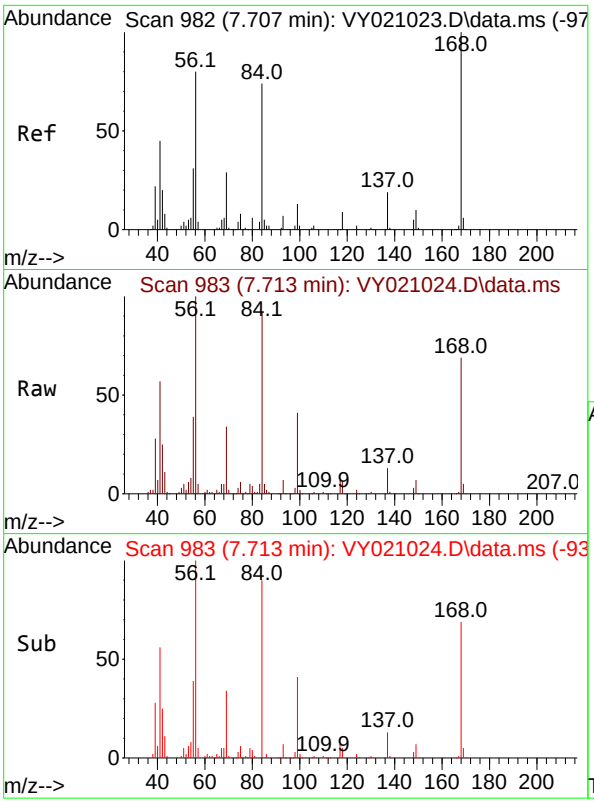



#30
Chloroform
Concen: 111.040 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 350416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.4 | 52.9 | 79.3 |

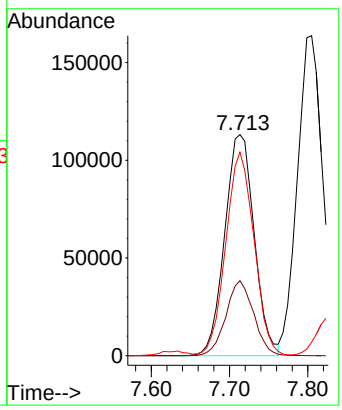





#31
Cyclohexane
Concen: 104.021 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 56 Resp: 29624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.9 | 27.7 | 41.5 |
| 84 | 90.1 | 77.5 | 116.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :Mahesh Dadoda 02/04/2025
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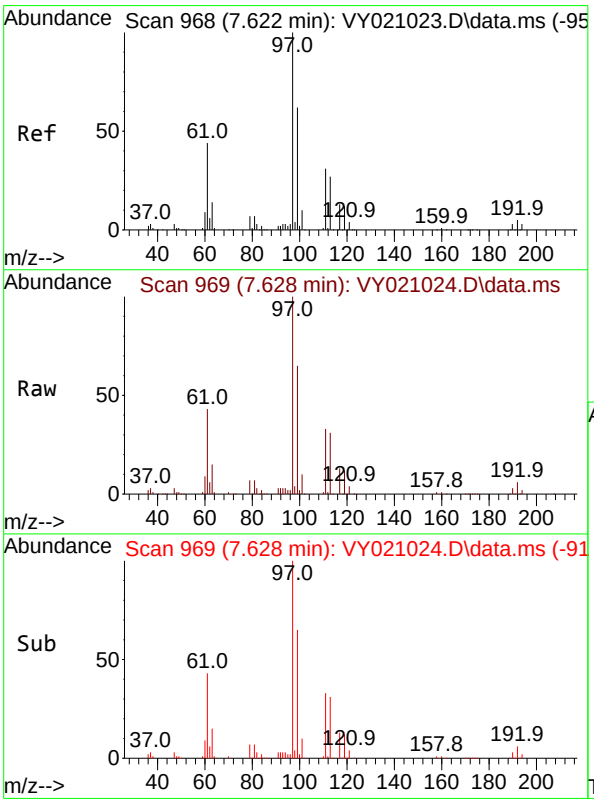
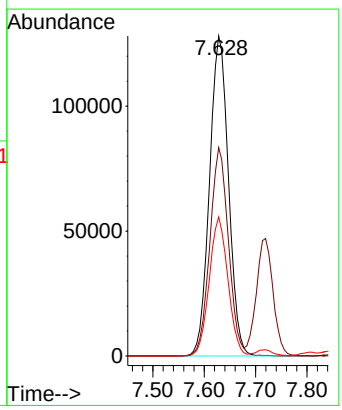
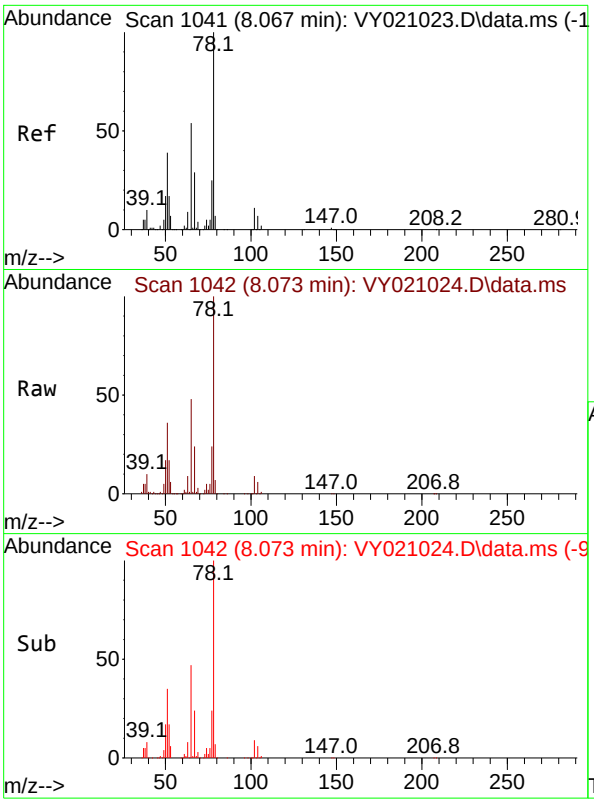



#32
1,1,1-Trichloroethane
Concen: 107.493 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 97 Resp: 328296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 51.4 | 77.0 |
| 61 | 42.7 | 31.4 | 47.0 |

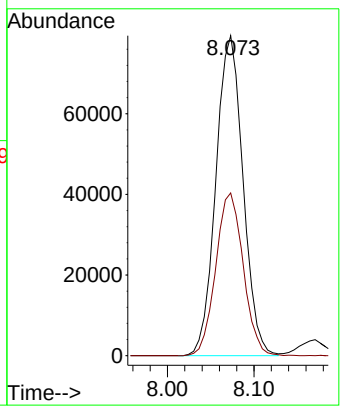





#33
1,2-Dichloroethane-d4
Concen: 106.741 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 65 Resp: 17279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 104.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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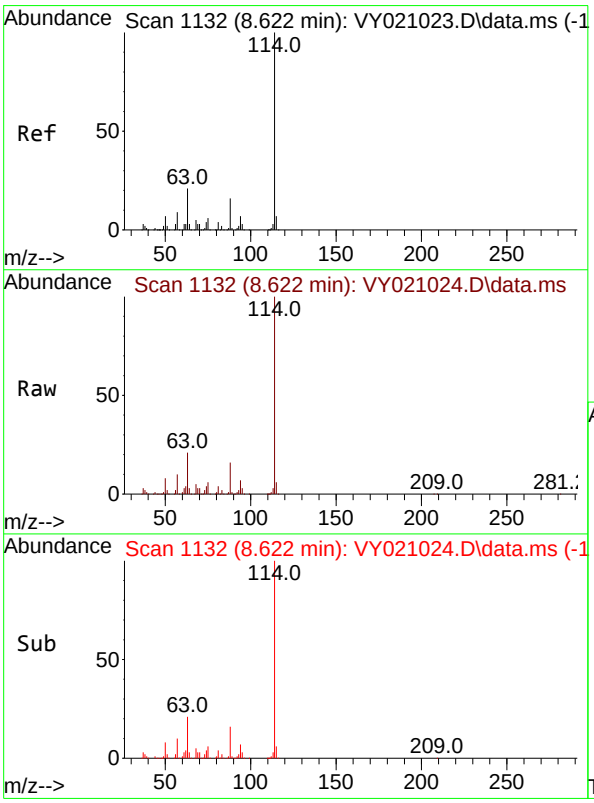
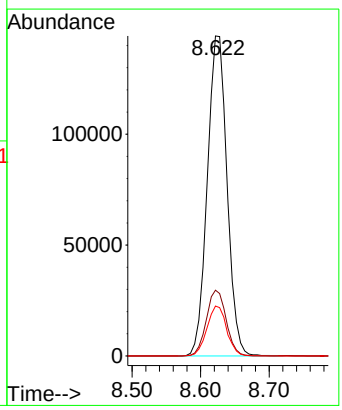
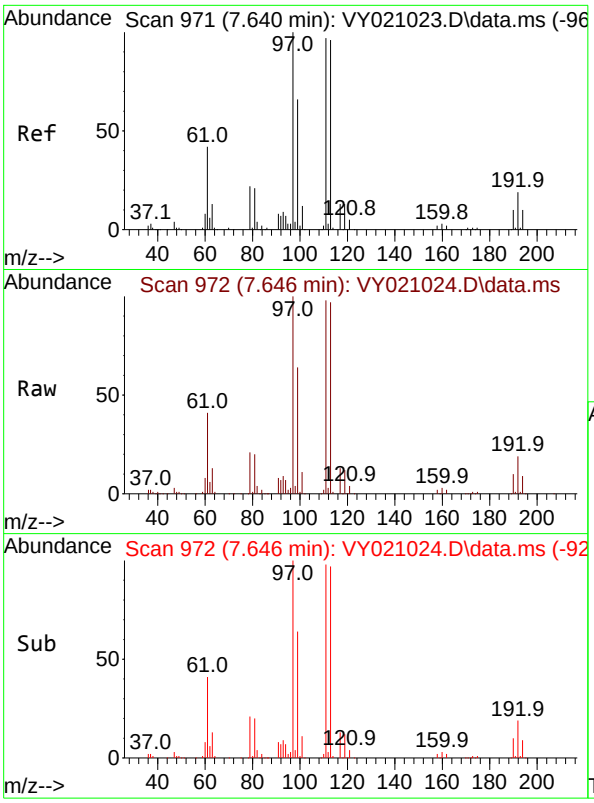



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:114 Resp: 289157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 37.2 |
| 88 | 15.6 | 0.0 | 29.6 |






#35
Dibromofluoromethane
Concen: 98.858 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:113 Resp: 17185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.1 | 82.6 | 123.8 |
| 192 | 20.5 | 16.8 | 25.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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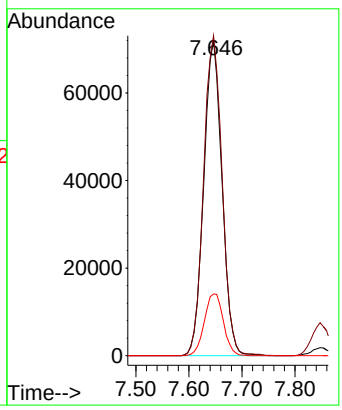
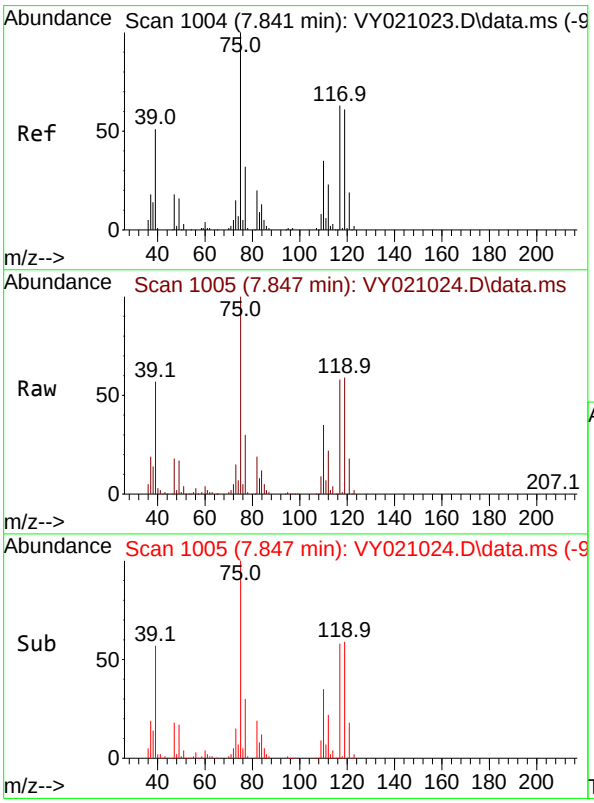
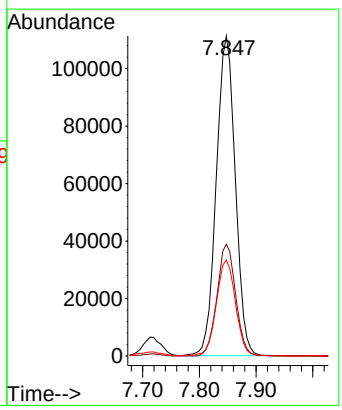


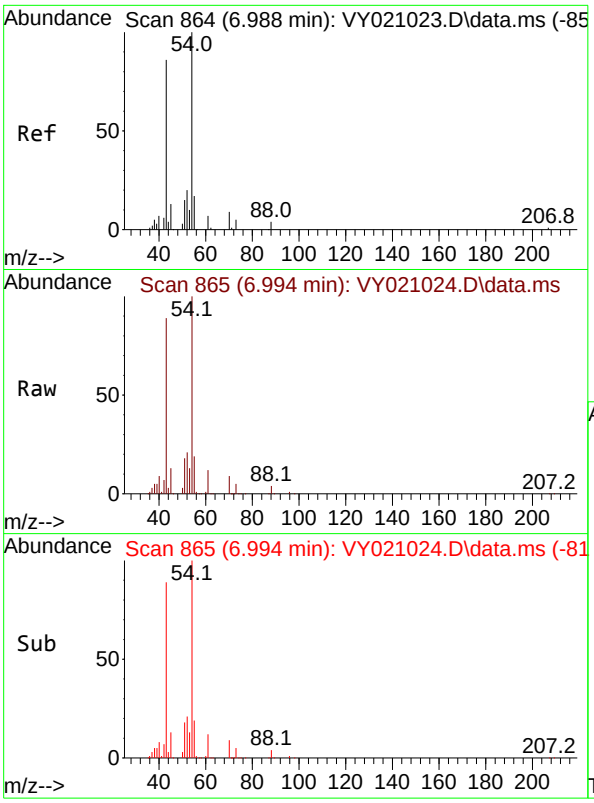




#36
1,1-Dichloropropene
Concen: 104.370 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 258833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 18.4 | 55.2 |
| 77 | 30.5 | 24.9 | 37.3 |






#37
Ethyl Acetate
Concen: 117.685 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

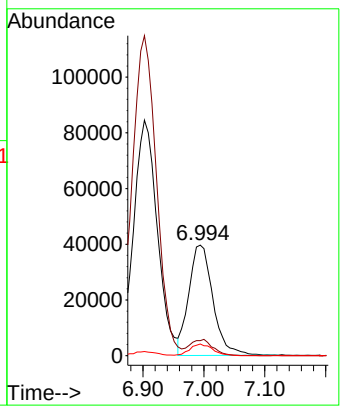
Tgt Ion: 43 Resp: 10880

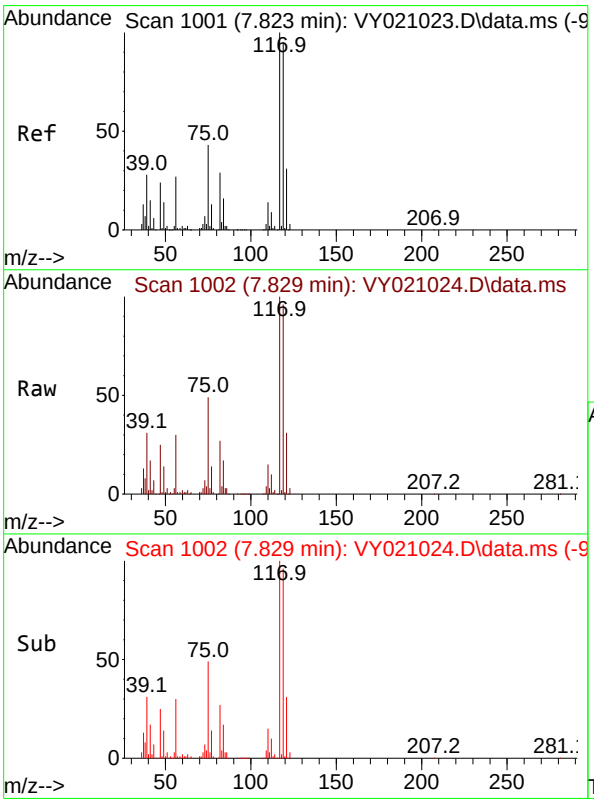
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.4 | 11.4 | 17.0 |
| 70 | 9.9 | 9.6 | 14.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

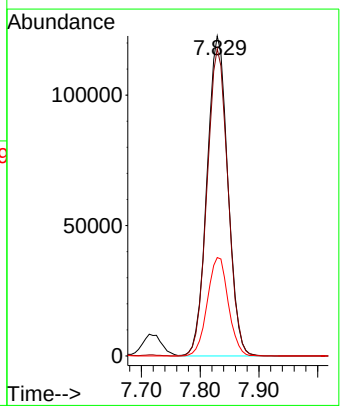


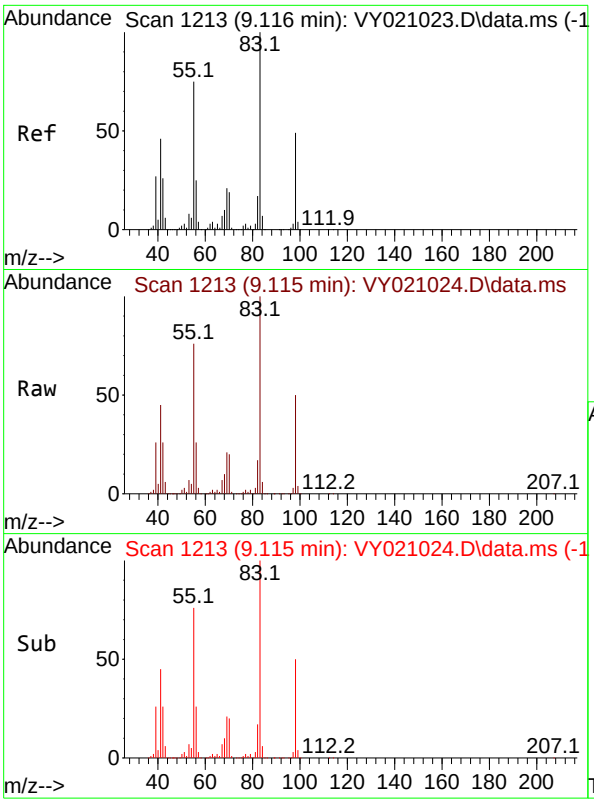




#38
Carbon Tetrachloride
Concen: 98.406 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 302001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 75.0 | 112.6 |
| 121 | 30.8 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 99.014 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

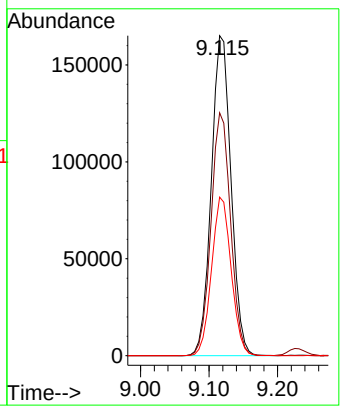
Tgt Ion: 83 Resp: 32986

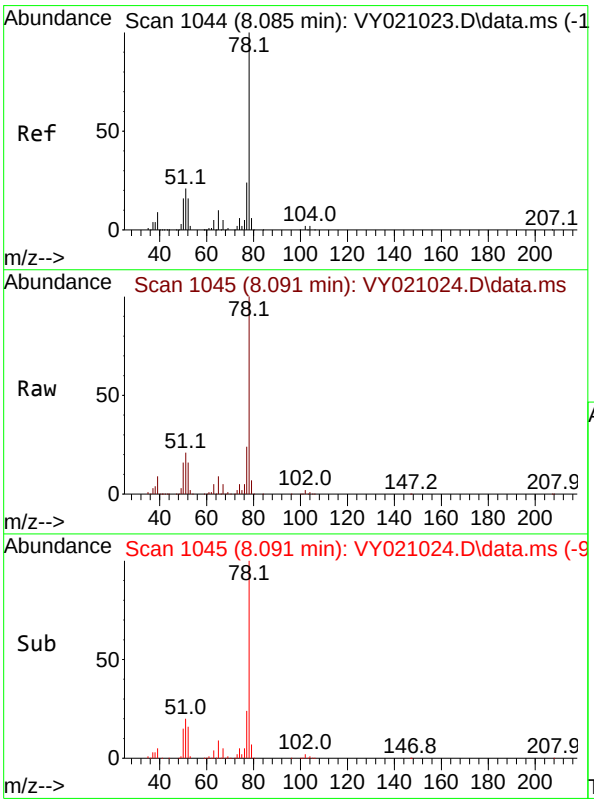
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.9 | 54.9 | 82.3 |
| 98 | 49.5 | 40.5 | 60.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

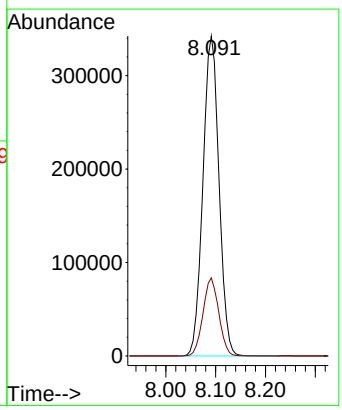


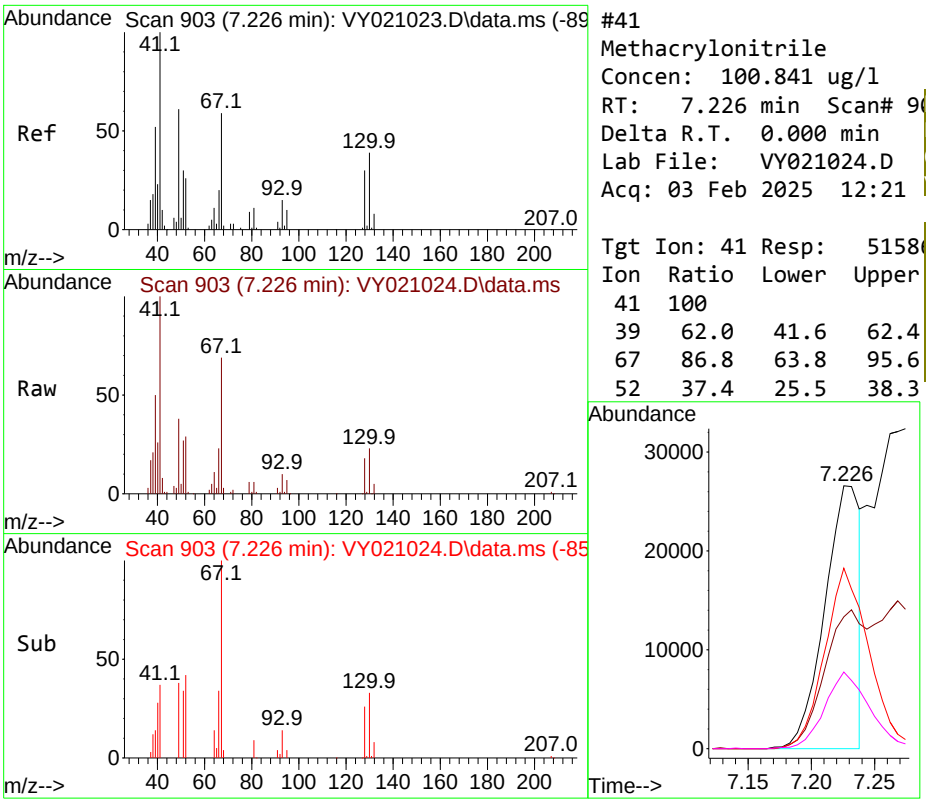




#40
Benzene
Concen: 104.883 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 78 Resp: 765340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.4 | 19.4 | 29.2 |






#41
Methacrylonitrile
Concen: 100.841 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 5158

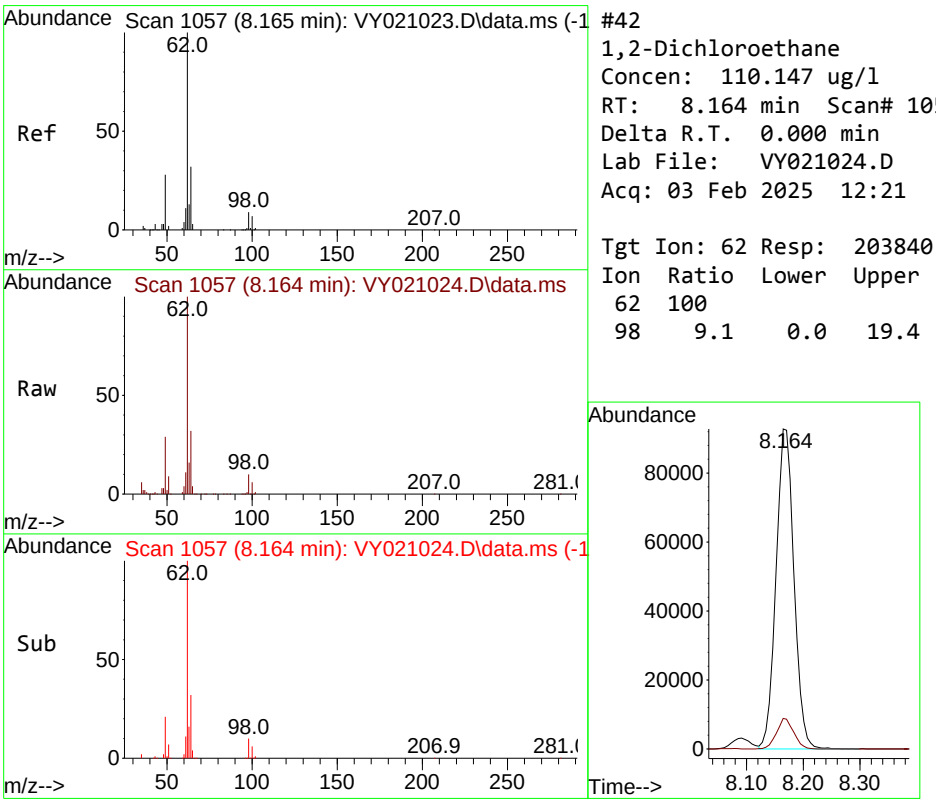
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 62.0 | 41.6 | 62.4 |
| 67 | 86.8 | 63.8 | 95.6 |
| 52 | 37.4 | 25.5 | 38.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

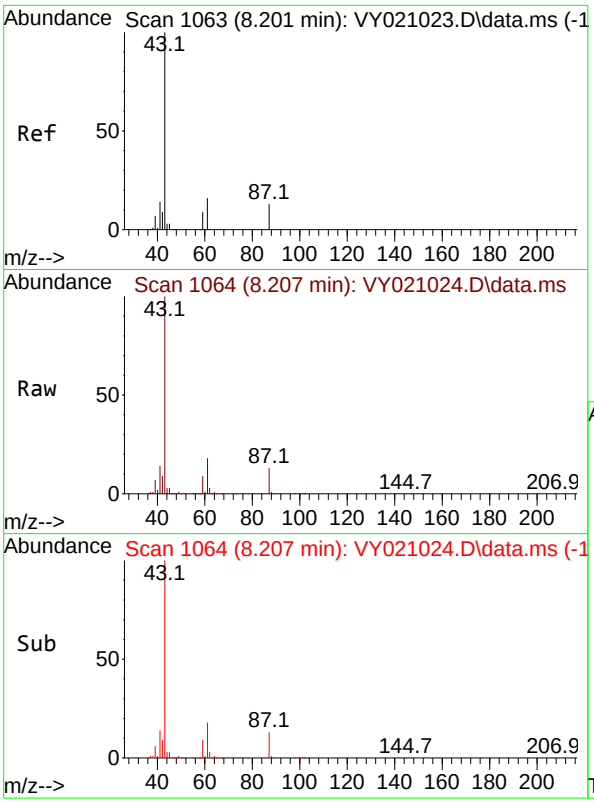
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025




#42
1,2-Dichloroethane
Concen: 110.147 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 62 Resp: 203840

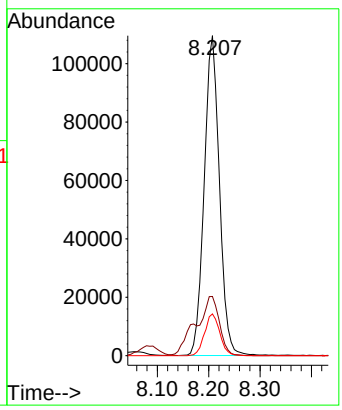
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 19.4 |




#43
Isopropyl Acetate
Concen: 121.752 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 22488

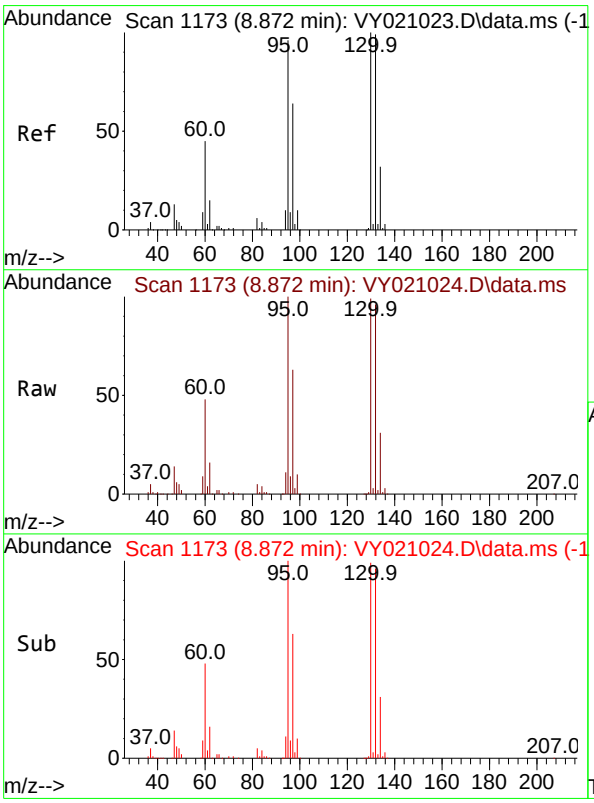
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 28.6 | 15.8 | 23.6 |
| 87 | 13.1 | 12.5 | 18.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

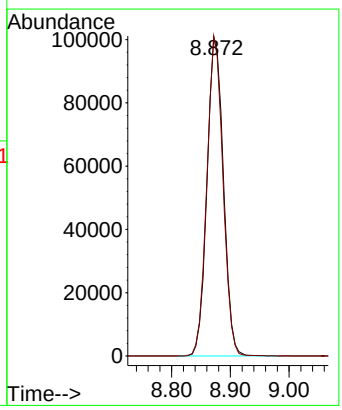
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

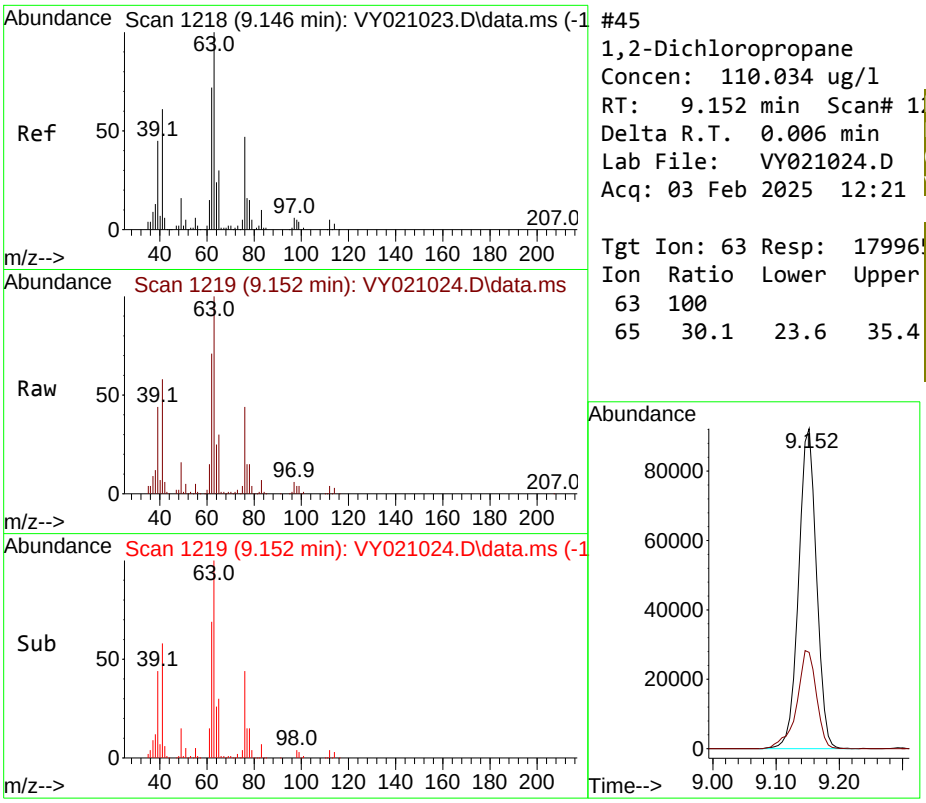



#44
Trichloroethene
Concen: 97.046 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:130 Resp: 195403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.5 | 0.0 | 189.6 |






#45
1,2-Dichloropropane
Concen: 110.034 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 17996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.1 | 23.6 | 35.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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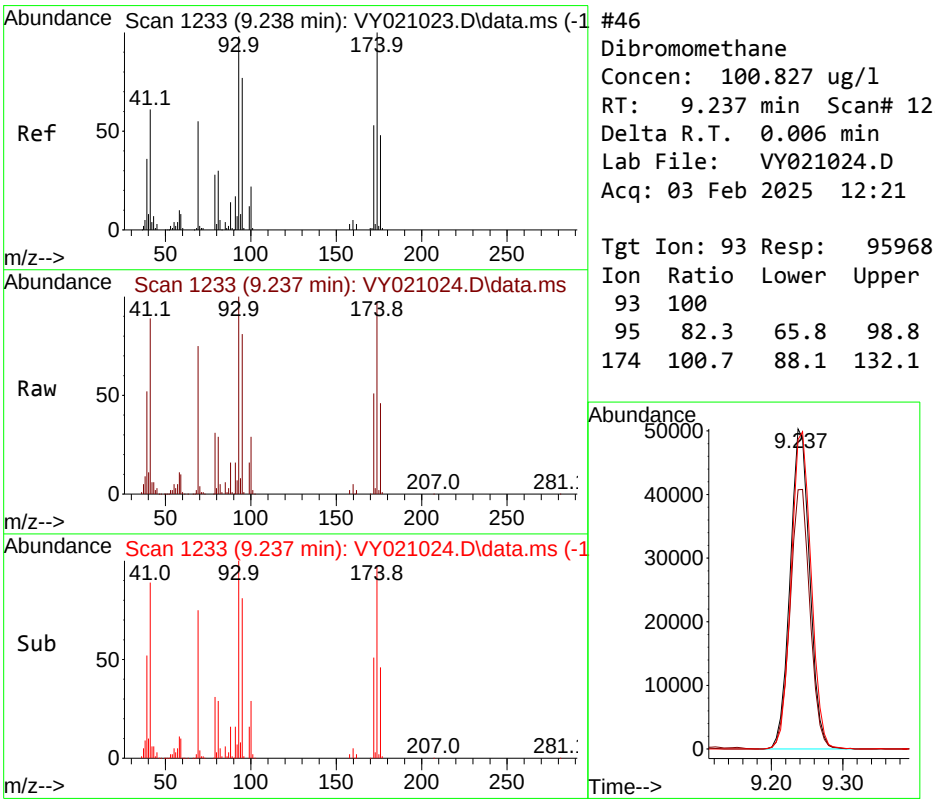
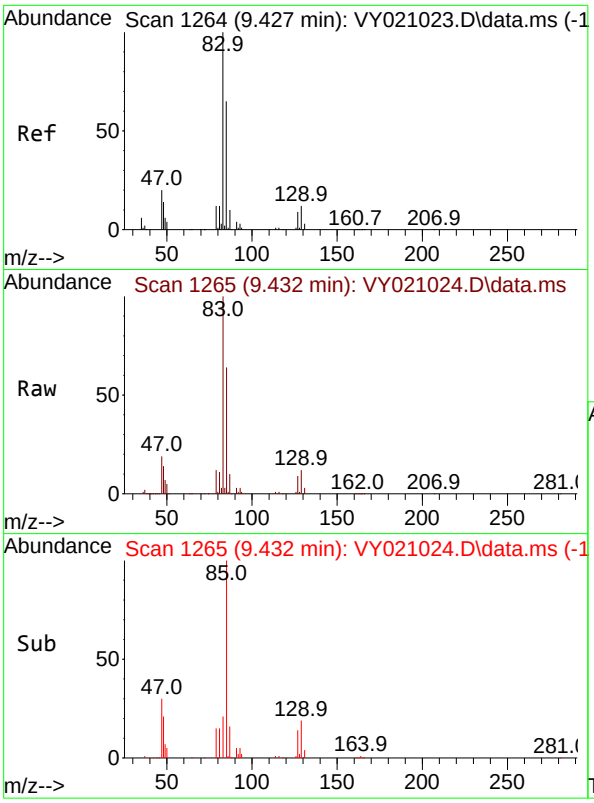



#46
Dibromomethane
Concen: 100.827 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 93 Resp: 95968

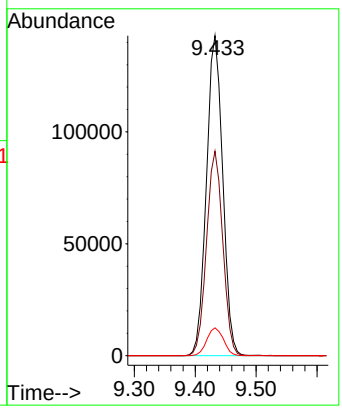
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.8 | 98.8 |
| 174 | 100.7 | 88.1 | 132.1 |




#47
Bromodichloromethane
Concen: 106.226 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 26551

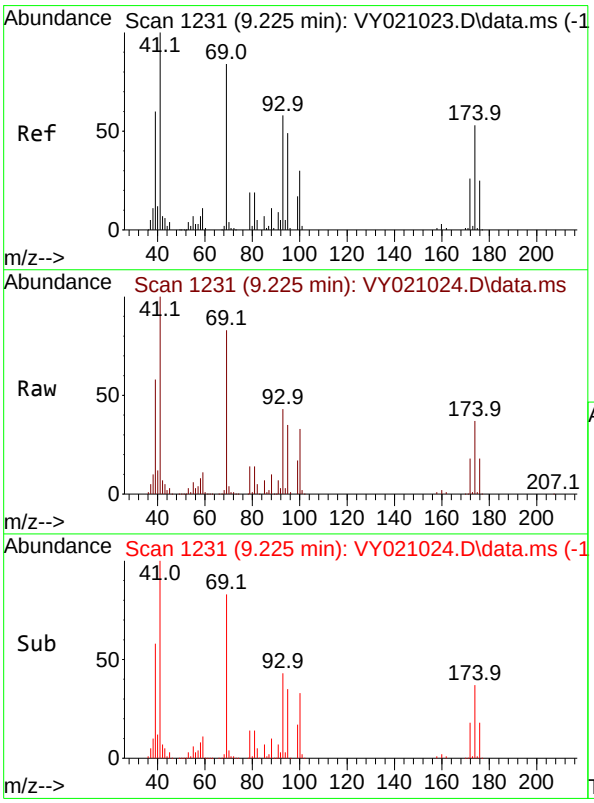
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 49.6 | 74.4 |
| 127 | 8.7 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

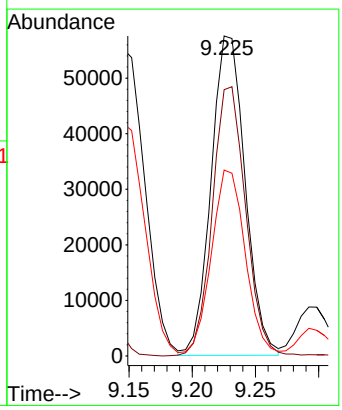
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

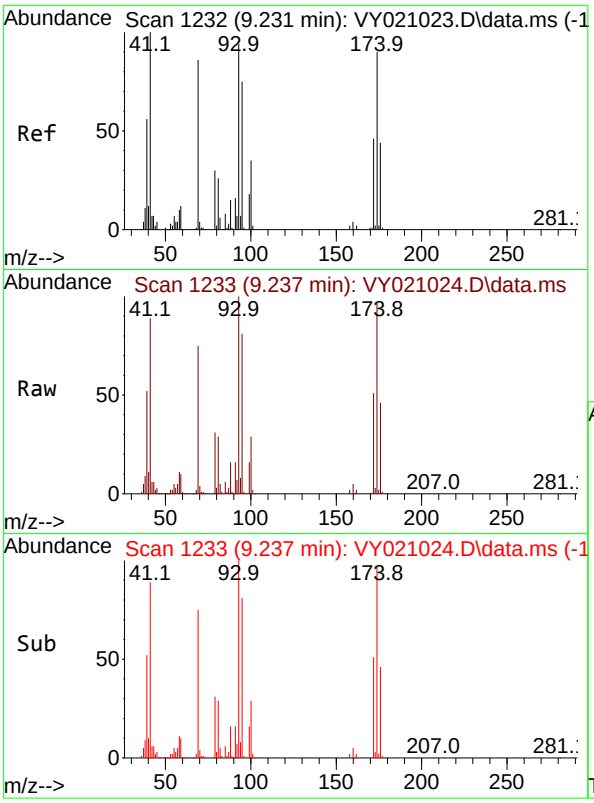



#48
Methyl methacrylate
Concen: 122.427 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 107661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.8 | 75.6 | 113.4 |
| 39 | 56.2 | 41.3 | 61.9 |

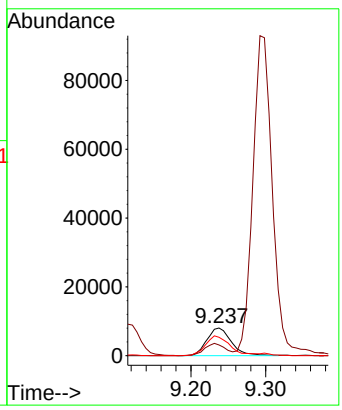





#49
1,4-Dioxane
Concen: 1817.108 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 88 Resp: 1837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.9 | 24.2 | 36.4 |
| 58 | 71.1 | 57.3 | 85.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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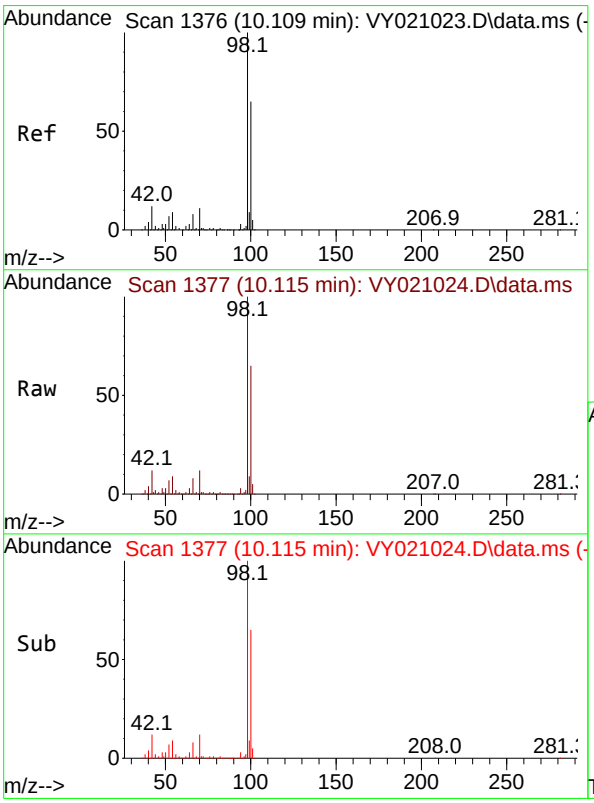
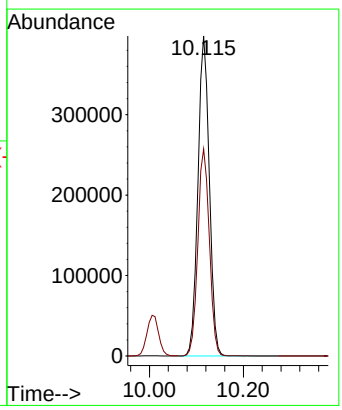
Supervised By :Semsettin Yesilyurt 02/04/2025

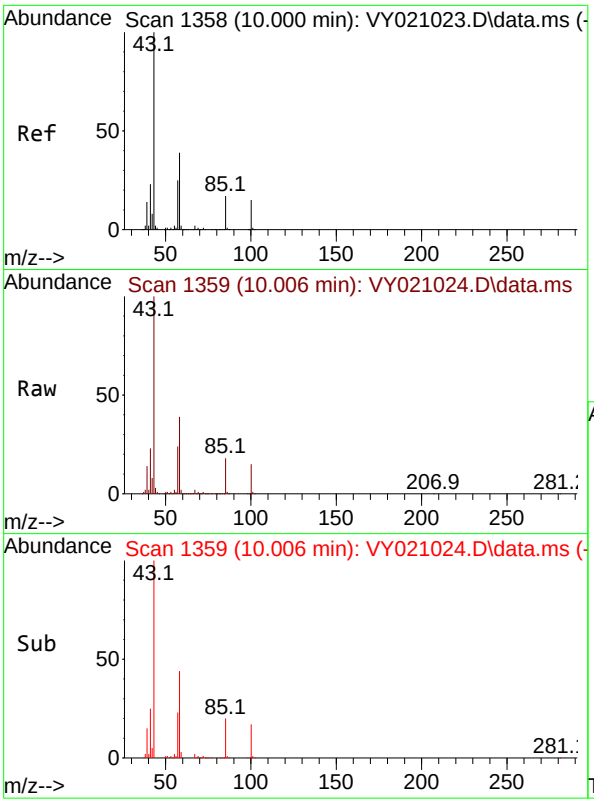



#50
Toluene-d8
Concen: 98.702 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 98 Resp: 669691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 52.6 | 79.0 |






#51
4-Methyl-2-Pentanone
Concen: 592.226 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 56208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.7 | 33.8 | 50.8 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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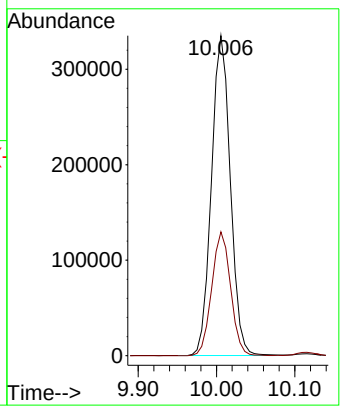
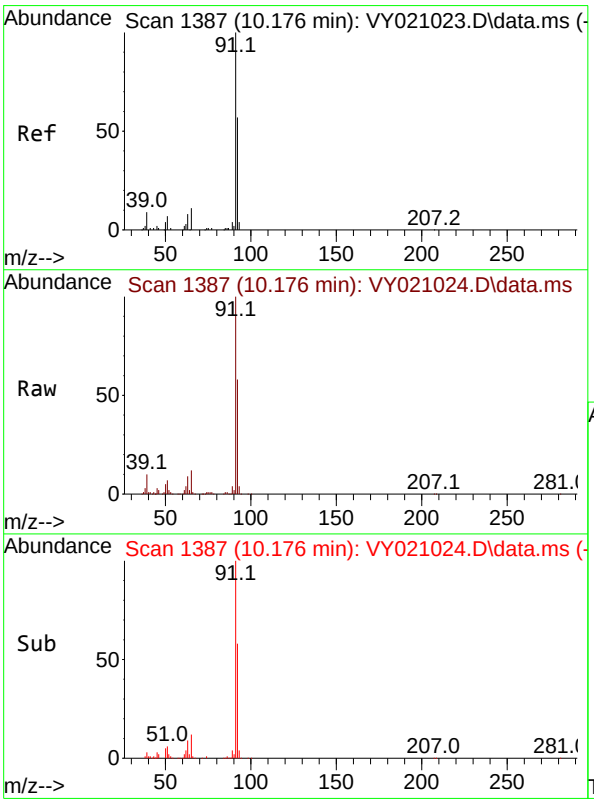
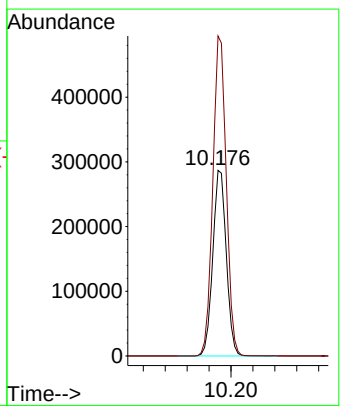


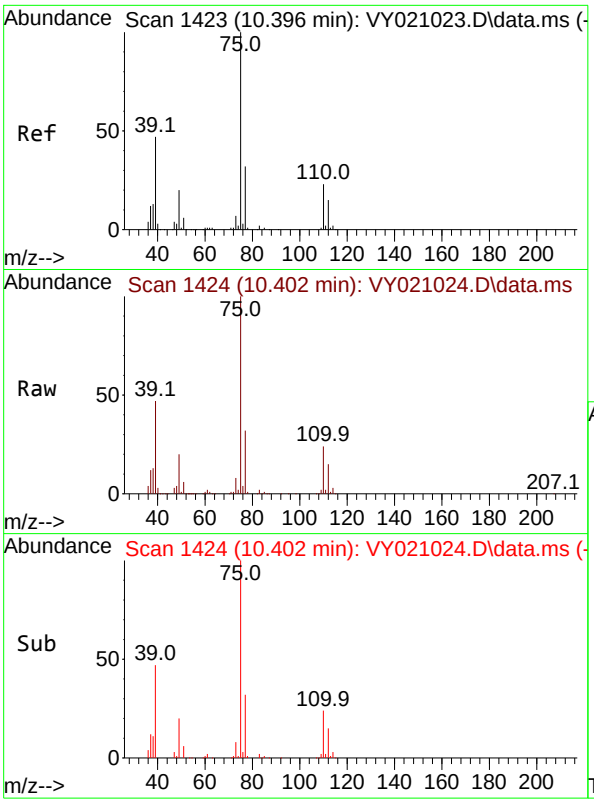




#52
Toluene
Concen: 103.090 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 92 Resp: 488296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.7 | 135.8 | 203.8 |

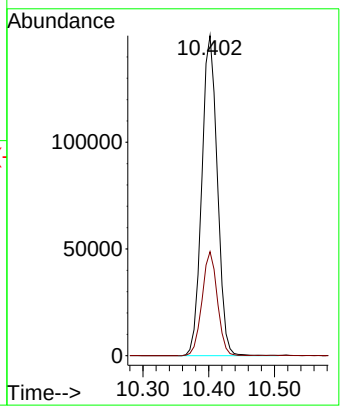





#53
t-1,3-Dichloropropene
Concen: 109.097 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 24676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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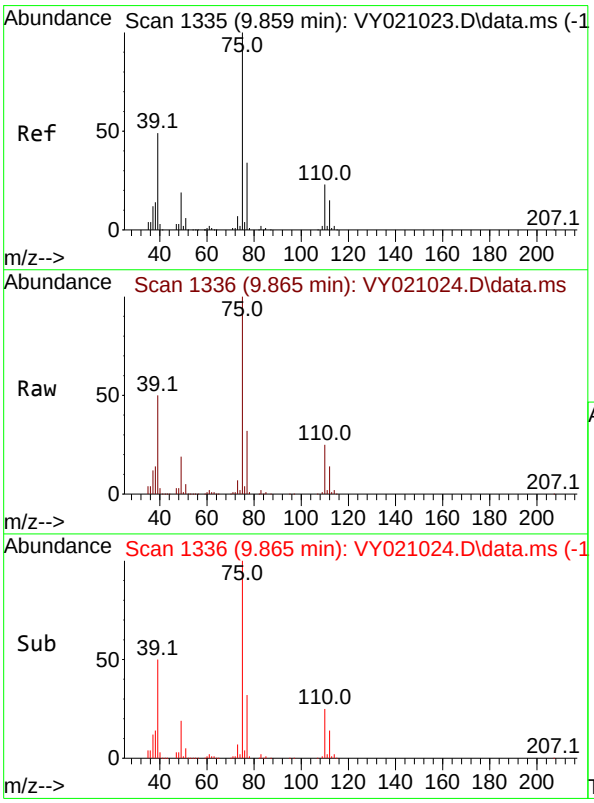
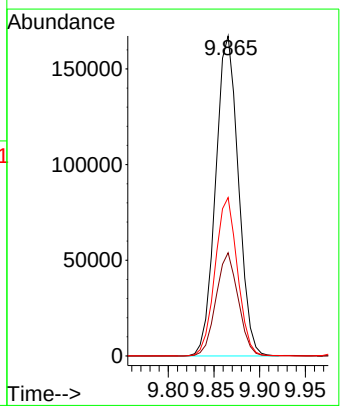
Supervised By :Semsettin Yesilyurt 02/04/2025

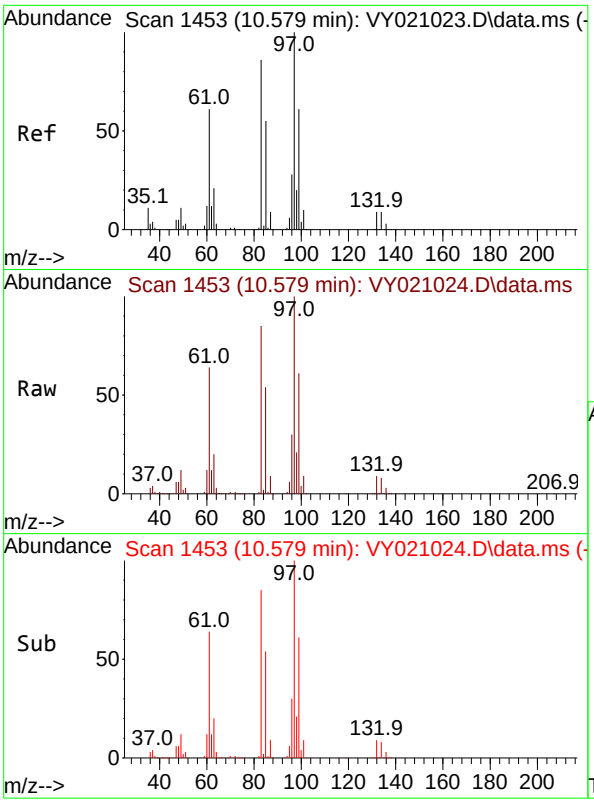



#54
cis-1,3-Dichloropropene
Concen: 107.141 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 289643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.4 | 38.0 |
| 39 | 49.5 | 32.2 | 48.2# |

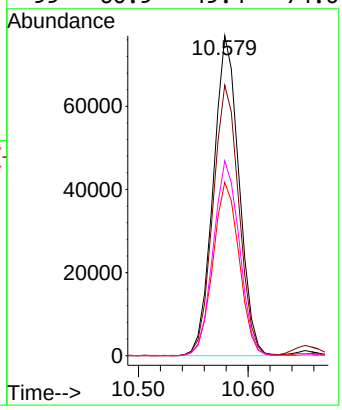





#55
1,1,2-Trichloroethane
Concen: 99.248 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 97 Resp: 12562

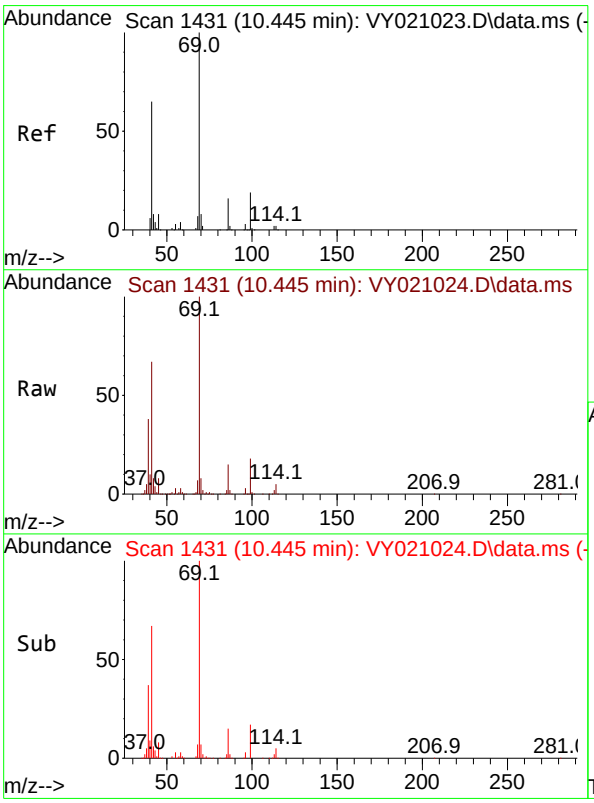
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.5 | 67.7 | 101.5 |
| 85 | 54.2 | 43.4 | 65.2 |
| 99 | 60.9 | 49.4 | 74.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

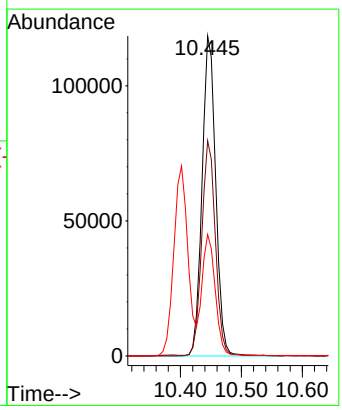
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

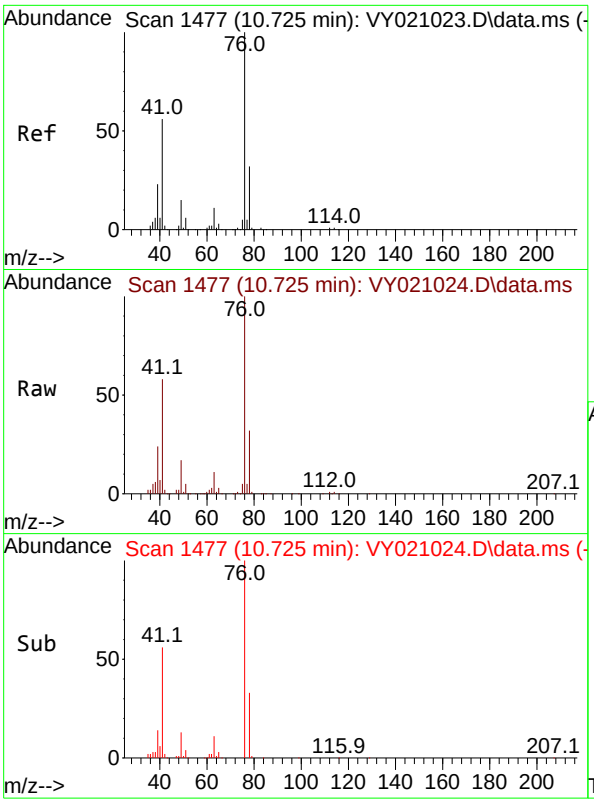



#56
Ethyl methacrylate
Concen: 111.337 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 69 Resp: 184212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 66.9 | 46.3 | 69.5 |
| 39 | 36.5 | 24.5 | 36.7 |

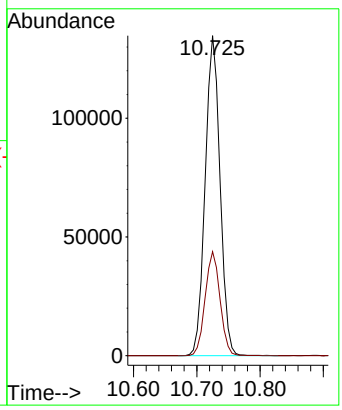





#57
1,3-Dichloropropane
Concen: 102.639 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 76 Resp: 22020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 25.8 | 38.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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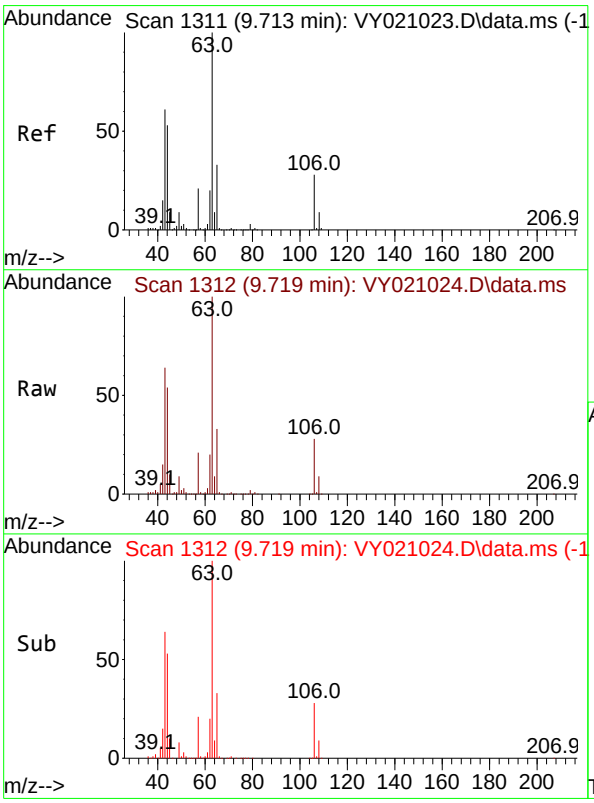
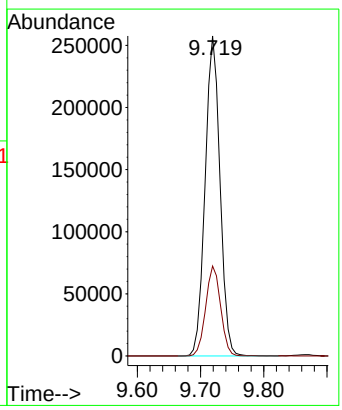
Supervised By :Semsettin Yesilyurt 02/04/2025

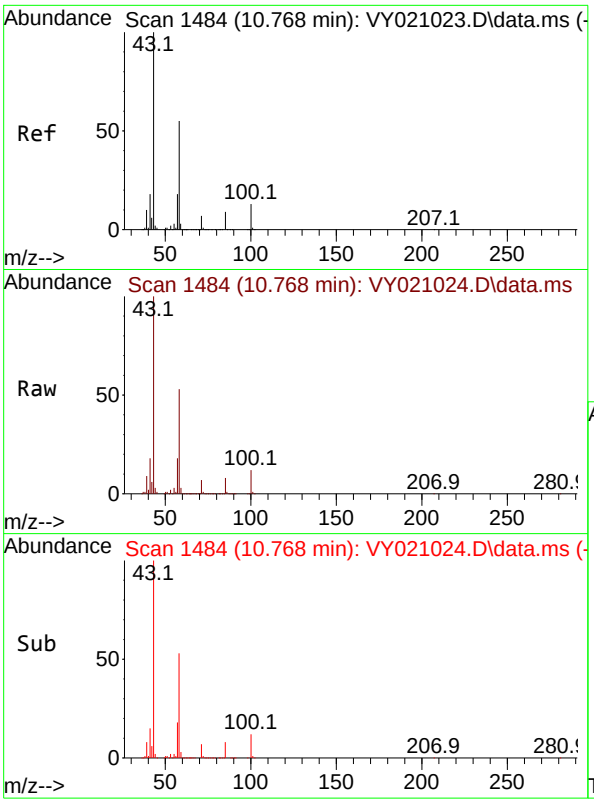



#58
2-Chloroethyl Vinyl ether
Concen: 599.795 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 421206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 24.7 | 37.1 |






#59
2-Hexanone
Concen: 605.028 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 37324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.4 | 29.8 | 89.3 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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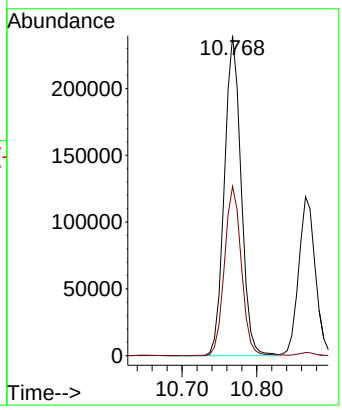
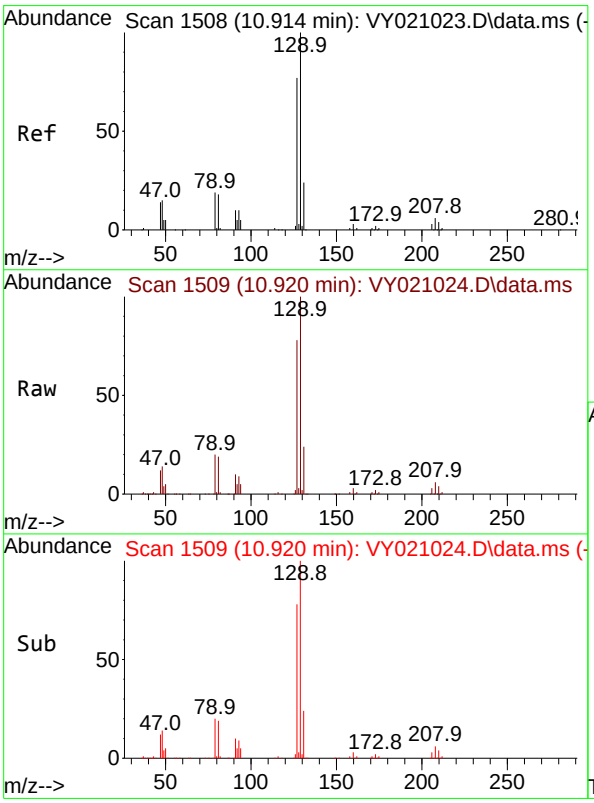
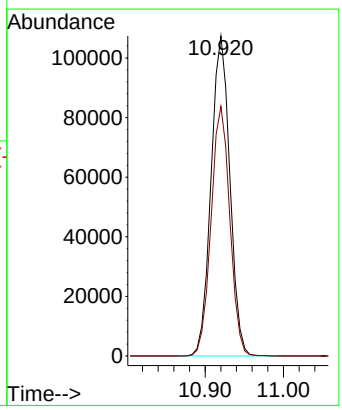


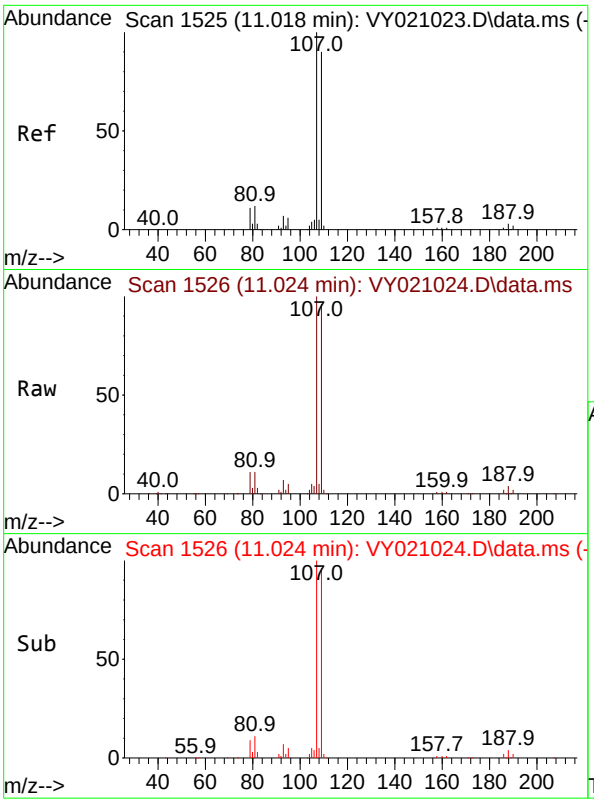




#60
Dibromochloromethane
Concen: 99.202 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:129 Resp: 179036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 38.5 | 115.3 |

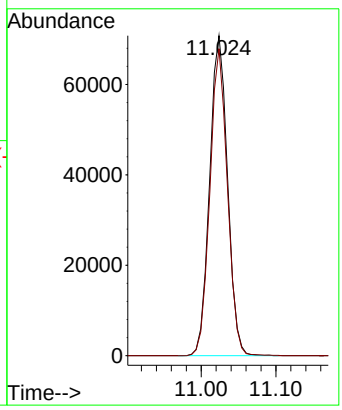





#61
1,2-Dibromoethane
Concen: 97.250 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:107 Resp: 11757

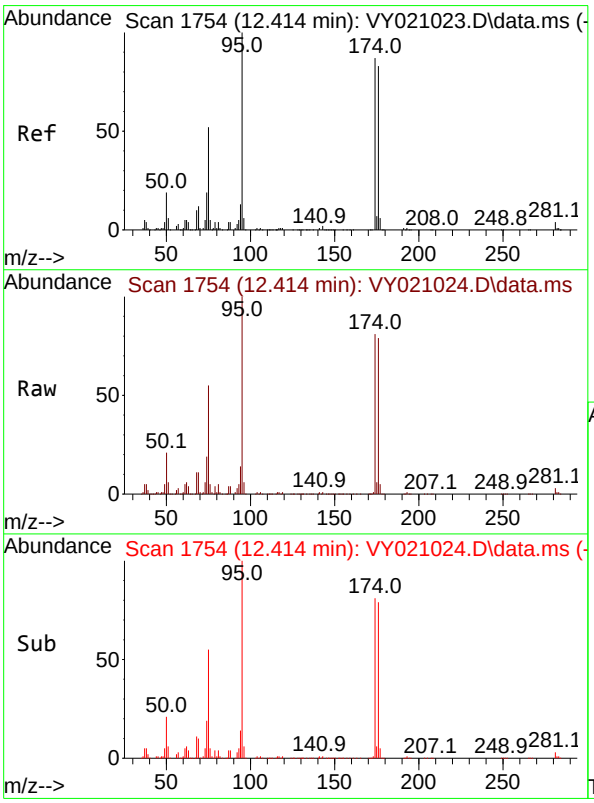
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 76.6 | 114.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

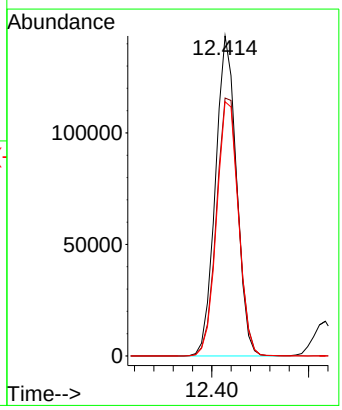
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

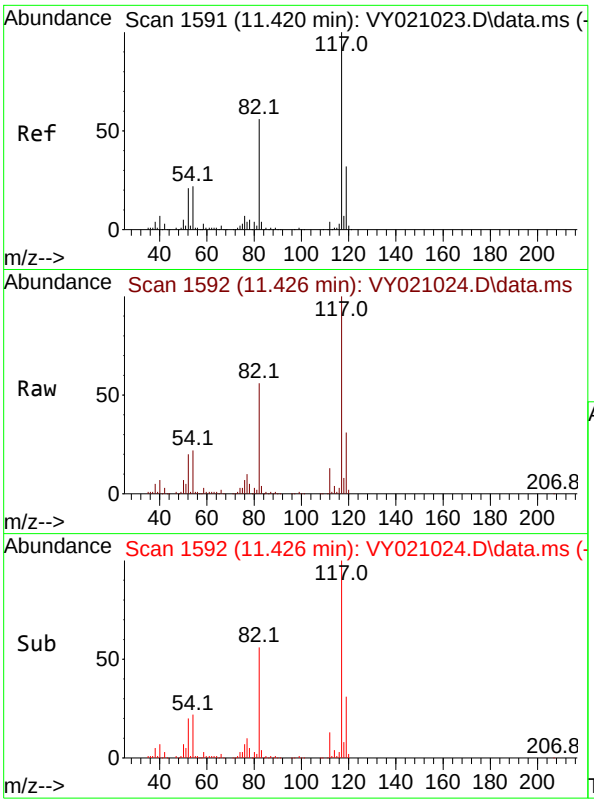



#62
4-Bromofluorobenzene
Concen: 95.157 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 95 Resp: 216644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.9 | 0.0 | 181.2 |
| 176 | 82.0 | 0.0 | 175.2 |

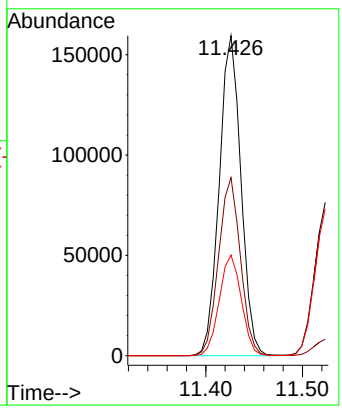





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 24817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 44.2 | 66.2 |
| 119 | 31.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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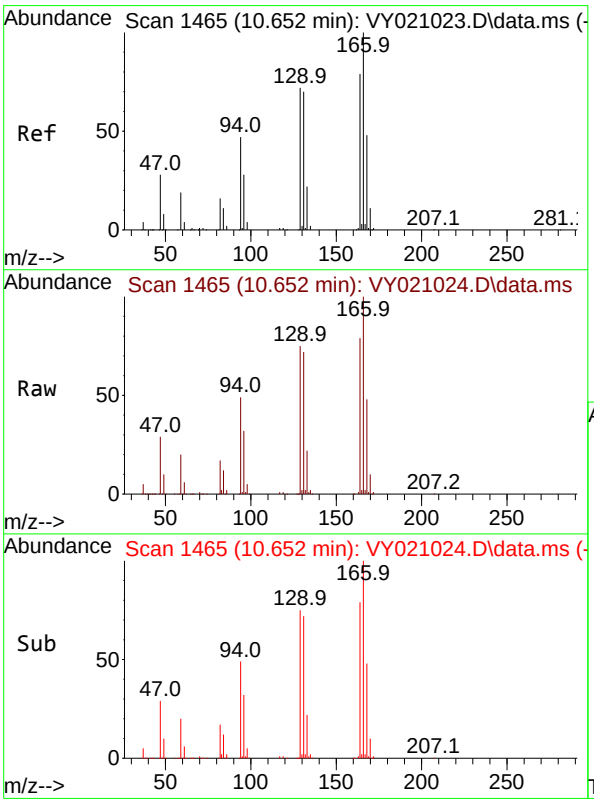
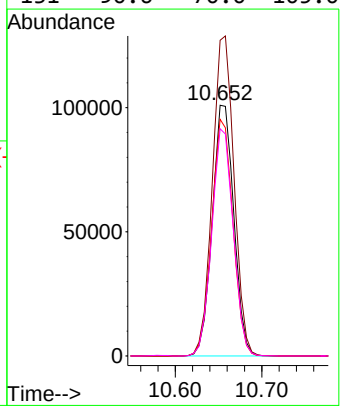
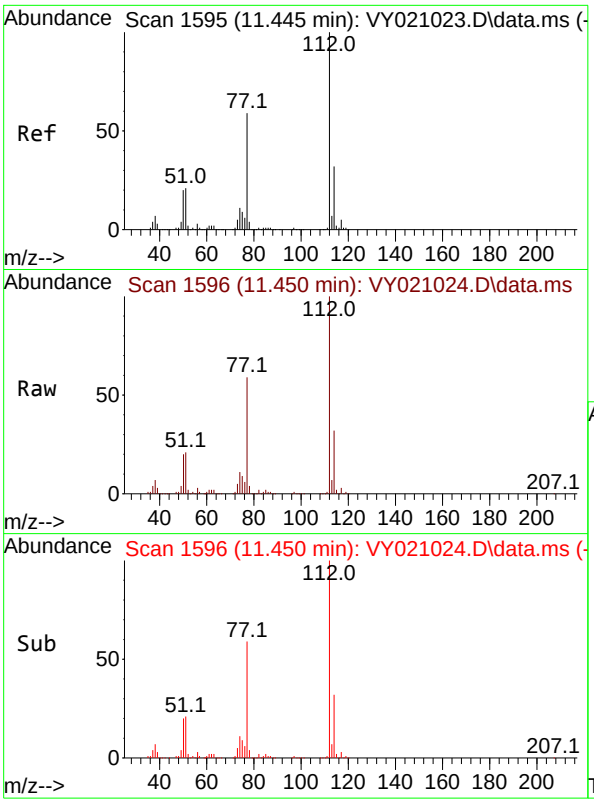



#64
Tetrachloroethene
Concen: 93.066 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:164 Resp: 174223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.9 | 100.4 | 150.6 |
| 129 | 94.4 | 70.8 | 106.2 |
| 131 | 90.6 | 70.0 | 105.0 |

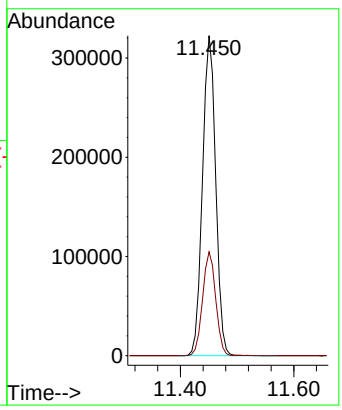





#65
Chlorobenzene
Concen: 99.441 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:112 Resp: 51994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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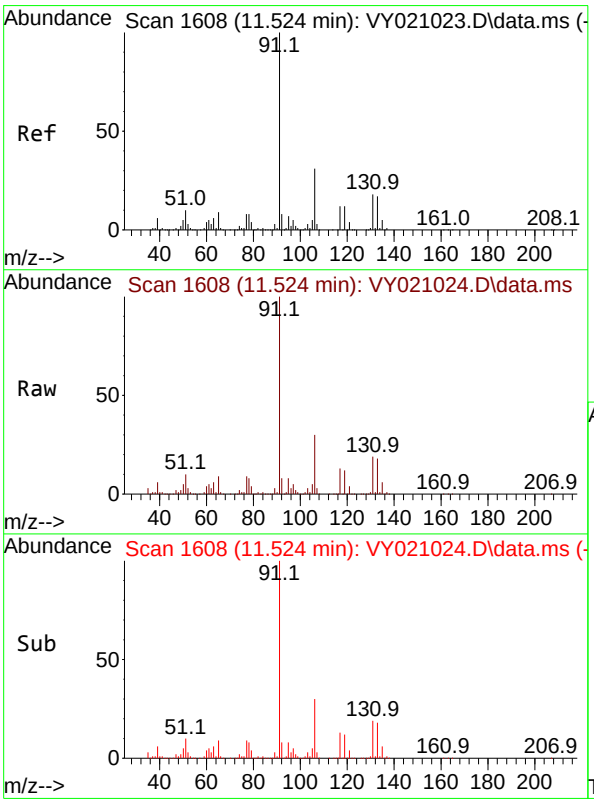
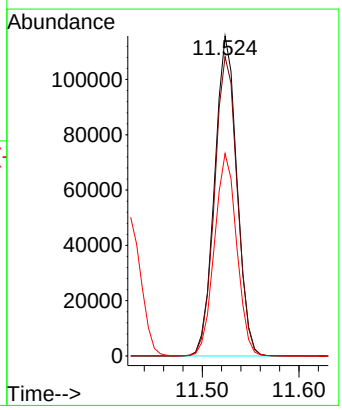
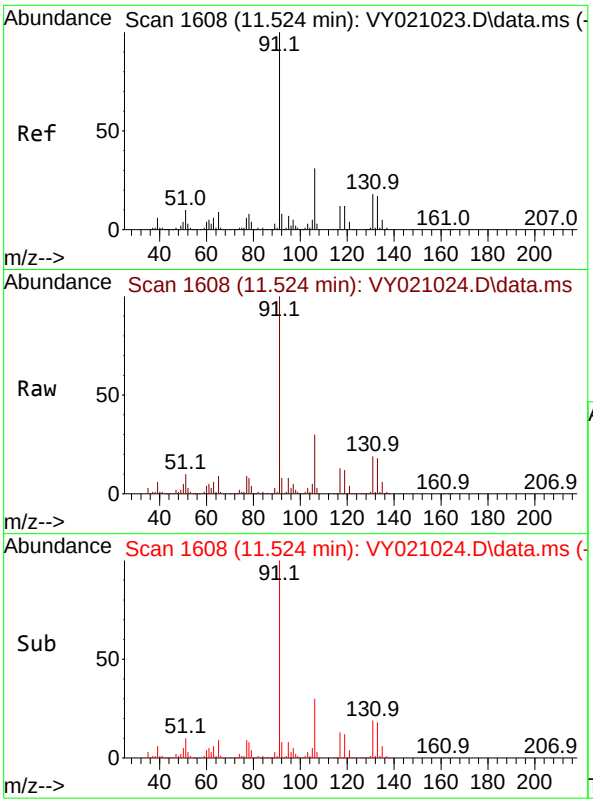



#66
1,1,1,2-Tetrachloroethane
Concen: 99.917 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:131 Resp: 185418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 48.7 | 146.1 |
| 119 | 63.0 | 31.4 | 94.3 |

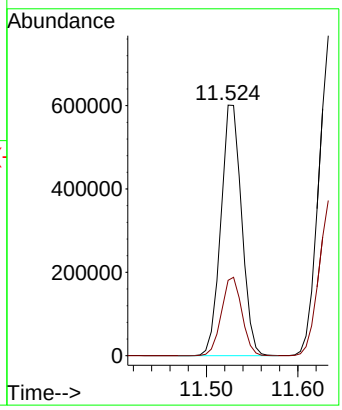





#67
Ethyl Benzene
Concen: 104.939 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 95001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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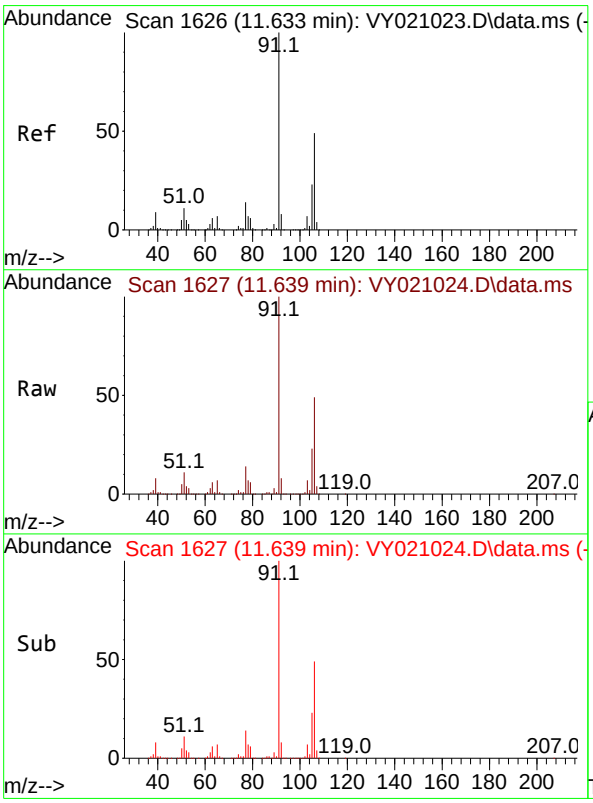
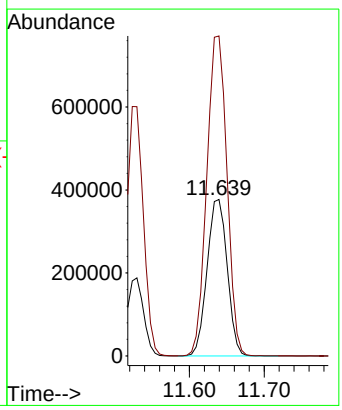
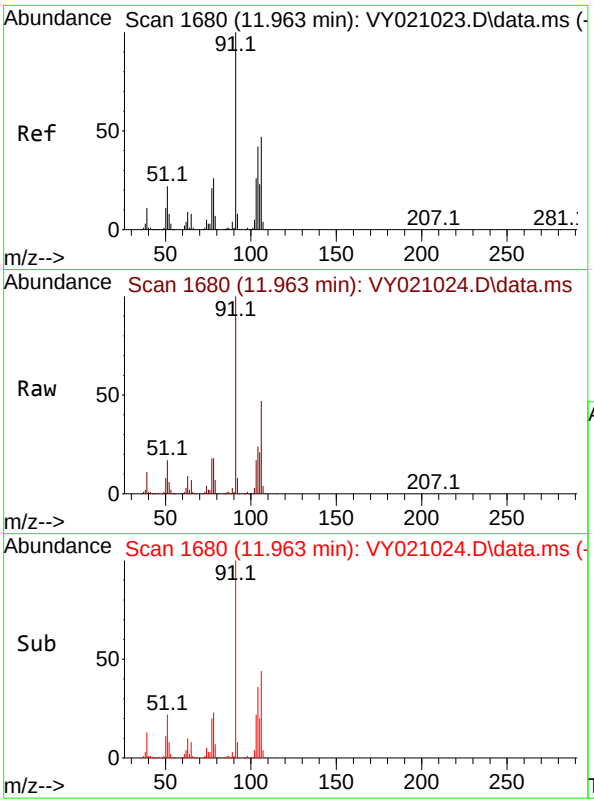



#68
m/p-Xylenes
Concen: 202.801 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:106 Resp: 705393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.1 | 160.0 | 240.0 |






#69
o-Xylene
Concen: 102.783 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:106 Resp: 33234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.9 | 105.8 | 317.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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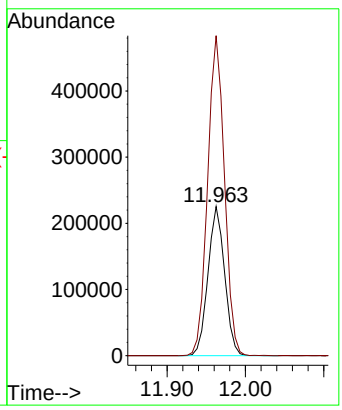
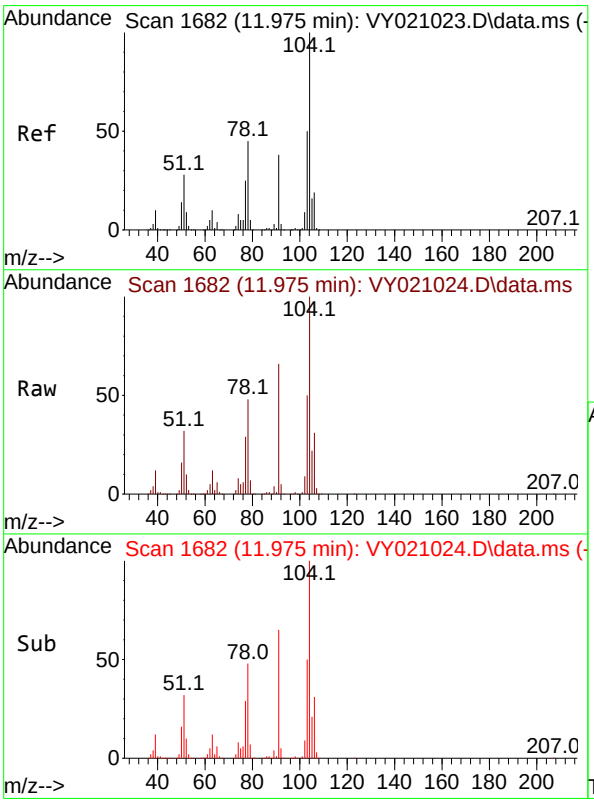
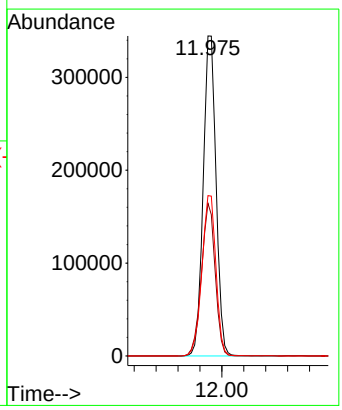


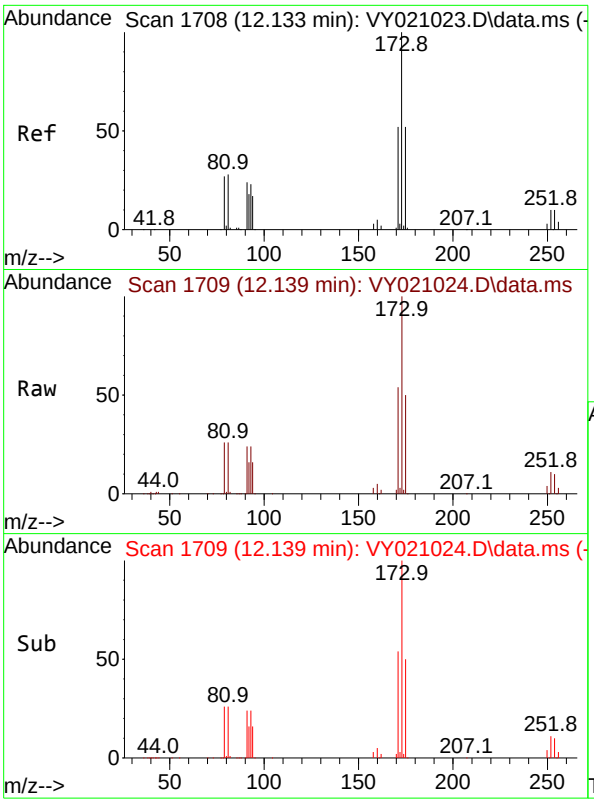




#70
Styrene
Concen: 104.245 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:104 Resp: 559633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.9 | 39.0 | 58.4 |
| 103 | 54.6 | 43.7 | 65.5 |

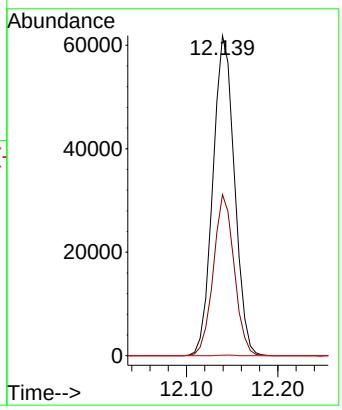





#71
Bromoform
Concen: 92.910 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:173 Resp: 10161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.1 | 72.2 |
| 254 | 0.1 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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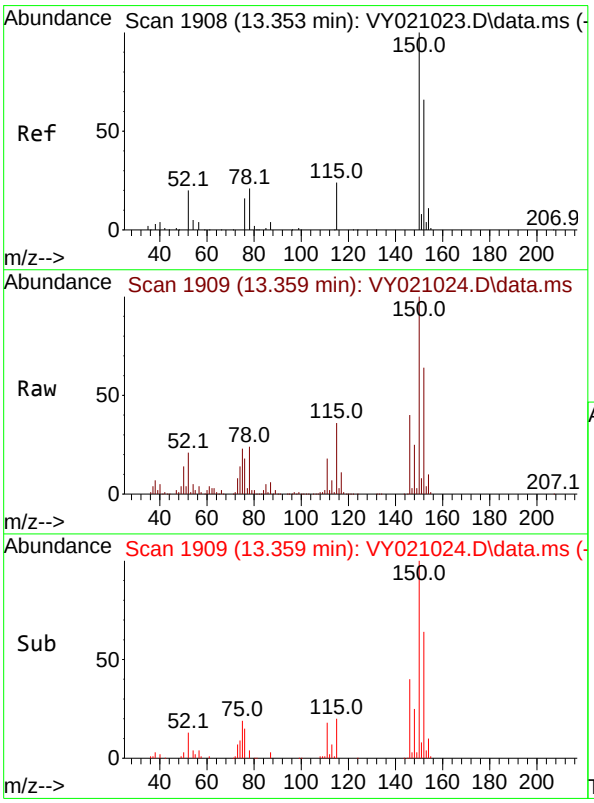
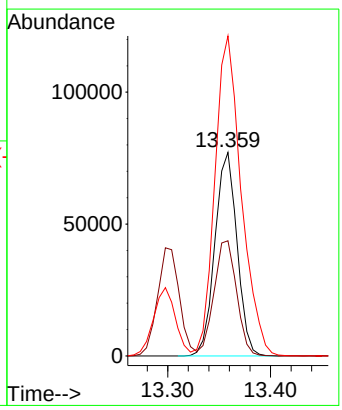
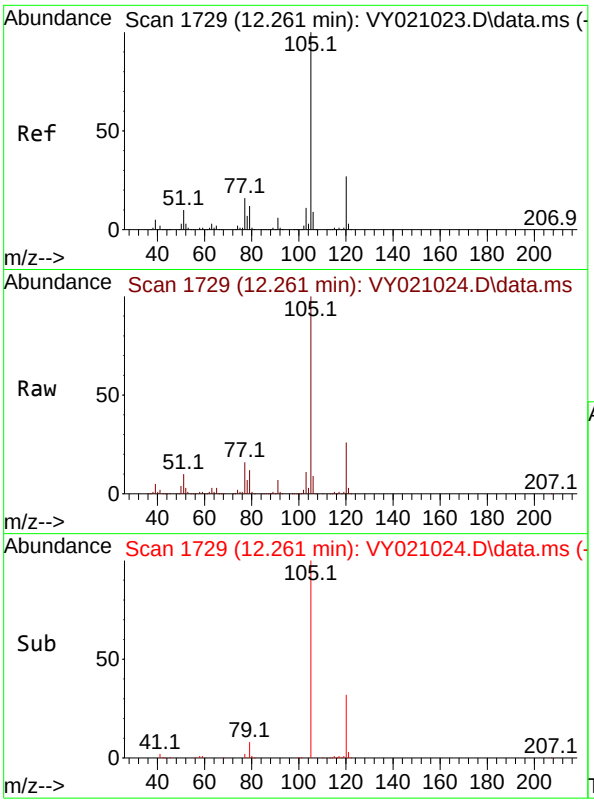



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:152 Resp: 115163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.0 | 28.4 | 85.2 |
| 150 | 188.0 | 0.0 | 342.8 |

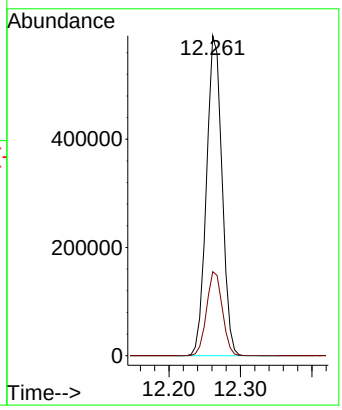





#73
Isopropylbenzene
Concen: 110.247 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 89169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 13.4 | 40.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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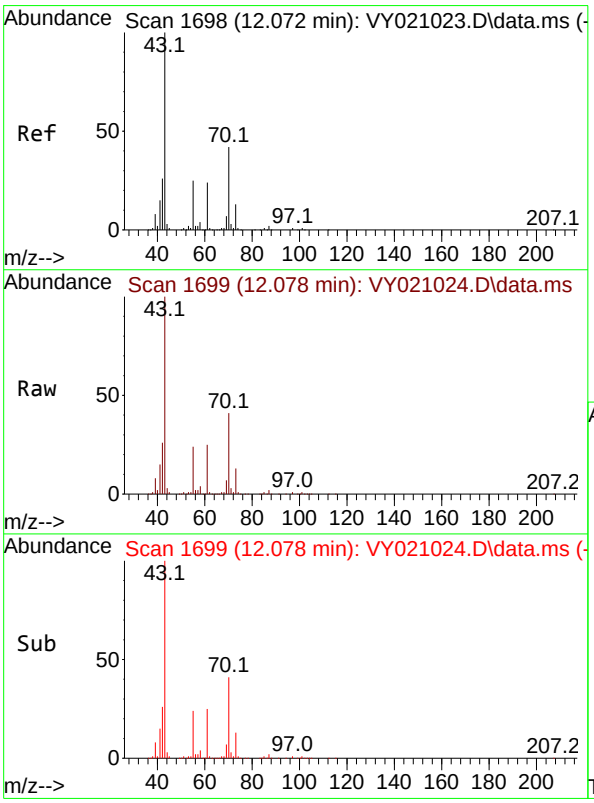
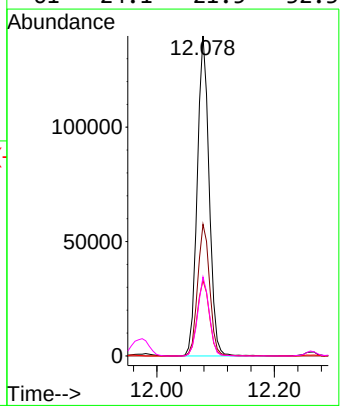
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

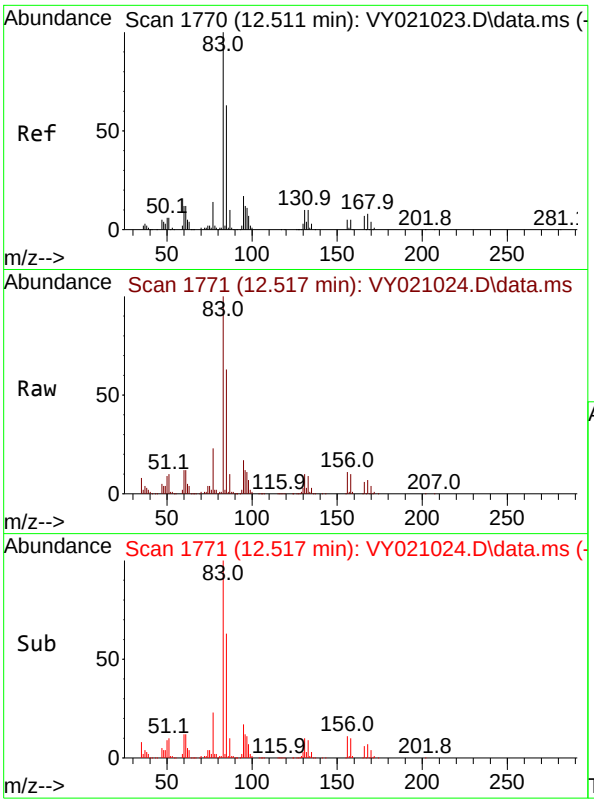



#74
N-amyl acetate
Concen: 133.629 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 196809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.4 | 39.3 | 58.9 |
| 55 | 24.2 | 22.3 | 33.5 |
| 61 | 24.1 | 21.5 | 32.3 |

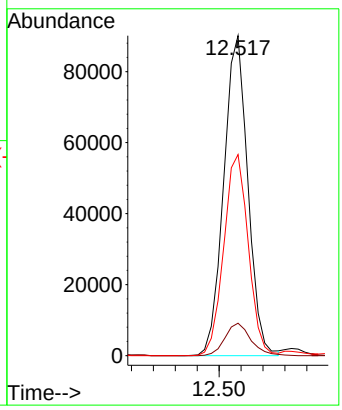





#75
1,1,2,2-Tetrachloroethane
Concen: 105.393 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 13759

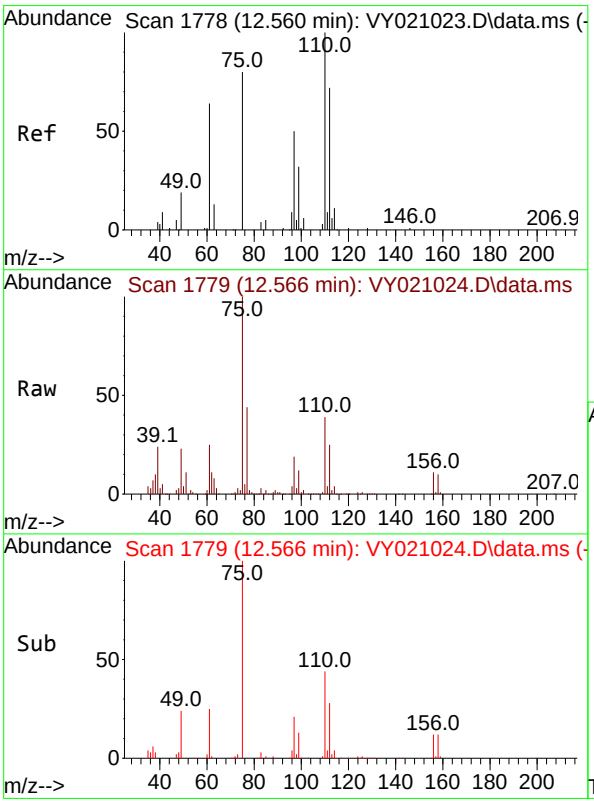
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 5.7 | 17.1 |
| 85 | 64.0 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

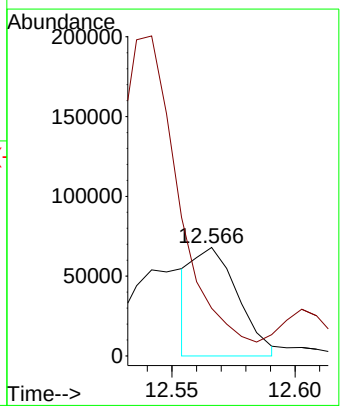
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

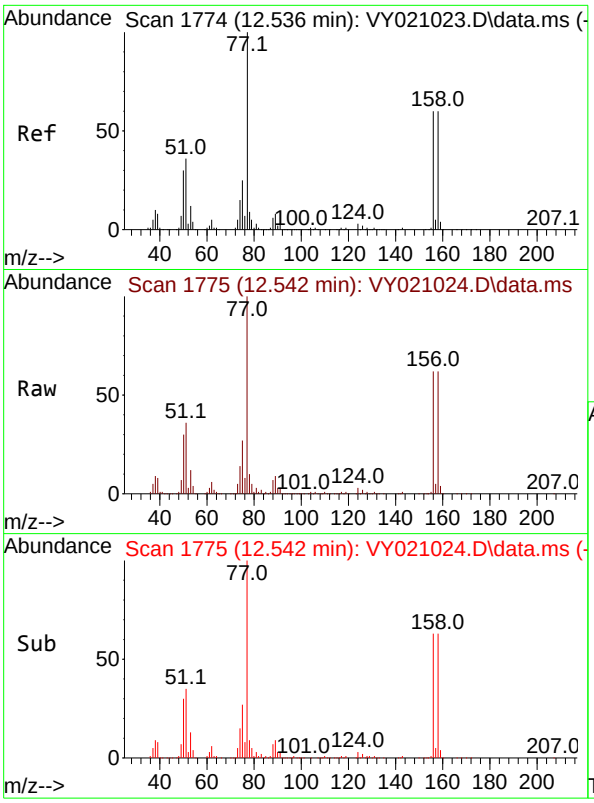



#76
1,2,3-Trichloropropane
Concen: 95.537 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 87097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

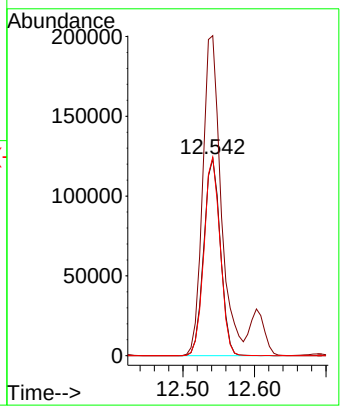





#77
Bromobenzene
Concen: 103.627 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:156 Resp: 19871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 179.5 | 83.3 | 249.9 |
| 158 | 98.1 | 48.3 | 144.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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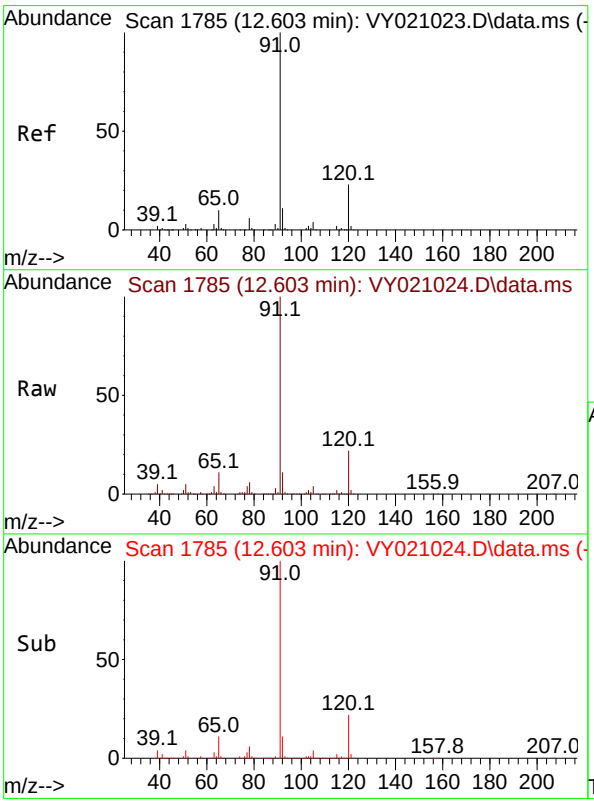
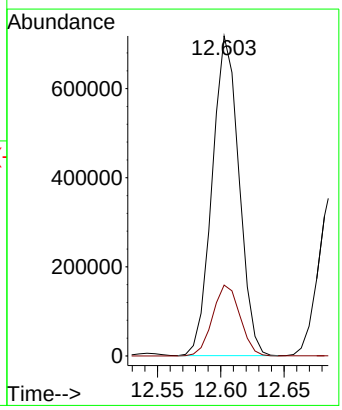
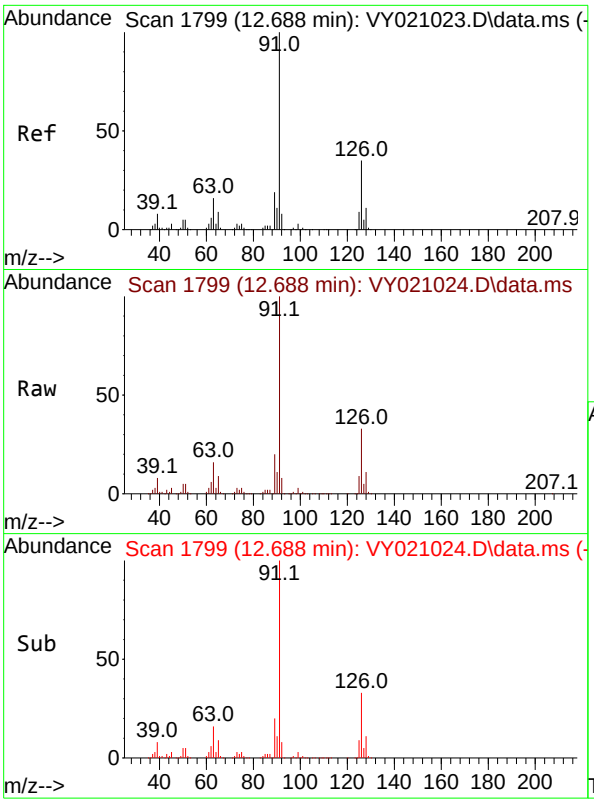



#78
n-propylbenzene
Concen: 111.529 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 1057216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.8 | 35.4 |

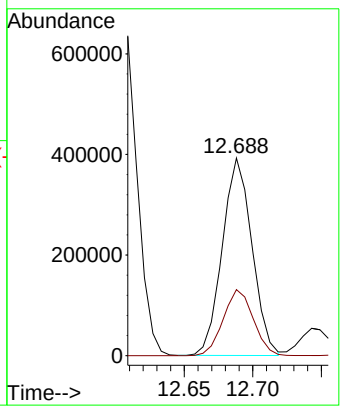





#79
2-Chlorotoluene
Concen: 109.632 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 59209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.9 | 17.3 | 51.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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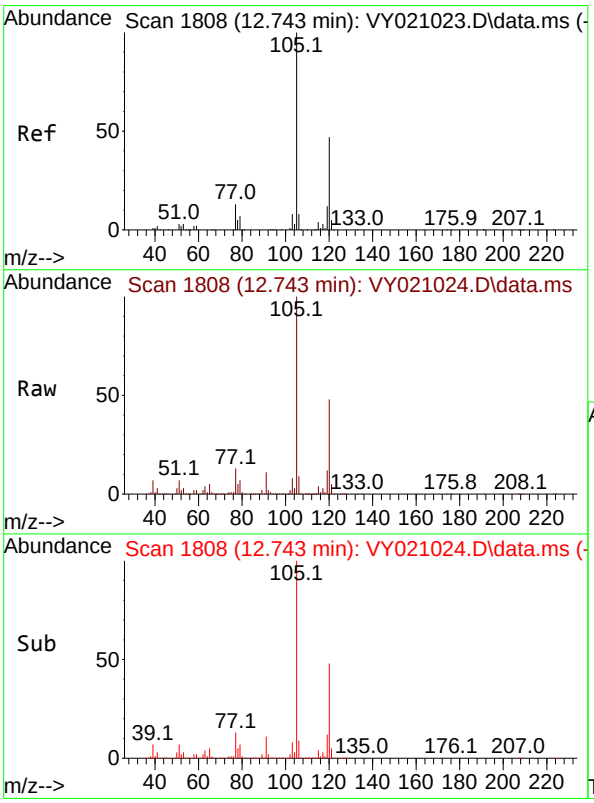
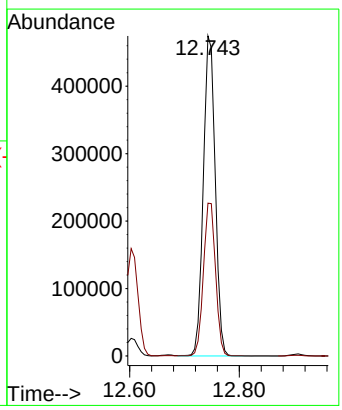
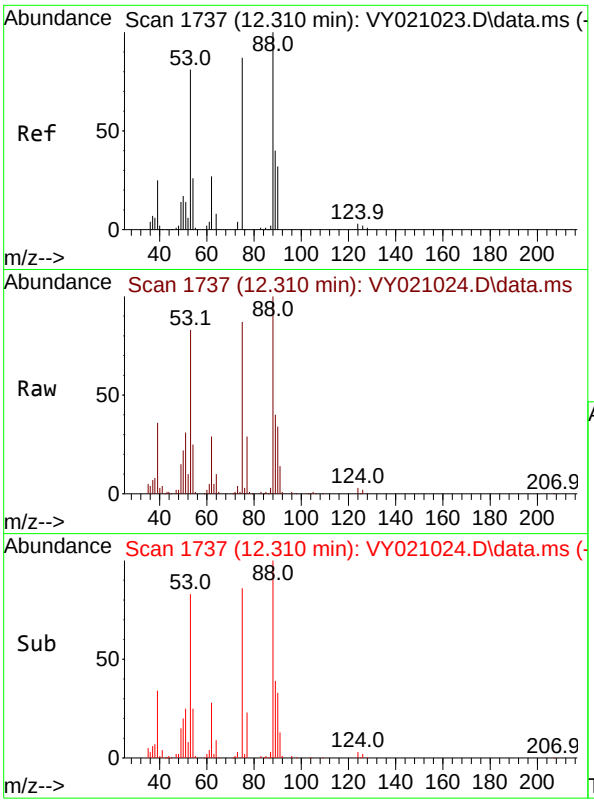



#80
1,3,5-Trimethylbenzene
Concen: 107.741 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 713935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 24.3 | 72.9 |

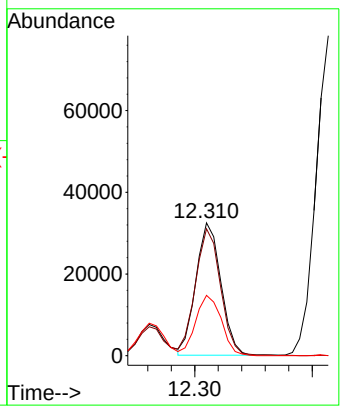





#81
trans-1,4-Dichloro-2-butene
Concen: 108.944 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 4784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 97.1 | 68.6 | 103.0 |
| 89 | 47.0 | 38.1 | 57.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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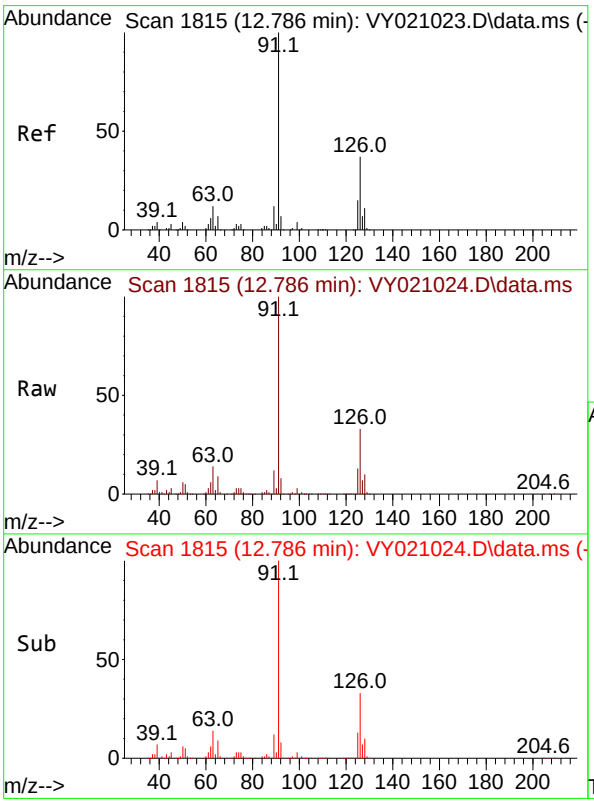
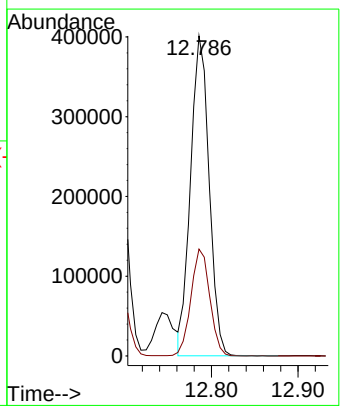
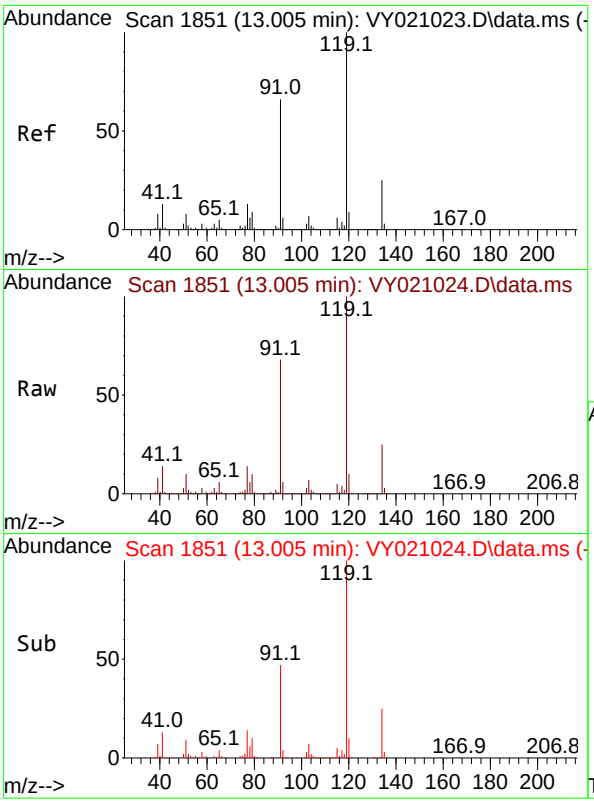



#82
4-Chlorotoluene
Concen: 108.014 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 597047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 17.3 | 52.0 |

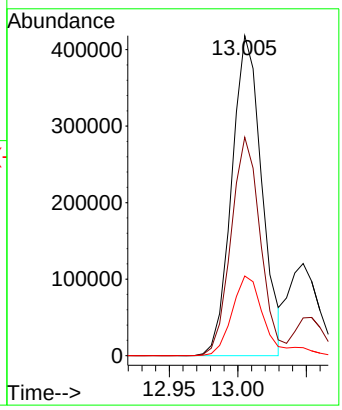





#83
tert-Butylbenzene
Concen: 103.933 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:119 Resp: 63874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.9 | 31.4 | 94.0 |
| 134 | 27.2 | 13.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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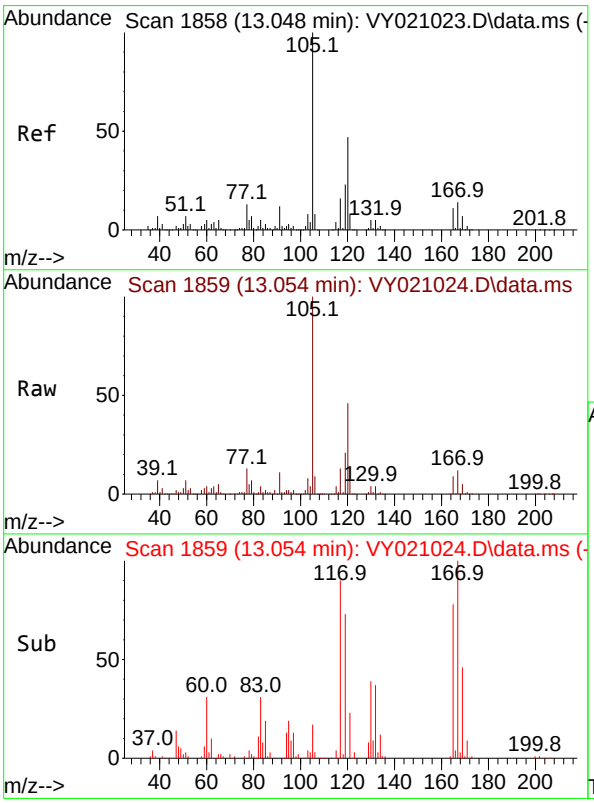
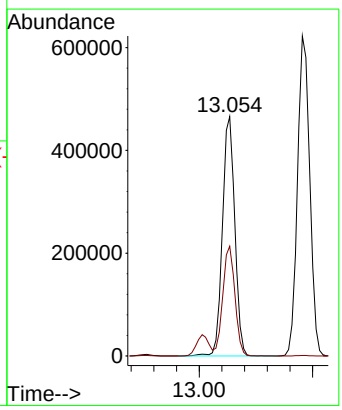
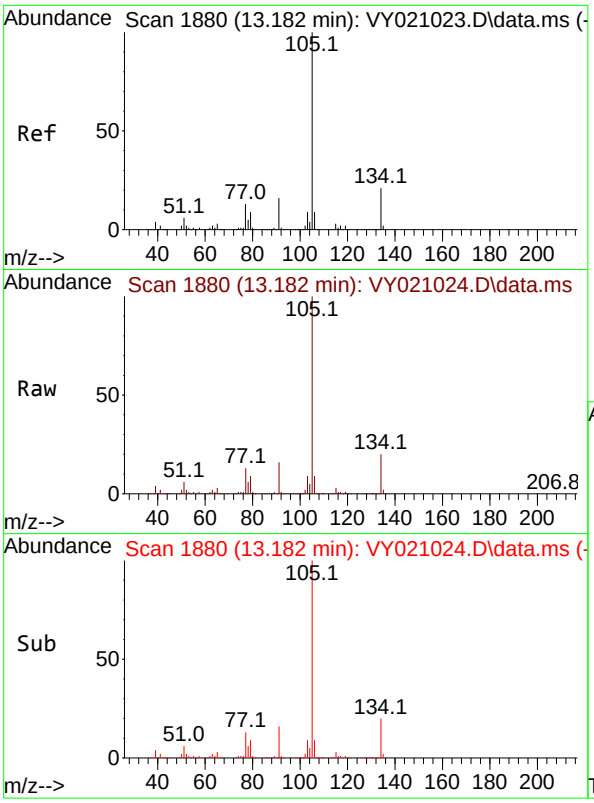



#84
1,2,4-Trimethylbenzene
Concen: 108.409 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 701716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.1 | 22.7 | 68.0 |

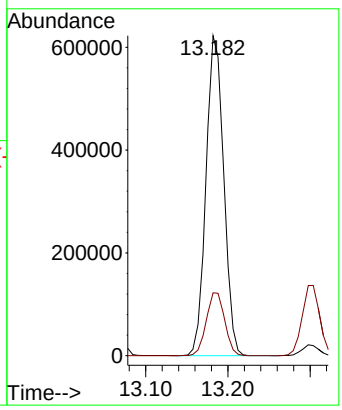





#85
sec-Butylbenzene
Concen: 107.093 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 93179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 10.3 | 30.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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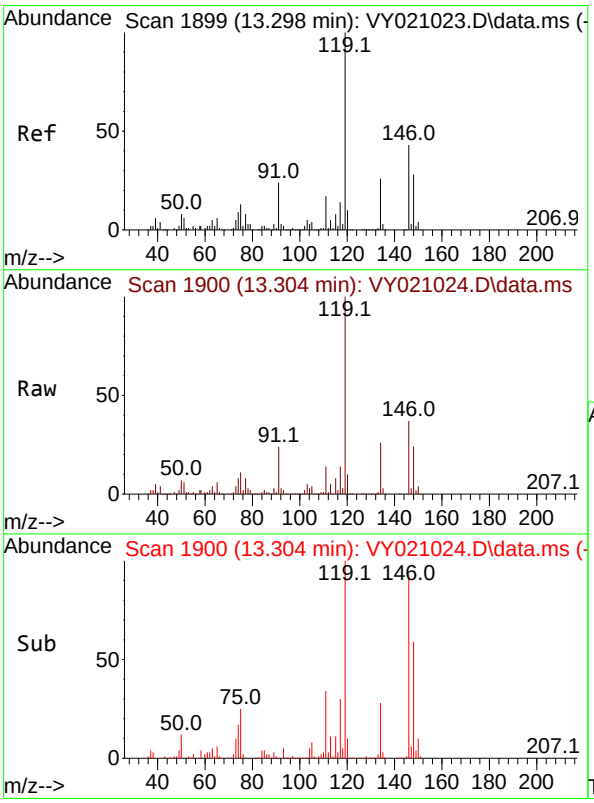
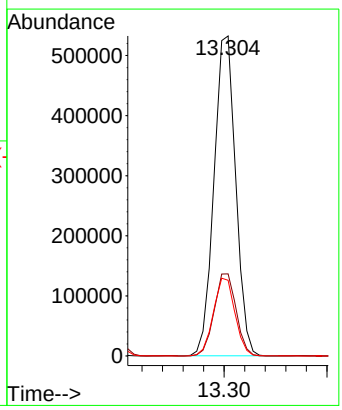
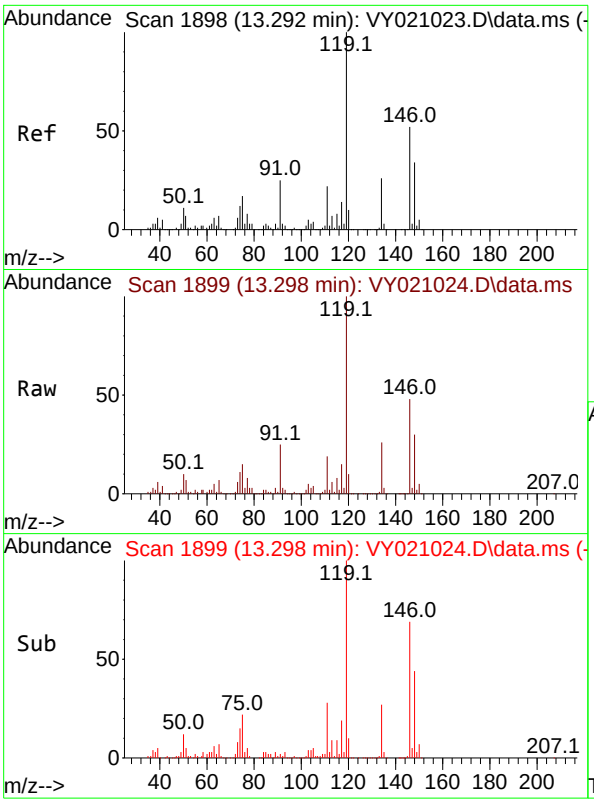



#86
p-Isopropyltoluene
Concen: 106.512 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:119 Resp: 778814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.1 | 39.3 |
| 91 | 24.2 | 11.5 | 34.5 |

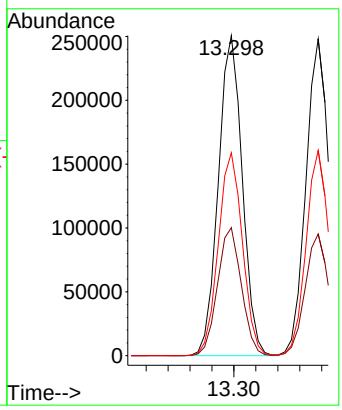





#87
1,3-Dichlorobenzene
Concen: 101.760 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 38048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 19.7 | 59.1 |
| 148 | 64.0 | 32.1 | 96.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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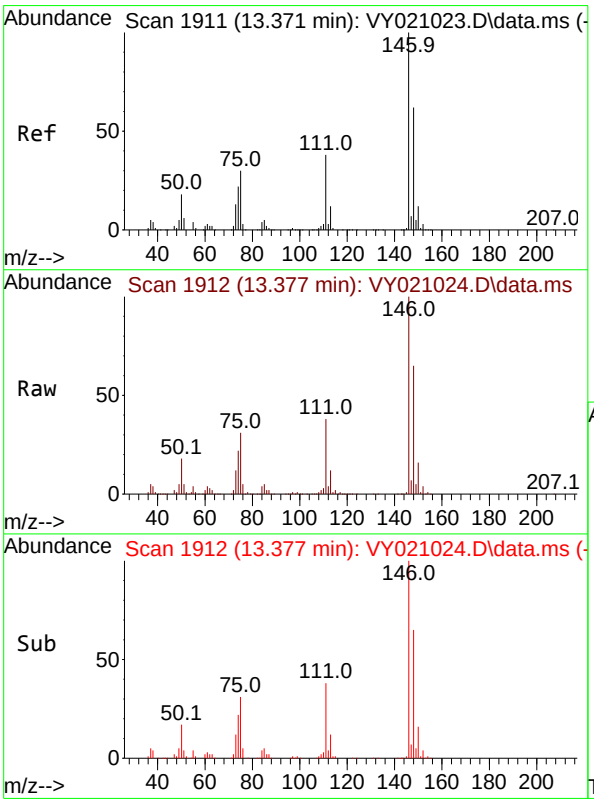
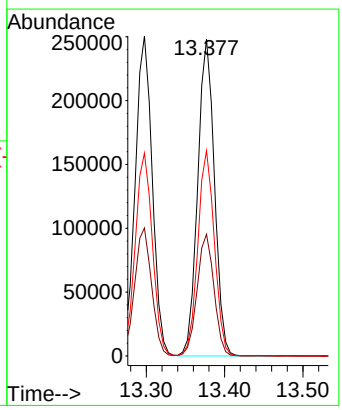
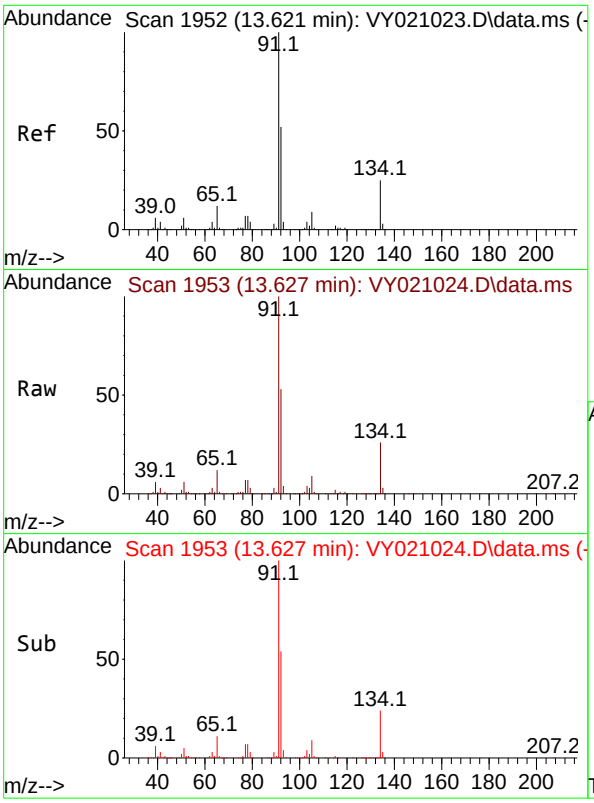



#88
1,4-Dichlorobenzene
Concen: 99.212 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 368361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 19.0 | 57.0 |
| 148 | 64.0 | 31.6 | 95.0 |

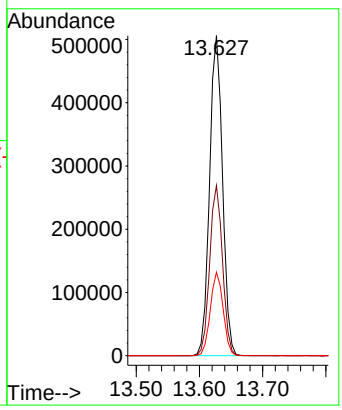





#89
n-Butylbenzene
Concen: 109.974 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 72025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.7 | 80.1 |
| 134 | 25.9 | 13.7 | 41.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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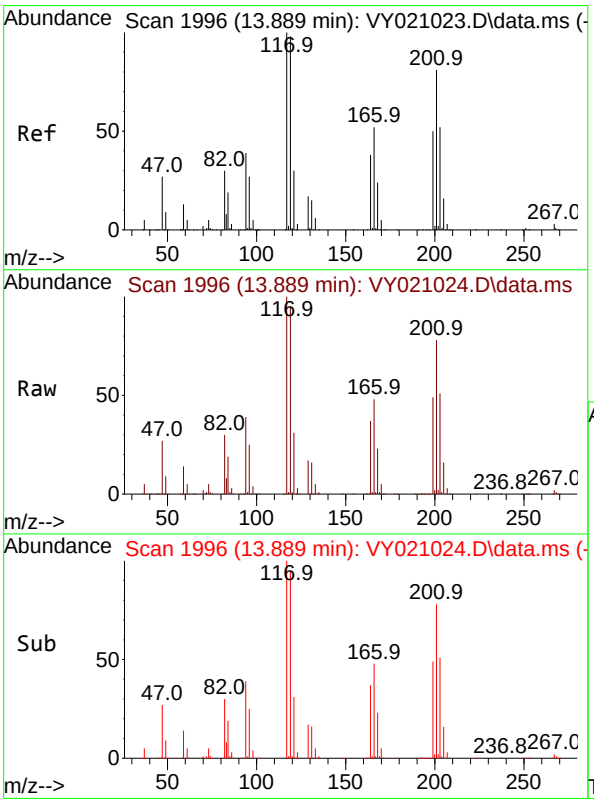
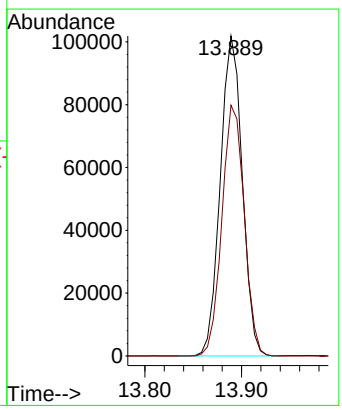
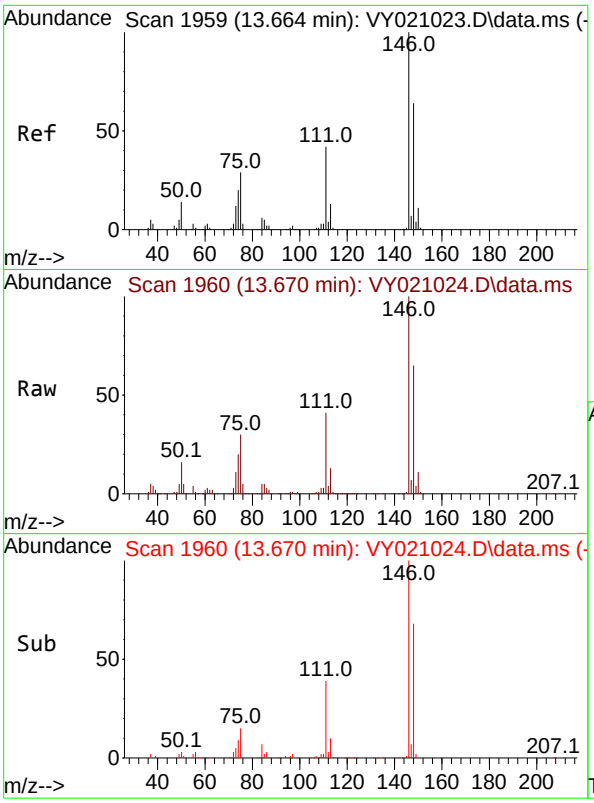



#90
Hexachloroethane
Concen: 108.782 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 160918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 79.4 | 42.5 | 127.5 |

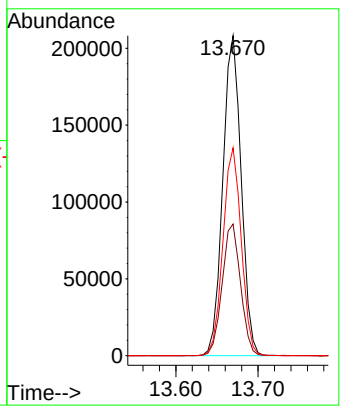





#91
1,2-Dichlorobenzene
Concen: 99.218 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 32350

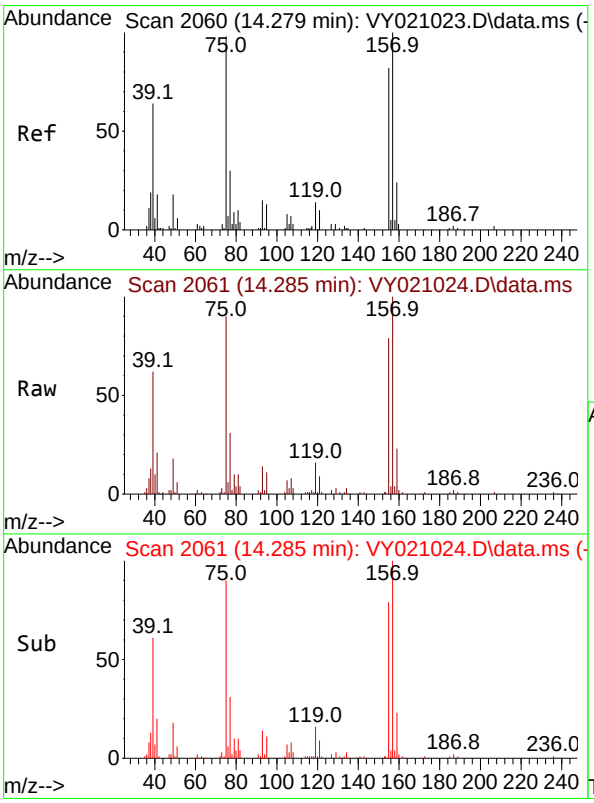
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.3 | 60.8 |
| 148 | 64.6 | 32.2 | 96.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

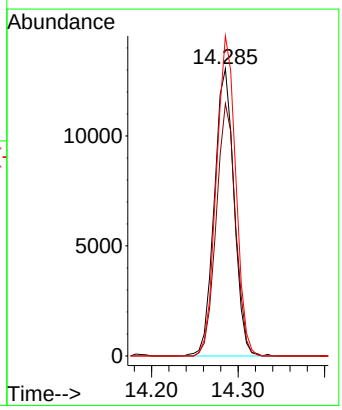
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

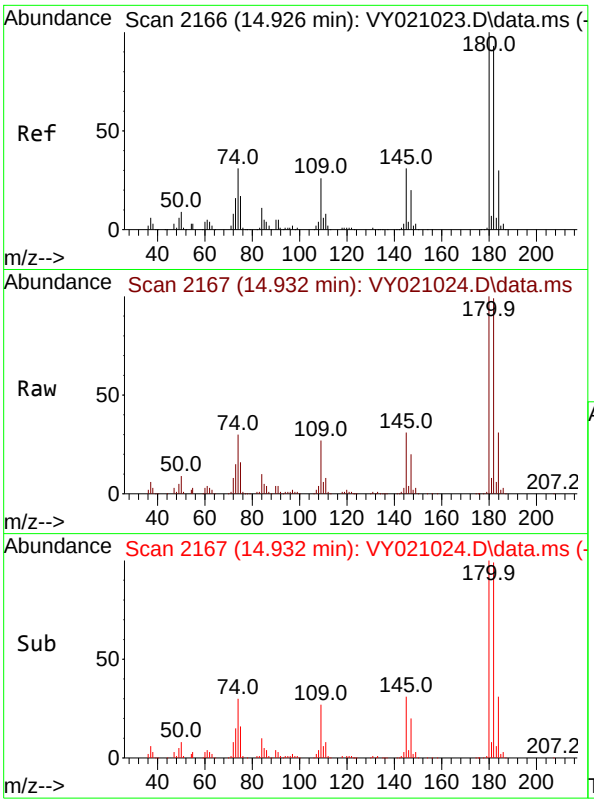



#92
1,2-Dibromo-3-Chloropropane
Concen: 102.253 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 20553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.0 | 45.9 | 137.6 |
| 157 | 110.2 | 59.3 | 177.9 |

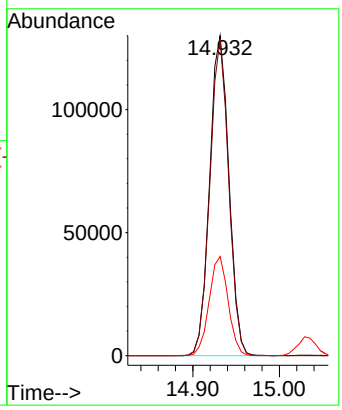





#93
1,2,4-Trichlorobenzene
Concen: 100.693 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:180 Resp: 20102

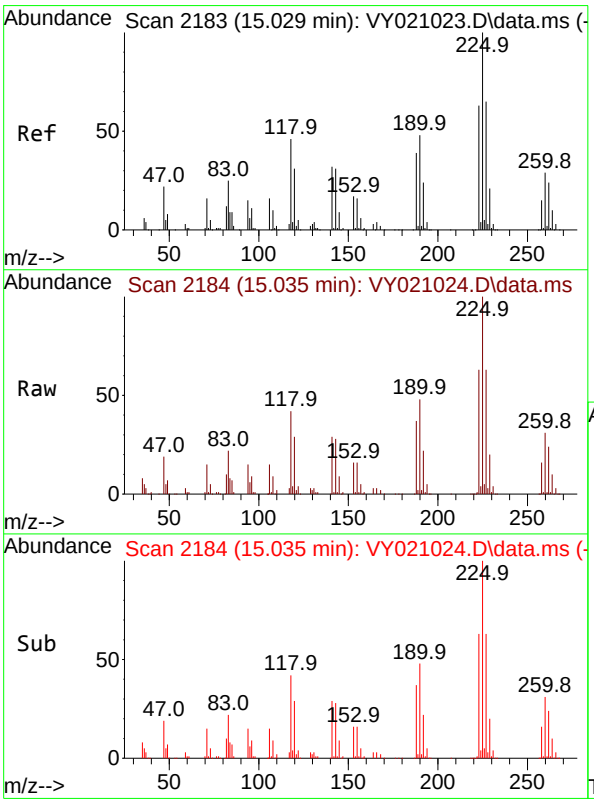
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 48.3 | 144.8 |
| 145 | 30.6 | 15.3 | 45.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

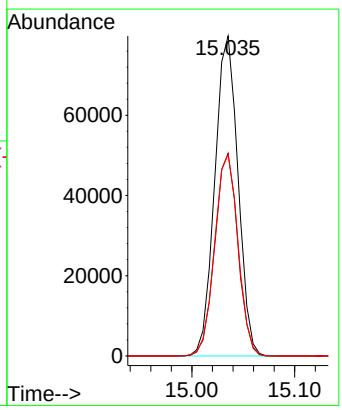
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

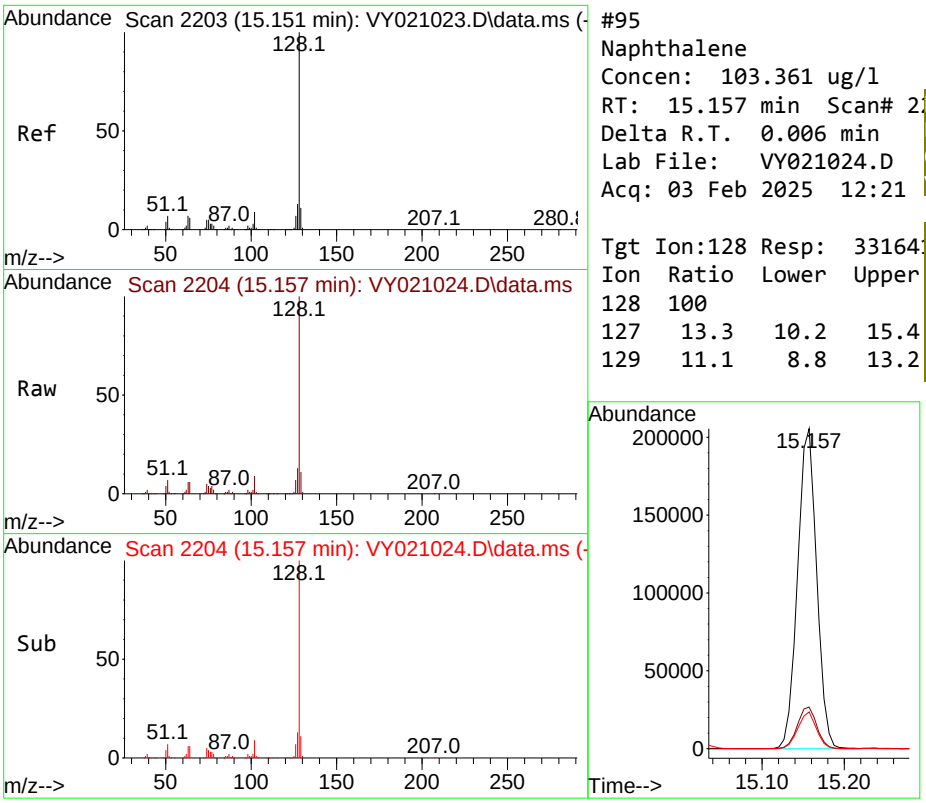



#94
Hexachlorobutadiene
Concen: 90.315 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:225 Resp: 124879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.8 | 31.4 | 94.2 |
| 227 | 63.5 | 31.8 | 95.3 |






#95
Naphthalene
Concen: 103.361 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:128 Resp: 33164

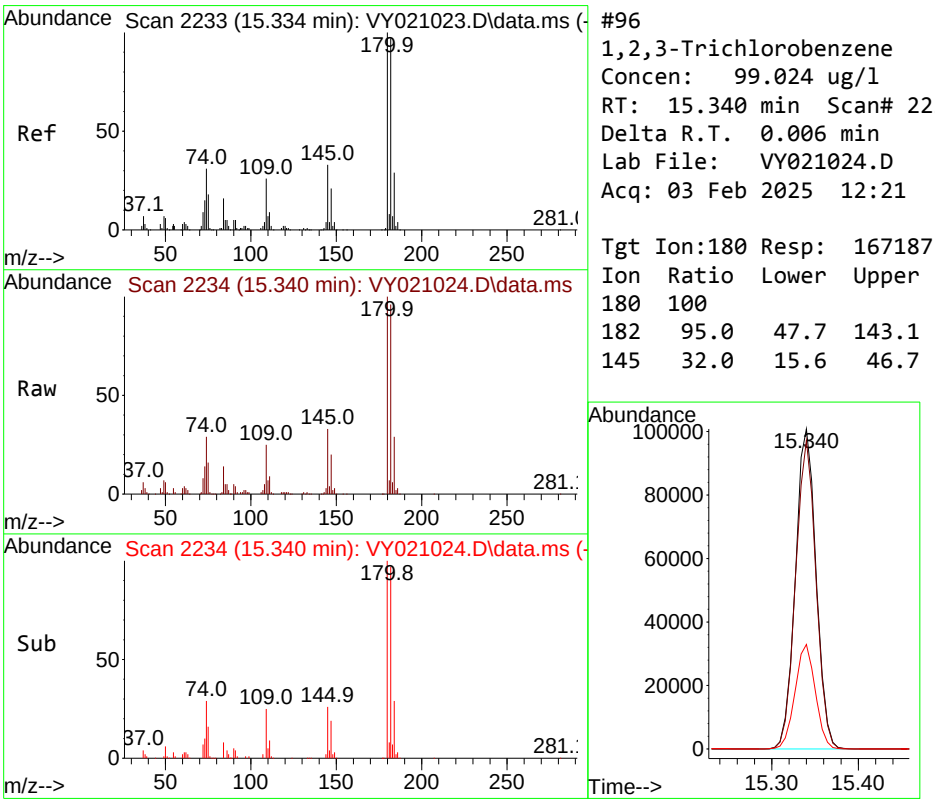
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.3 | 10.2 | 15.4 |
| 129 | 11.1 | 8.8 | 13.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025




#96
1,2,3-Trichlorobenzene
Concen: 99.024 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:180 Resp: 167187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 47.7 | 143.1 |
| 145 | 32.0 | 15.6 | 46.7 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 189855 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 287697 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 248527 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 112575 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 293662 | 145.336 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 290.680%# | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 287798 | 155.917 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 311.840%# | | | |
| 50) Toluene-d8 | 10.109 | 98 | 1111573 | 156.140 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 312.280%# | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 360358 | 162.912 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 325.820%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 260067 | 160.872 | ug/l | 97 |
| 3) Chloromethane | 2.074 | 50 | 248885 | 87.825 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 252501 | 75.880 | ug/l | 99 |
| 5) Bromomethane | 2.592 | 94 | 146541 | 62.028 | ug/l | 99 |
| 6) Chloroethane | 2.739 | 64 | 148751 | 70.352 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.062 | 101 | 462994 | 129.223 | ug/l | 99 |
| 8) Diethyl Ether | 3.458 | 74 | 147927 | 142.521 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 290713 | 133.999 | ug/l | 95 |
| 10) Methyl Iodide | 4.013 | 142 | 352076 | 163.787 | ug/l | 94 |
| 11) Tert butyl alcohol | 4.872 | 59 | 91037 | 651.581 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 283433 | 141.825 | ug/l | 94 |
| 13) Acrolein | 3.659 | 56 | 152214 | 707.118 | ug/l | 98 |
| 14) Allyl chloride | 4.391 | 41 | 481954 | 159.438 | ug/l | 96 |
| 15) Acrylonitrile | 5.061 | 53 | 309767 | 696.889 | ug/l | 99 |
| 16) Acetone | 3.873 | 43 | 237711 | 483.636 | ug/l | 96 |
| 17) Carbon Disulfide | 4.116 | 76 | 886308 | 139.070 | ug/l | 100 |
| 18) Methyl Acetate | 4.391 | 43 | 166019 | 134.682 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.122 | 73 | 720513 | 159.427 | ug/l | 99 |
| 20) Methylene Chloride | 4.622 | 84 | 281630 | 109.728 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 306161 | 134.636 | ug/l | 94 |
| 22) Diisopropyl ether | 6.025 | 45 | 955213 | 148.878 | ug/l | 97 |
| 23) Vinyl Acetate | 5.970 | 43 | 2761423 | 786.547 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.921 | 63 | 563116 | 141.610 | ug/l | 98 |
| 25) 2-Butanone | 6.902 | 43 | 395886 | 620.601 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 527500 | 153.065 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 6.896 | 96 | 356495 | 144.373 | ug/l | 94 |
| 28) Bromochloromethane | 7.256 | 49 | 224174 | 131.225 | ug/l | 98 |
| 29) Tetrahydrofuran | 7.268 | 42 | 263943 | 736.644 | ug/l | 96 |
| 30) Chloroform | 7.427 | 83 | 572890 | 143.739 | ug/l | 98 |
| 31) Cyclohexane | 7.707 | 56 | 485167 | 128.899 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 540513 | 151.377 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 423720 | 143.160 | ug/l | 99 |
| 37) Ethyl Acetate | 6.988 | 43 | 186661 | 153.217 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 501205 | 170.502 | ug/l | 99 |
| 39) Methylcyclohexane | 9.115 | 83 | 542900 | 152.474 | ug/l | 98 |
| 40) Benzene | 8.085 | 78 | 1239229 | 148.429 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.226 | 41 | 115234 | 185.120 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 340547 | 158.367 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.201 | 43 | 388966 | 175.917 | ug/l | # | 86 |
| 44) Trichloroethene | 8.872 | 130 | 323716 | 150.703 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 294150 | 147.060 | ug/l | | 100 |
| 46) Dibromomethane | 9.237 | 93 | 161341 | 154.118 | ug/l | | 95 |
| 47) Bromodichloromethane | 9.426 | 83 | 437119 | 160.591 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.225 | 41 | 187040 | 167.251 | ug/l | | 94 |
| 49) 1,4-Dioxane | 9.231 | 88 | 32704 | 3078.544 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 965506 | 814.397 | ug/l | | 98 |
| 52) Toluene | 10.176 | 92 | 792134 | 155.591 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 416872 | 166.270 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 483429 | 158.232 | ug/l | | 92 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 209006 | 146.925 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.444 | 69 | 313458 | 200.500 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 365553 | 149.005 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 721923 | 788.766 | ug/l | | 100 |
| 59) 2-Hexanone | 10.762 | 43 | 642448 | 763.675 | ug/l | | 98 |
| 60) Dibromochloromethane | 10.914 | 129 | 298751 | 175.351 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 200840 | 153.273 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.652 | 164 | 288752 | 156.856 | ug/l | | 96 |
| 65) Chlorobenzene | 11.444 | 112 | 854481 | 161.190 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 303176 | 159.942 | ug/l | | 97 |
| 67) Ethyl Benzene | 11.524 | 91 | 1560654 | 161.195 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.633 | 106 | 1152452 | 314.841 | ug/l | | 97 |
| 69) o-Xylene | 11.963 | 106 | 543425 | 163.662 | ug/l | | 97 |
| 70) Styrene | 11.975 | 104 | 900989 | 172.776 | ug/l | | 97 |
| 71) Bromoform | 12.139 | 173 | 170929 | 181.883 | ug/l | # | 97 |
| 73) Isopropylbenzene | 12.261 | 105 | 1439642 | 154.780 | ug/l | | 100 |
| 74) N-amyl acetate | 12.072 | 43 | 337562 | 180.383 | ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 229575 | 139.062 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 166289m | 149.965 | ug/l | | |
| 77) Bromobenzene | 12.536 | 156 | 330230 | 166.838 | ug/l | | 92 |
| 78) n-propylbenzene | 12.603 | 91 | 1706799 | 149.261 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 961670 | 153.047 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 1146647 | 156.334 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 84506 | 165.703 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 973177 | 151.120 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 1067144 | 164.670 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 1138490 | 157.248 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 1490237 | 152.184 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 1267584 | 159.829 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 615944 | 153.896 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 600370 | 153.567 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 1172760 | 153.276 | ug/l | | 98 |
| 90) Hexachloroethane | 13.883 | 117 | 264877 | 160.566 | ug/l | | 86 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 529143 | 159.648 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 36737 | 173.904 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 338957 | 199.568 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 204211 | 192.252 | ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 581994 | 199.946 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 280907 | 197.311 | ug/l | | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

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

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

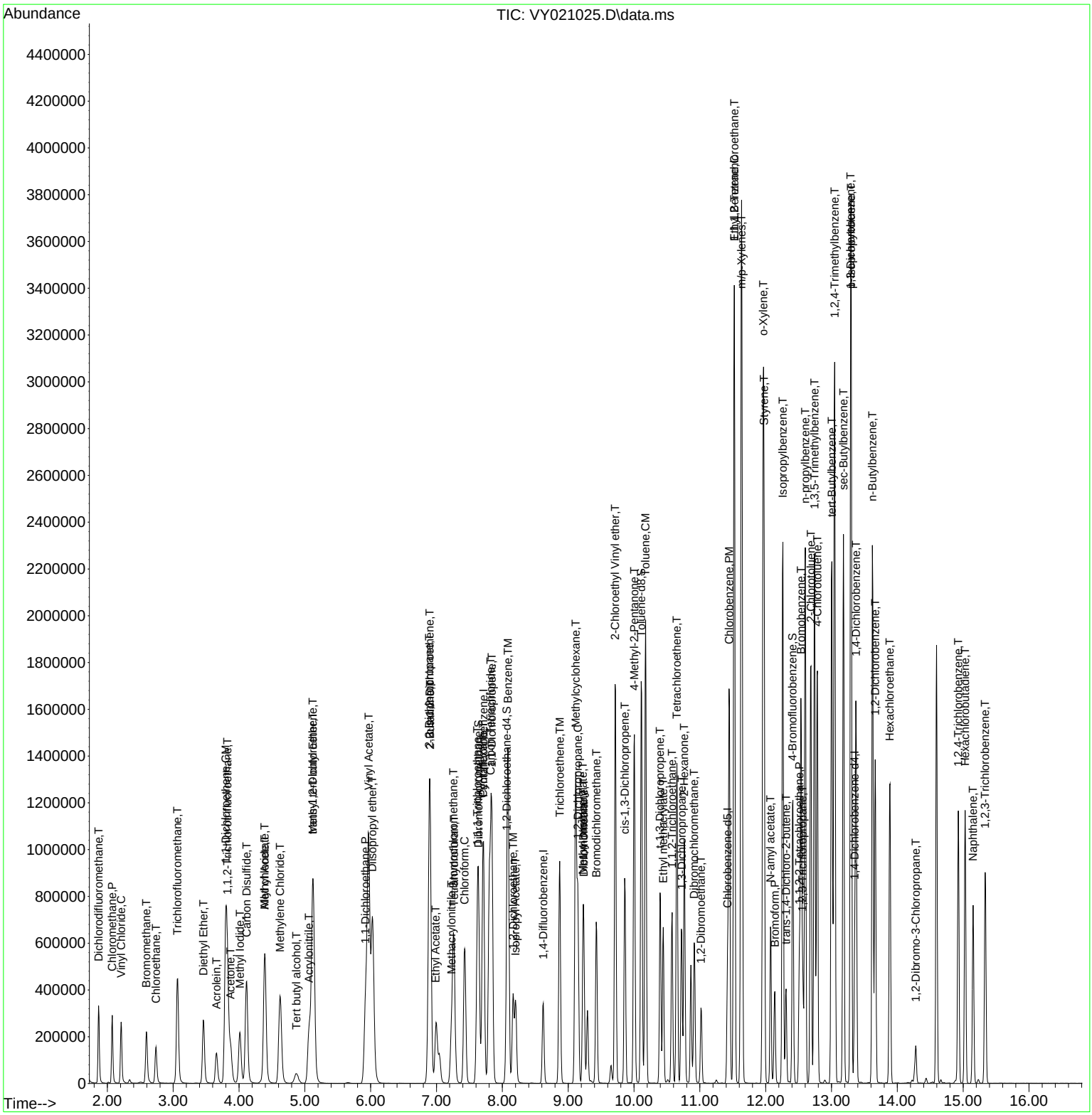
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

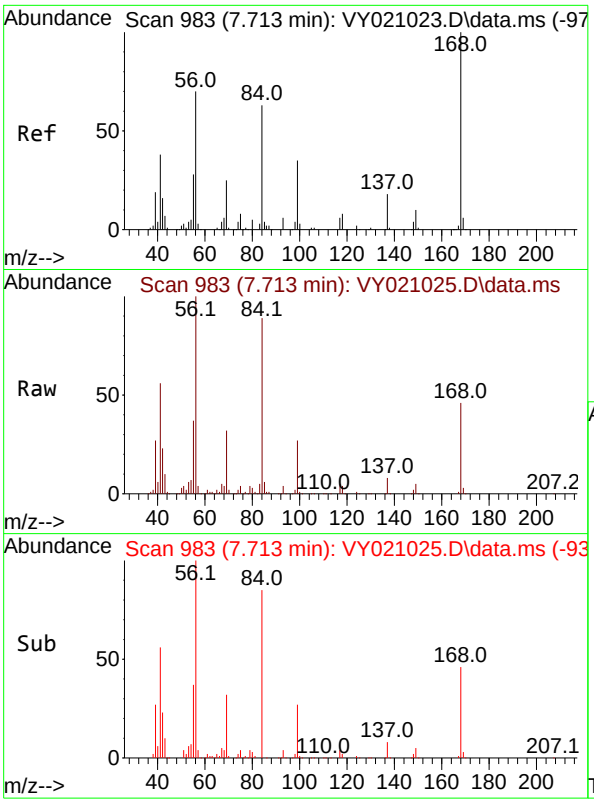
Quant Time: Feb 03 13:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:05:07 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

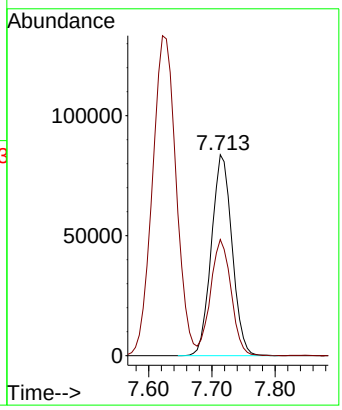





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:168 Resp: 18985

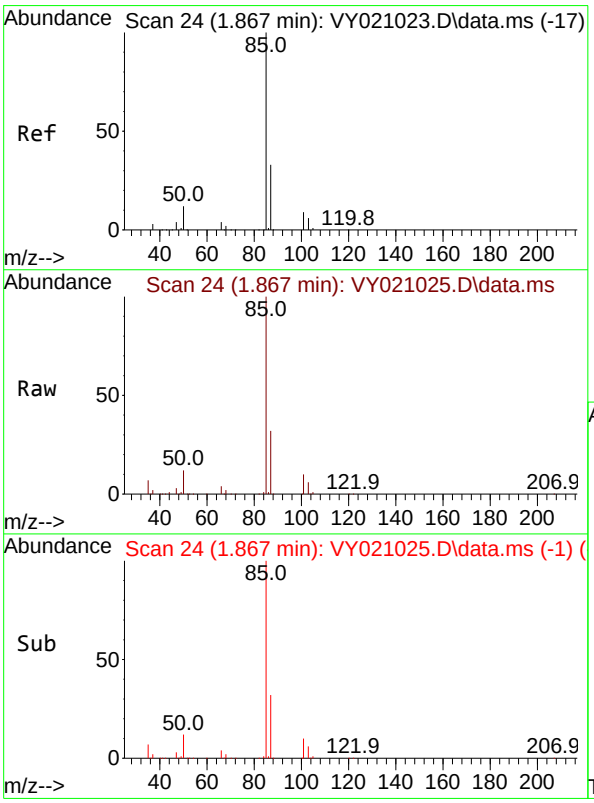
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.7 | 44.2 | 66.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

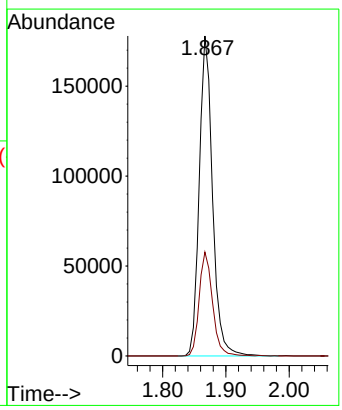
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

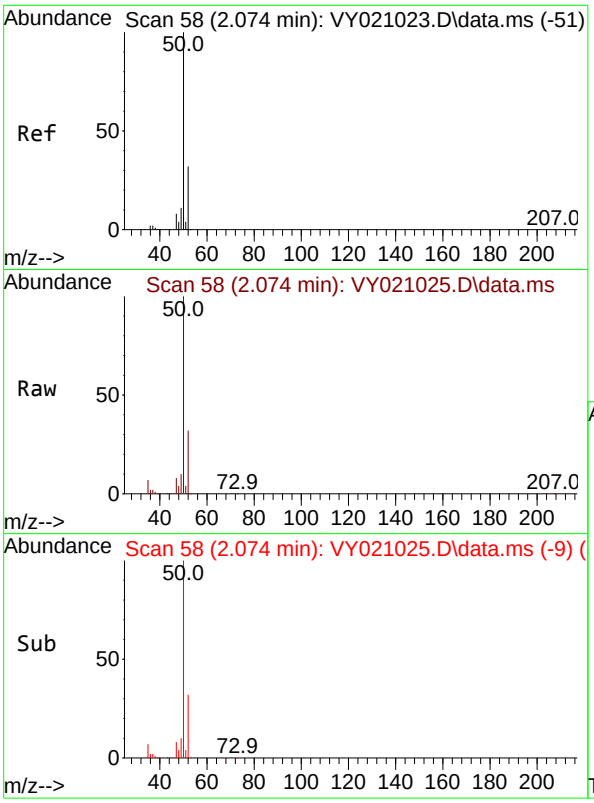



#2
Dichlorodifluoromethane
Concen: 160.872 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 85 Resp: 260067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 17.1 | 51.3 |

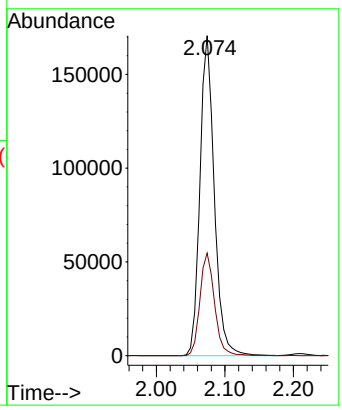





#3
Chloromethane
Concen: 87.825 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 50 Resp: 24888

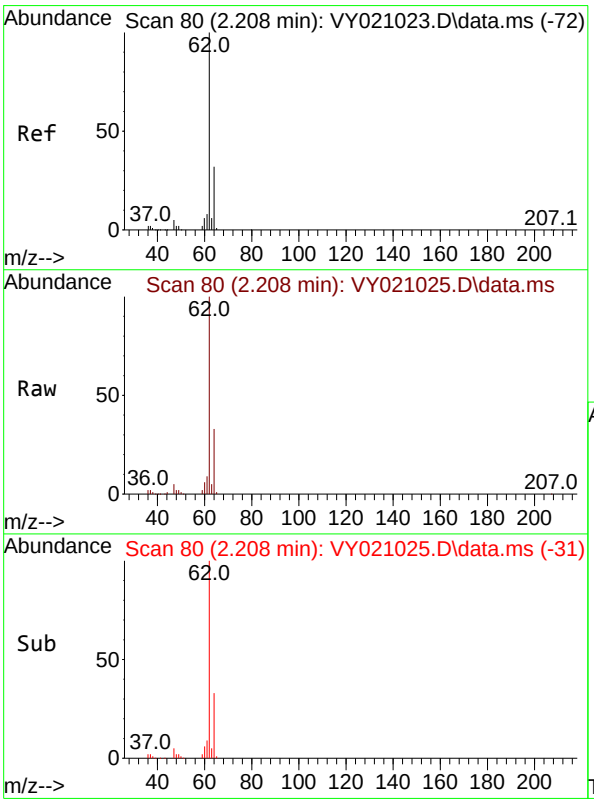
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.7 | 40.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

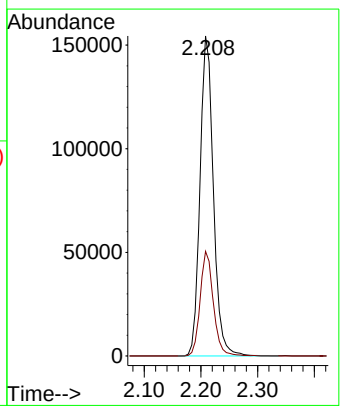
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

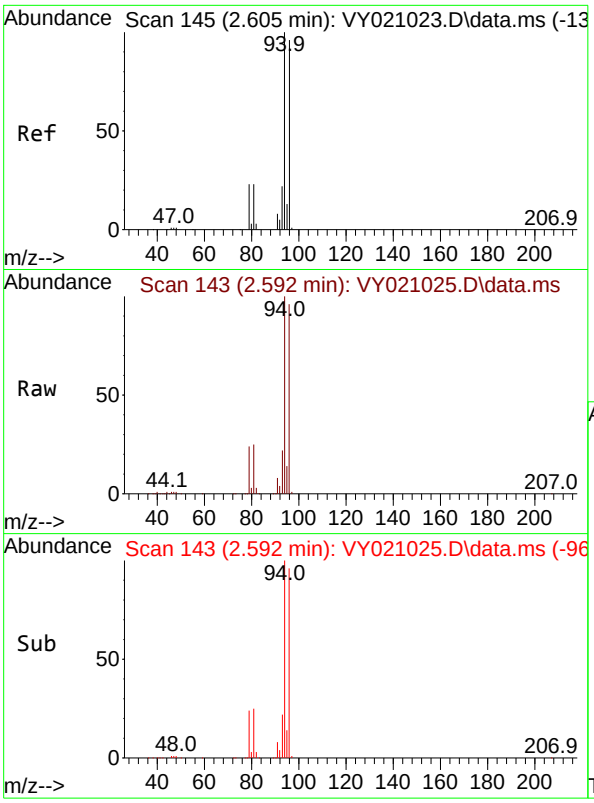



#4
Vinyl Chloride
Concen: 75.880 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 62 Resp: 252501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 25.7 | 38.5 |






#5
Bromomethane
Concen: 62.028 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

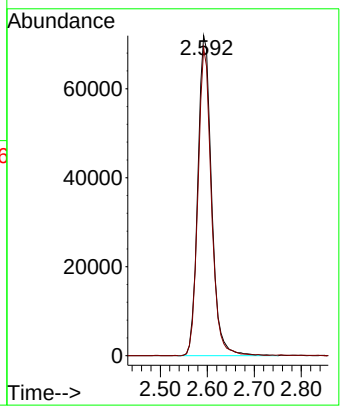
Tgt Ion: 94 Resp: 14654

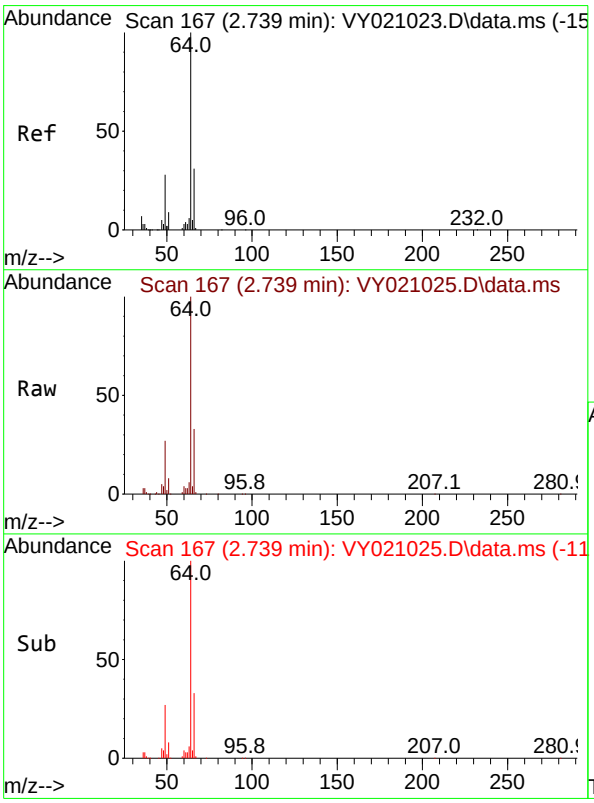
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.1 | 77.3 | 115.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

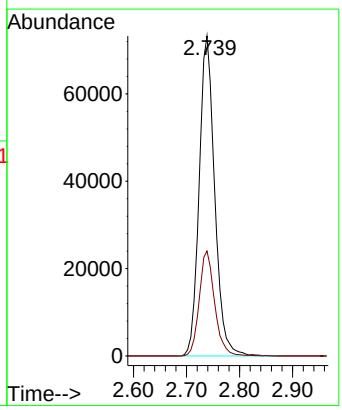


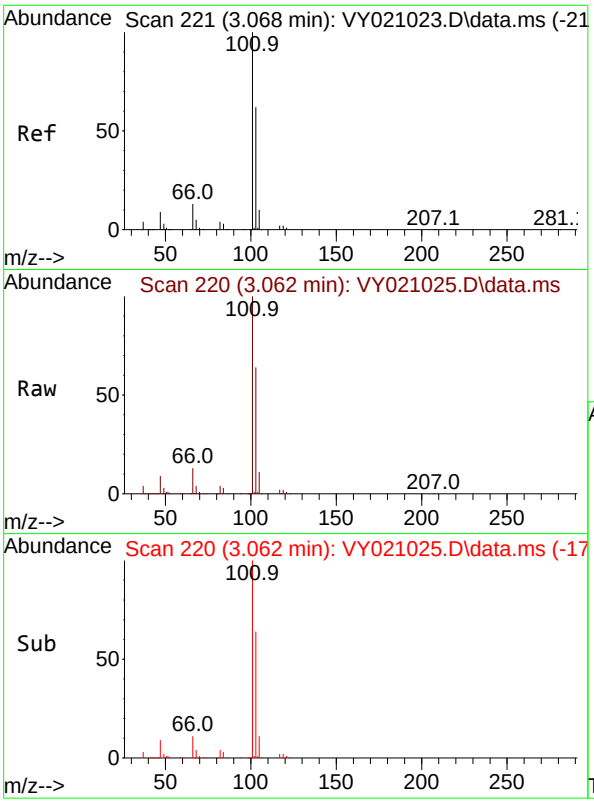




#6
Chloroethane
Concen: 70.352 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 64 Resp: 148751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.8 | 25.1 | 37.7 |

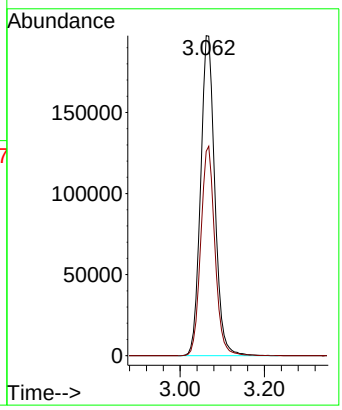





#7
Trichlorofluoromethane
Concen: 129.223 ug/l
RT: 3.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:101 Resp: 46299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.9 | 51.9 | 77.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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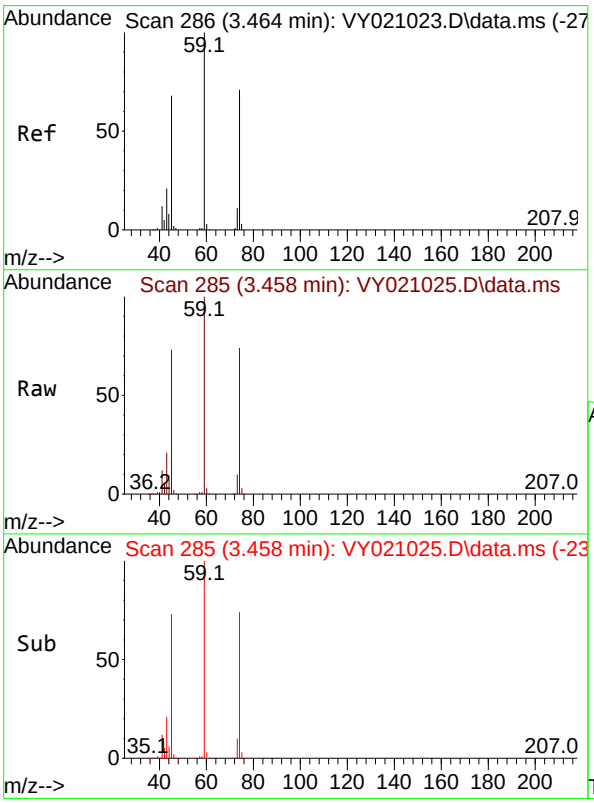
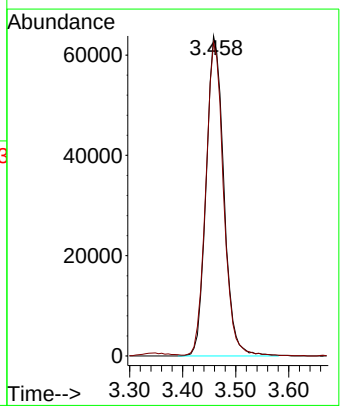
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

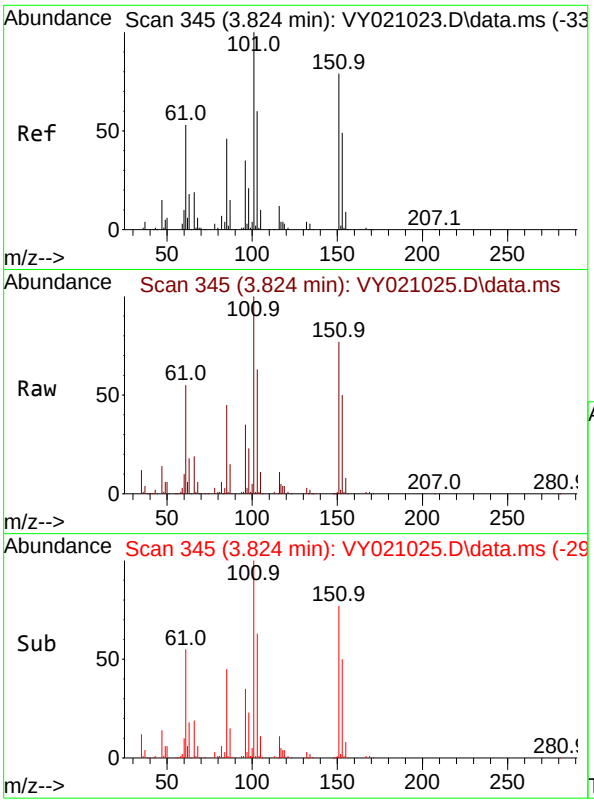



#8
Diethyl Ether
Concen: 142.521 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 74 Resp: 147927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 98.2 | 47.9 | 143.7 |

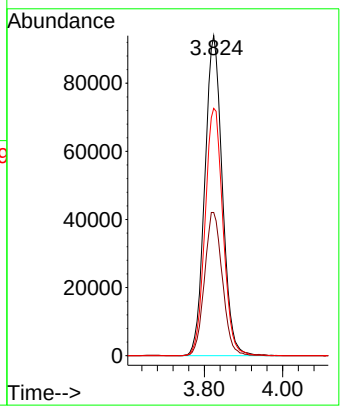





#9
1,1,2-Trichlorotrifluoroethane
Concen: 133.999 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:101 Resp: 29071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.6 | 35.8 | 53.6 |
| 151 | 78.9 | 58.6 | 88.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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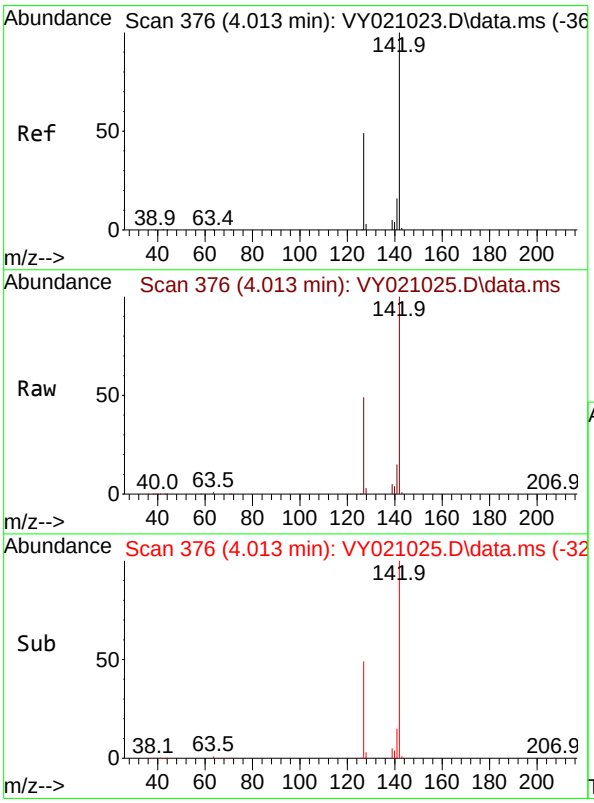
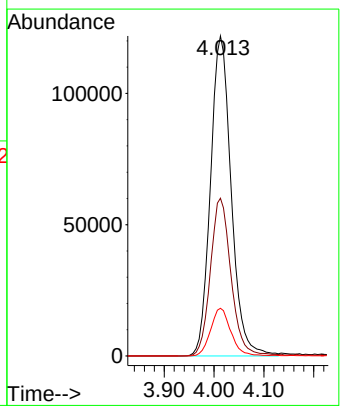
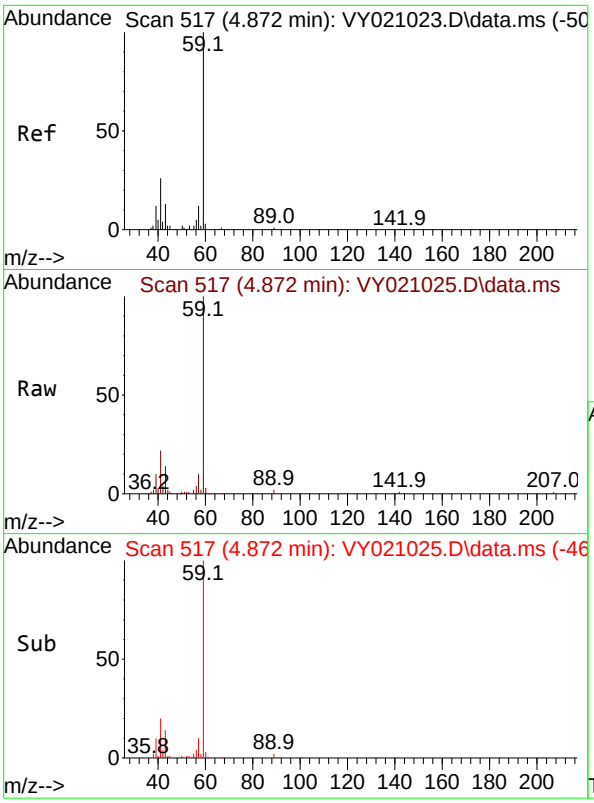



#10
Methyl Iodide
Concen: 163.787 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:142 Resp: 352076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.2 | 35.1 | 52.7 |
| 141 | 14.5 | 11.8 | 17.6 |

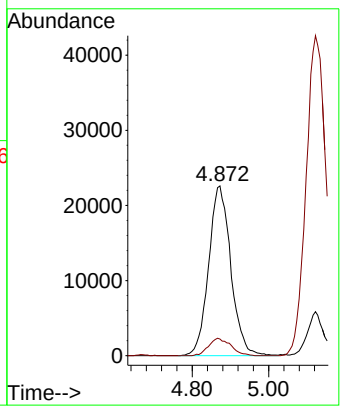





#11
Tert butyl alcohol
Concen: 651.581 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 59 Resp: 9103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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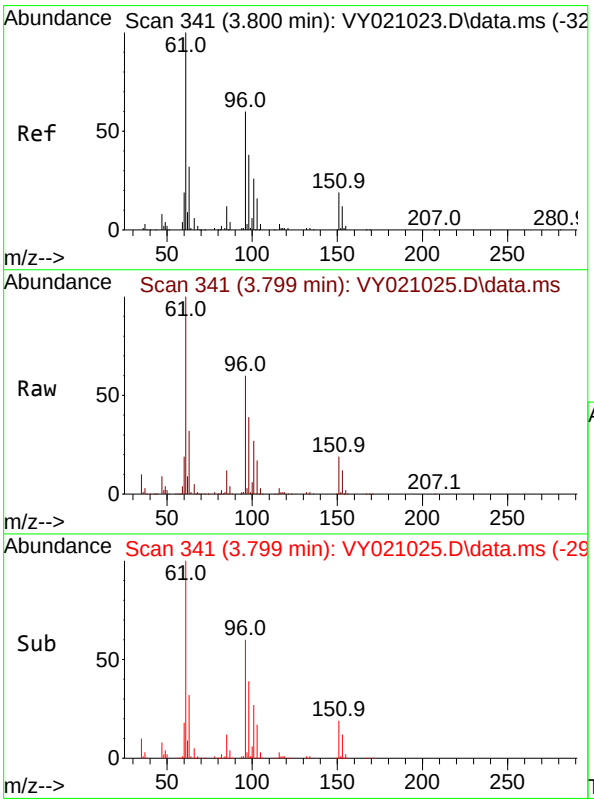
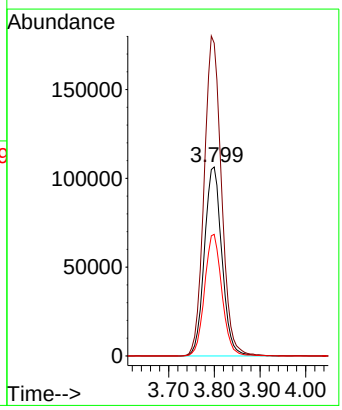
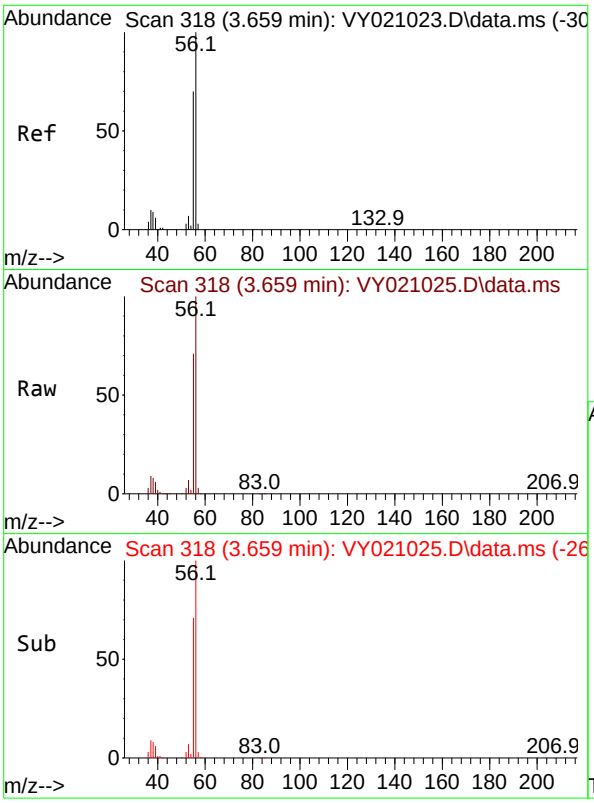



#12
1,1-Dichloroethene
Concen: 141.825 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 283433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.5 | 124.2 | 186.2 |
| 98 | 64.4 | 52.6 | 79.0 |

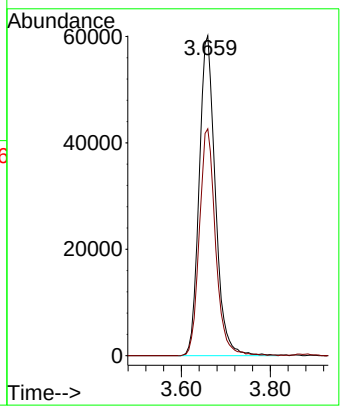





#13
Acrolein
Concen: 707.118 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 56 Resp: 15221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.1 | 55.4 | 83.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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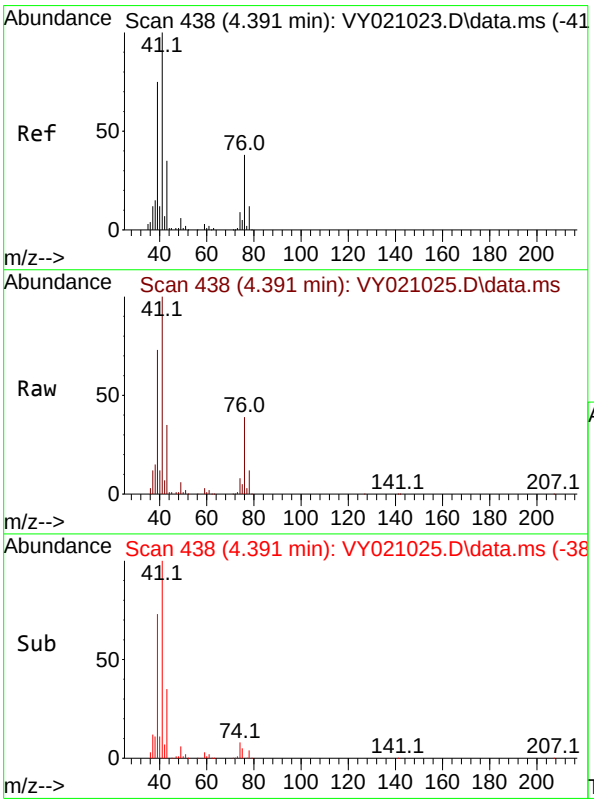
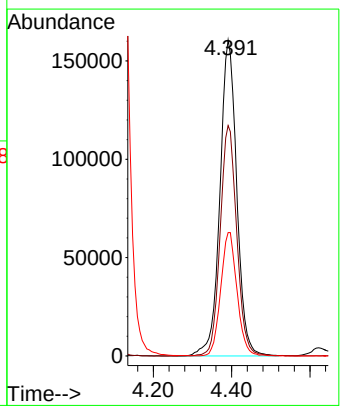
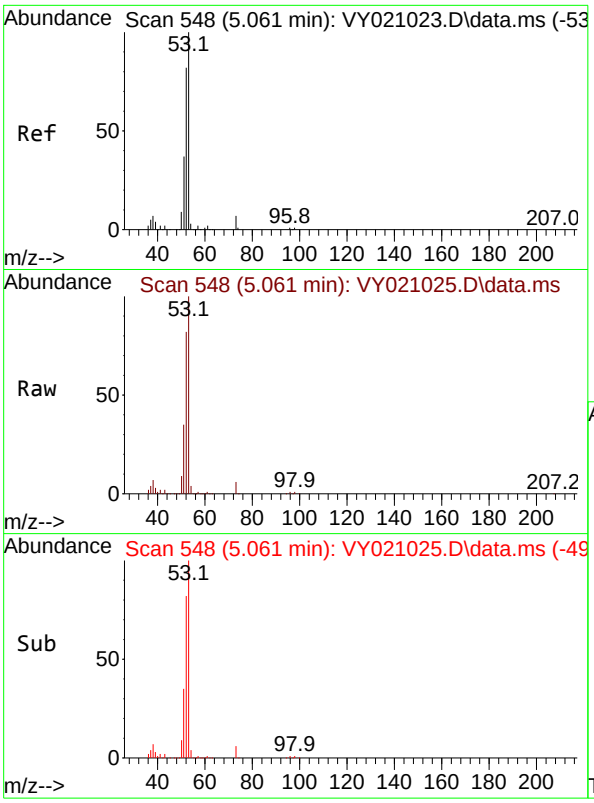



#14
Allyl chloride
Concen: 159.438 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 481954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.7 | 54.7 | 82.1 |
| 76 | 37.7 | 31.8 | 47.6 |






#15
Acrylonitrile
Concen: 696.889 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 53 Resp: 30976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 65.1 | 97.7 |
| 51 | 37.1 | 29.0 | 43.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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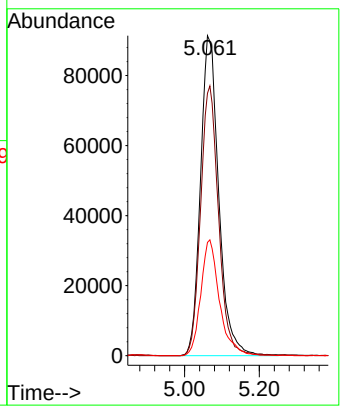
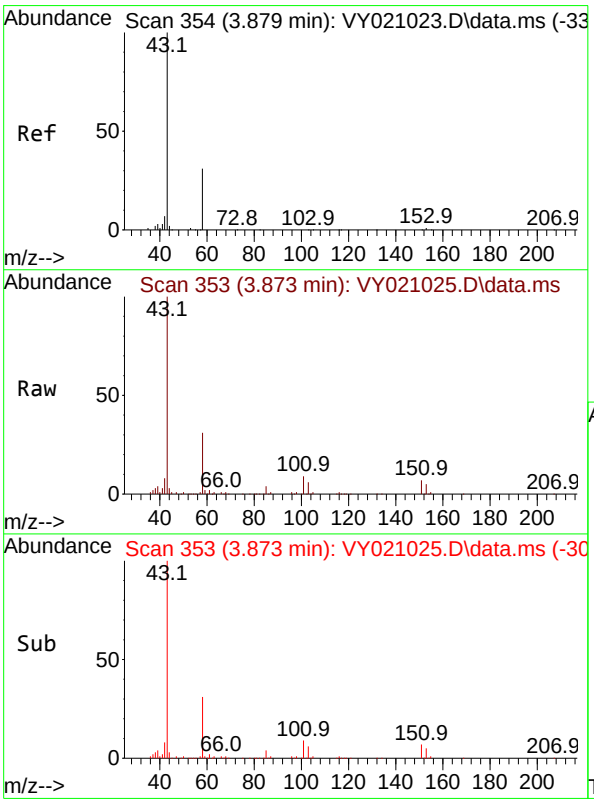
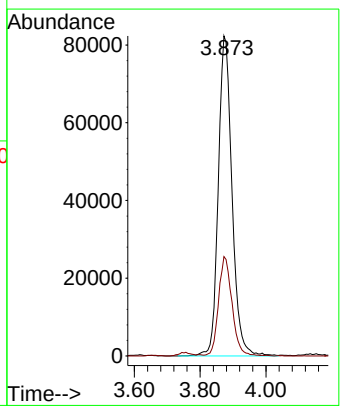


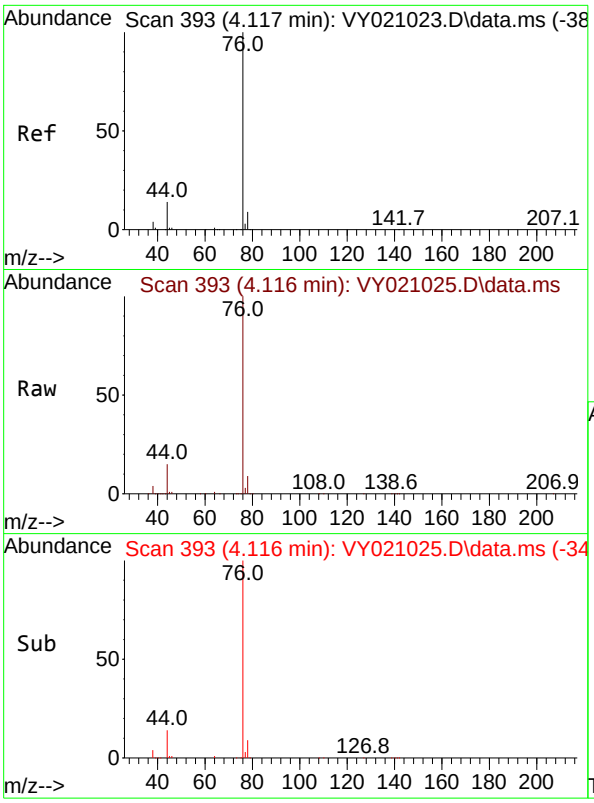




#16
Acetone
Concen: 483.636 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 237711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.0 | 26.6 | 39.8 |

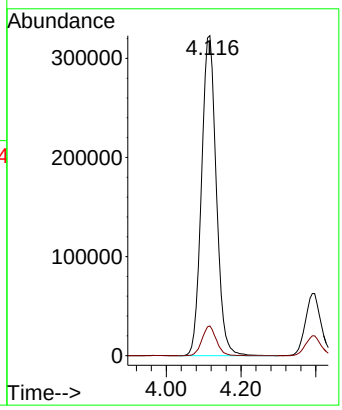





#17
Carbon Disulfide
Concen: 139.070 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 76 Resp: 88630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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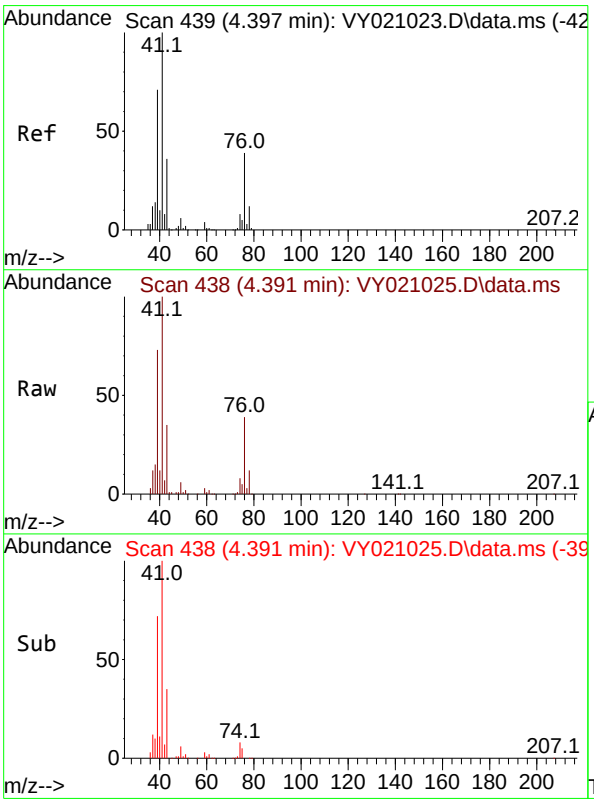
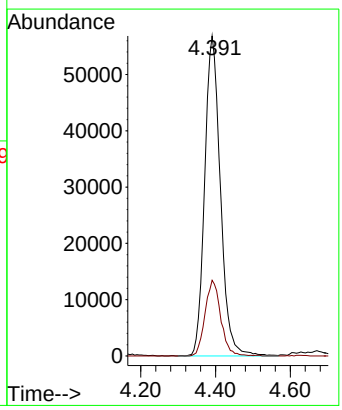
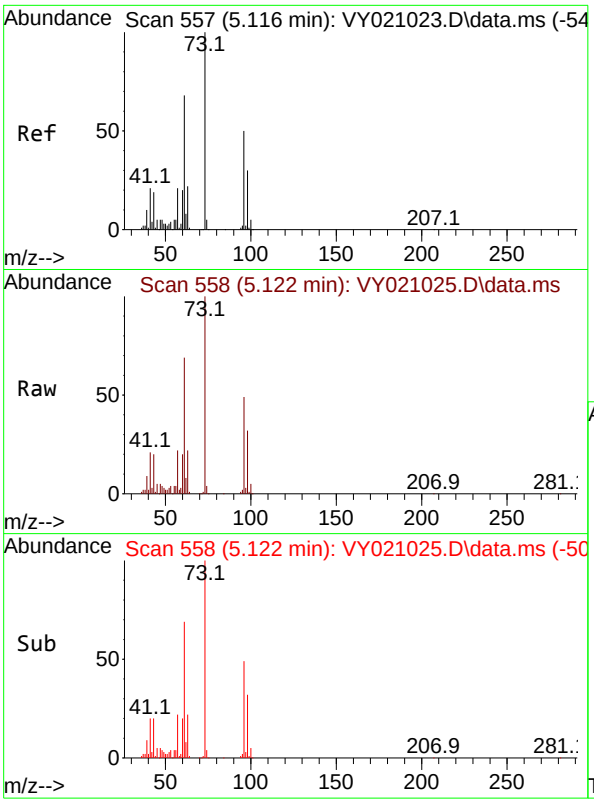



#18
Methyl Acetate
Concen: 134.682 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 166019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 19.8 | 29.6 |

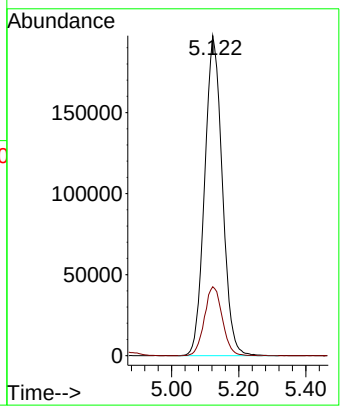





#19
Methyl tert-butyl Ether
Concen: 159.427 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 73 Resp: 72051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 17.7 | 26.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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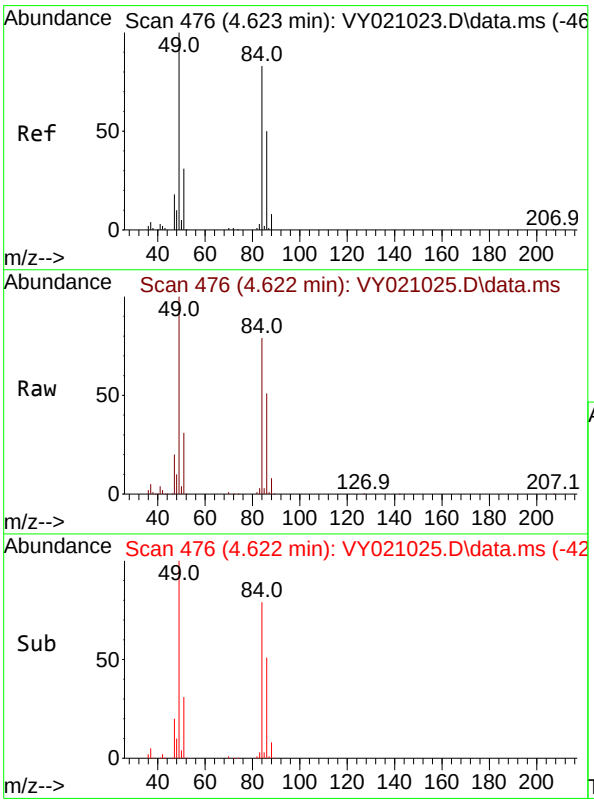
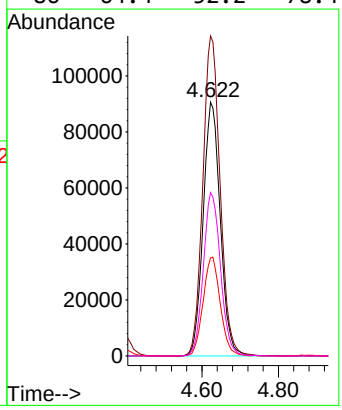
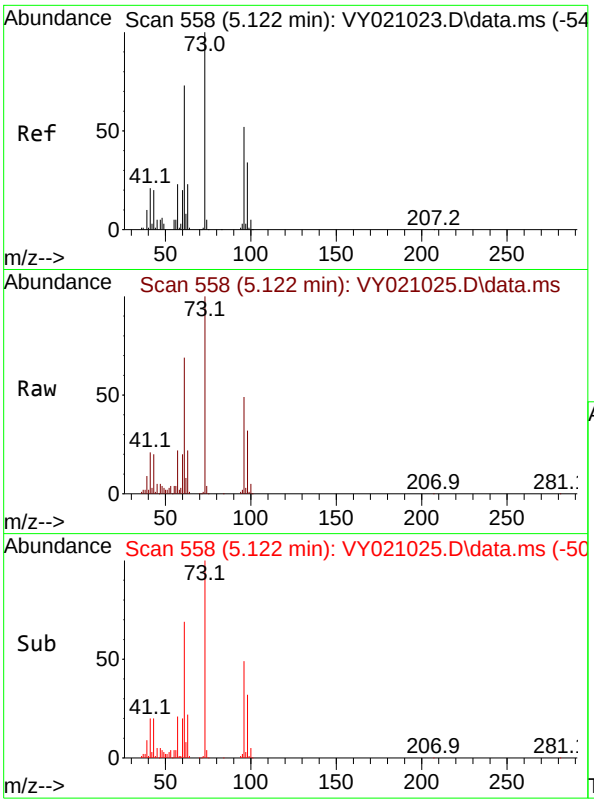



#20
Methylene Chloride
Concen: 109.728 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 84 Resp: 281630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.1 | 95.2 | 142.8 |
| 51 | 38.6 | 29.9 | 44.9 |
| 86 | 64.4 | 52.2 | 78.4 |

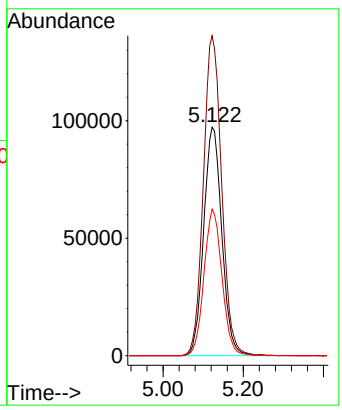





#21
trans-1,2-Dichloroethene
Concen: 134.636 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 30616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.1 | 104.6 | 156.8 |
| 98 | 64.1 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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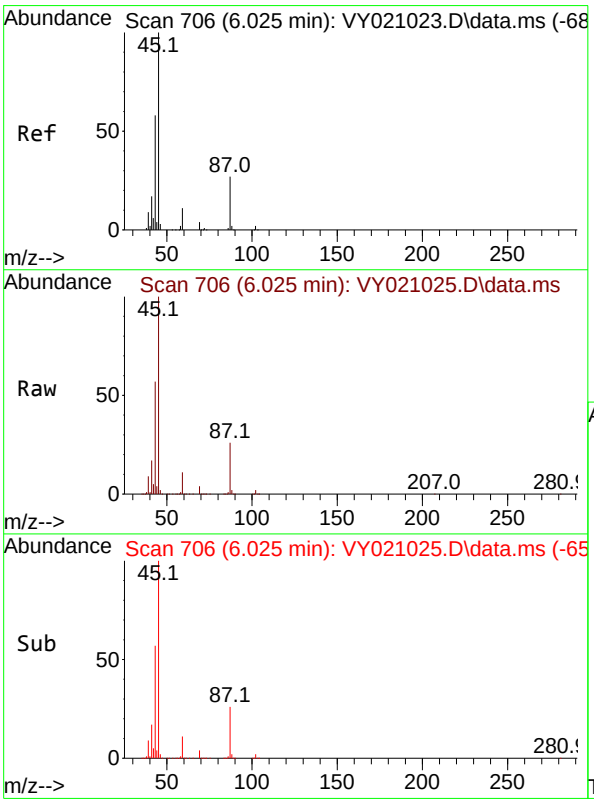
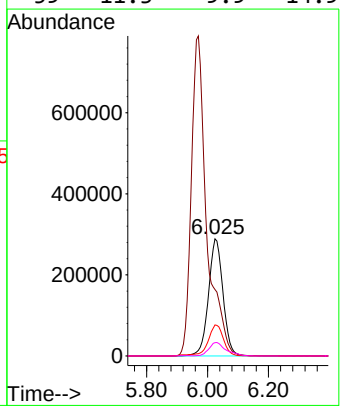
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

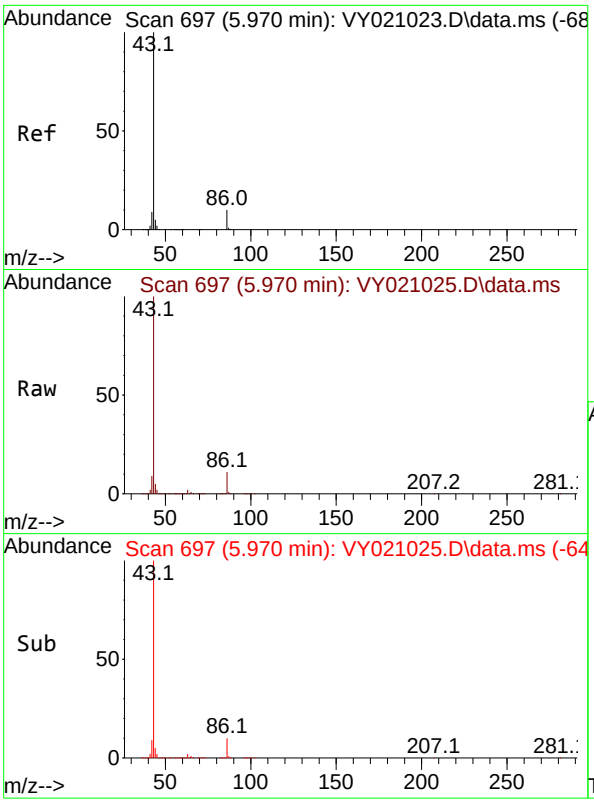



#22
Diisopropyl ether
Concen: 148.878 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 45 Resp: 955213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.6 | 46.8 | 70.2 |
| 87 | 26.5 | 22.2 | 33.2 |
| 59 | 11.3 | 9.9 | 14.9 |






#23
Vinyl Acetate
Concen: 786.547 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

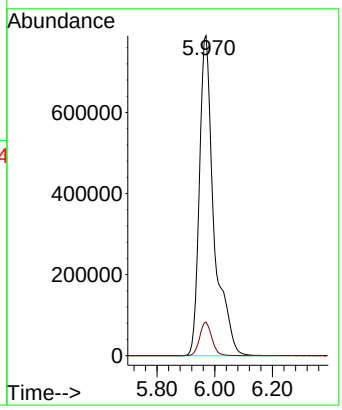
Tgt Ion: 43 Resp: 276142

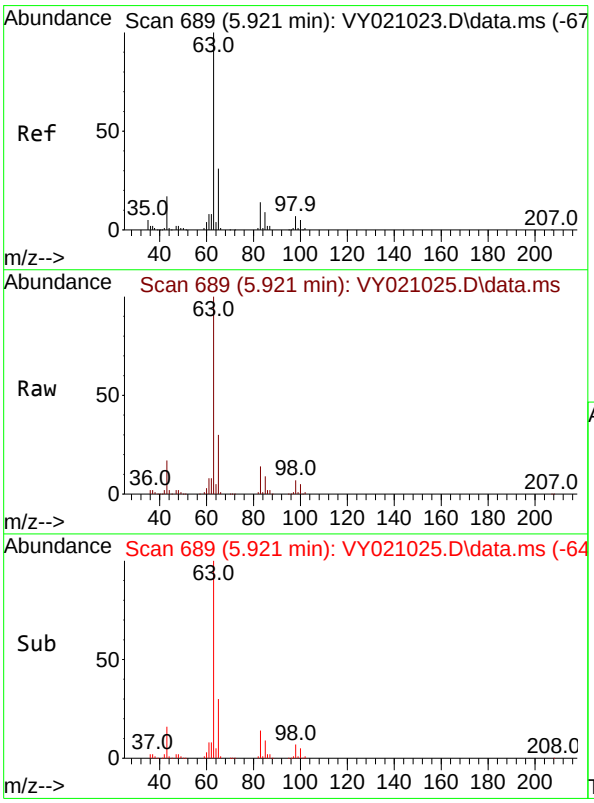
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.6 | 13.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

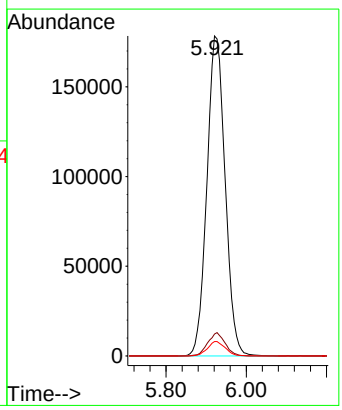


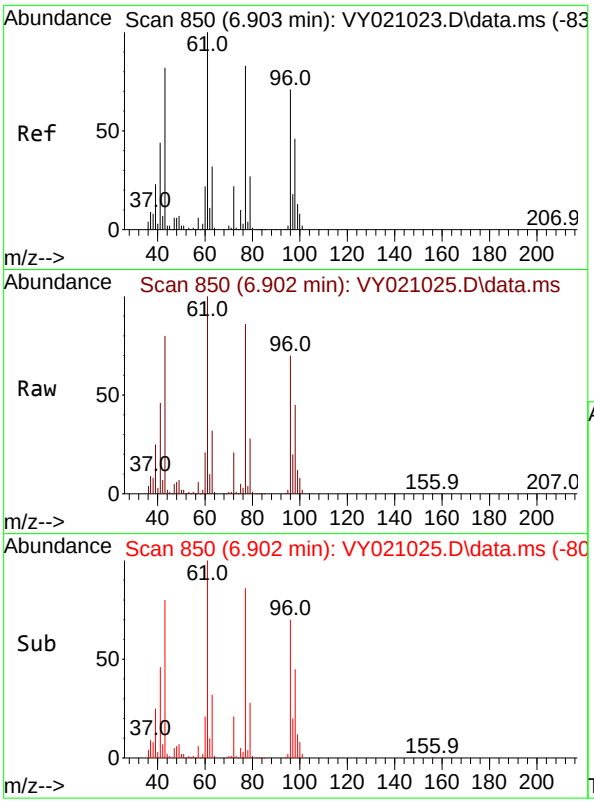




#24
1,1-Dichloroethane
Concen: 141.610 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 563116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 3.8 | 11.4 |
| 100 | 4.5 | 2.1 | 6.2 |






#25
2-Butanone
Concen: 620.601 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 39588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.4 | 21.4 | 32.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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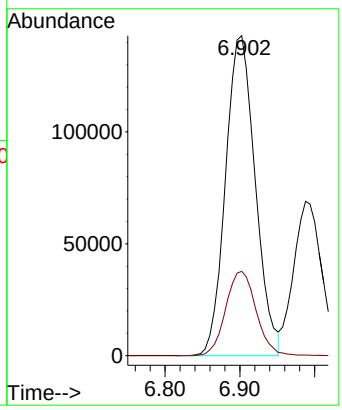
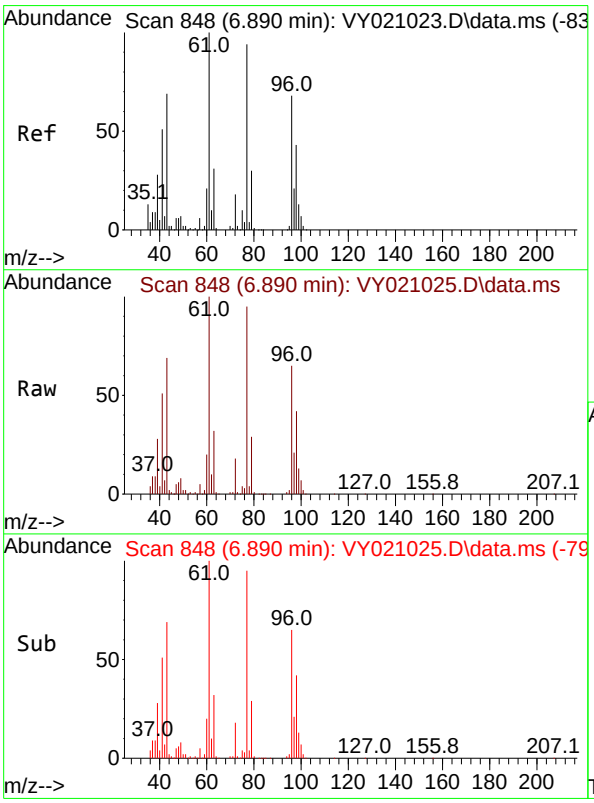
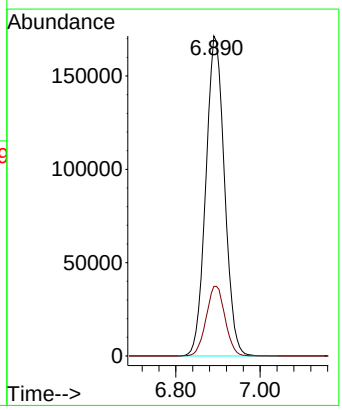


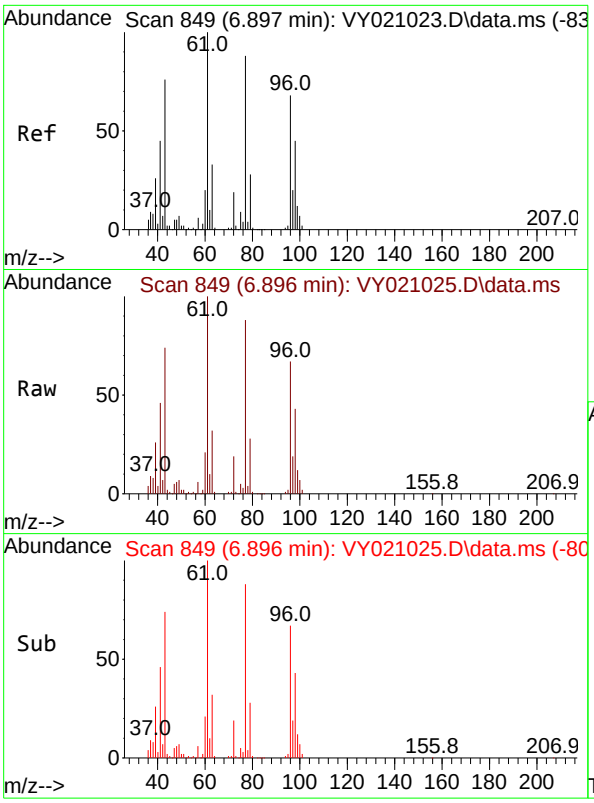




#26
2,2-Dichloropropane
Concen: 153.065 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 77 Resp: 527500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 11.7 | 35.0 |

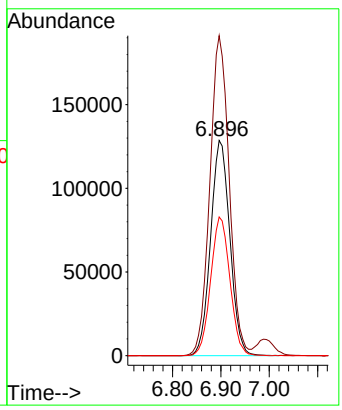





#27
cis-1,2-Dichloroethene
Concen: 144.373 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 35649

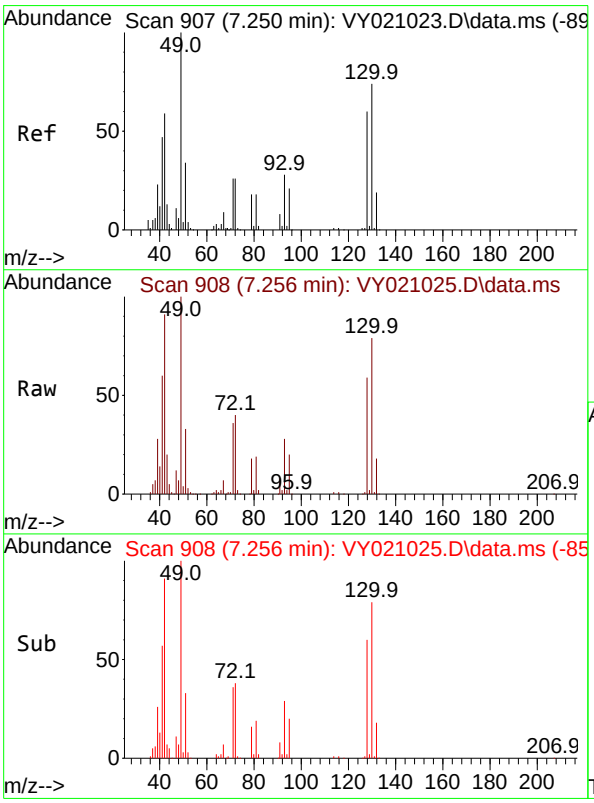
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.4 | 0.0 | 278.8 |
| 98 | 64.4 | 0.0 | 127.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

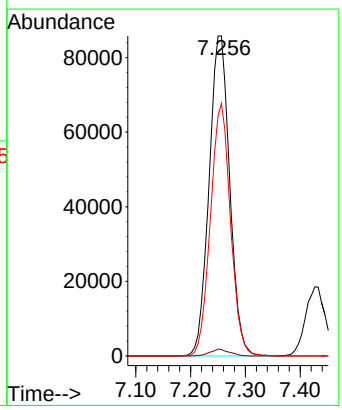
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

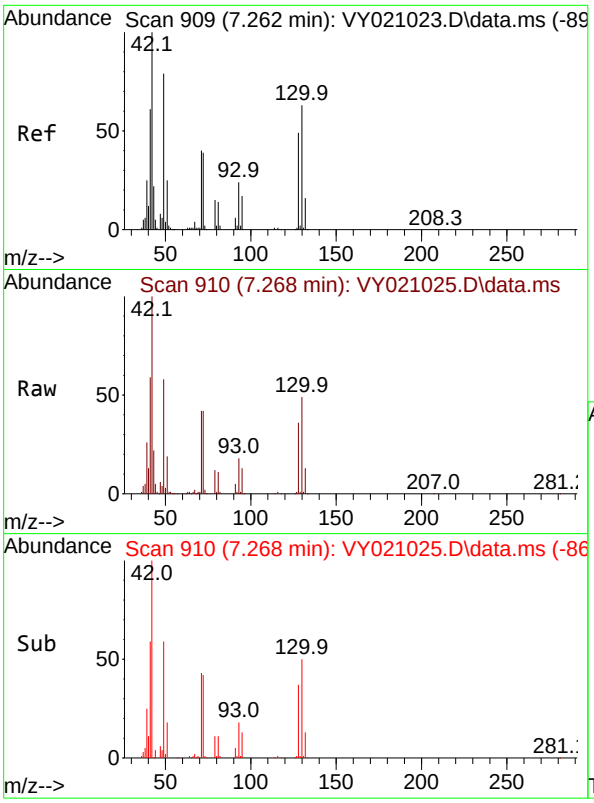



#28
Bromochloromethane
Concen: 131.225 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 49 Resp: 224174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 3.8 |
| 130 | 76.4 | 59.8 | 89.8 |

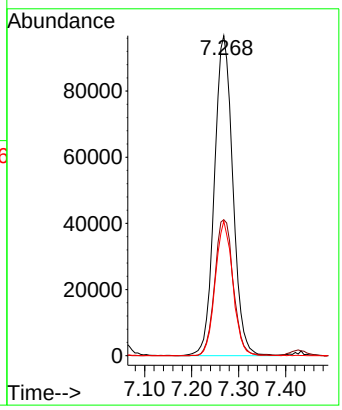





#29
Tetrahydrofuran
Concen: 736.644 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 42 Resp: 26394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.9 | 36.6 | 54.8 |
| 71 | 39.9 | 33.8 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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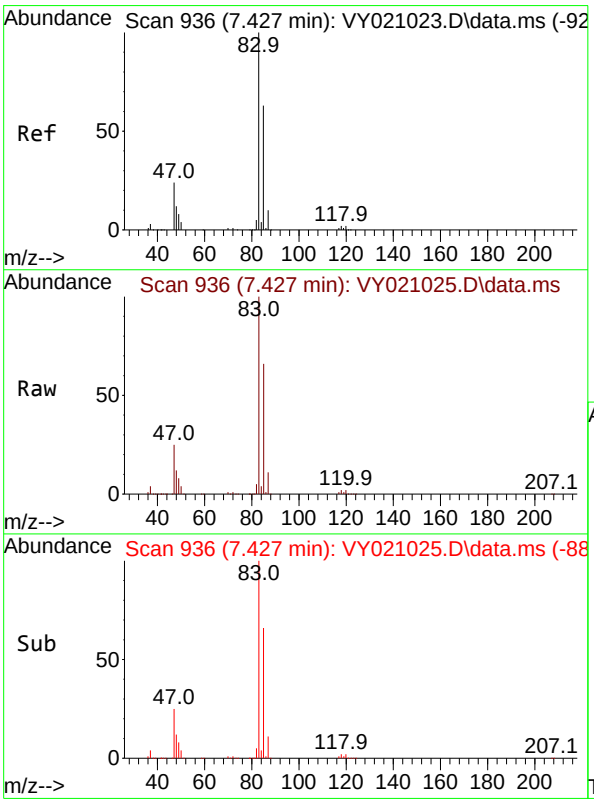
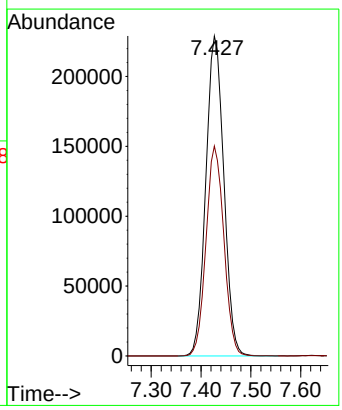
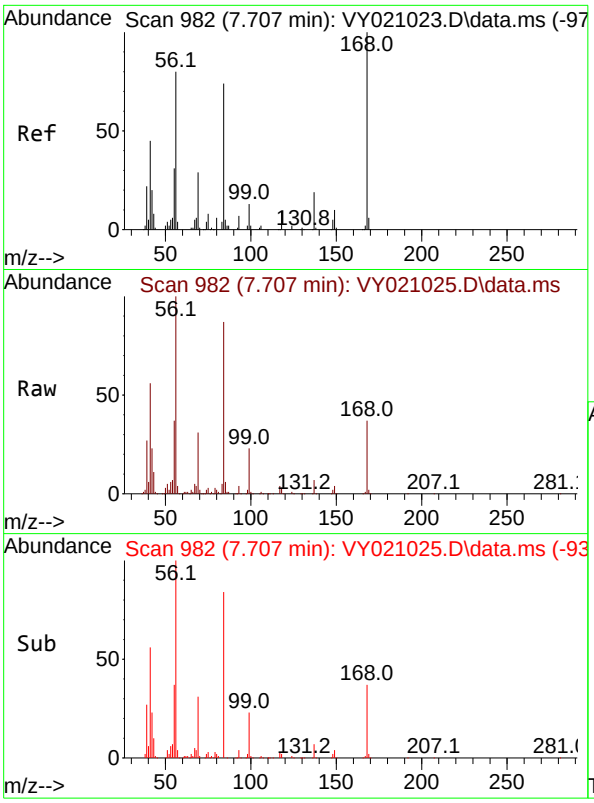



#30
Chloroform
Concen: 143.739 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 572890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 51.2 | 76.8 |






#31
Cyclohexane
Concen: 128.899 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 56 Resp: 48516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 27.0 | 40.6 |
| 84 | 84.9 | 71.8 | 107.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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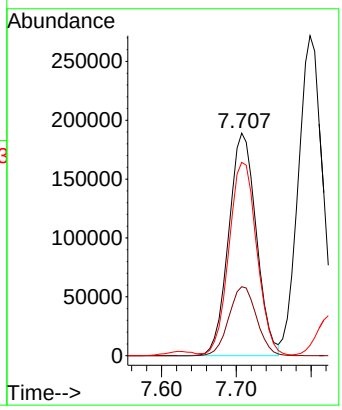
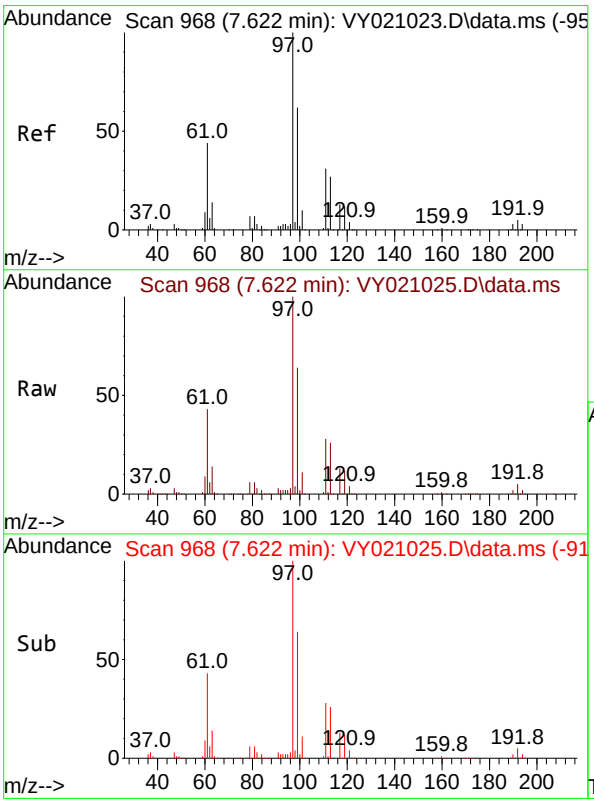
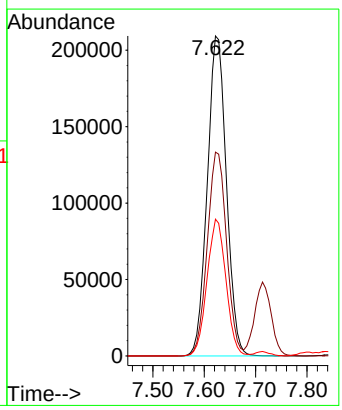


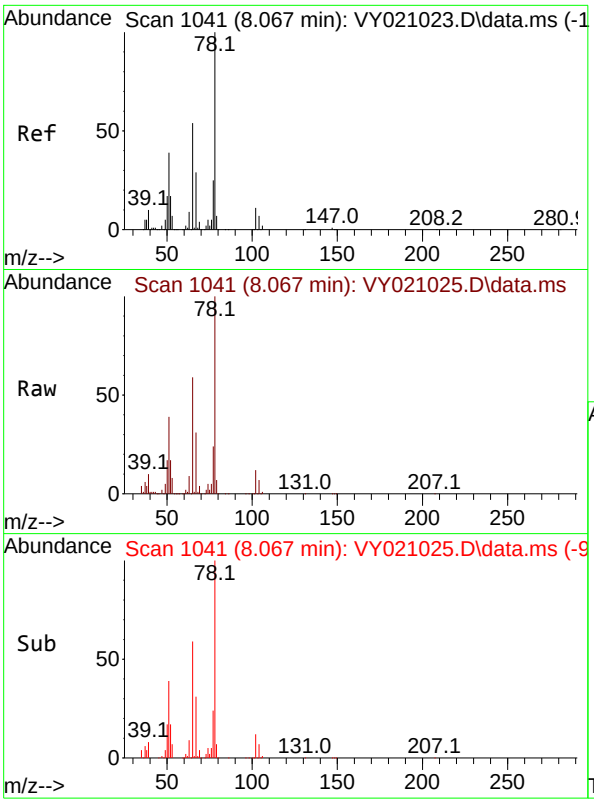




#32
1,1,1-Trichloroethane
Concen: 151.377 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 97 Resp: 540513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 51.2 | 76.8 |
| 61 | 42.5 | 35.0 | 52.6 |

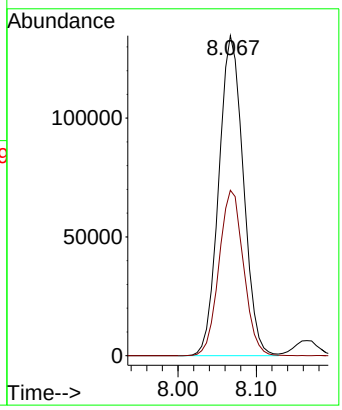





#33
1,2-Dichloroethane-d4
Concen: 145.336 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 65 Resp: 29366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 109.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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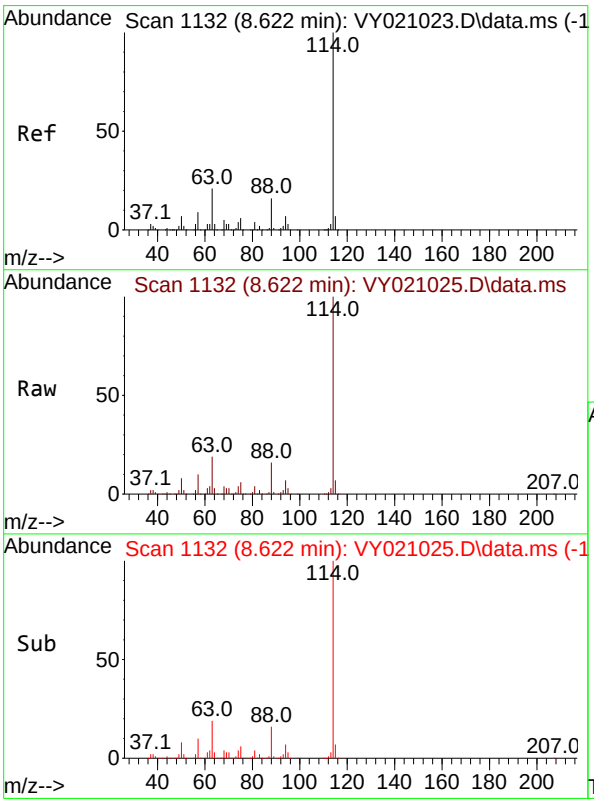
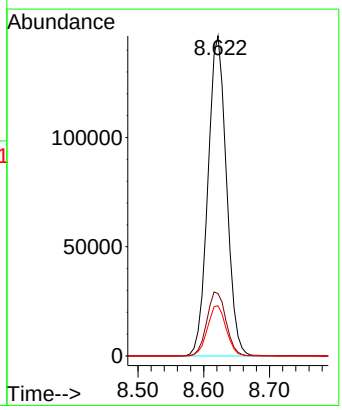
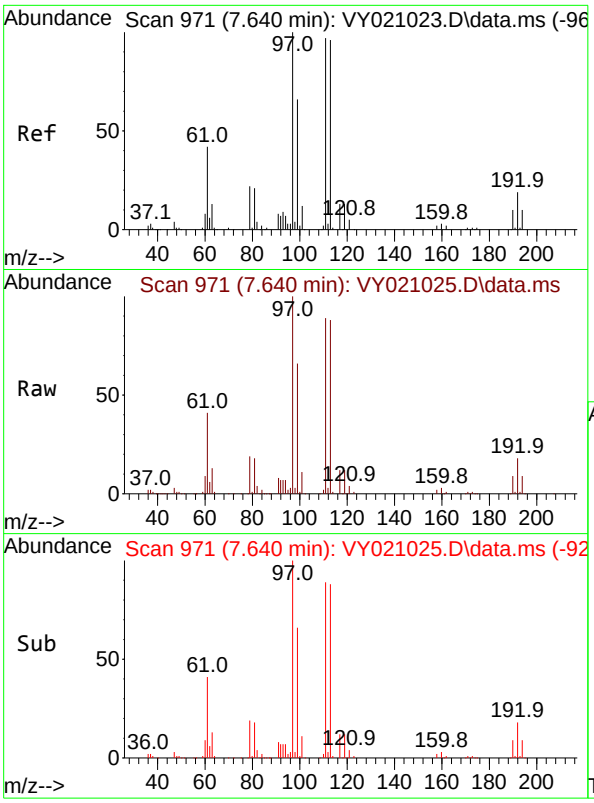



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:114 Resp: 287697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.5 | 0.0 | 37.4 |
| 88 | 15.7 | 0.0 | 29.0 |

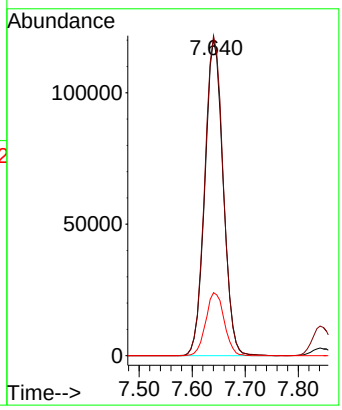





#35
Dibromofluoromethane
Concen: 155.917 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:113 Resp: 28779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 83.8 | 125.6 |
| 192 | 20.1 | 14.5 | 21.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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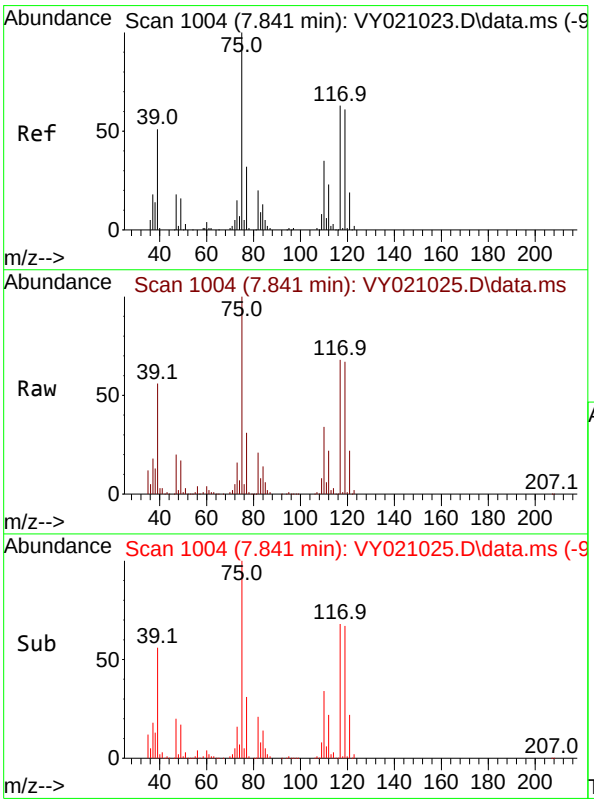
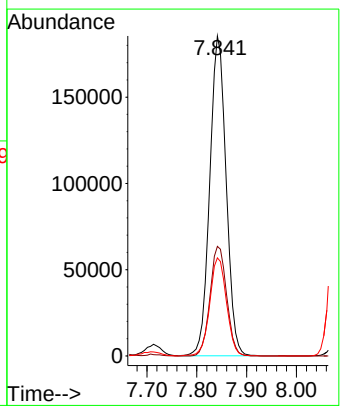
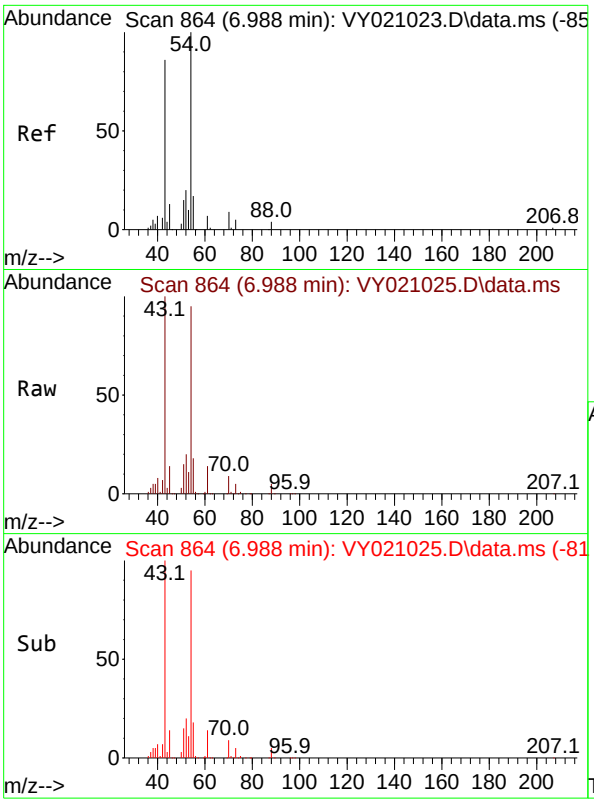



#36
1,1-Dichloropropene
Concen: 143.160 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 423720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.7 | 17.4 | 52.3 |
| 77 | 31.4 | 24.7 | 37.1 |






#37
Ethyl Acetate
Concen: 153.217 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 18666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 11.0 | 16.6 |
| 70 | 9.6 | 8.1 | 12.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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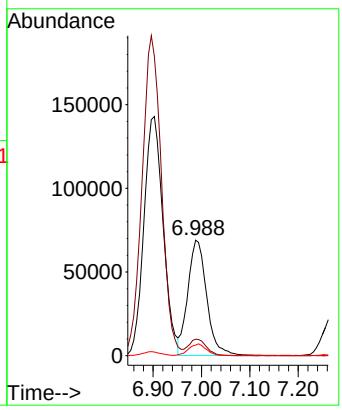
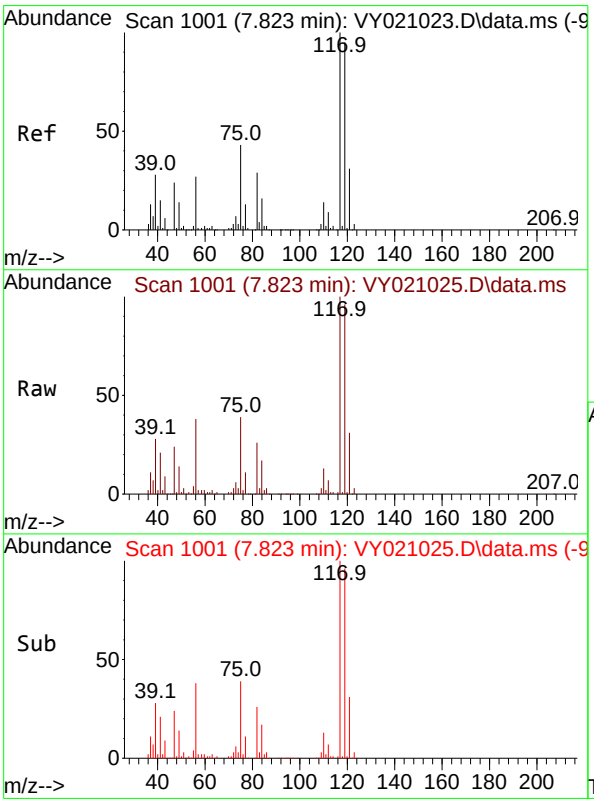
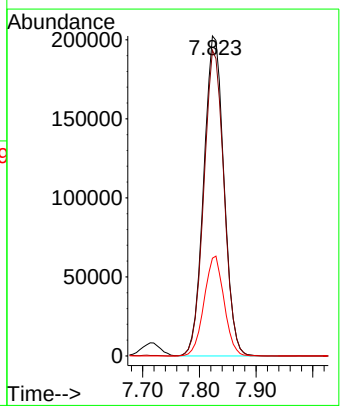


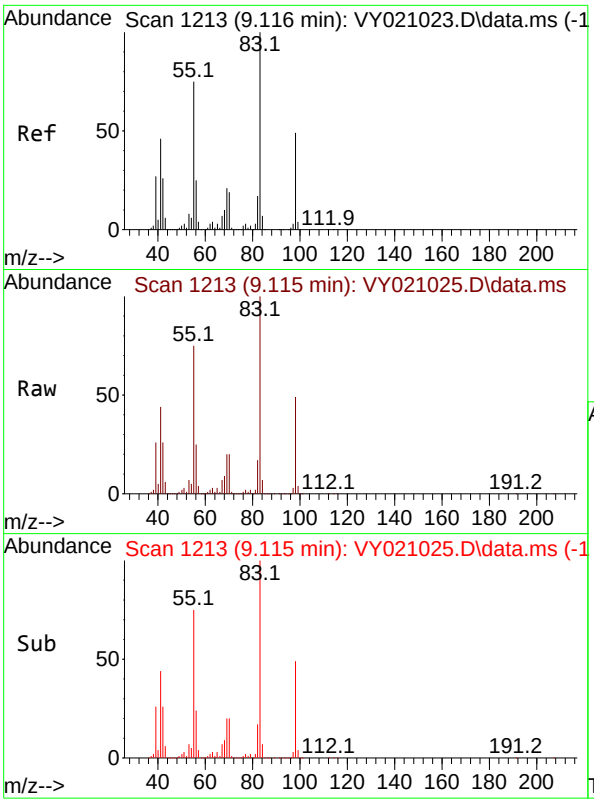




#38
Carbon Tetrachloride
Concen: 170.502 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 501205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 76.0 | 114.0 |
| 121 | 30.6 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 152.474 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 54290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.5 | 59.7 | 89.5 |
| 98 | 49.2 | 38.0 | 57.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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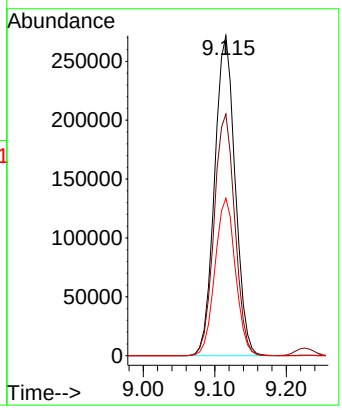
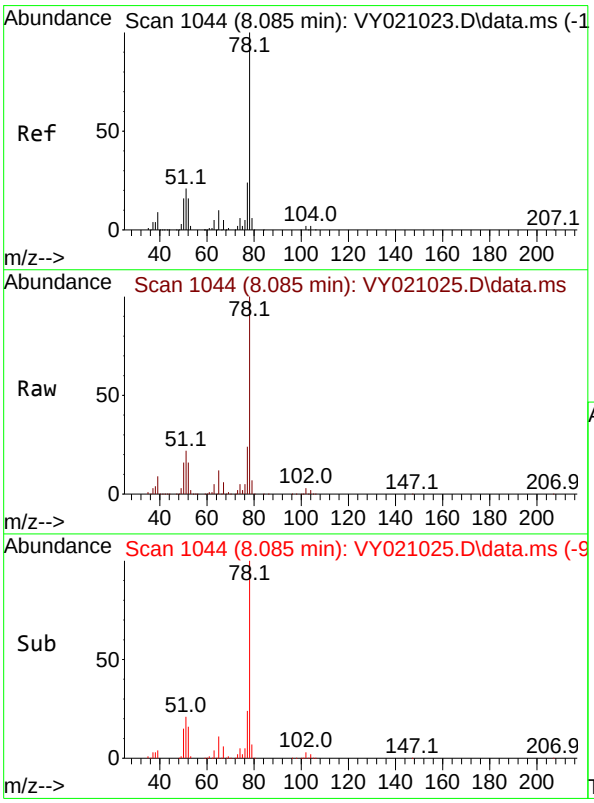
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

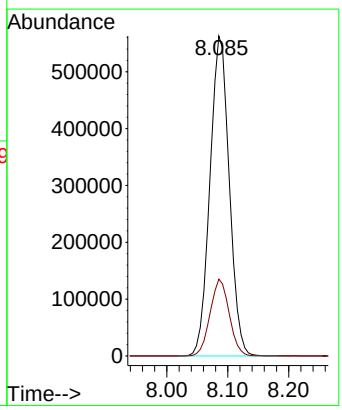


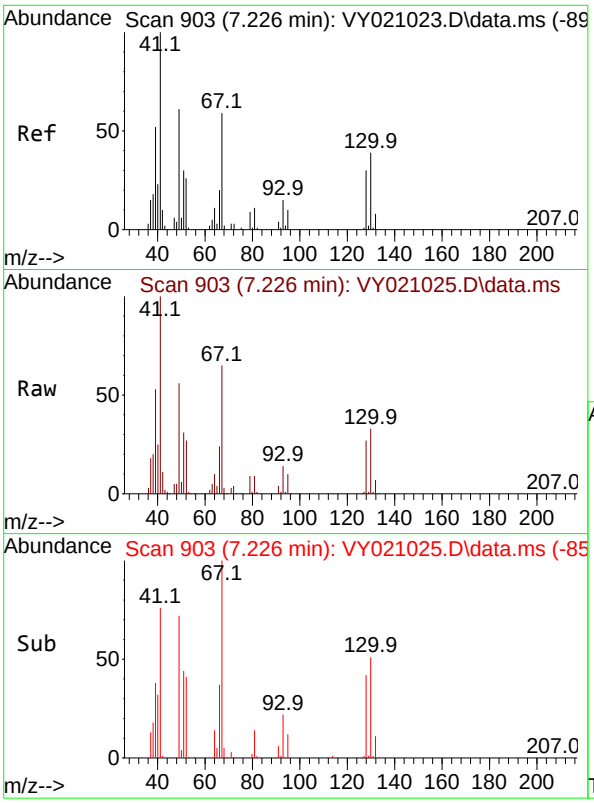




#40
Benzene
Concen: 148.429 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 78 Resp: 1239229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 18.8 | 28.2 |

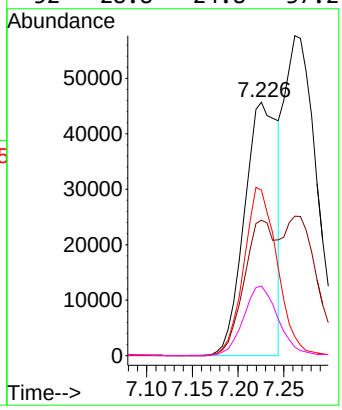





#41
Methacrylonitrile
Concen: 185.120 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 11523

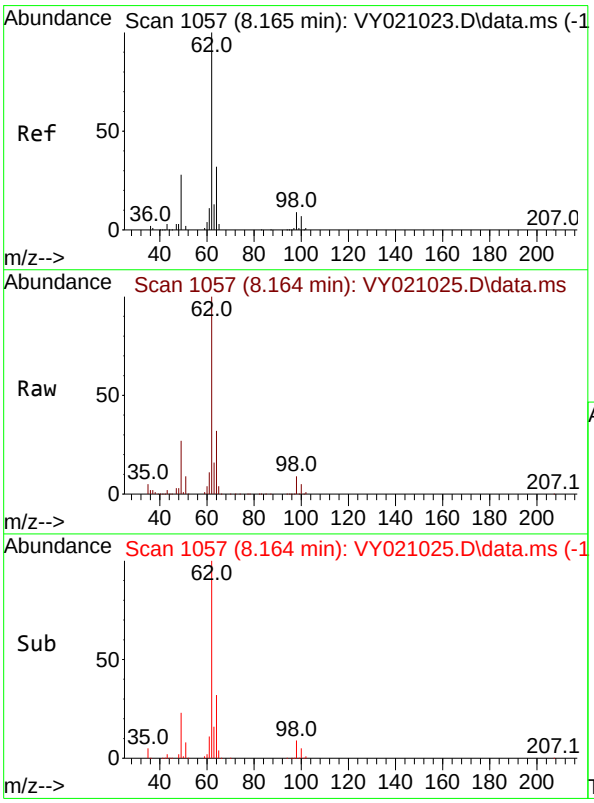
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.7 | 41.9 | 62.9 |
| 67 | 67.4 | 59.8 | 89.6 |
| 52 | 28.8 | 24.8 | 37.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

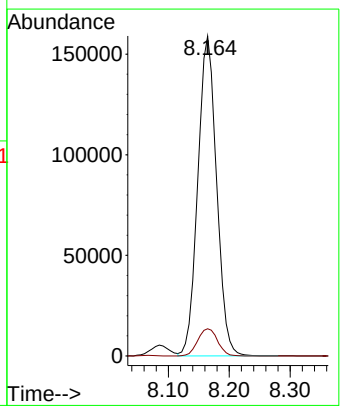
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

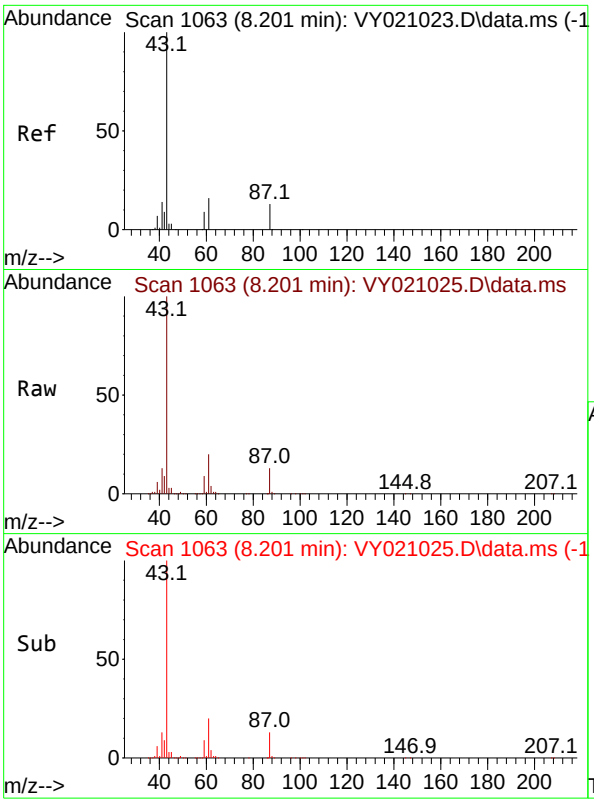



#42
1,2-Dichloroethane
Concen: 158.367 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 62 Resp: 340547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 20.2 |

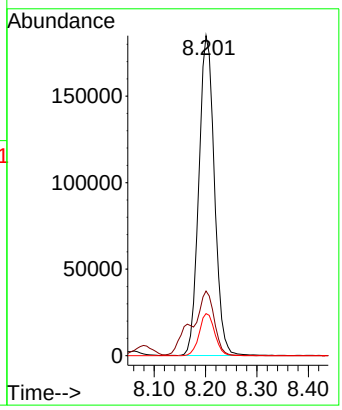





#43
Isopropyl Acetate
Concen: 175.917 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 38896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.0 | 24.8 | 37.2 |
| 87 | 13.1 | 10.7 | 16.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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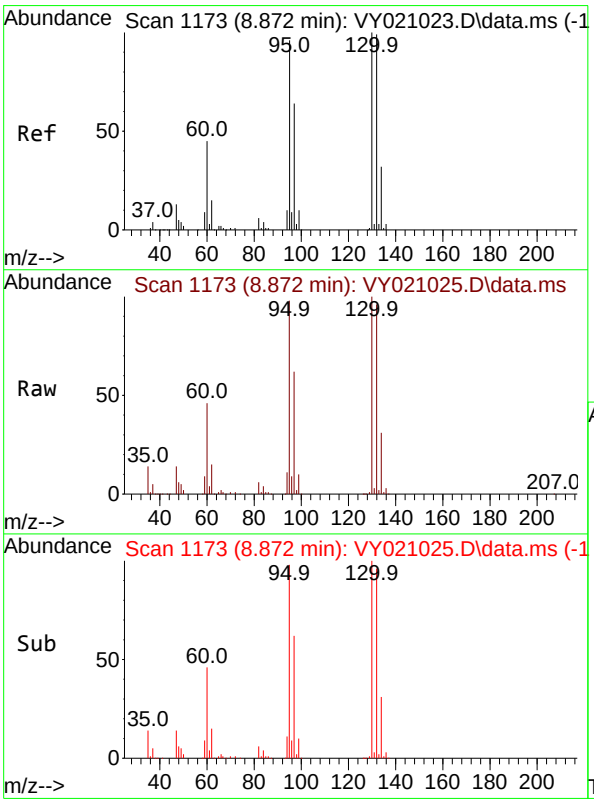
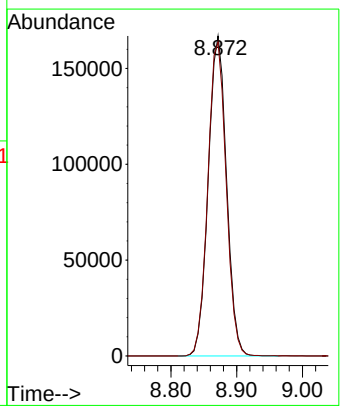
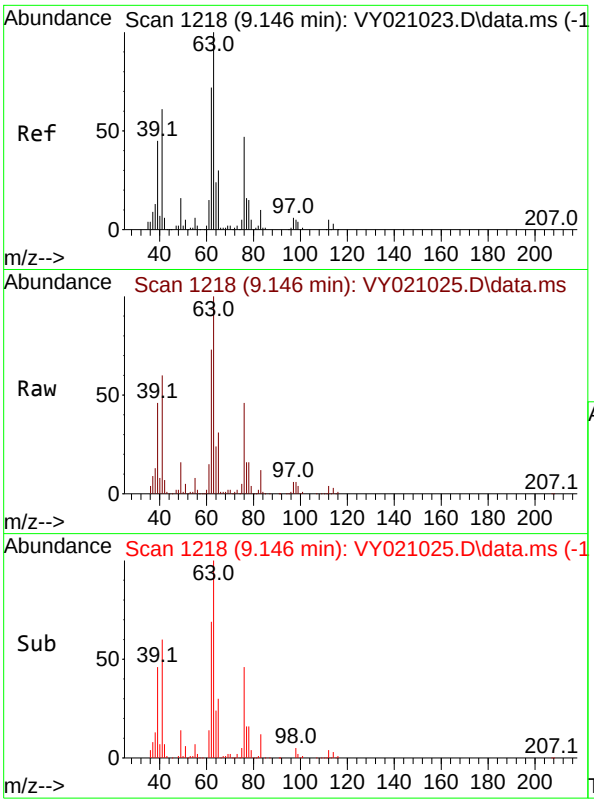



#44
Trichloroethene
Concen: 150.703 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:130 Resp: 323716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.0 | 0.0 | 203.8 |

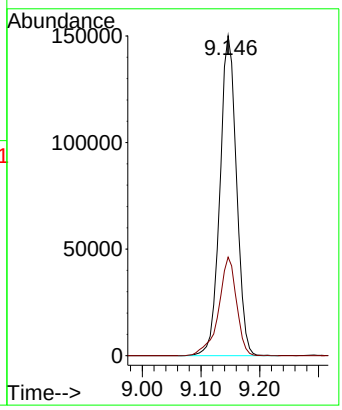





#45
1,2-Dichloropropane
Concen: 147.060 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 29415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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Reviewed By :Mahesh Dadoda 02/04/2025
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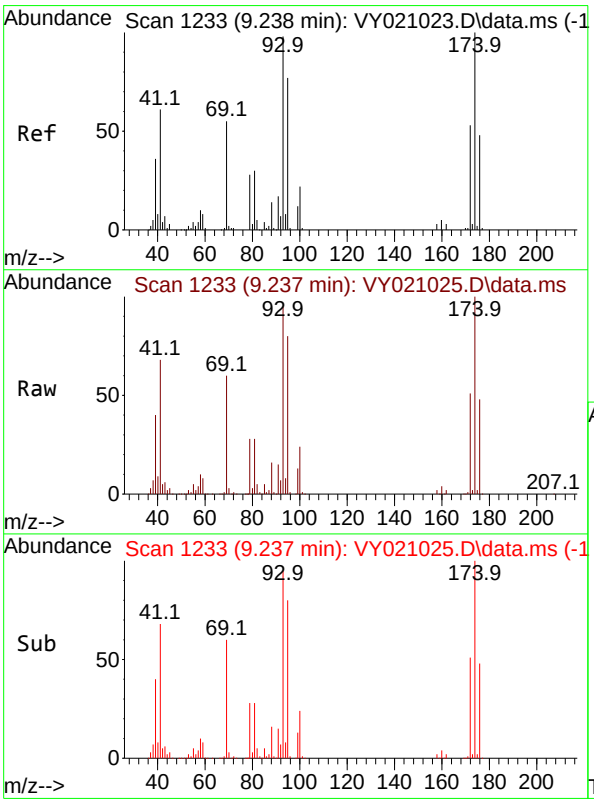
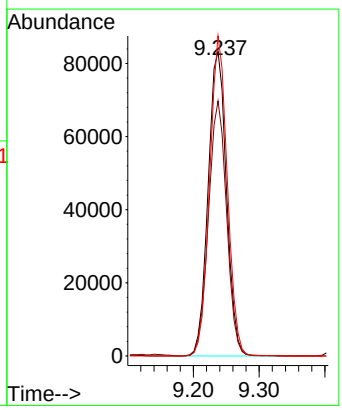
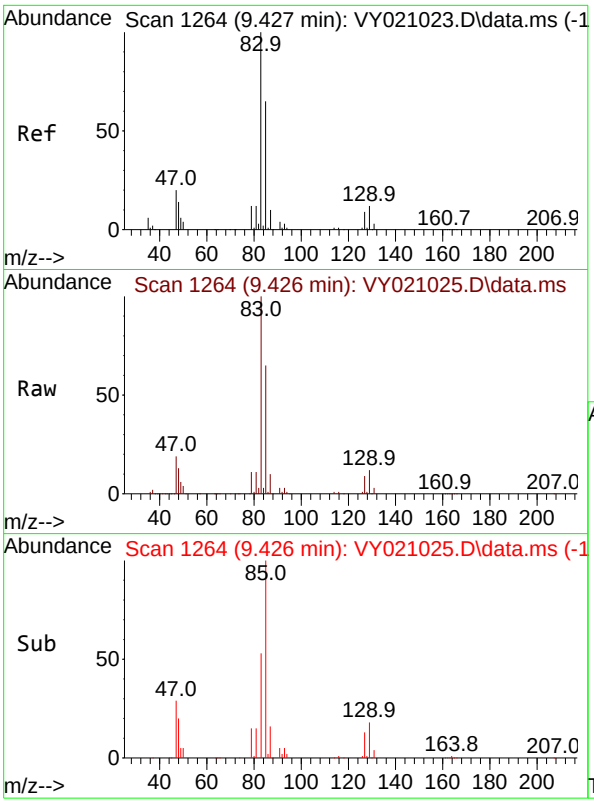



#46
Dibromomethane
Concen: 154.118 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 93 Resp: 161341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.9 | 66.6 | 99.8 |
| 174 | 101.4 | 73.8 | 110.6 |

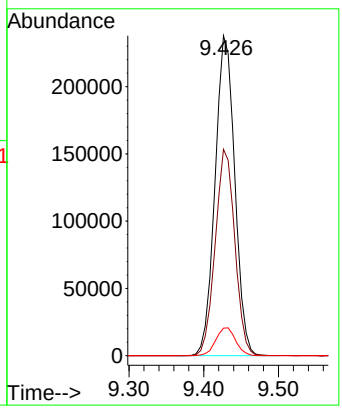





#47
Bromodichloromethane
Concen: 160.591 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 43711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 53.2 | 79.8 |
| 127 | 8.6 | 6.4 | 9.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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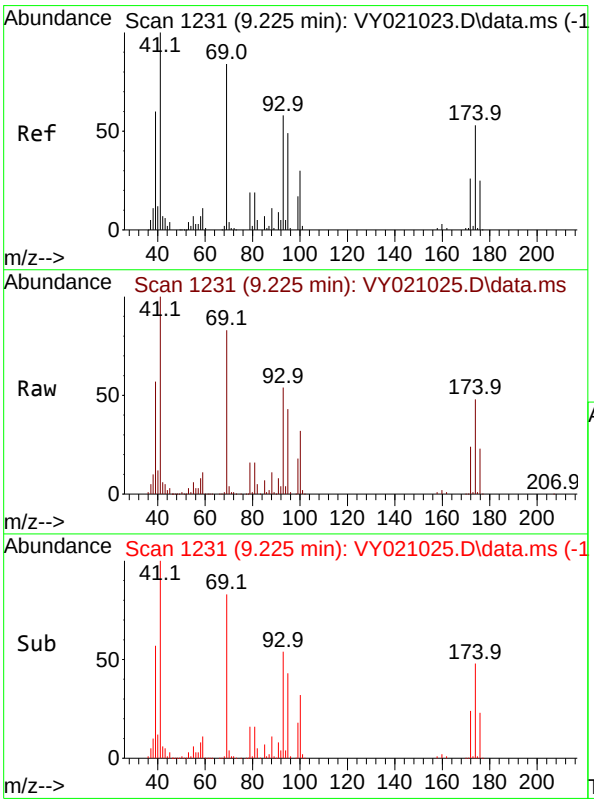
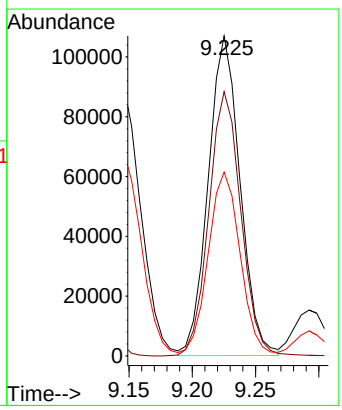
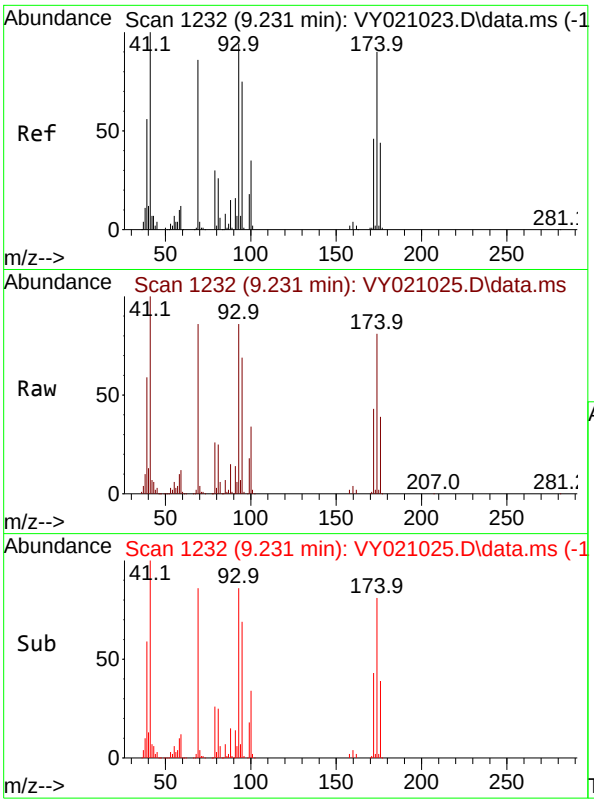



#48
Methyl methacrylate
Concen: 167.251 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 187040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.4 | 72.1 | 108.1 |
| 39 | 55.8 | 42.8 | 64.2 |

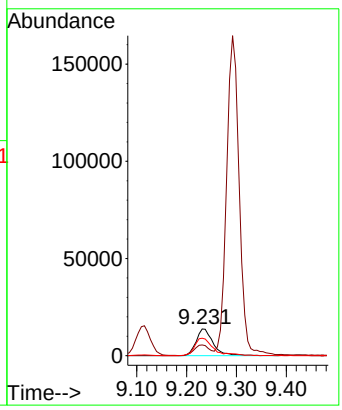





#49
1,4-Dioxane
Concen: 3078.544 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 88 Resp: 3270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.2 | 28.2 | 42.4 |
| 58 | 72.3 | 52.2 | 78.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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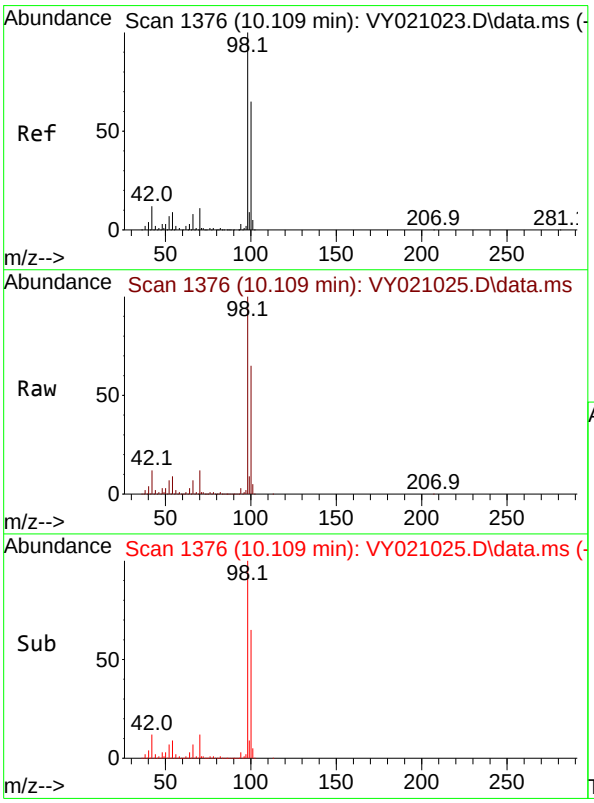
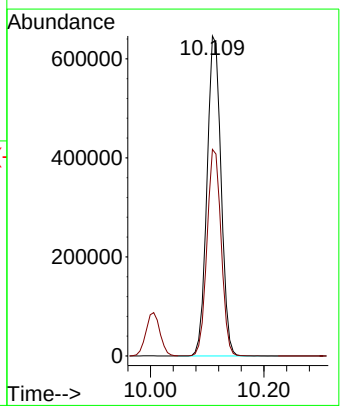
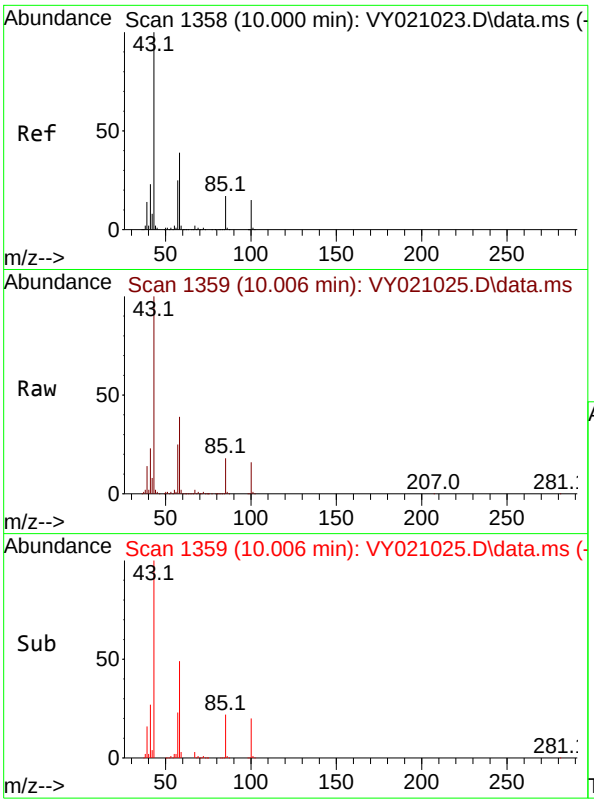



#50
Toluene-d8
Concen: 156.140 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 98 Resp: 1111573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 52.3 | 78.5 |

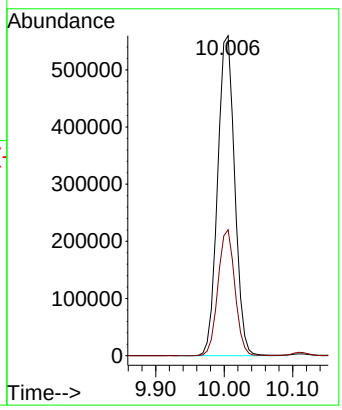





#51
4-Methyl-2-Pentanone
Concen: 814.397 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 96550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.9 | 32.2 | 48.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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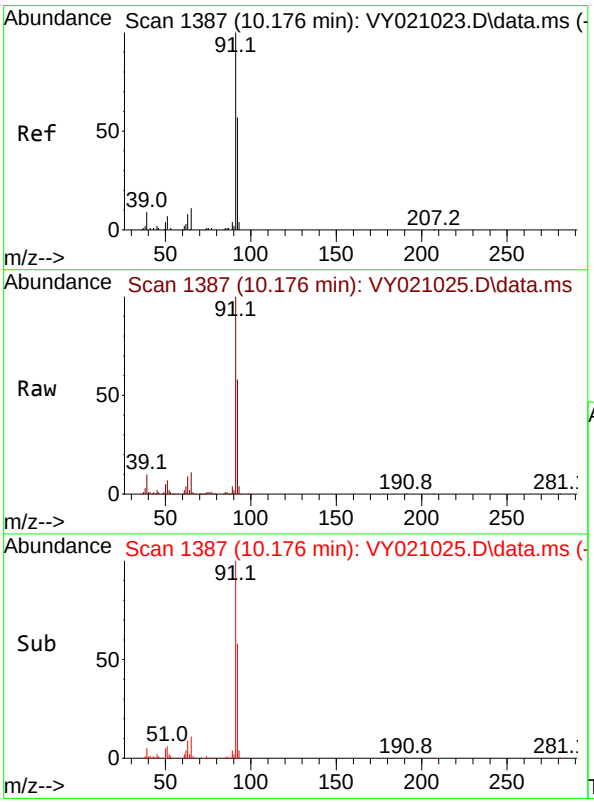
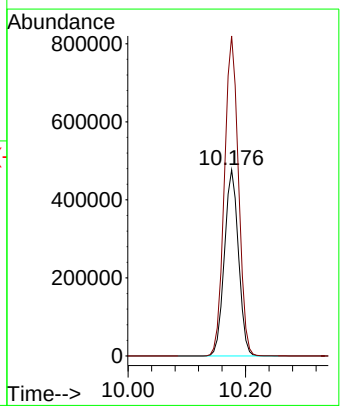
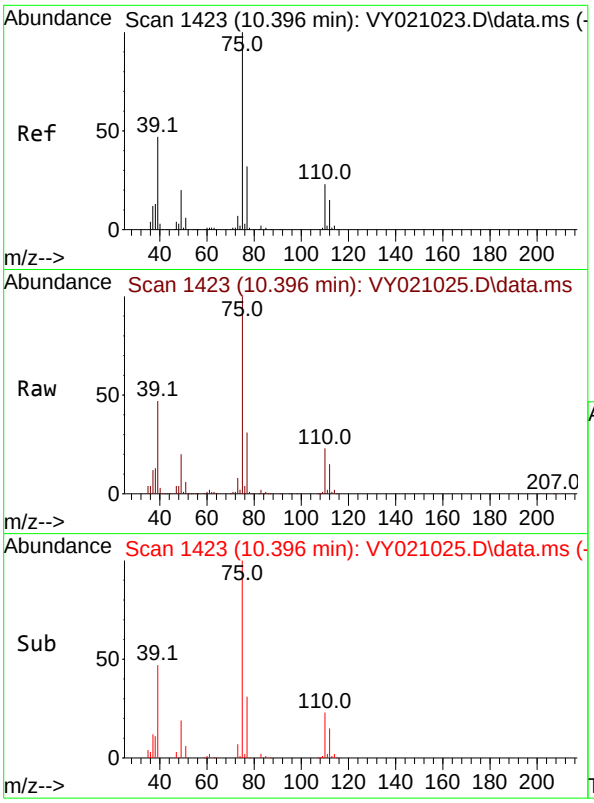



#52
Toluene
Concen: 155.591 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 92 Resp: 792134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.3 | 137.6 | 206.4 |

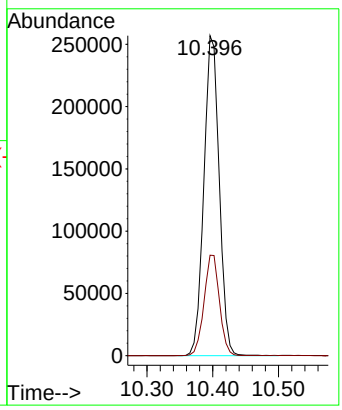





#53
t-1,3-Dichloropropene
Concen: 166.270 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 41687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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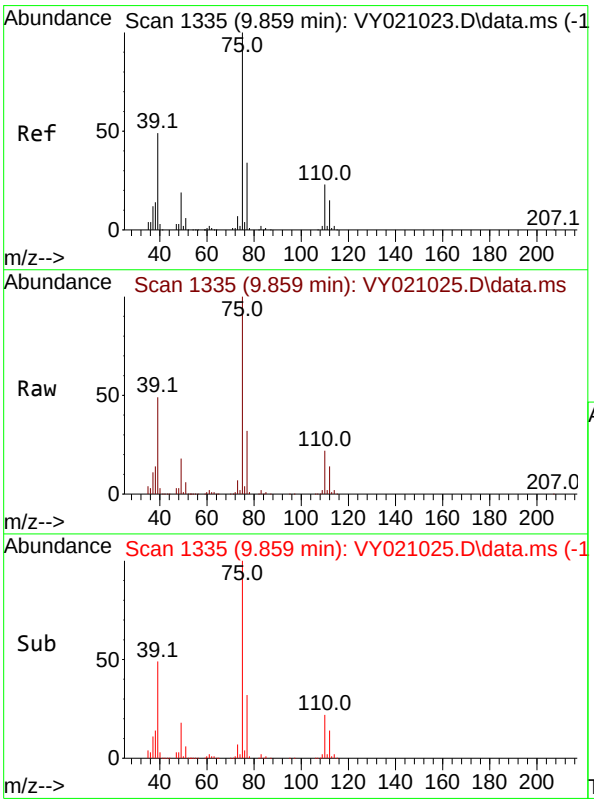
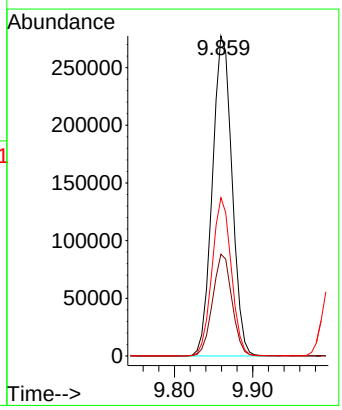
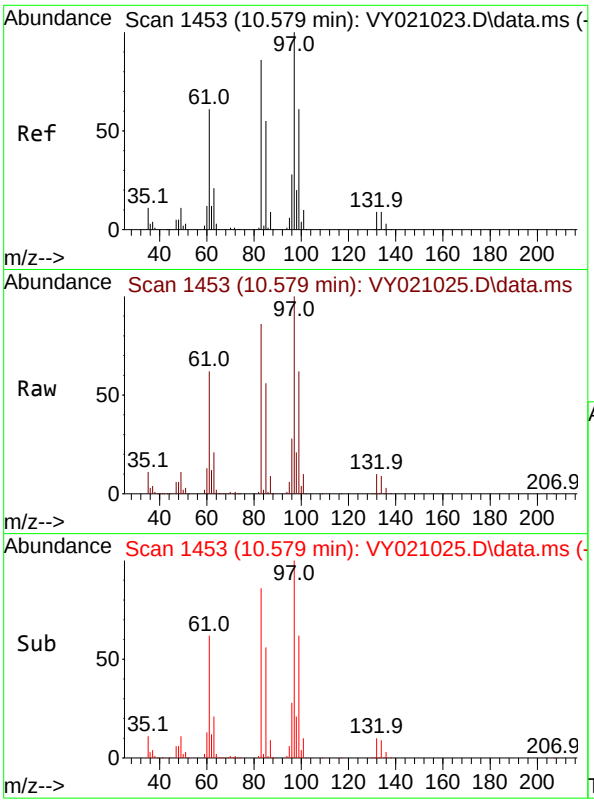



#54
cis-1,3-Dichloropropene
Concen: 158.232 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 483429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 24.6 | 36.8 |
| 39 | 49.4 | 33.6 | 50.4 |

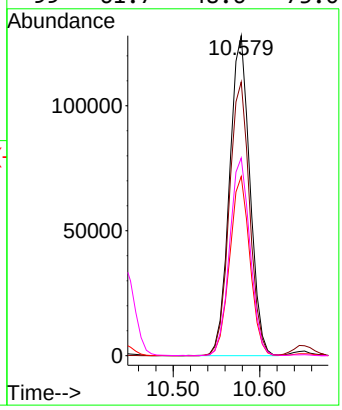





#55
1,1,2-Trichloroethane
Concen: 146.925 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 97 Resp: 20900

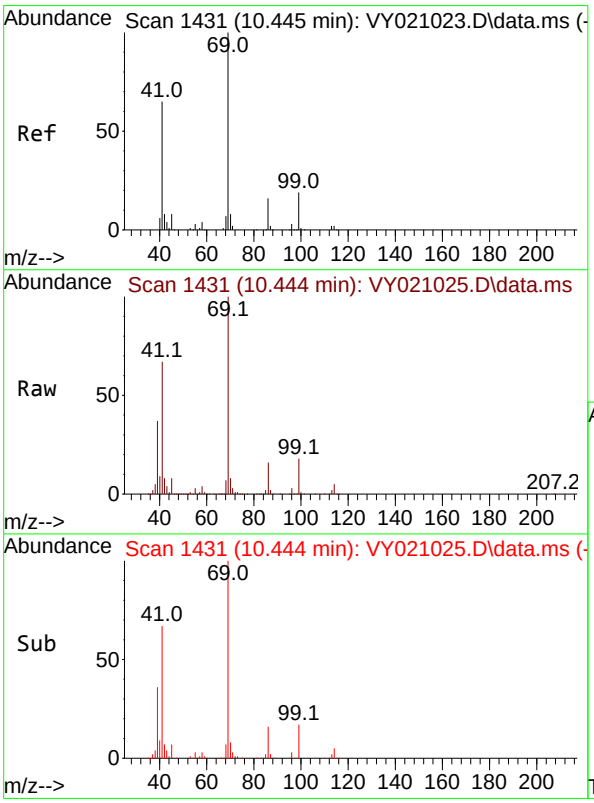
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 69.4 | 104.2 |
| 85 | 56.0 | 43.9 | 65.9 |
| 99 | 61.7 | 48.6 | 73.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

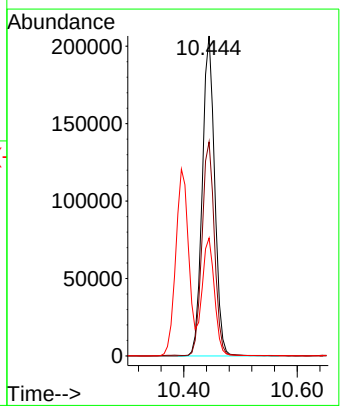
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

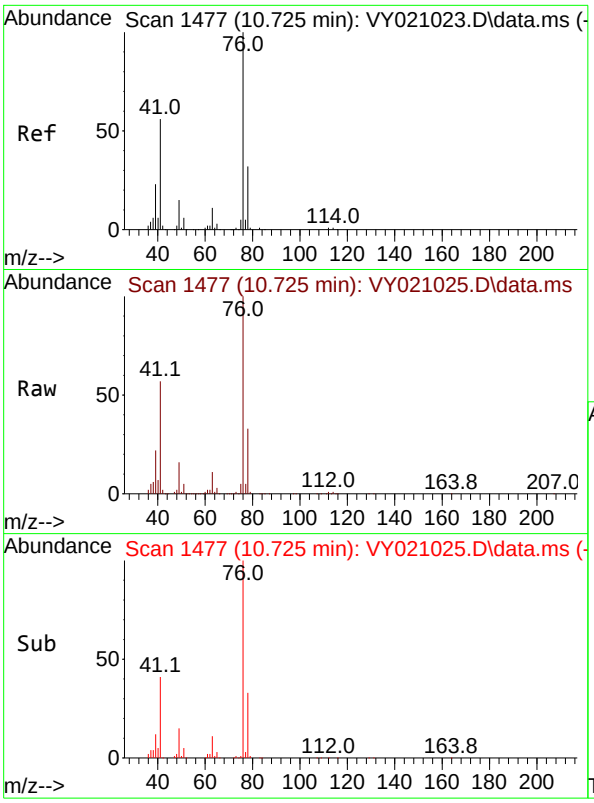



#56
Ethyl methacrylate
Concen: 200.500 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 69 Resp: 313458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 67.0 | 49.2 | 73.8 |
| 39 | 37.0 | 26.8 | 40.2 |

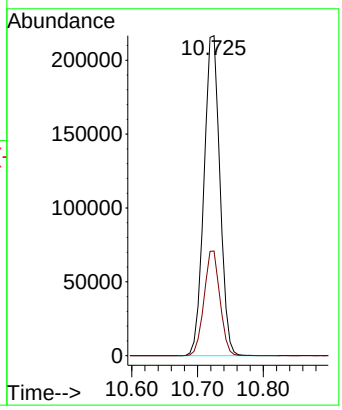





#57
1,3-Dichloropropane
Concen: 149.005 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 76 Resp: 36555

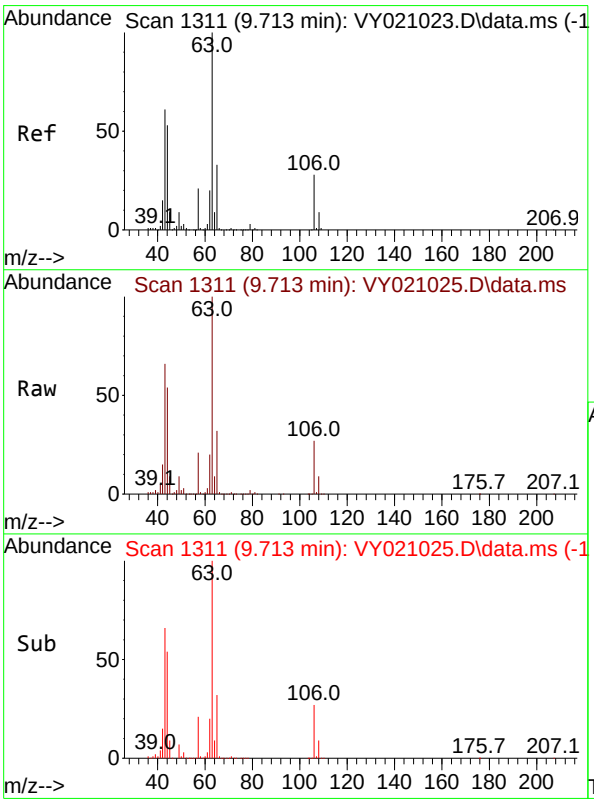
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

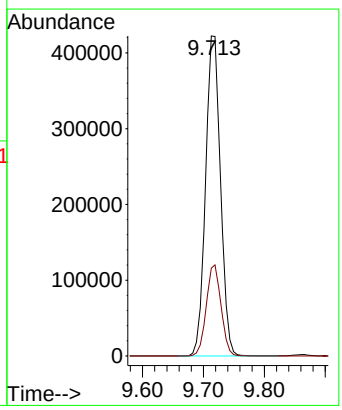
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

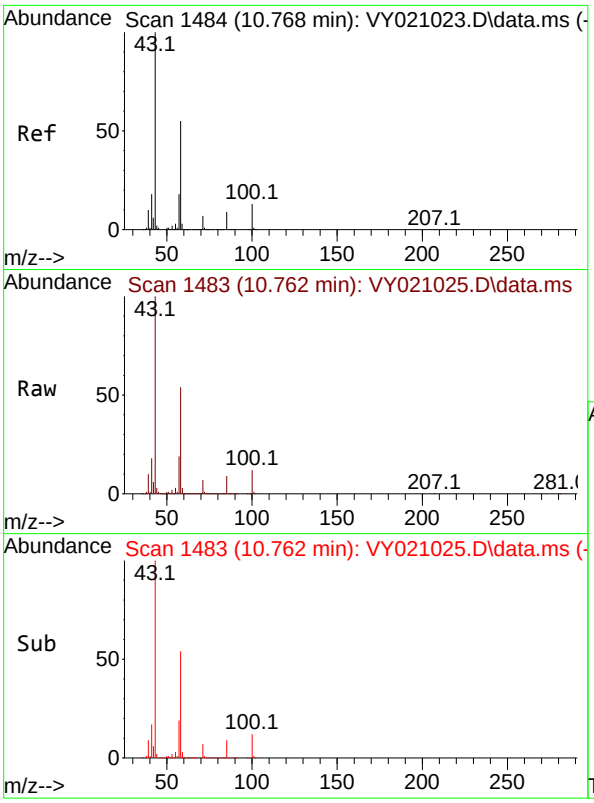



#58
2-Chloroethyl Vinyl ether
Concen: 788.766 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 721923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.0 | 22.4 | 33.6 |

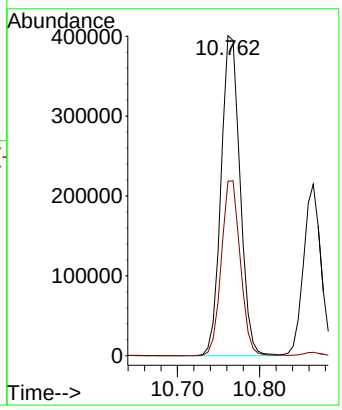





#59
2-Hexanone
Concen: 763.675 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 64244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.6 | 28.1 | 84.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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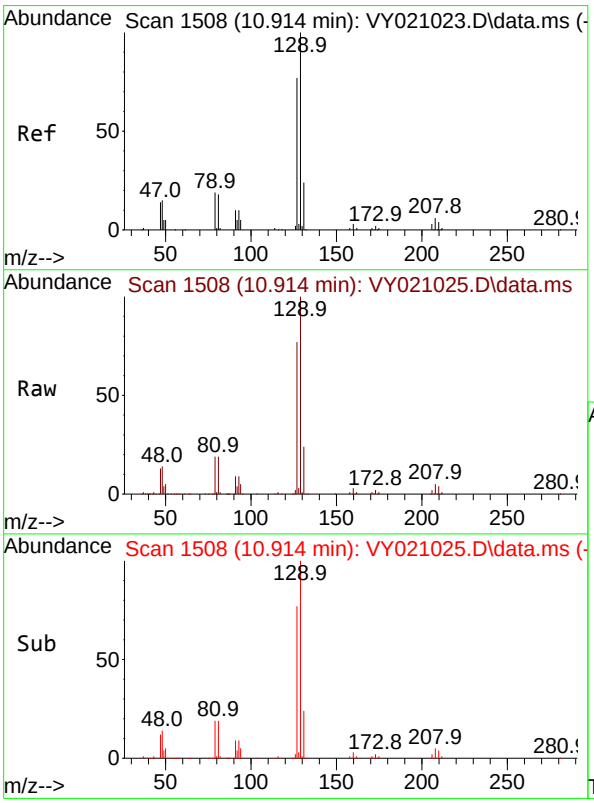
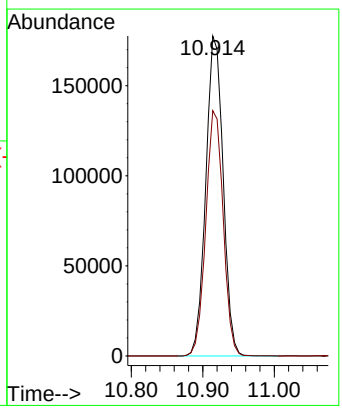
Supervised By :Semsettin Yesilyurt 02/04/2025

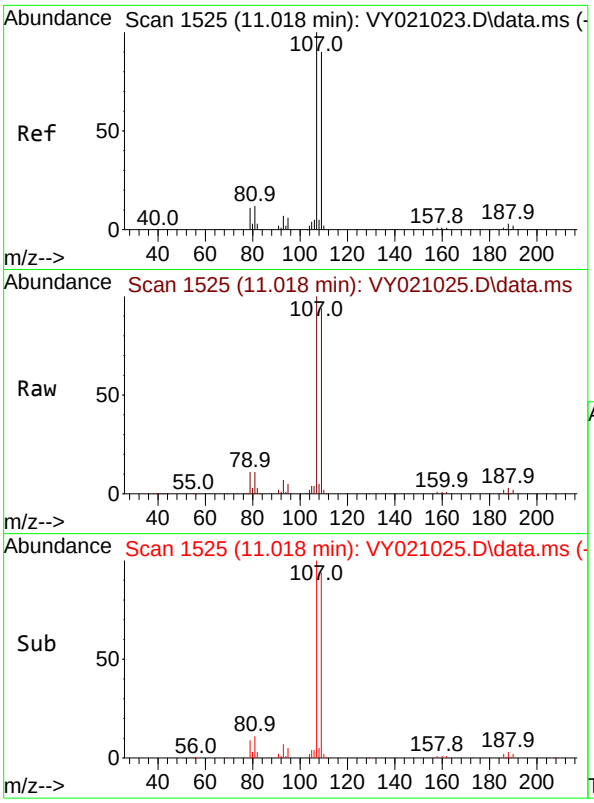



#60
Dibromochloromethane
Concen: 175.351 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:129 Resp: 298751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 39.2 | 117.6 |

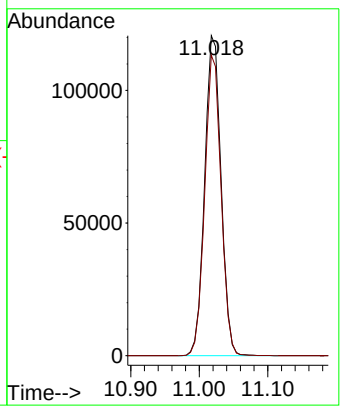





#61
1,2-Dibromoethane
Concen: 153.273 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:107 Resp: 20084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.5 | 75.4 | 113.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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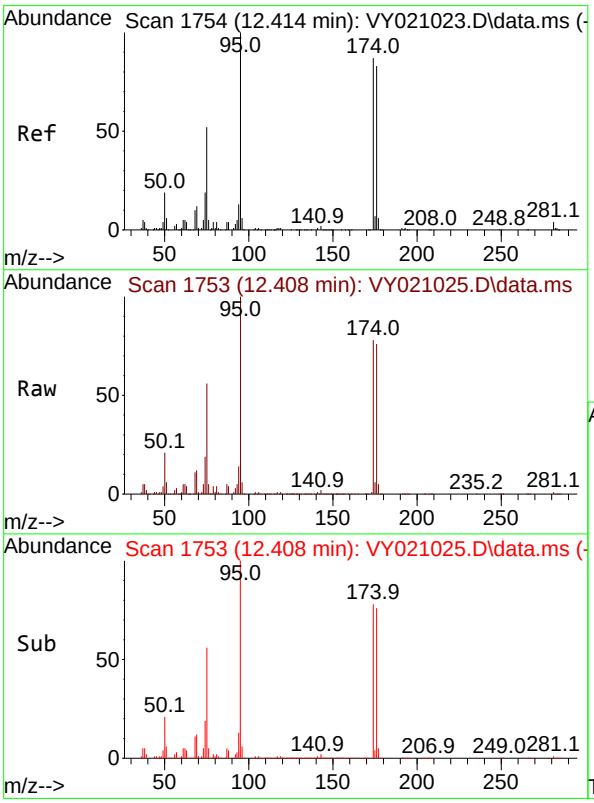
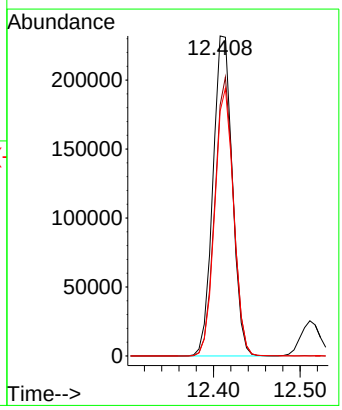
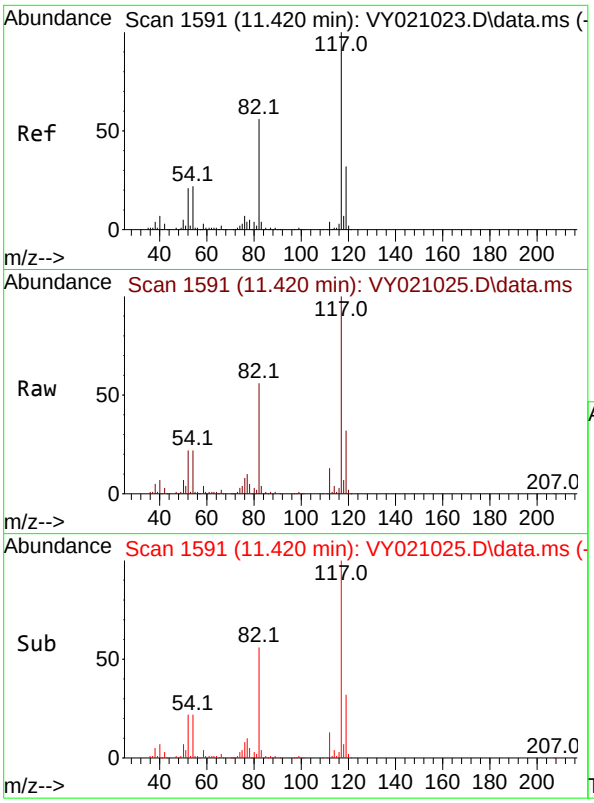



#62
4-Bromofluorobenzene
Concen: 162.912 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 95 Resp: 360358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.2 | 0.0 | 160.0 |
| 176 | 81.4 | 0.0 | 151.8 |

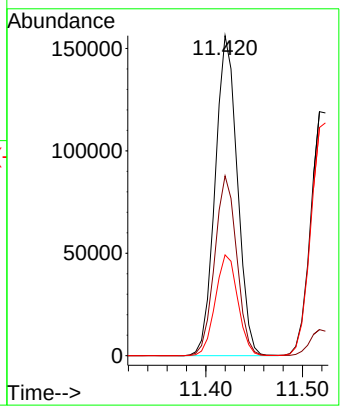





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 24852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.2 | 43.8 | 65.8 |
| 119 | 31.5 | 26.5 | 39.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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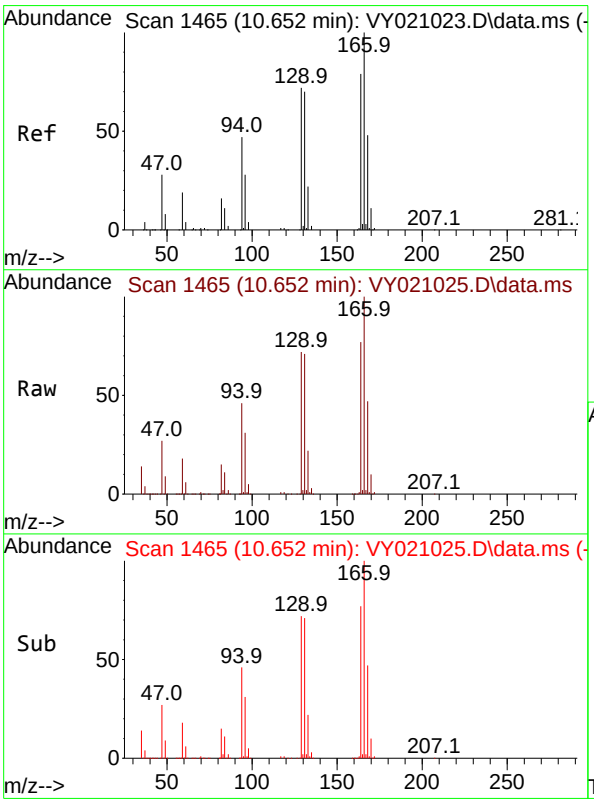
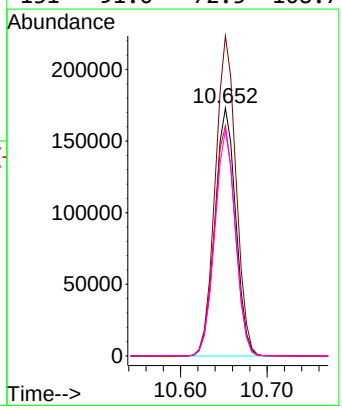
Supervised By :Semsettin Yesilyurt 02/04/2025

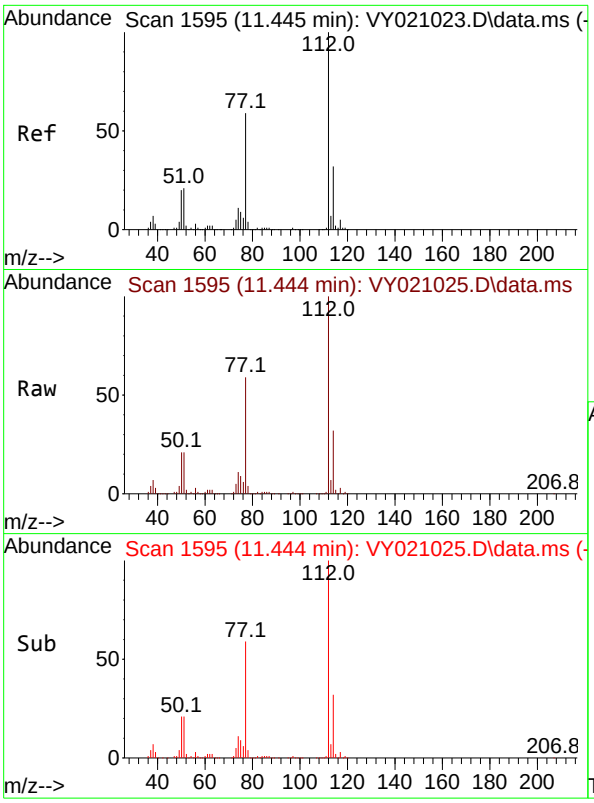



#64
Tetrachloroethene
Concen: 156.856 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:164 Resp: 288752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.1 | 98.8 | 148.2 |
| 129 | 92.8 | 78.9 | 118.3 |
| 131 | 91.0 | 72.5 | 108.7 |

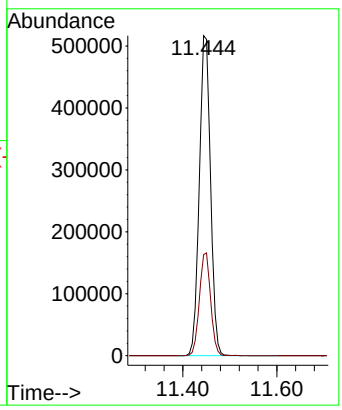





#65
Chlorobenzene
Concen: 161.190 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:112 Resp: 85448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.6 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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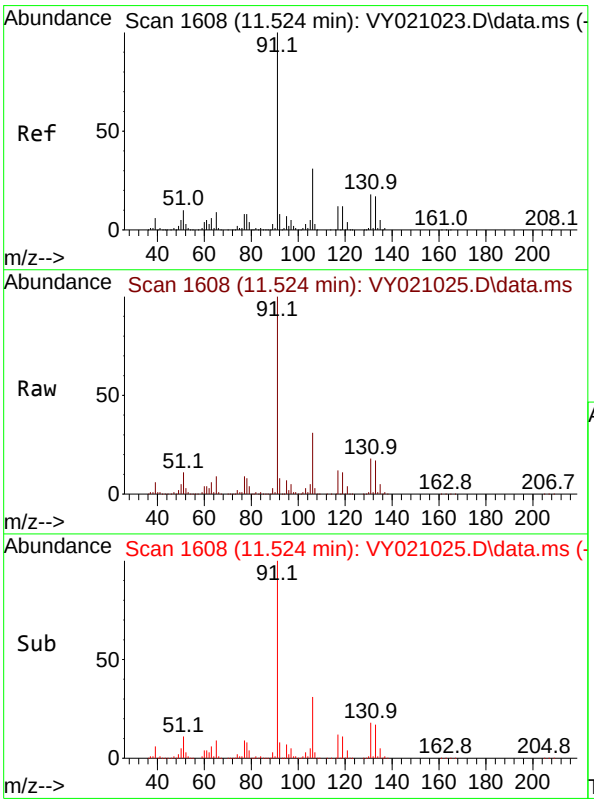
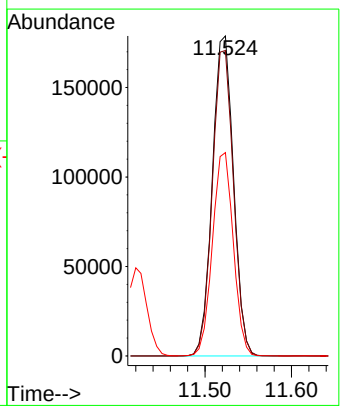
Supervised By :Semsettin Yesilyurt 02/04/2025

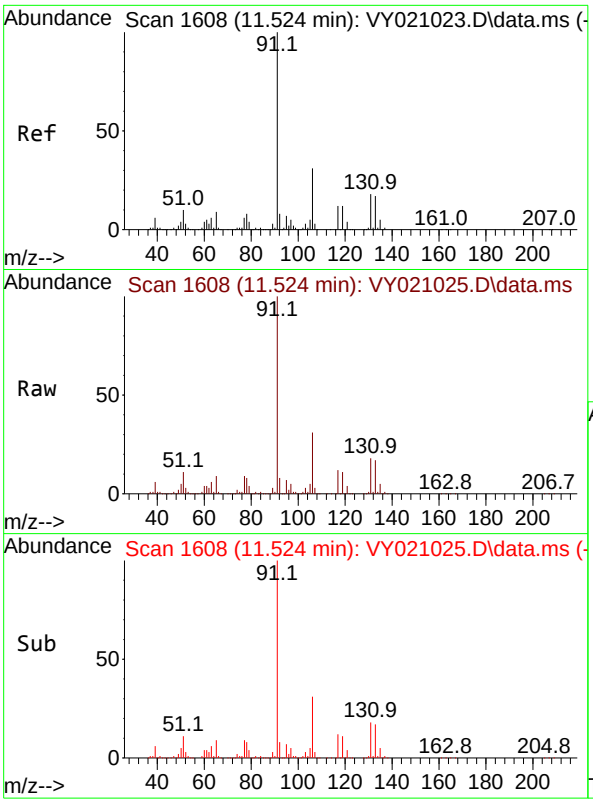



#66
1,1,1,2-Tetrachloroethane
Concen: 159.942 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:131 Resp: 303176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.7 | 47.0 | 141.0 |
| 119 | 62.8 | 33.3 | 99.9 |

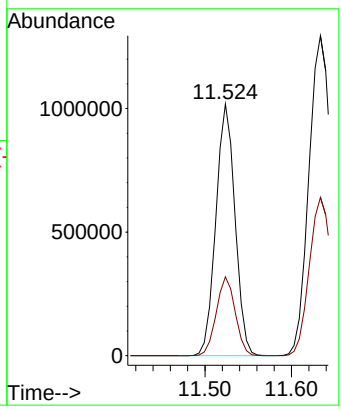





#67
Ethyl Benzene
Concen: 161.195 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 156065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 25.0 | 37.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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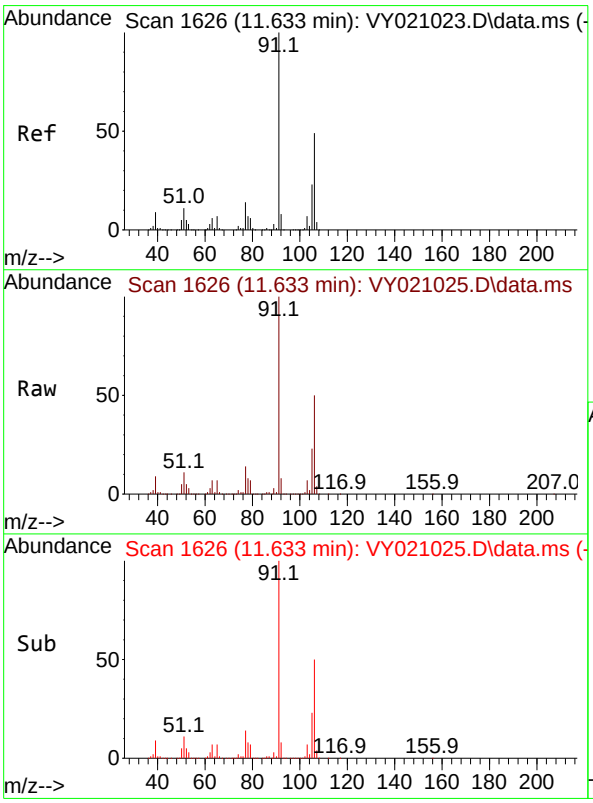
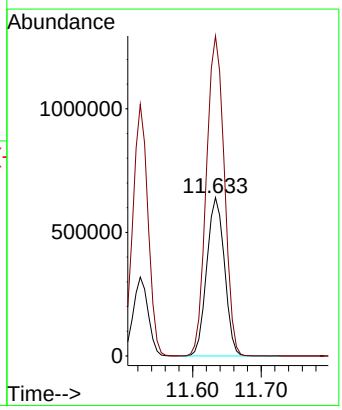
Supervised By :Semsettin Yesilyurt 02/04/2025

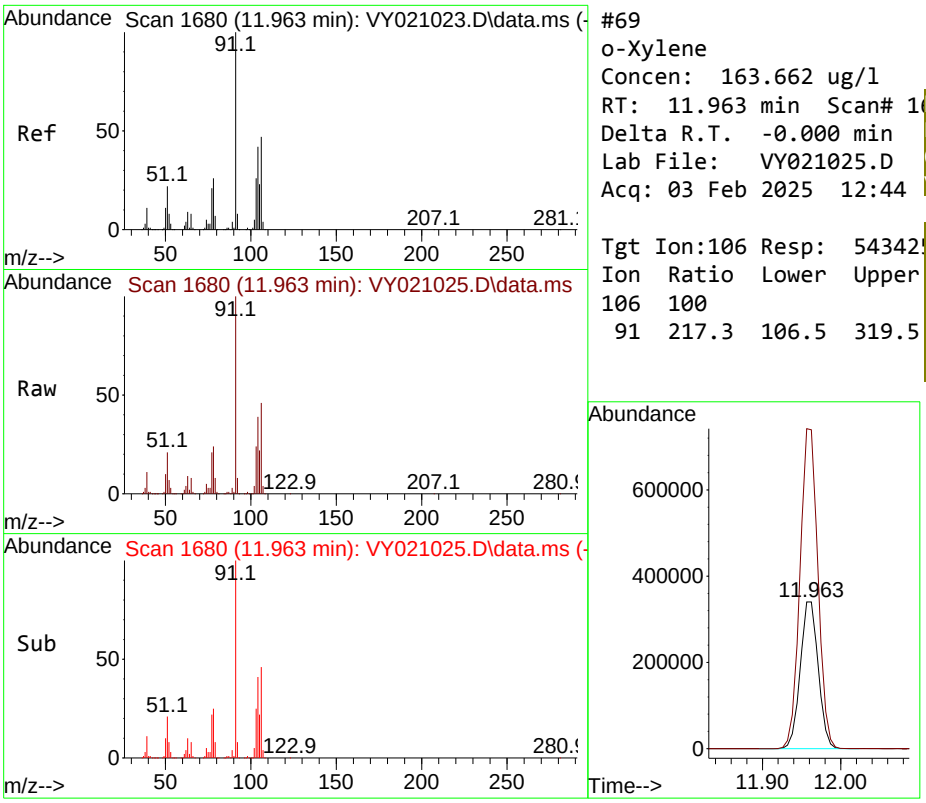



#68
m/p-Xylenes
Concen: 314.841 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:106 Resp: 1152452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.9 | 160.7 | 241.1 |






#69
o-Xylene
Concen: 163.662 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:106 Resp: 54342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.3 | 106.5 | 319.5 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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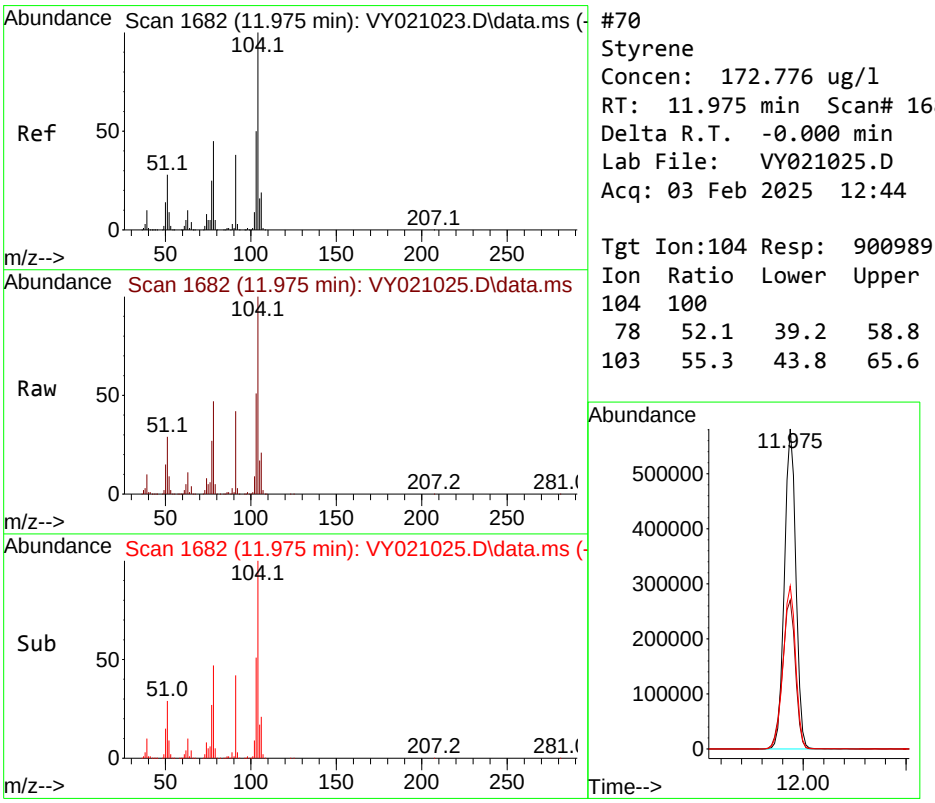
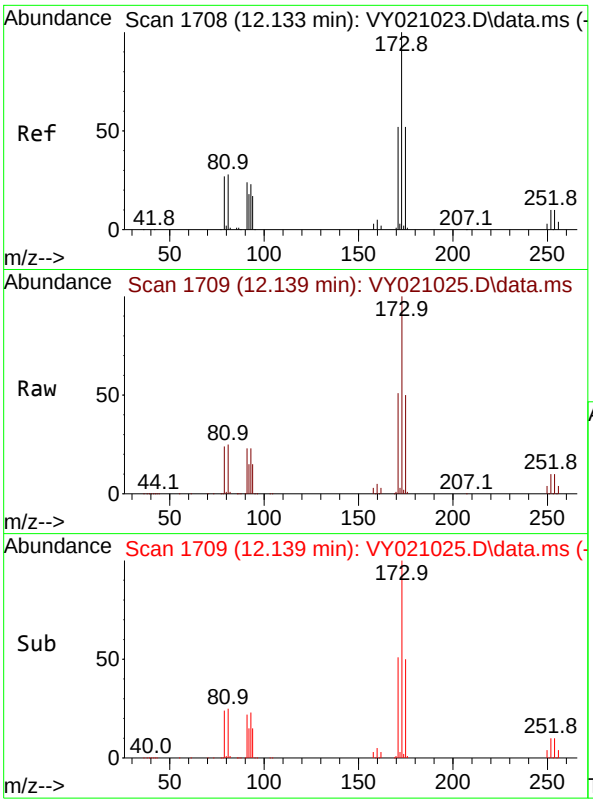



#70
Styrene
Concen: 172.776 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:104 Resp: 900989

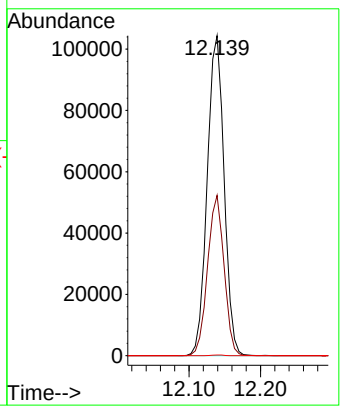
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 39.2 | 58.8 |
| 103 | 55.3 | 43.8 | 65.6 |




#71
Bromoform
Concen: 181.883 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:173 Resp: 17092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 23.5 | 70.6 |
| 254 | 0.1 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

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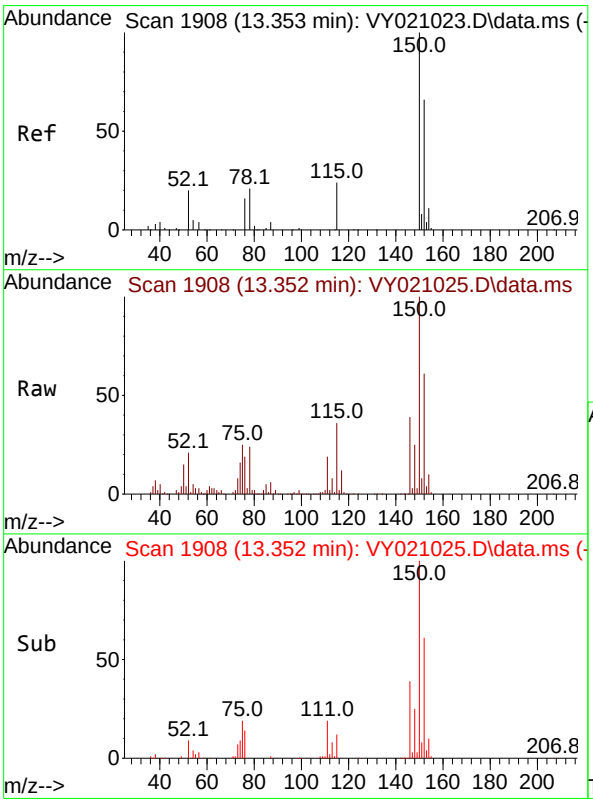
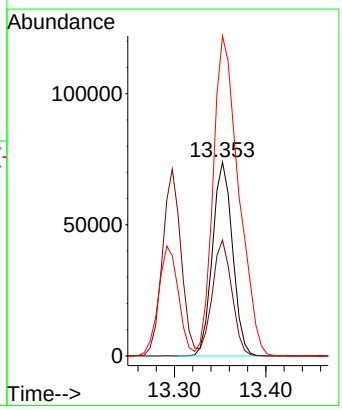
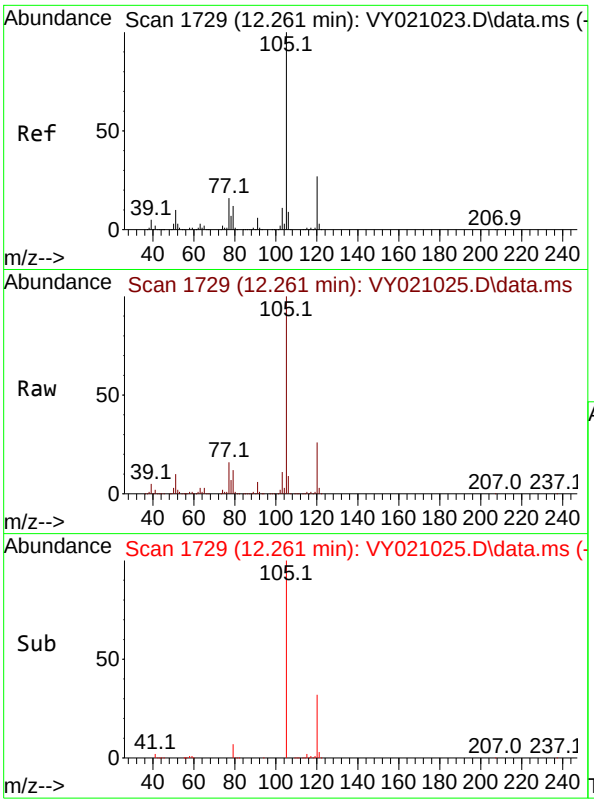



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:152 Resp: 112575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.8 | 30.0 | 90.0 |
| 150 | 210.4 | 0.0 | 344.6 |

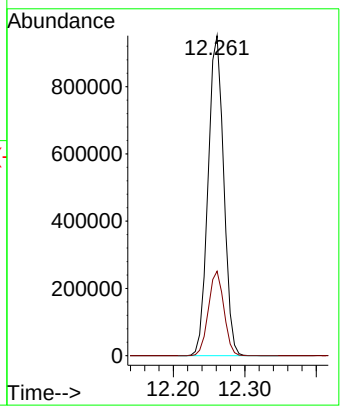





#73
Isopropylbenzene
Concen: 154.780 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 143964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 39.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

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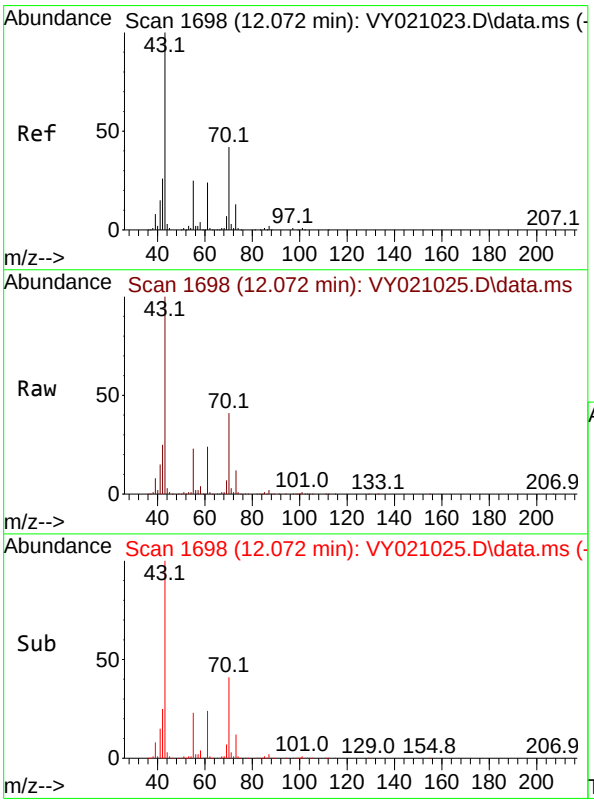
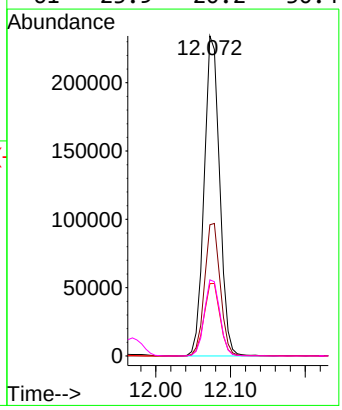
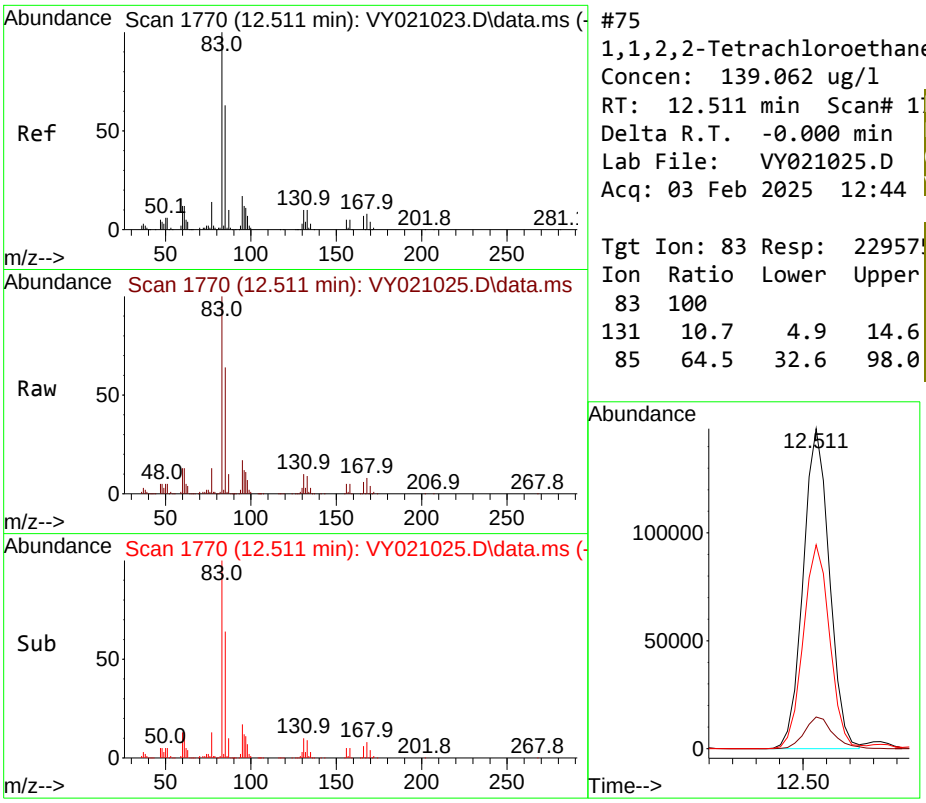



#74
N-amyl acetate
Concen: 180.383 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 337562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.9 | 36.6 | 55.0 |
| 55 | 23.4 | 22.2 | 33.4 |
| 61 | 23.9 | 20.2 | 30.4 |






#75
1,1,2,2-Tetrachloroethane
Concen: 139.062 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 22957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.7 | 4.9 | 14.6 |
| 85 | 64.5 | 32.6 | 98.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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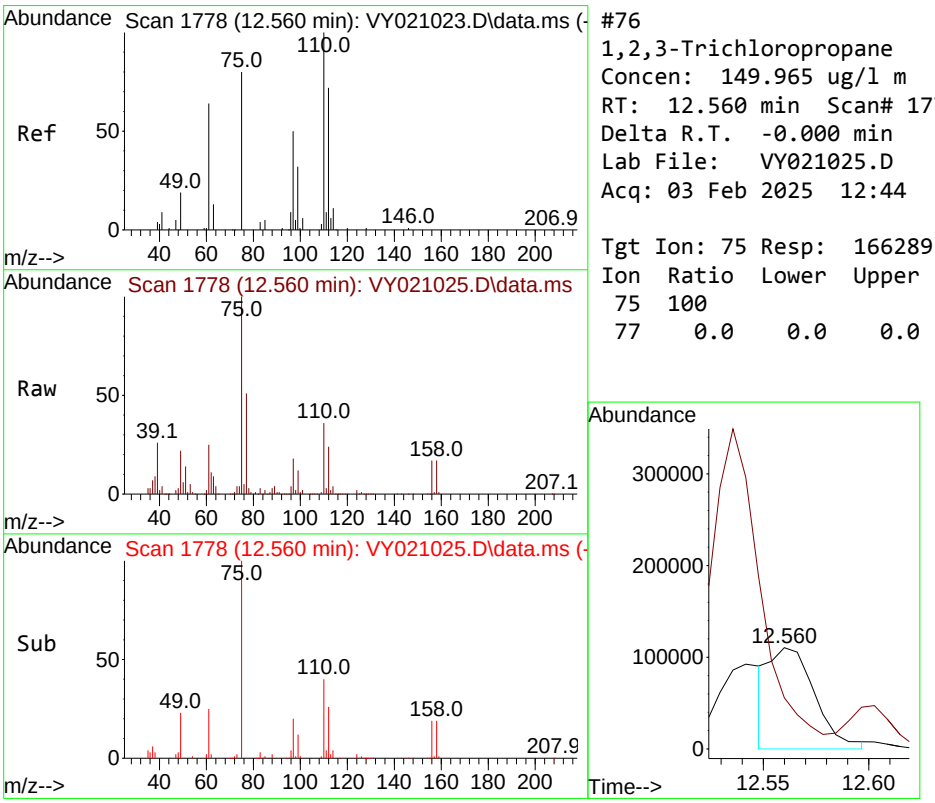
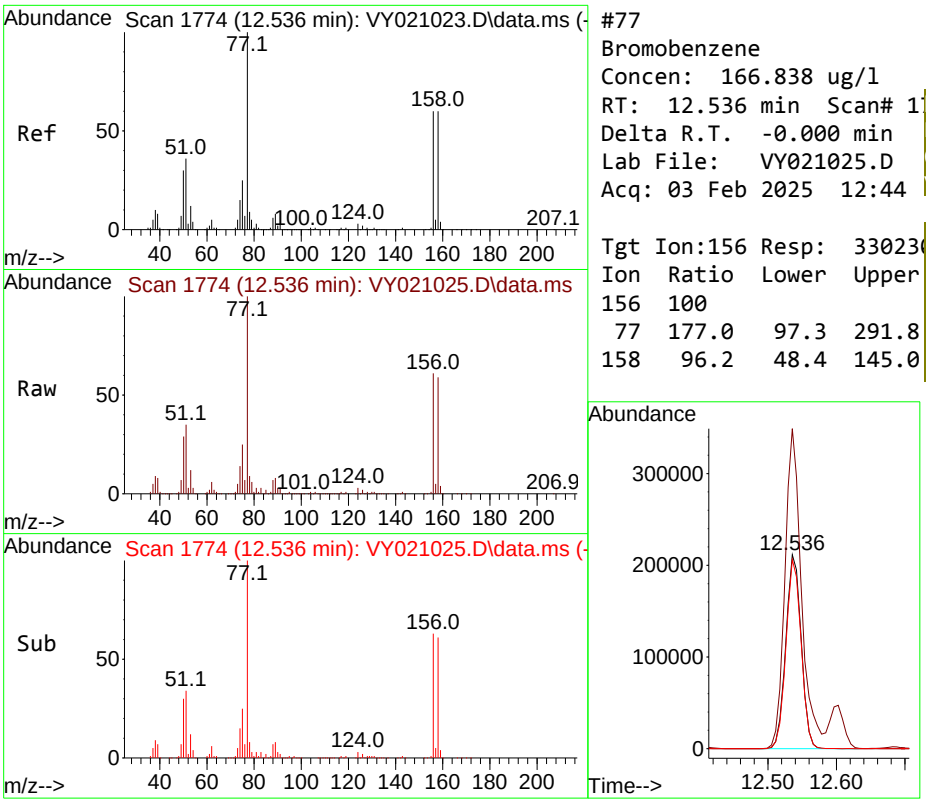



#76
1,2,3-Trichloropropane
Concen: 149.965 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 166289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |




#77
Bromobenzene
Concen: 166.838 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:156 Resp: 33023

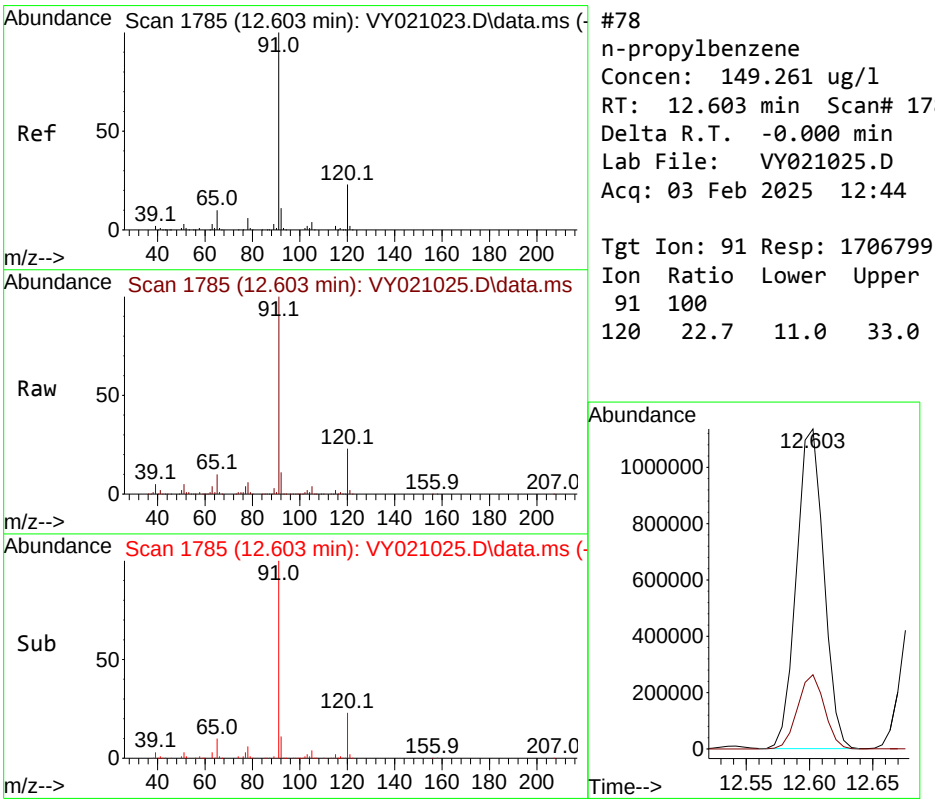
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 177.0 | 97.3 | 291.8 |
| 158 | 96.2 | 48.4 | 145.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

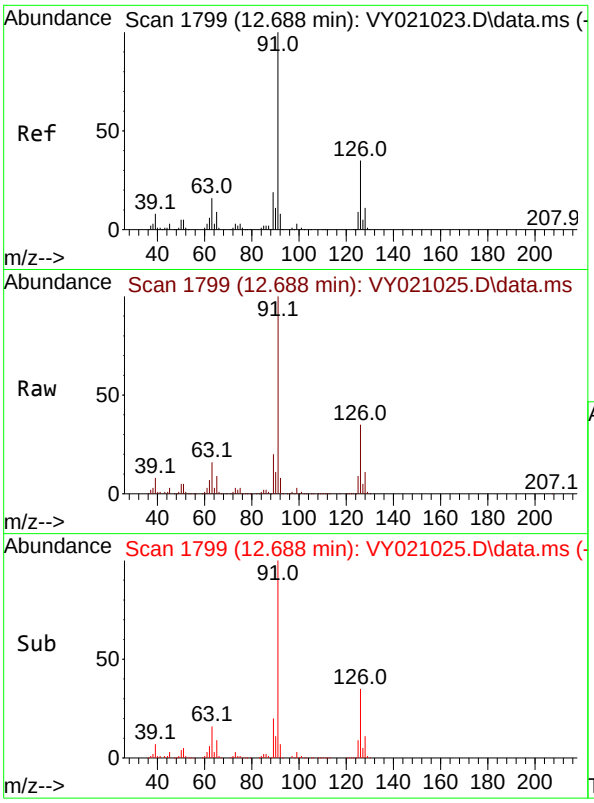
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025




#78
n-propylbenzene
Concen: 149.261 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 1706799

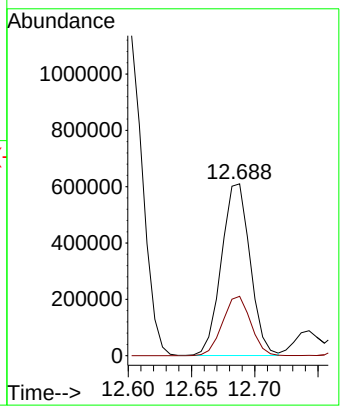
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.0 | 33.0 |




#79
2-Chlorotoluene
Concen: 153.047 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 96167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 17.0 | 51.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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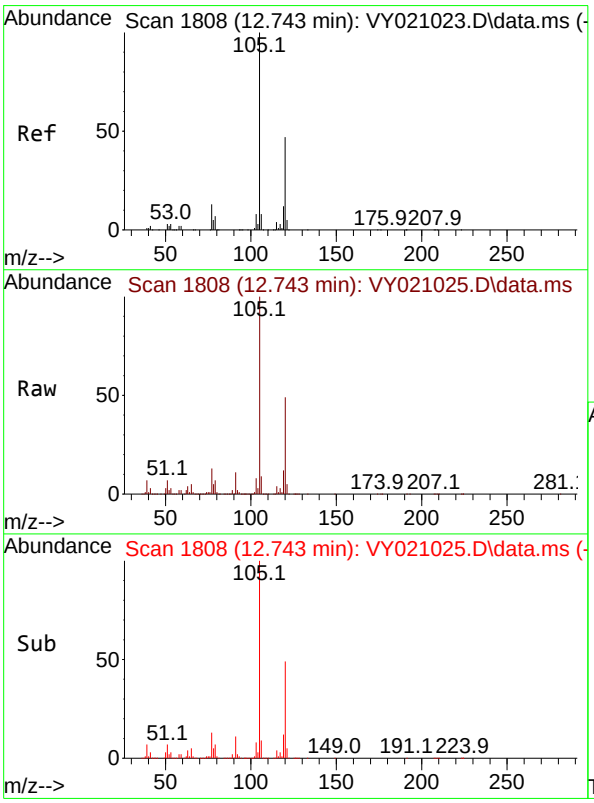
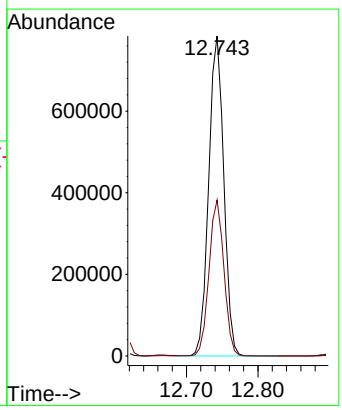
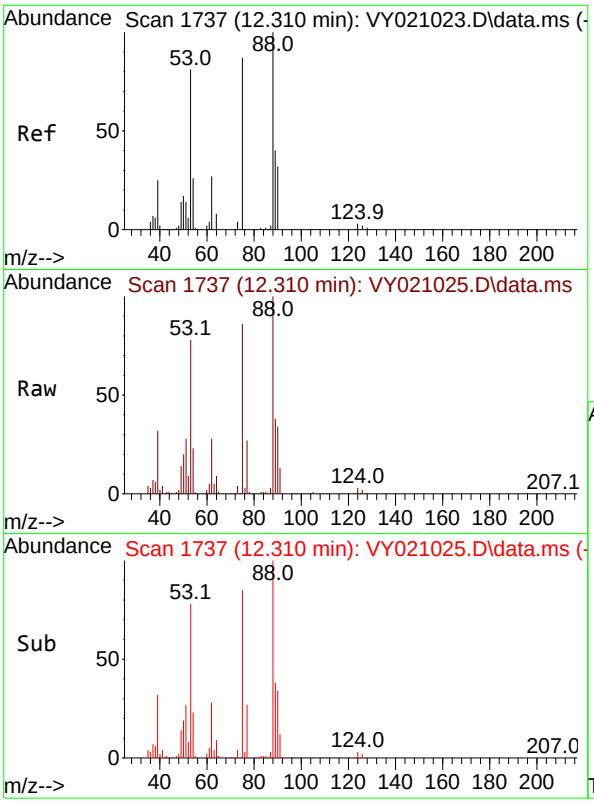



#80
1,3,5-Trimethylbenzene
Concen: 156.334 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 1146647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 24.3 | 72.8 |

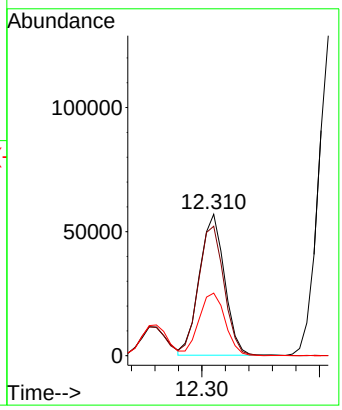





#81
trans-1,4-Dichloro-2-butene
Concen: 165.703 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 8450

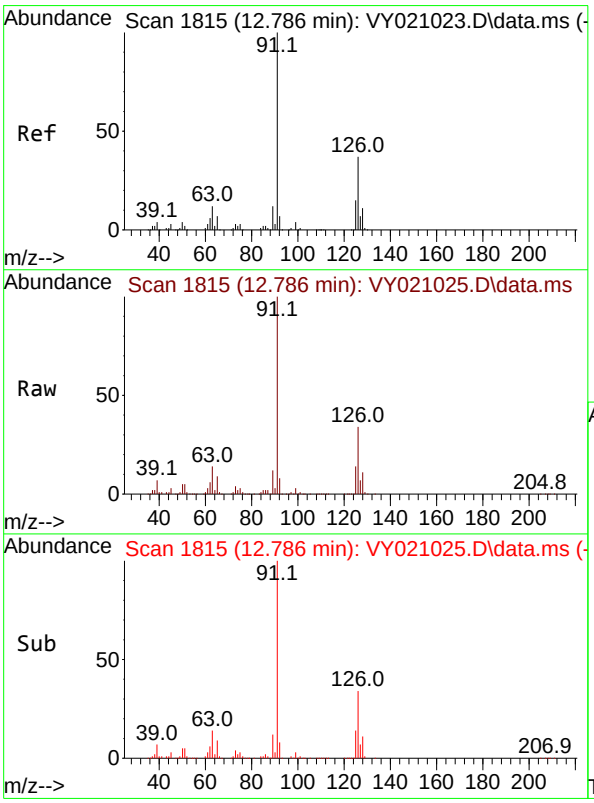
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 94.3 | 74.0 | 111.0 |
| 89 | 46.7 | 36.5 | 54.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

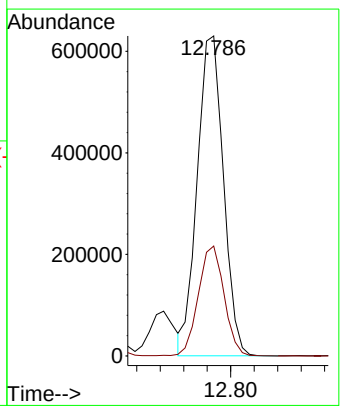
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

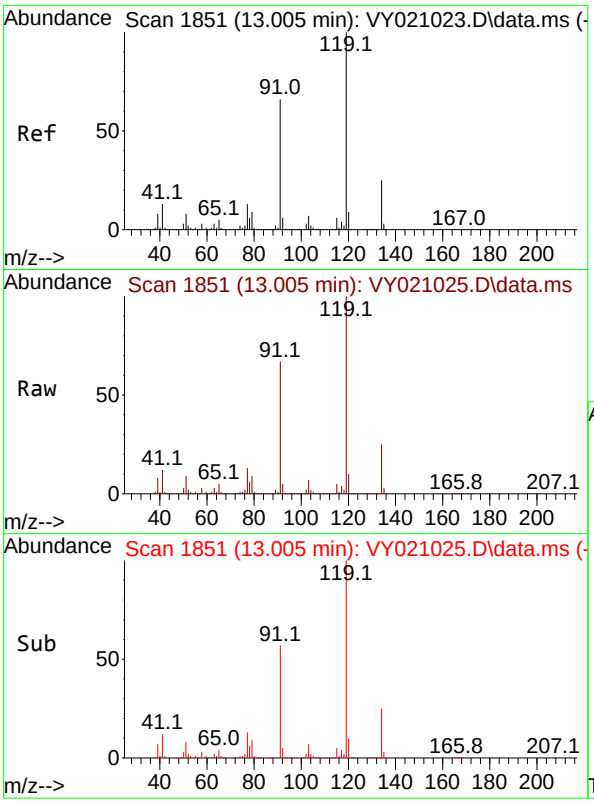



#82
4-Chlorotoluene
Concen: 151.120 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 973177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 17.1 | 51.2 |

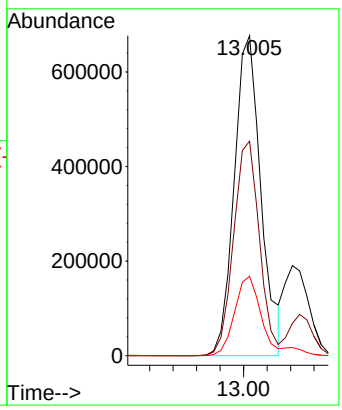





#83
tert-Butylbenzene
Concen: 164.670 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:119 Resp: 106714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.0 | 31.5 | 94.5 |
| 134 | 26.0 | 13.1 | 39.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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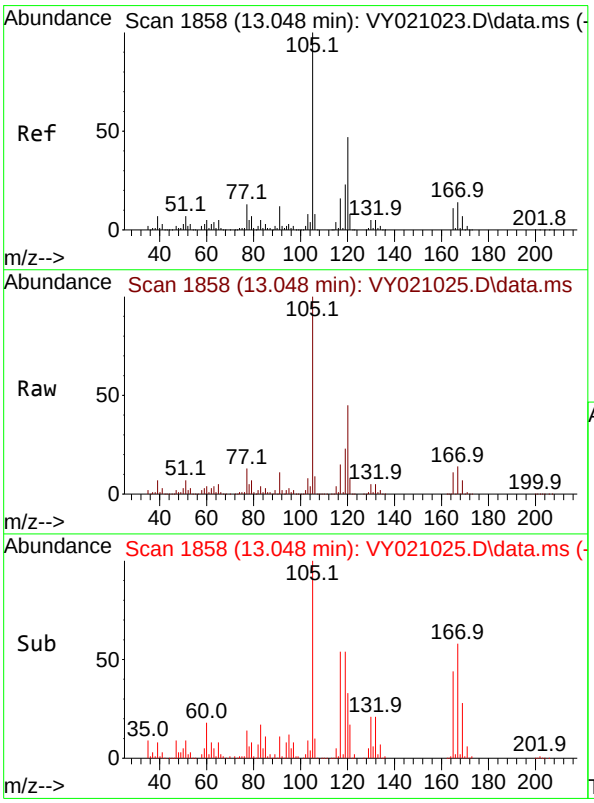
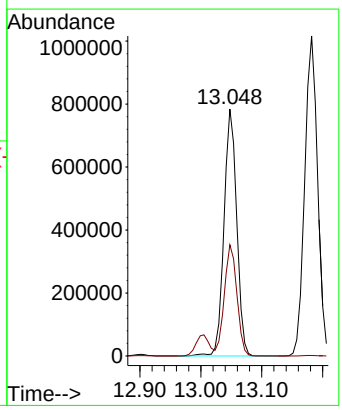
Supervised By :Semsettin Yesilyurt 02/04/2025

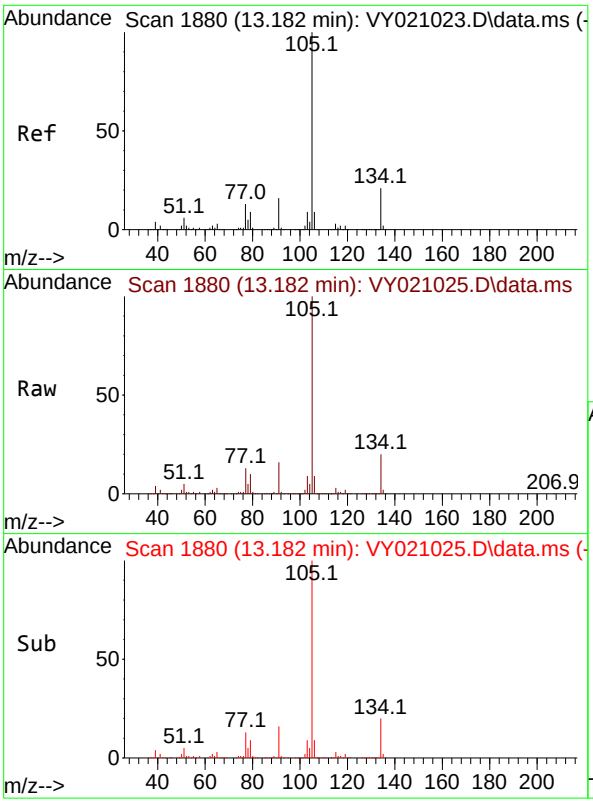



#84
1,2,4-Trimethylbenzene
Concen: 157.248 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 1138490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 22.1 | 66.3 |

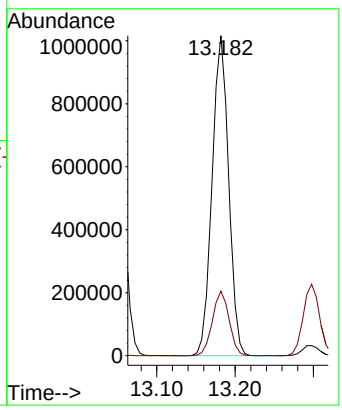





#85
sec-Butylbenzene
Concen: 152.184 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 149023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 9.7 | 28.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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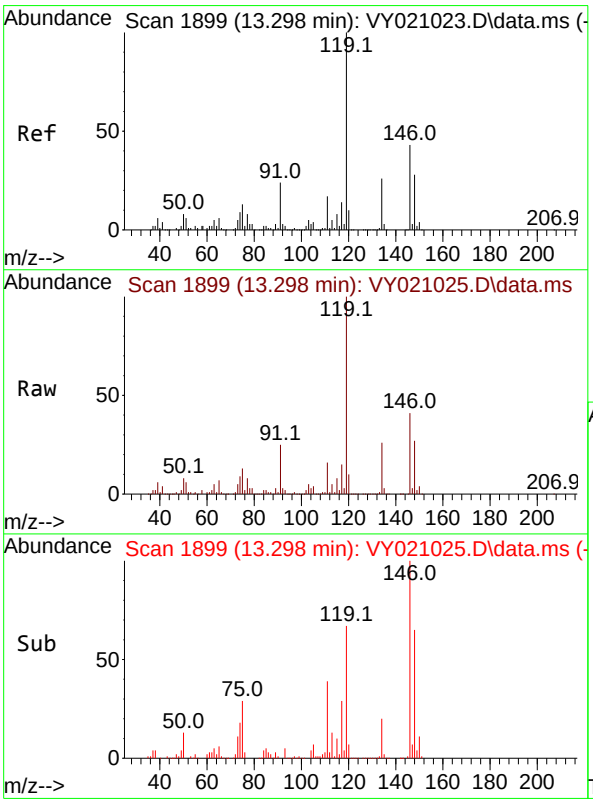
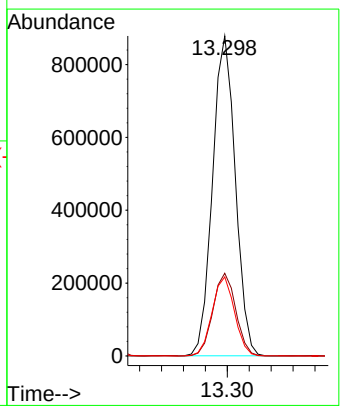
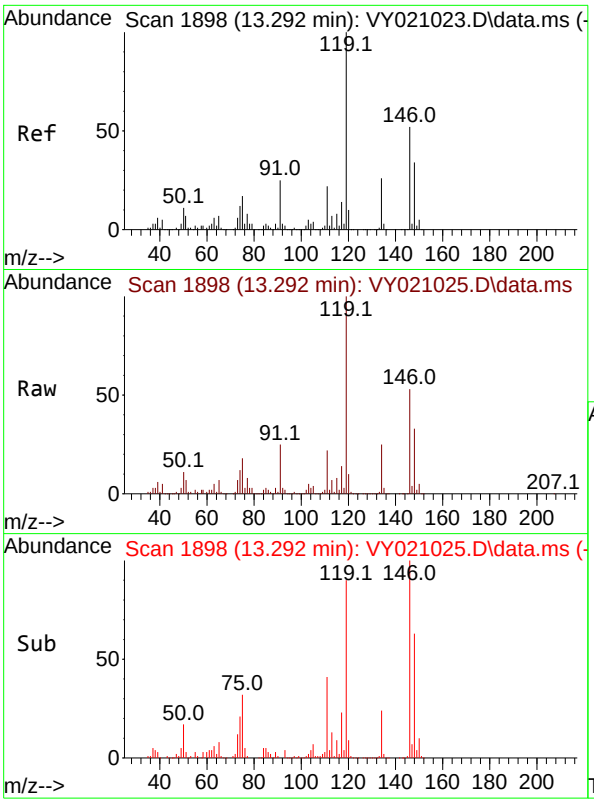



#86
p-Isopropyltoluene
Concen: 159.829 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:119 Resp: 1267584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.1 | 39.1 |
| 91 | 24.4 | 11.7 | 35.0 |

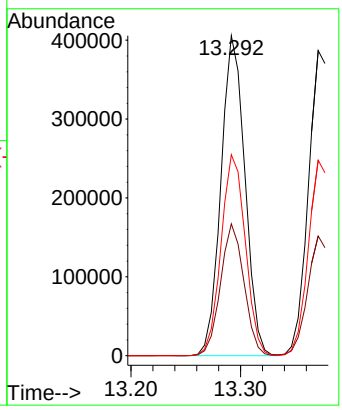





#87
1,3-Dichlorobenzene
Concen: 153.896 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 61594

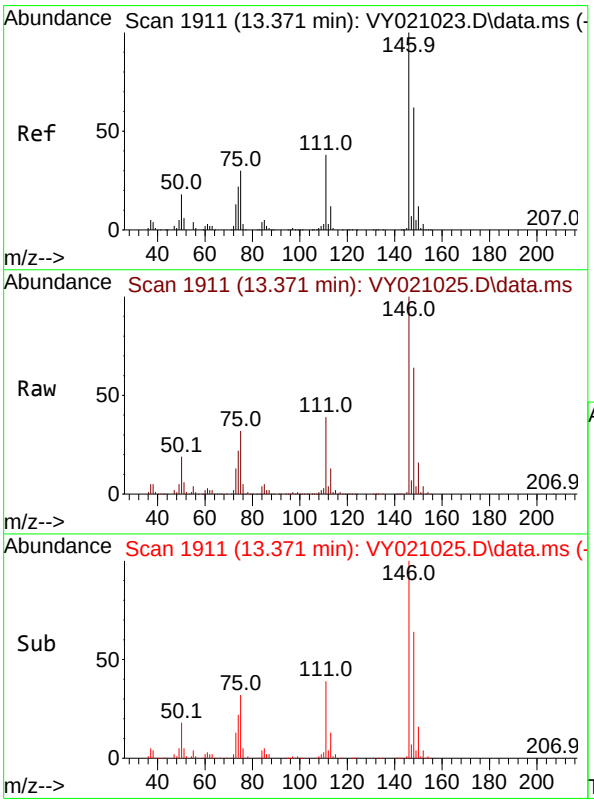
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 20.2 | 60.5 |
| 148 | 63.7 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

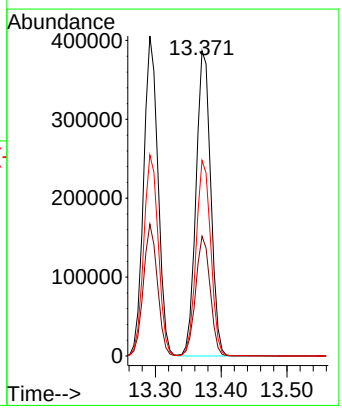
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

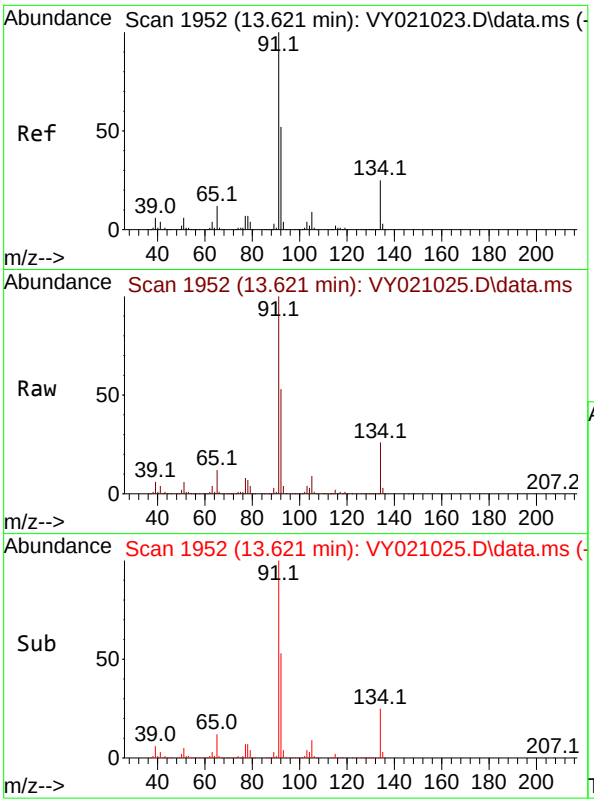



#88
1,4-Dichlorobenzene
Concen: 153.567 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 600370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 19.3 | 57.9 |
| 148 | 63.8 | 31.6 | 94.7 |

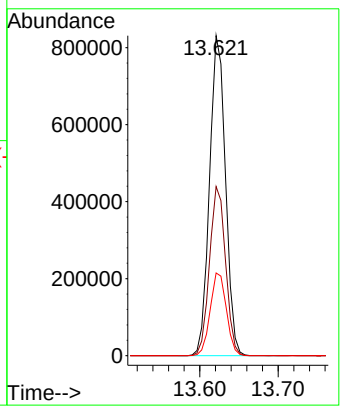





#89
n-Butylbenzene
Concen: 153.276 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 117276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.2 | 26.4 | 79.2 |
| 134 | 26.3 | 12.3 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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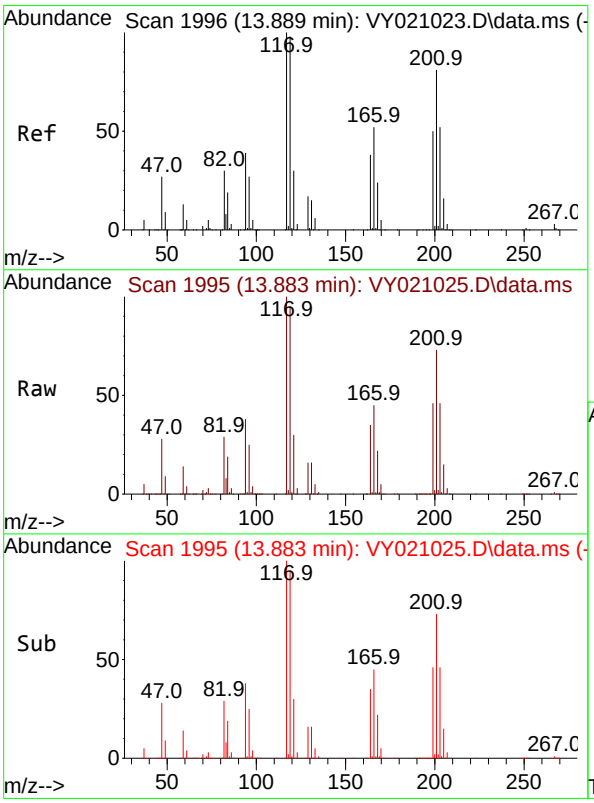
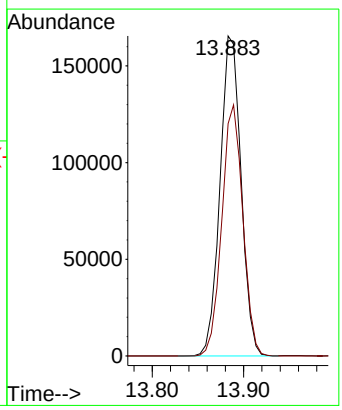
Supervised By :Semsettin Yesilyurt 02/04/2025

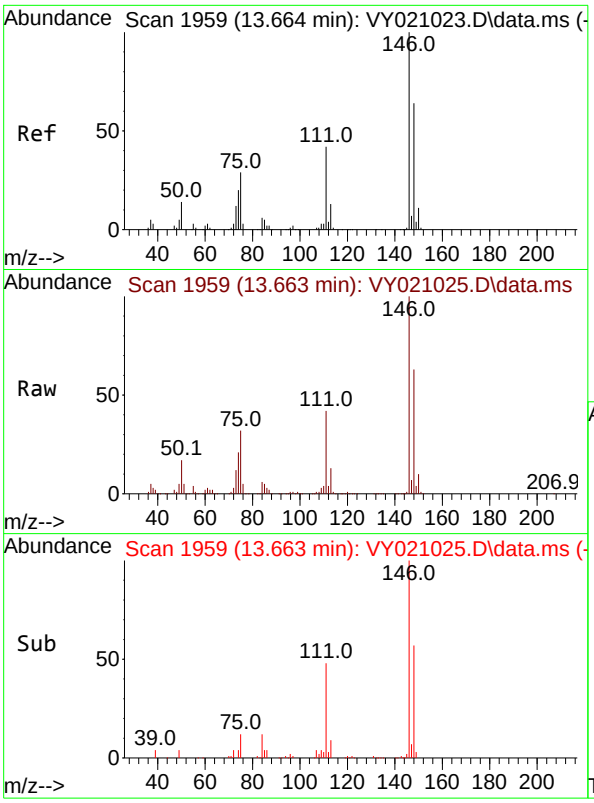



#90
Hexachloroethane
Concen: 160.566 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 264877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.2 | 33.4 | 100.1 |

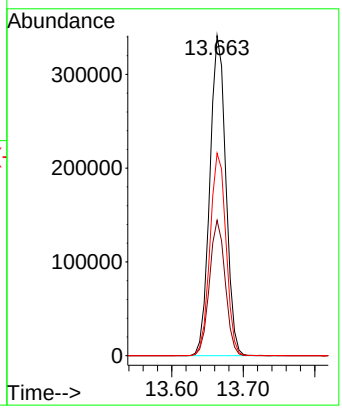





#91
1,2-Dichlorobenzene
Concen: 159.648 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 52914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.5 | 61.6 |
| 148 | 63.4 | 31.4 | 94.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

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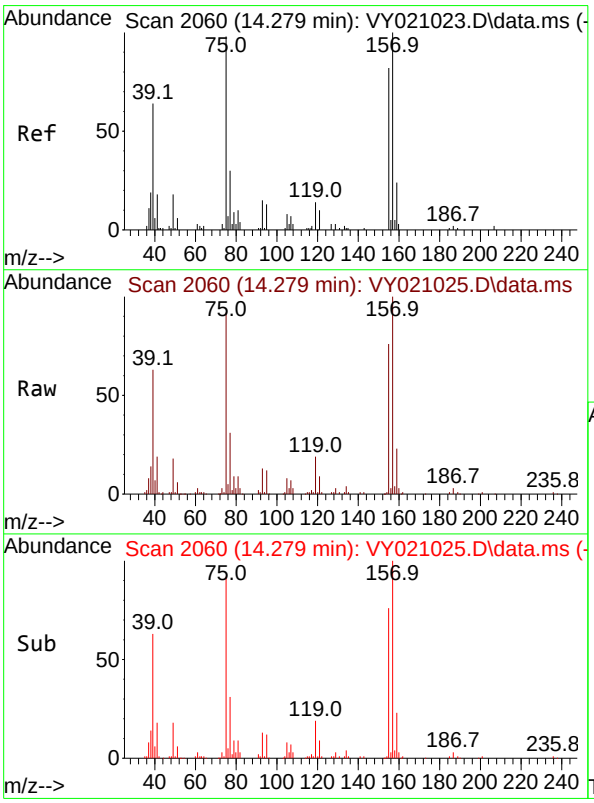
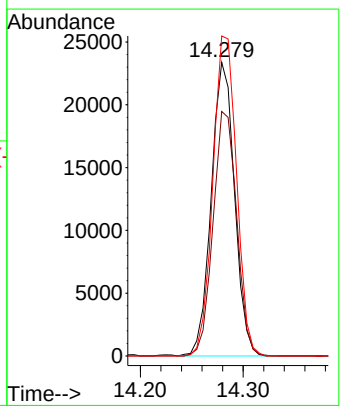
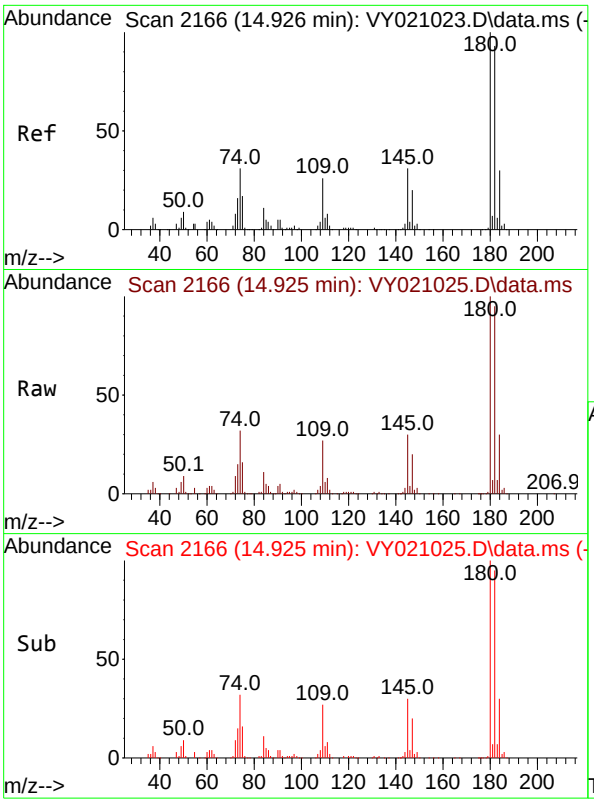



#92
1,2-Dibromo-3-Chloropropane
Concen: 173.904 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 36737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.1 | 42.1 | 126.3 |
| 157 | 110.5 | 55.8 | 167.4 |

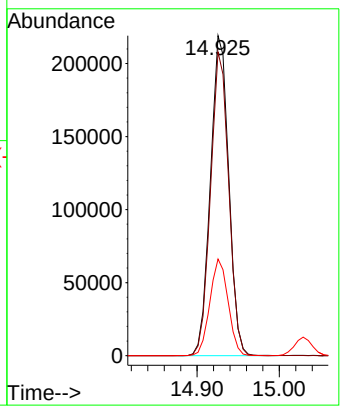





#93
1,2,4-Trichlorobenzene
Concen: 199.568 ug/l
RT: 14.925 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:180 Resp: 33895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 47.9 | 143.7 |
| 145 | 30.1 | 15.9 | 47.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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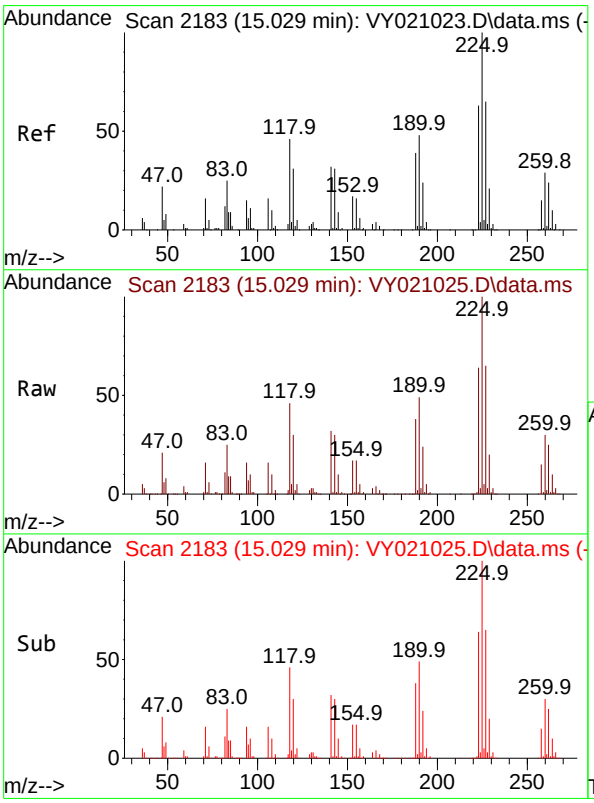
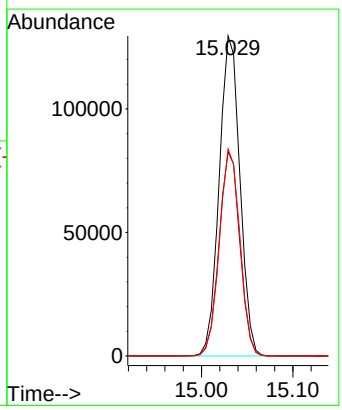
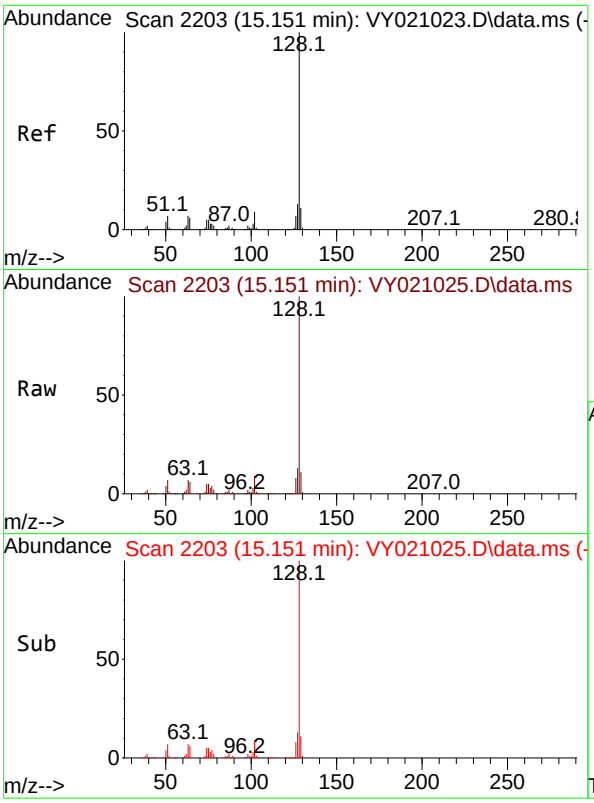



#94
Hexachlorobutadiene
Concen: 192.252 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:225 Resp: 204211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 31.4 | 94.3 |
| 227 | 64.1 | 32.3 | 96.8 |

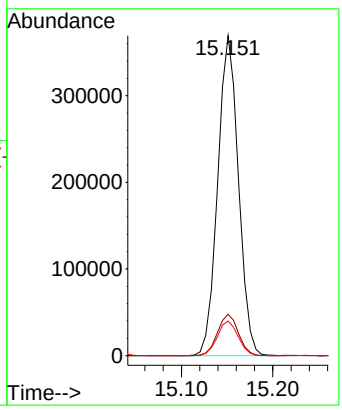





#95
Naphthalene
Concen: 199.946 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:128 Resp: 58199

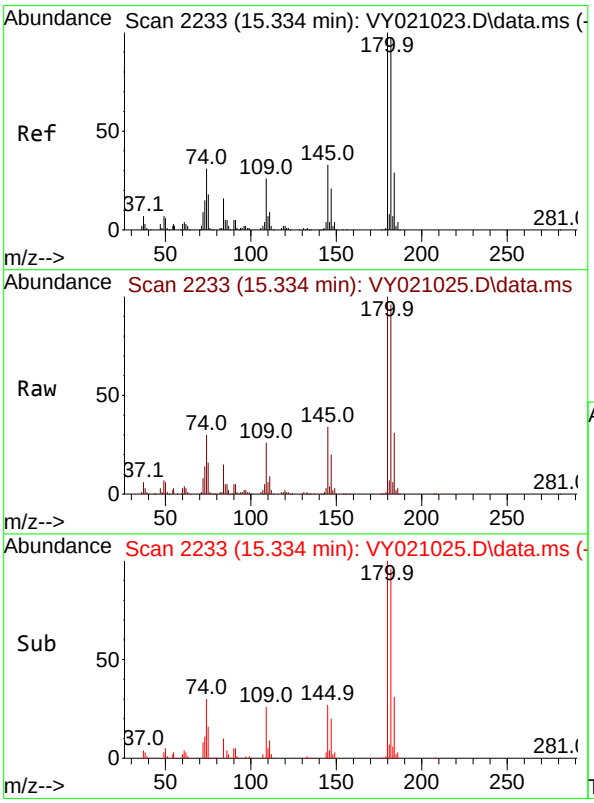
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 12.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

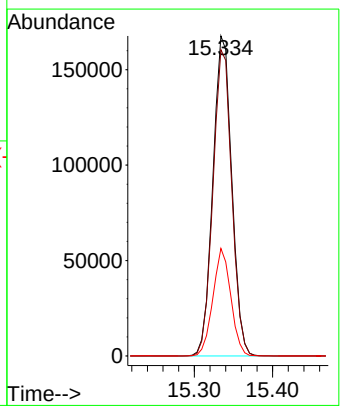
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025




#96
1,2,3-Trichlorobenzene
Concen: 197.311 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:180 Resp: 280907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.3 | 138.8 |
| 145 | 31.9 | 16.1 | 48.2 |



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations APPROVED**
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 186133 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 280950 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 237569 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 112062 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 104134 | 54.604 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 109.200% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 104051 | 57.790 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 115.580% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 411045 | 59.966 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 119.940% | | | |
| 62) 4-Bromofluorobenzene | 12.407 | 95 | 131943 | 58.919 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 117.840% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 86748 | 52.290 | ug/l | 98 |
| 3) Chloromethane | 2.074 | 50 | 85135 | 52.006 | ug/l | 100 |
| 4) Vinyl Chloride | 2.208 | 62 | 84130 | 51.058 | ug/l | 99 |
| 5) Bromomethane | 2.598 | 94 | 53592 | 52.624 | ug/l | 94 |
| 6) Chloroethane | 2.738 | 64 | 48969 | 49.925 | ug/l | 96 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 155690 | 51.864 | ug/l | 99 |
| 8) Diethyl Ether | 3.458 | 74 | 43771 | 46.708 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 97040 | 51.507 | ug/l | 95 |
| 10) Methyl Iodide | 4.013 | 142 | 102264 | 48.858 | ug/l | 95 |
| 11) Tert butyl alcohol | 4.860 | 59 | 27677 | 214.161 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 91949 | 51.810 | ug/l | 92 |
| 13) Acrolein | 3.653 | 56 | 46827 | 235.305 | ug/l | 100 |
| 14) Allyl chloride | 4.391 | 41 | 151536 | 50.663 | ug/l | 96 |
| 15) Acrylonitrile | 5.061 | 53 | 89881 | 230.328 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 72566 | 243.997 | ug/l | 96 |
| 17) Carbon Disulfide | 4.110 | 76 | 289409 | 52.004 | ug/l | 99 |
| 18) Methyl Acetate | 4.391 | 43 | 48057 | 46.031 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.122 | 73 | 213244 | 47.538 | ug/l | 100 |
| 20) Methylene Chloride | 4.628 | 84 | 91358 | 49.414 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 98665 | 50.506 | ug/l | 94 |
| 22) Diisopropyl ether | 6.024 | 45 | 304603 | 49.407 | ug/l | 98 |
| 23) Vinyl Acetate | 5.964 | 43 | 819243 | 238.370 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.921 | 63 | 179904 | 49.806 | ug/l | 97 |
| 25) 2-Butanone | 6.896 | 43 | 114117 | 233.503 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 169757 | 50.791 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.896 | 96 | 111947 | 49.785 | ug/l | 94 |
| 28) Bromochloromethane | 7.250 | 49 | 78173 | 54.731 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 75445 | 228.139 | ug/l | 96 |
| 30) Chloroform | 7.427 | 83 | 181229 | 48.846 | ug/l | 97 |
| 31) Cyclohexane | 7.707 | 56 | 162806 | 50.051 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 174612 | 50.620 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 140344 | 52.625 | ug/l | 99 |
| 37) Ethyl Acetate | 6.988 | 43 | 54994 | 47.006 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 161137 | 51.711 | ug/l | 100 |
| 39) Methylcyclohexane | 9.115 | 83 | 176554 | 54.123 | ug/l | 97 |
| 40) Benzene | 8.085 | 78 | 399547 | 51.052 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.232 | 41 | 29193 | 43.131 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 104015 | 47.910 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.201 | 43 | 110476 | 47.523 | ug/l | | 98 |
| 44) Trichloroethene | 8.872 | 130 | 102671 | 50.777 | ug/l | | 95 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 92259 | 49.666 | ug/l | | 99 |
| 46) Dibromomethane | 9.237 | 93 | 48251 | 46.914 | ug/l | | 95 |
| 47) Bromodichloromethane | 9.426 | 83 | 134607 | 48.799 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.225 | 41 | 52480 | 49.560 | ug/l | | 93 |
| 49) 1,4-Dioxane | 9.231 | 88 | 9588 | 1001.398 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 276605 | 236.615 | ug/l | | 97 |
| 52) Toluene | 10.176 | 92 | 251287 | 51.135 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 123718 | 49.950 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 148244 | 50.550 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 62357 | 46.820 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.444 | 69 | 87450 | 49.082 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 110606 | 47.980 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 213481 | 251.852 | ug/l | | 99 |
| 59) 2-Hexanone | 10.761 | 43 | 180455 | 239.750 | ug/l | | 96 |
| 60) Dibromochloromethane | 10.914 | 129 | 90009 | 48.123 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.017 | 107 | 59039 | 47.325 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.652 | 164 | 92493 | 52.446 | ug/l | | 95 |
| 65) Chlorobenzene | 11.444 | 112 | 268544 | 50.766 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.523 | 131 | 94662 | 50.356 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.523 | 91 | 492537 | 52.642 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.633 | 106 | 367445 | 104.978 | ug/l | | 98 |
| 69) o-Xylene | 11.956 | 106 | 169897 | 52.062 | ug/l | | 96 |
| 70) Styrene | 11.975 | 104 | 282879 | 52.009 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 50400 | 48.166 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 467245 | 53.377 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 94701 | 49.483 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 68636 | 47.145 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 47988m | 47.207 | ug/l | | |
| 77) Bromobenzene | 12.536 | 156 | 101991 | 50.490 | ug/l | | 93 |
| 78) n-propylbenzene | 12.596 | 91 | 558013 | 53.513 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 310097 | 51.922 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 375018 | 52.840 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 24332 | 48.841 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 313949 | 51.594 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.005 | 119 | 348046 | 53.952 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 370353 | 53.370 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.182 | 105 | 494957 | 53.301 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 411332 | 53.325 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 198405 | 50.868 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 193207 | 50.309 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 384473 | 54.636 | ug/l | | 99 |
| 90) Hexachloroethane | 13.883 | 117 | 82908 | 51.521 | ug/l | | 84 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 168238 | 49.696 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 10000 | 45.965 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 98409 | 52.224 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 65883 | 52.760 | ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 154493 | 51.245 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 79793 | 50.882 | ug/l | | 97 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

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

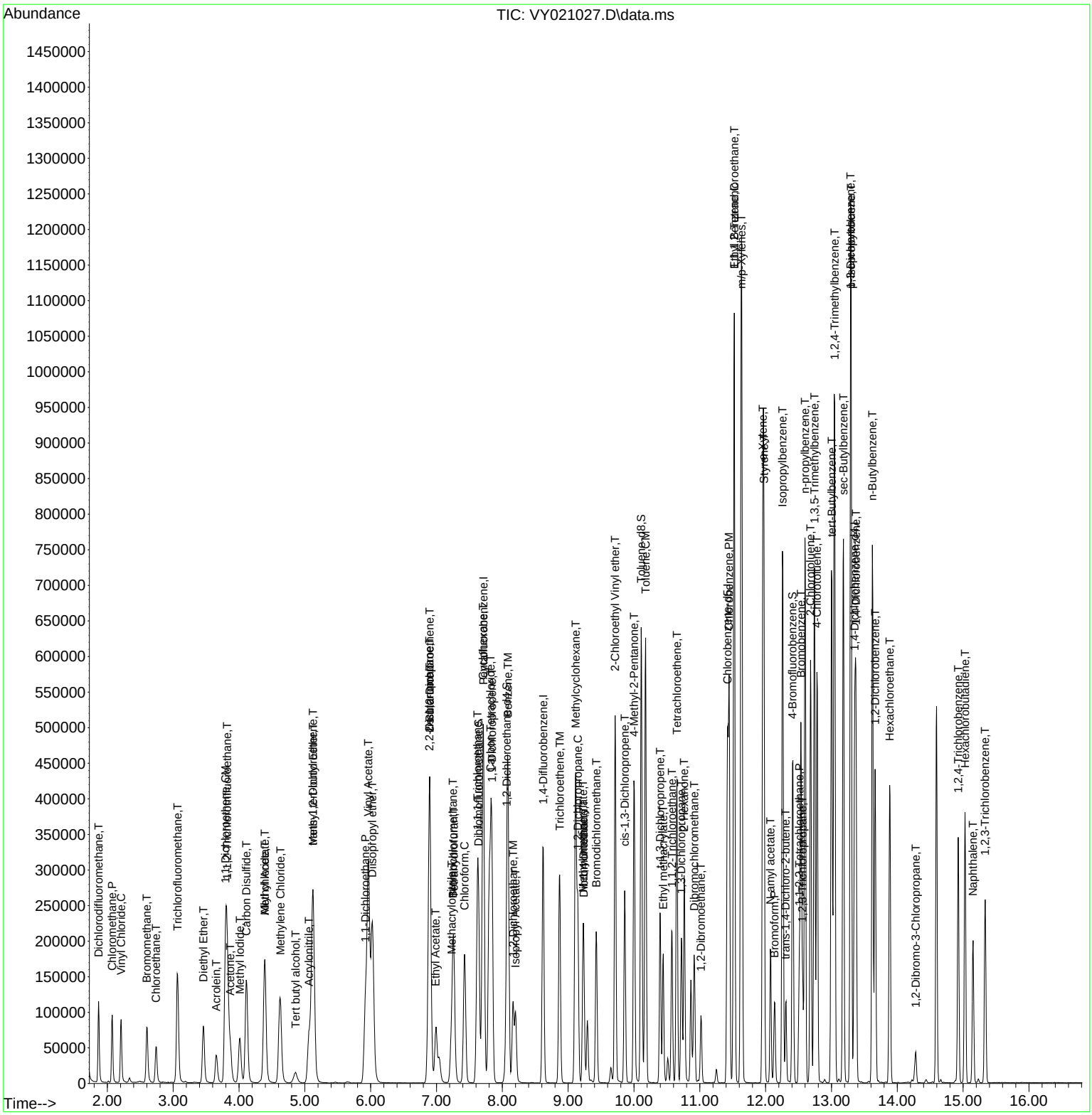
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

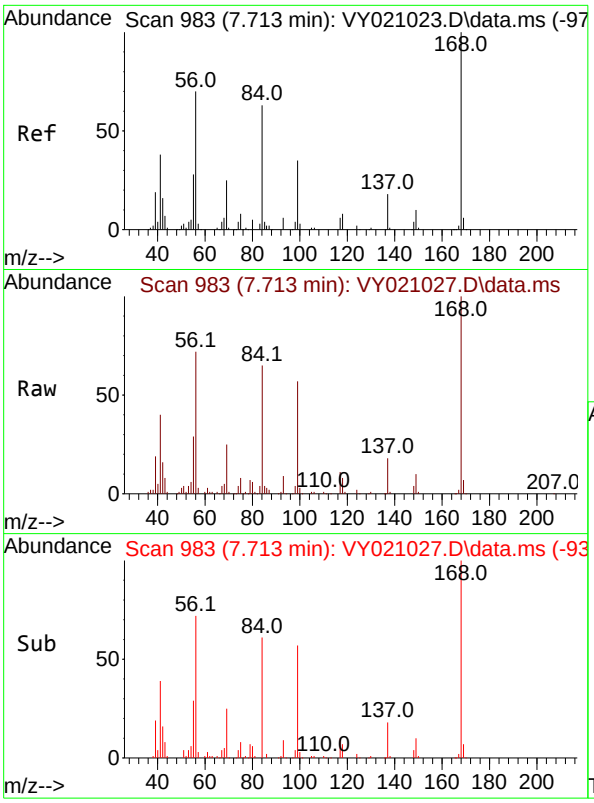
Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

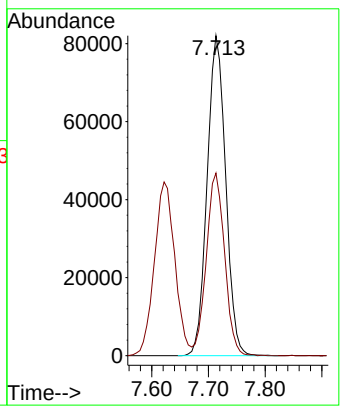
Tgt Ion:168 Resp: 18613

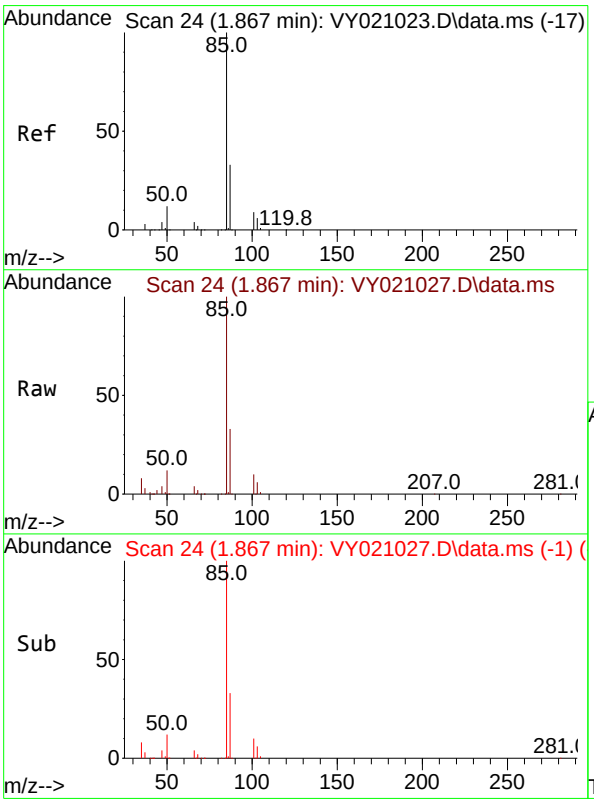
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.0 | 44.2 | 66.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

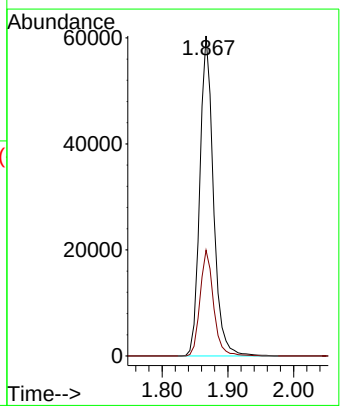


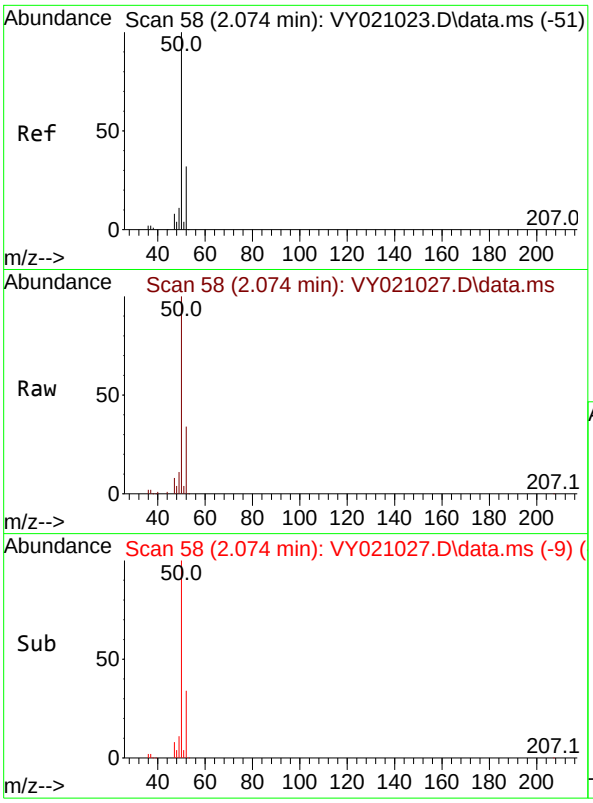




#2
Dichlorodifluoromethane
Concen: 52.290 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 85 Resp: 86748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 17.1 | 51.3 |

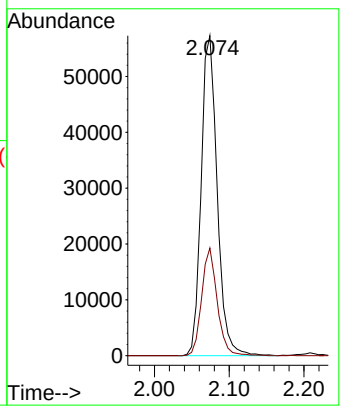





#3
Chloromethane
Concen: 52.006 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 50 Resp: 8513

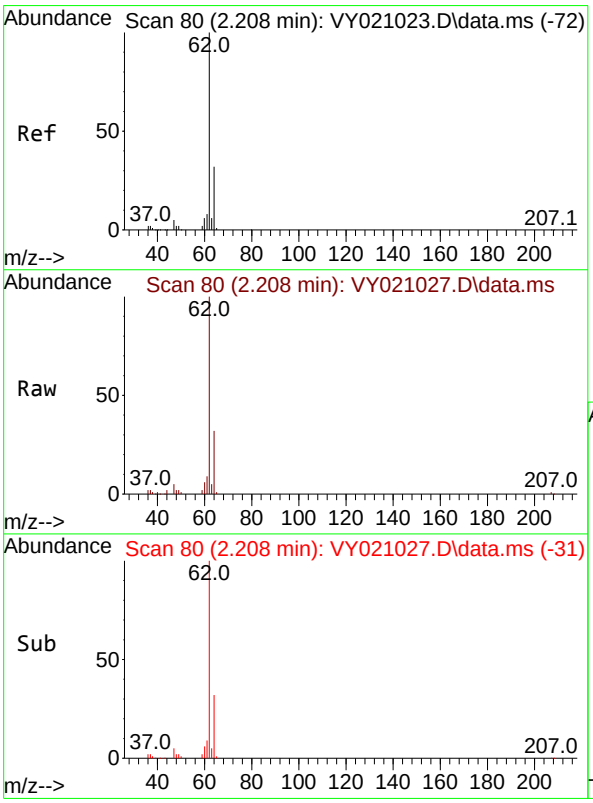
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.7 | 26.7 | 40.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
**APPROVED**

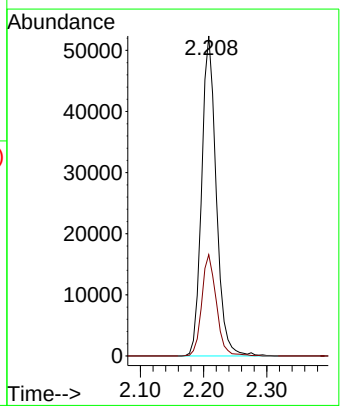
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

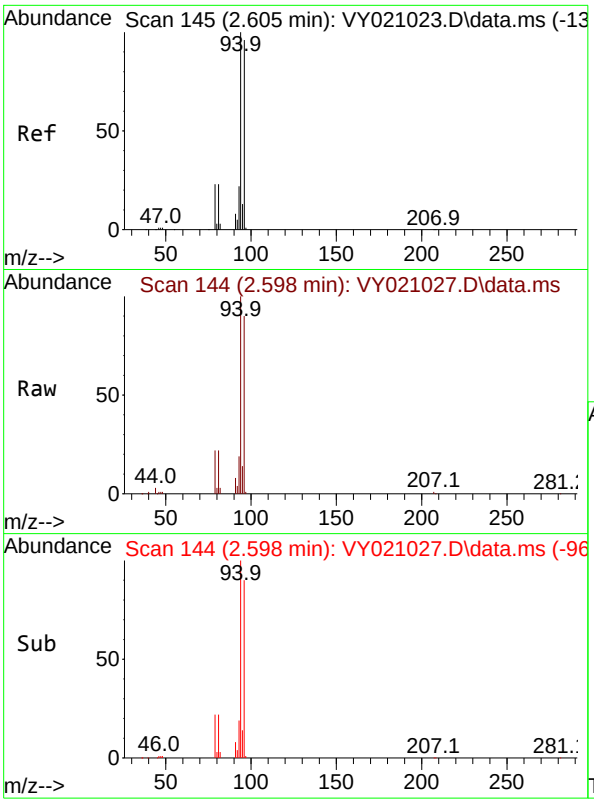



#4
Vinyl Chloride
Concen: 51.058 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 62 Resp: 84130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.6 | 25.7 | 38.5 |






#5
Bromomethane
Concen: 52.624 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

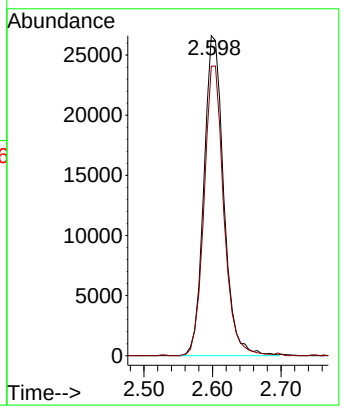
Tgt Ion: 94 Resp: 5359

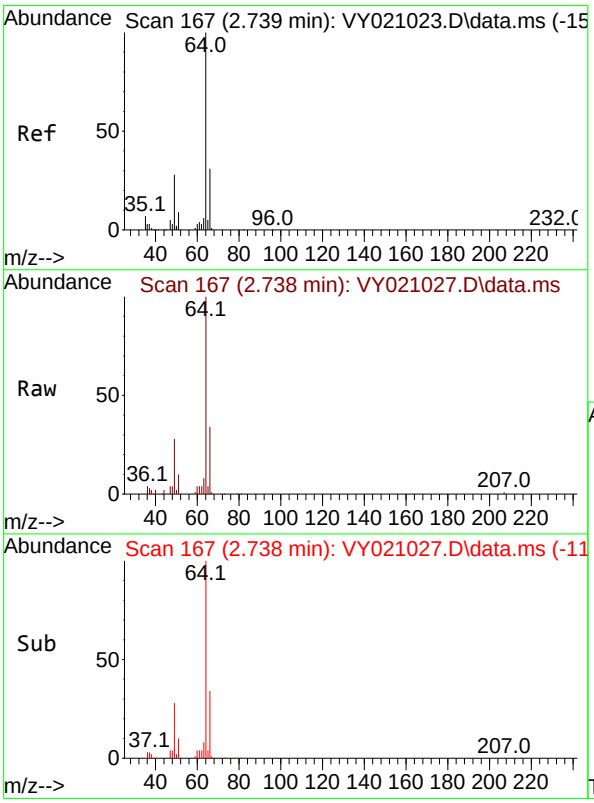
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.5 | 77.3 | 115.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

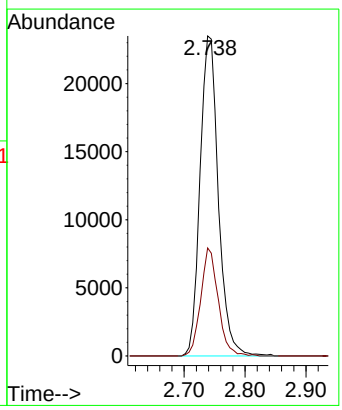


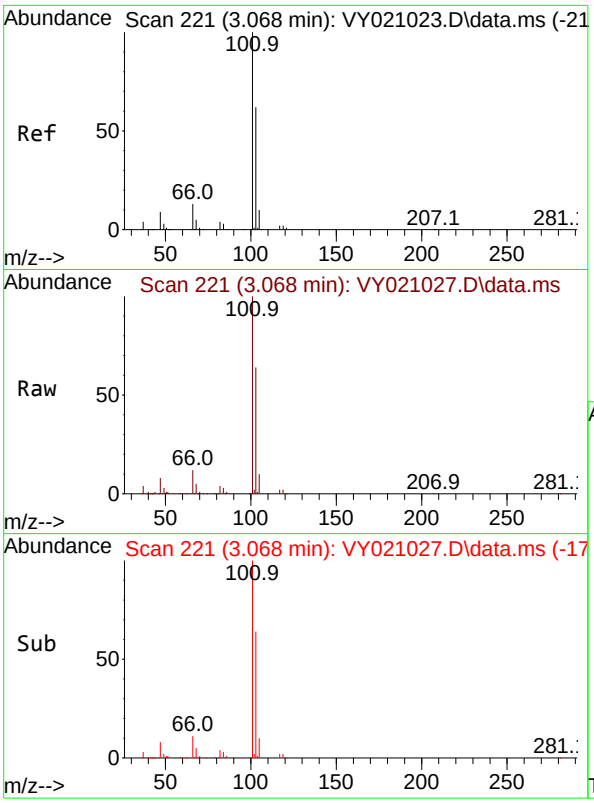




#6
Chloroethane
Concen: 49.925 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 64 Resp: 48969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.8 | 25.1 | 37.7 |

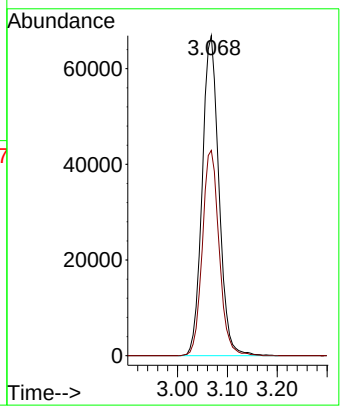





#7
Trichlorofluoromethane
Concen: 51.864 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:101 Resp: 15569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.2 | 51.9 | 77.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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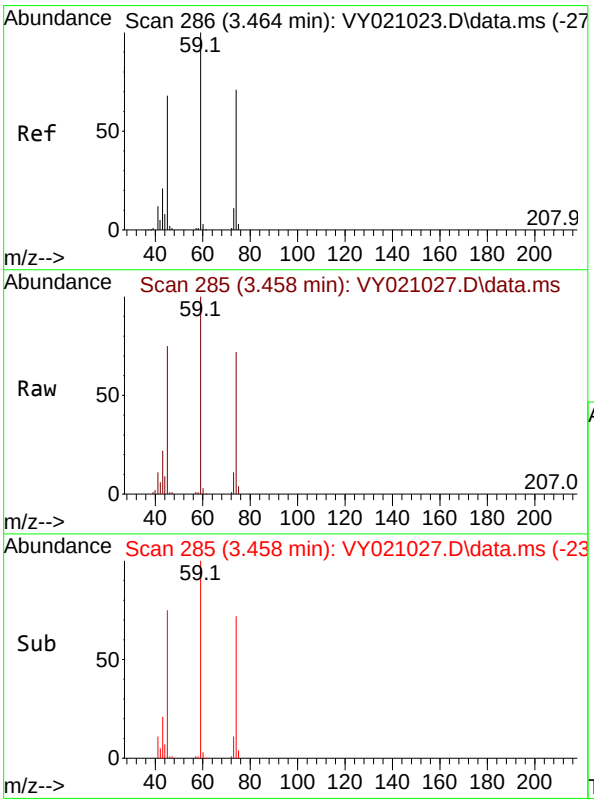
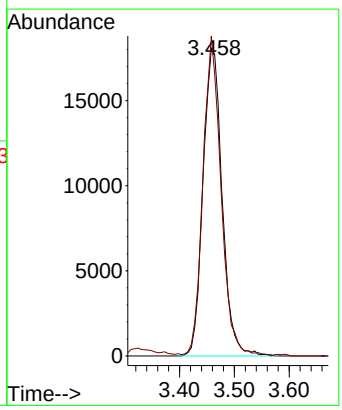
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

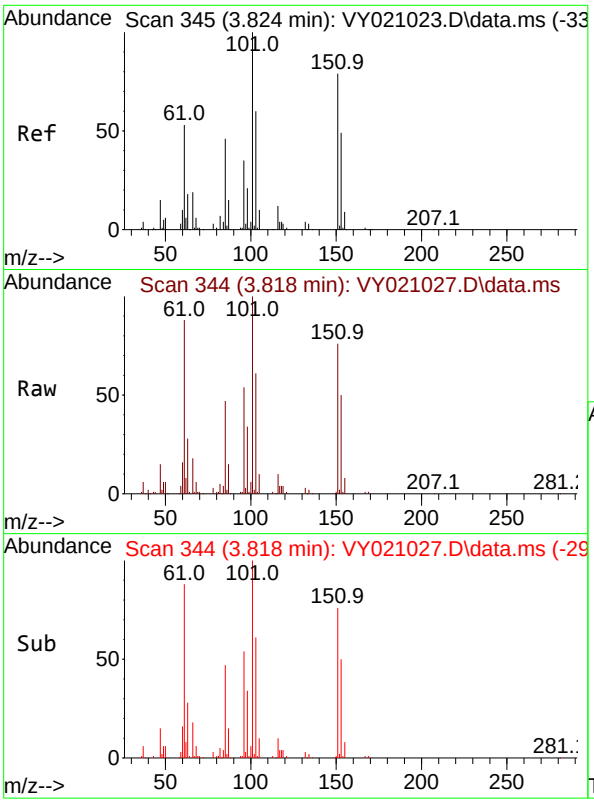



#8
Diethyl Ether
Concen: 46.708 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 74 Resp: 43771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 98.4 | 47.9 | 143.7 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.507 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:101 Resp: 9704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.5 | 35.8 | 53.6 |
| 151 | 79.3 | 58.6 | 88.0 |

**Instrument :**
MSVOA_Y
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ICVVY020325

**Manual Integrations**
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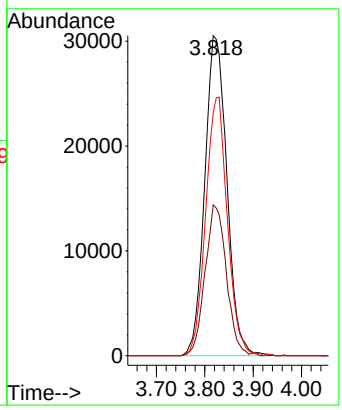
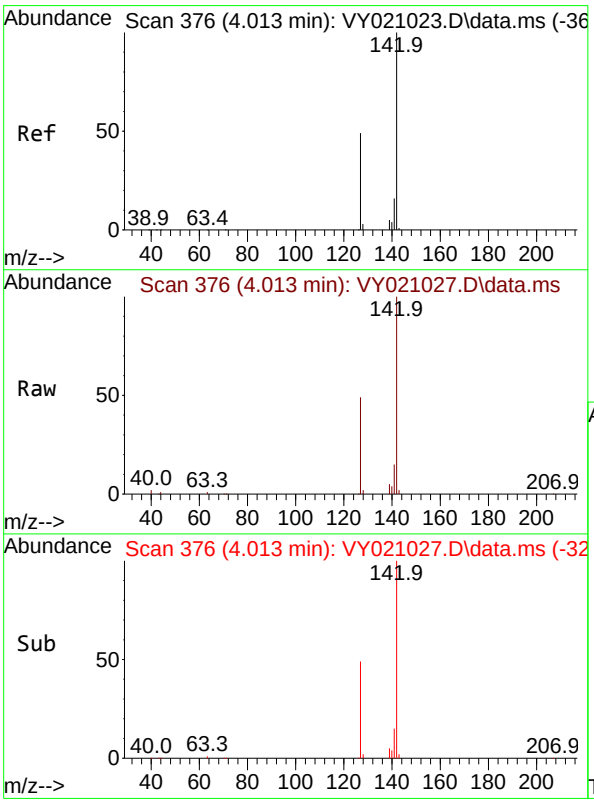
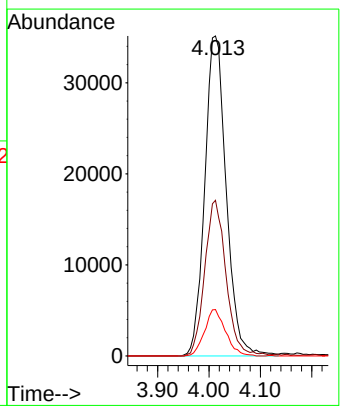


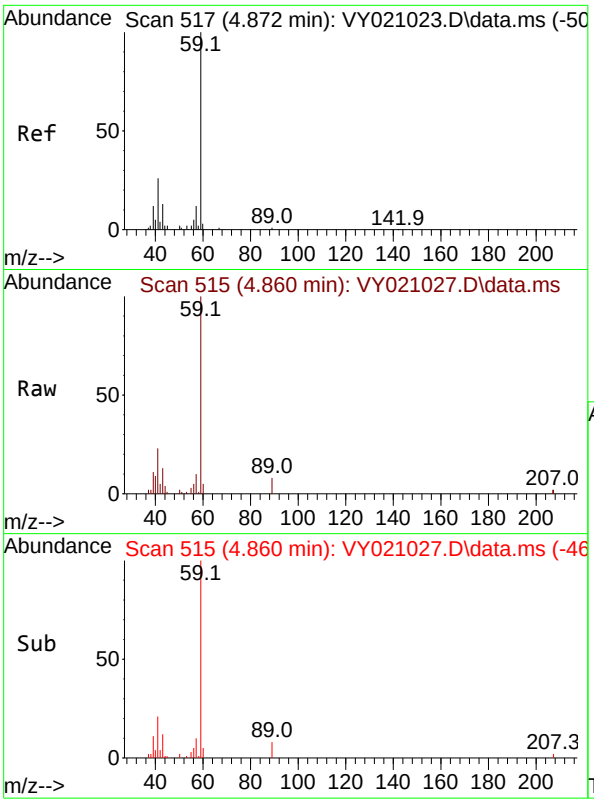




#10
Methyl Iodide
Concen: 48.858 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:142 Resp: 102264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.1 | 35.1 | 52.7 |
| 141 | 14.2 | 11.8 | 17.6 |

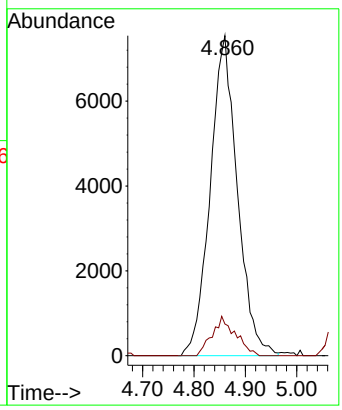





#11
Tert butyl alcohol
Concen: 214.161 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 59 Resp: 2767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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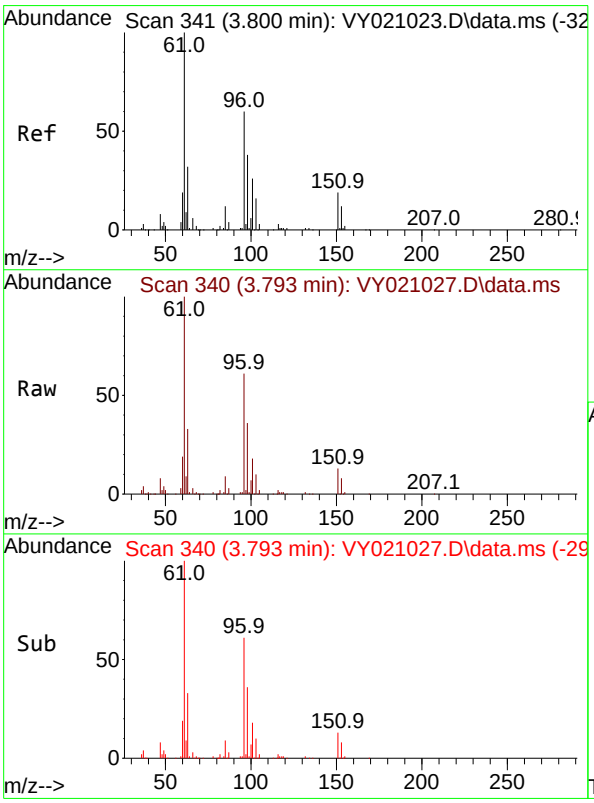
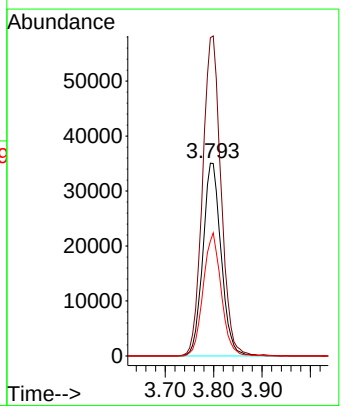
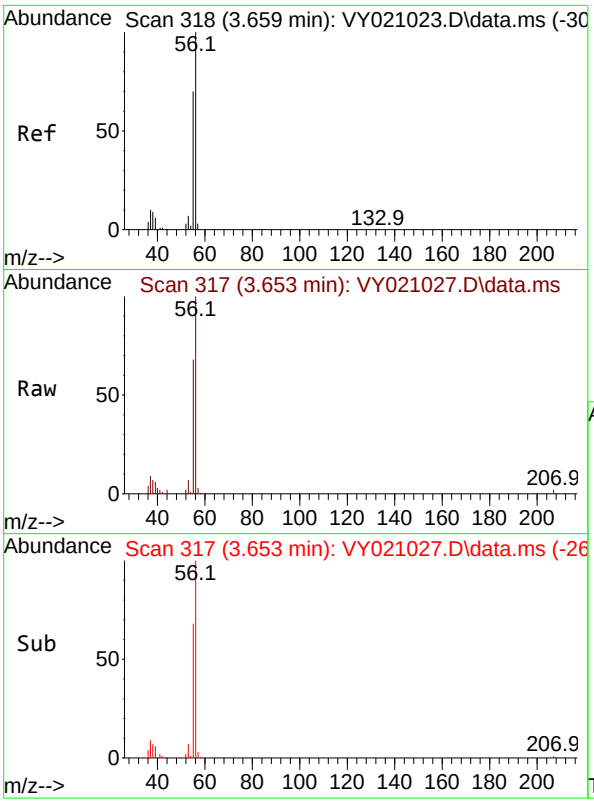



#12
1,1-Dichloroethene
Concen: 51.810 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 91949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.0 | 124.2 | 186.2 |
| 98 | 59.6 | 52.6 | 79.0 |

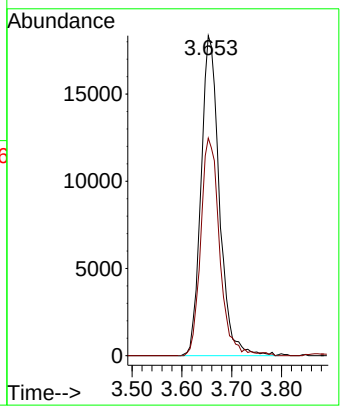





#13
Acrolein
Concen: 235.305 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 56 Resp: 4682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.5 | 55.4 | 83.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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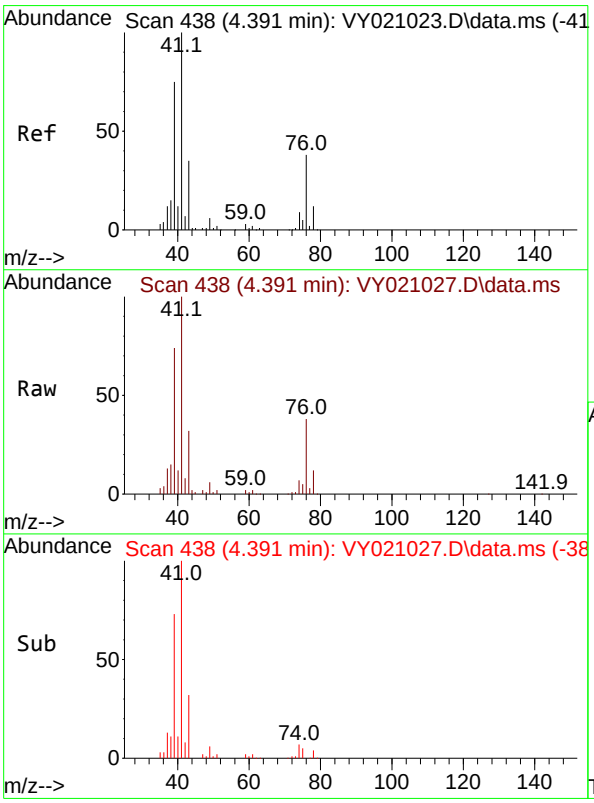
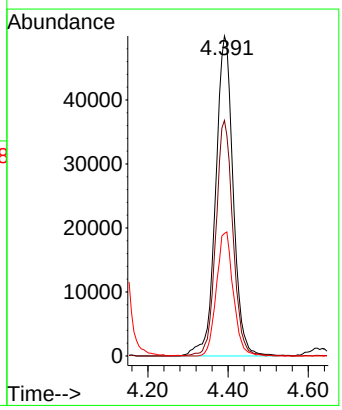
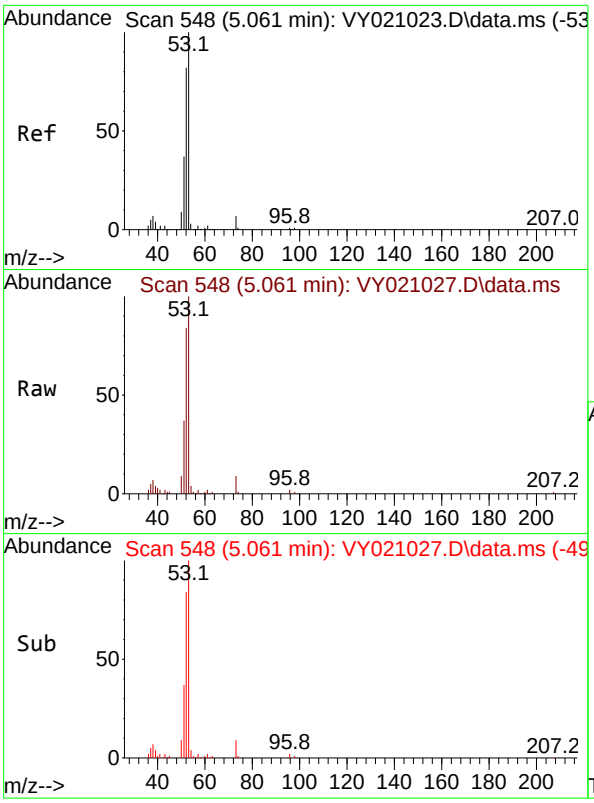



#14
Allyl chloride
Concen: 50.663 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 151536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.4 | 54.7 | 82.1 |
| 76 | 37.3 | 31.8 | 47.6 |






#15
Acrylonitrile
Concen: 230.328 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 53 Resp: 8988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.3 | 65.1 | 97.7 |
| 51 | 37.6 | 29.0 | 43.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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Reviewed By :Mahesh Dadoda 02/04/2025
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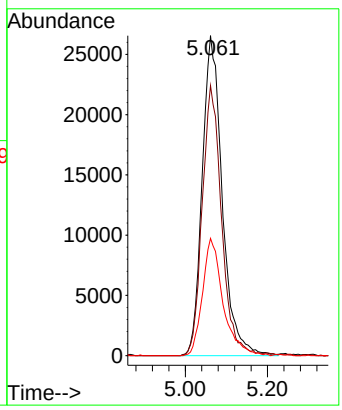
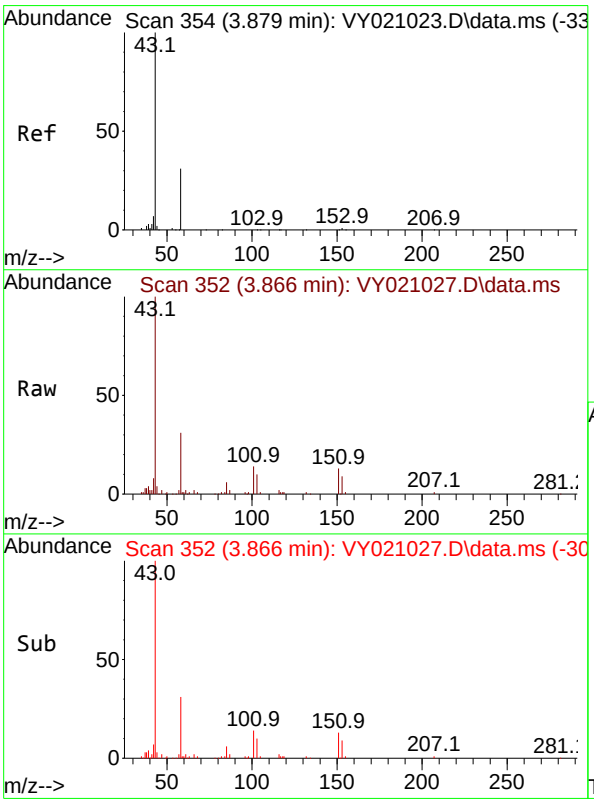
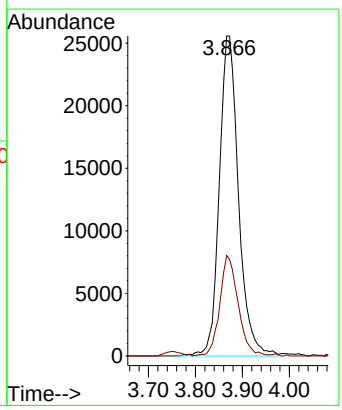


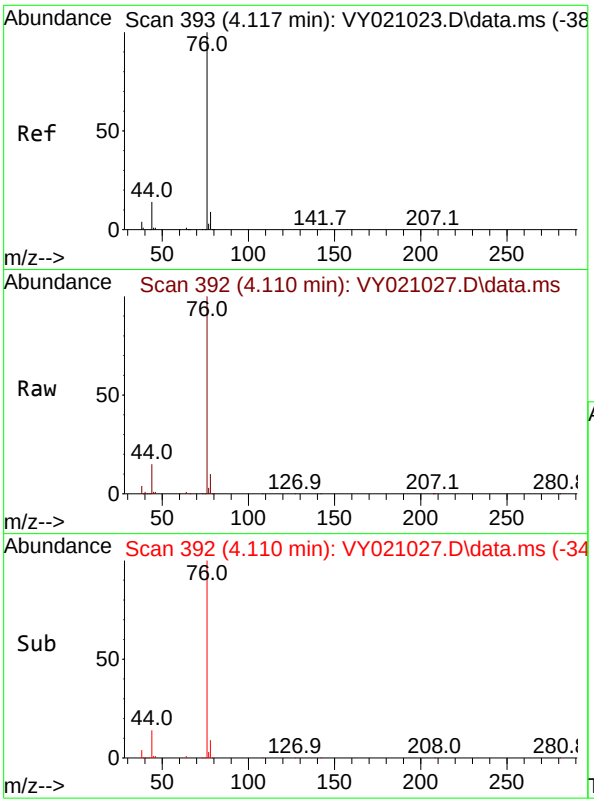




#16
Acetone
Concen: 243.997 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 72566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.0 | 26.6 | 39.8 |

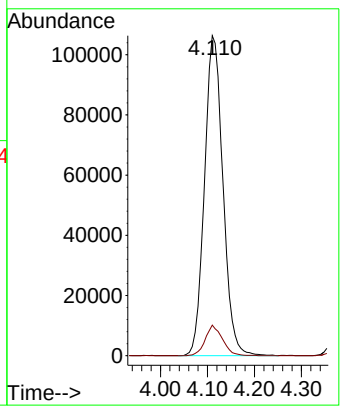





#17
Carbon Disulfide
Concen: 52.004 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 76 Resp: 28940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
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ICVVY020325

**Manual Integrations APPROVED**

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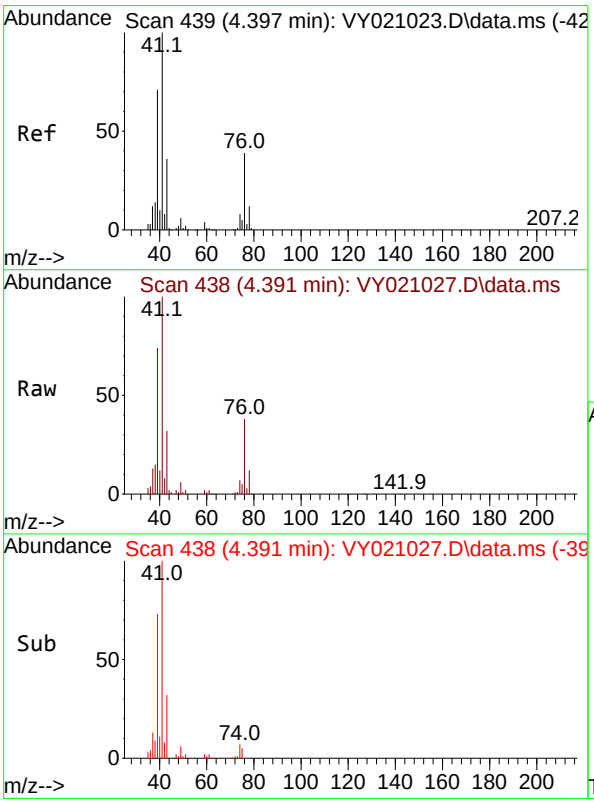
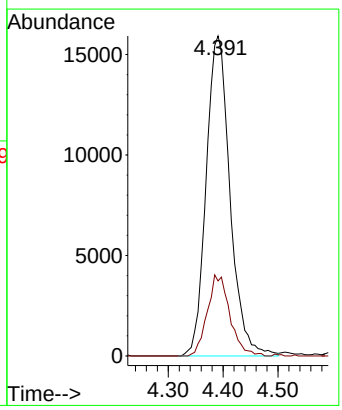
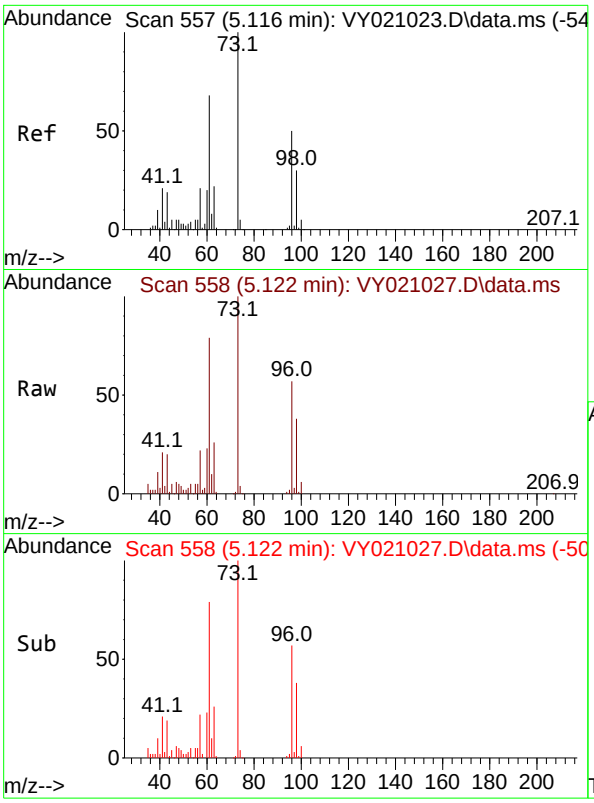



#18
Methyl Acetate
Concen: 46.031 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 48057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.9 | 19.8 | 29.6 |

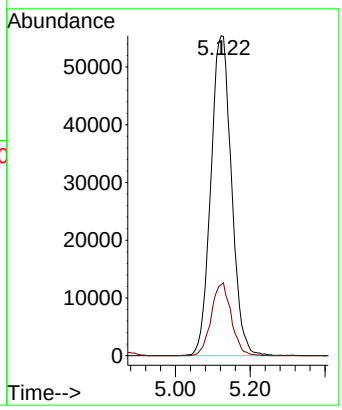





#19
Methyl tert-butyl Ether
Concen: 47.538 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 73 Resp: 21324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.7 | 26.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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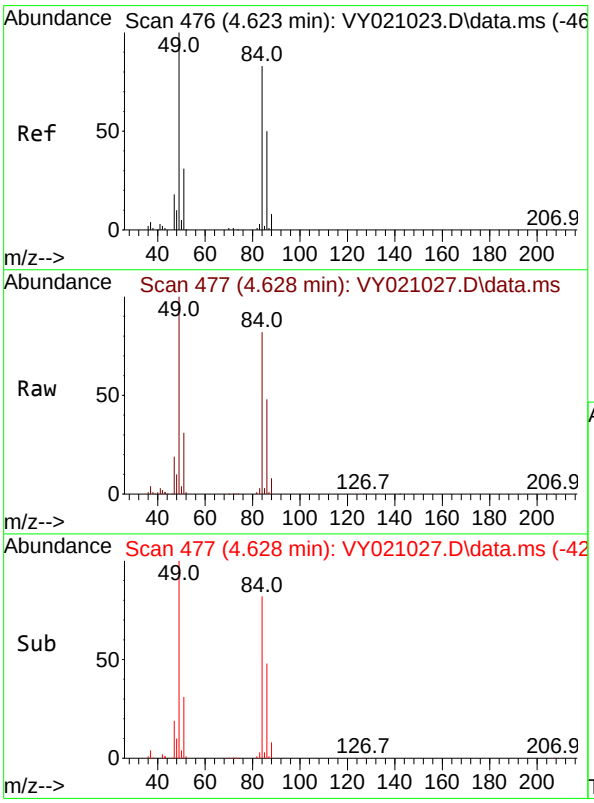
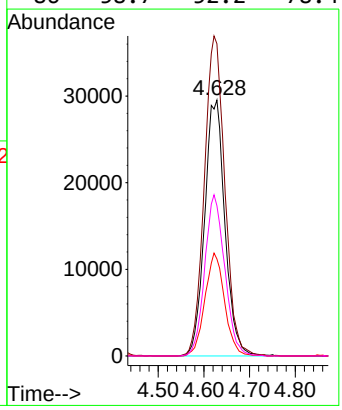
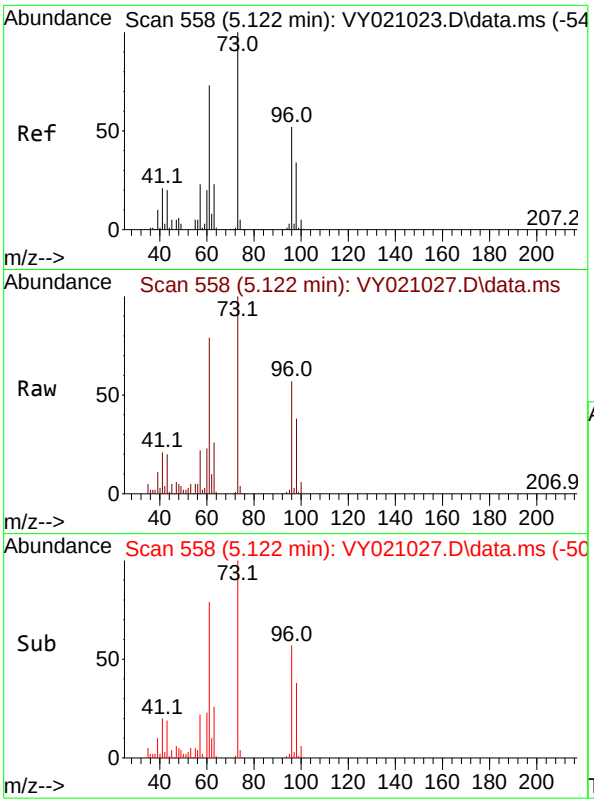



#20
Methylene Chloride
Concen: 49.414 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 84 Resp: 91358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 122.0 | 95.2 | 142.8 |
| 51 | 37.9 | 29.9 | 44.9 |
| 86 | 58.7 | 52.2 | 78.4 |

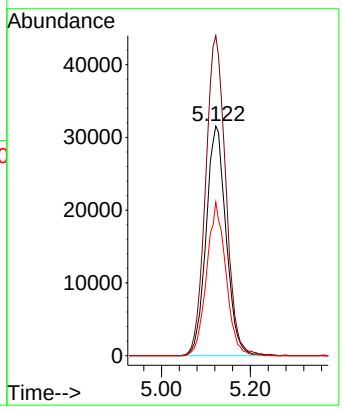





#21
trans-1,2-Dichloroethene
Concen: 50.506 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 9866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.4 | 104.6 | 156.8 |
| 98 | 66.8 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
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ICVVY020325

**Manual Integrations APPROVED**

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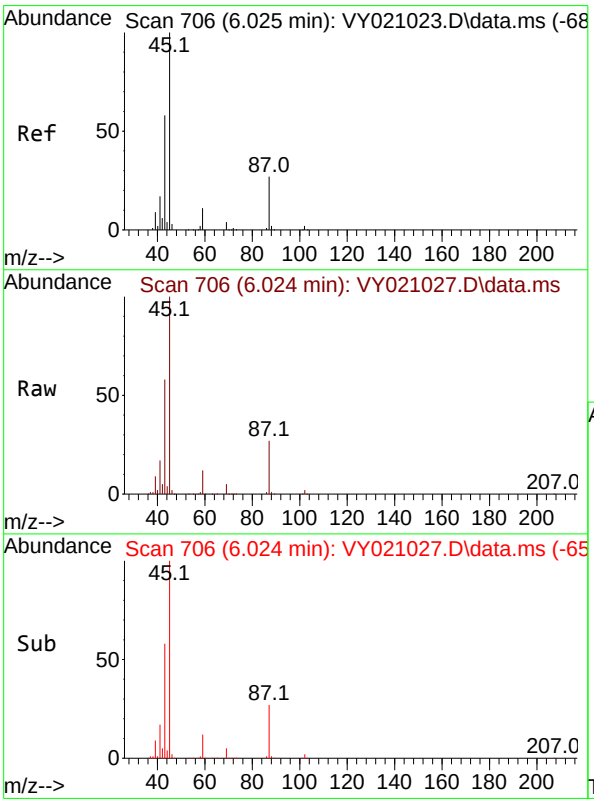
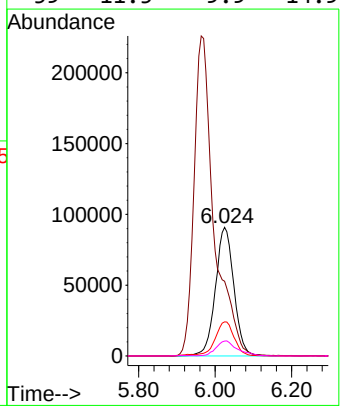
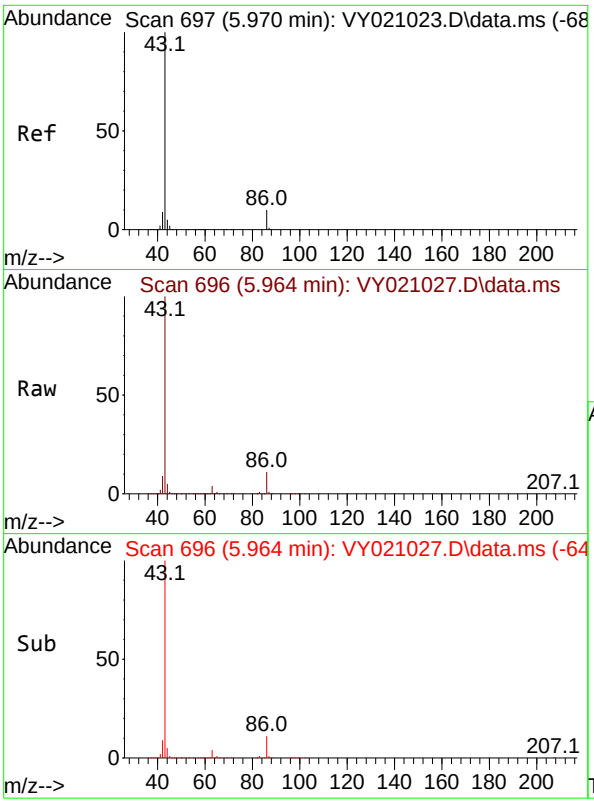



#22
Diisopropyl ether
Concen: 49.407 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 45 Resp: 304603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 57.5 | 46.8 | 70.2 |
| 87 | 26.5 | 22.2 | 33.2 |
| 59 | 11.5 | 9.9 | 14.9 |

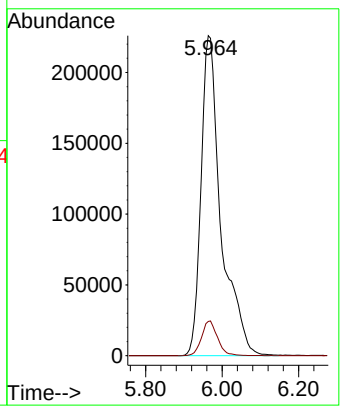





#23
Vinyl Acetate
Concen: 238.370 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 81924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.7 | 8.6 | 13.0 |




**Instrument :**
MSVOA_Y
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ICVVY020325

**Manual Integrations**
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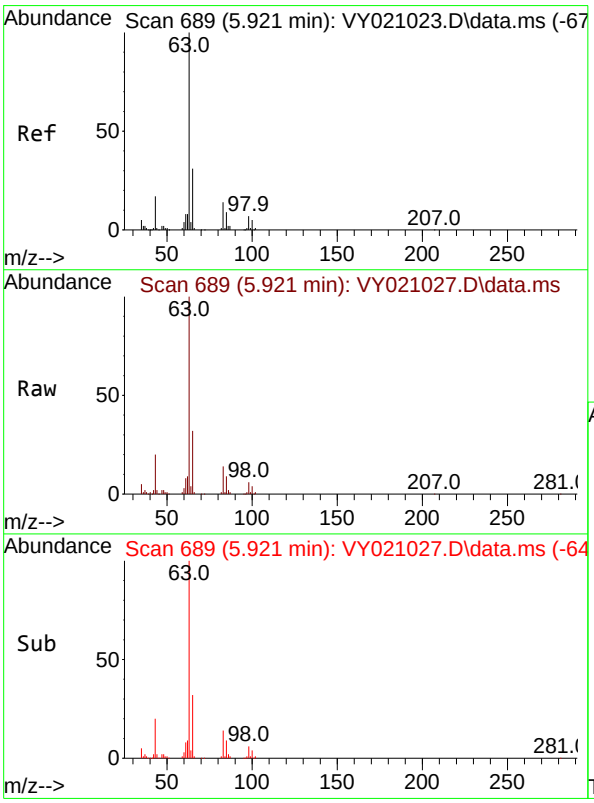
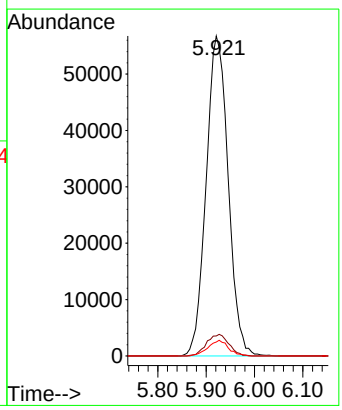
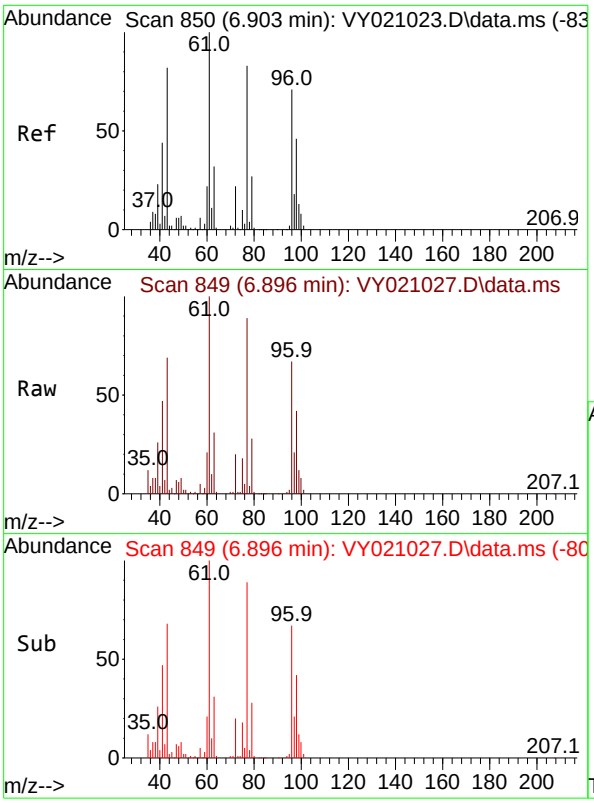



#24
1,1-Dichloroethane
Concen: 49.806 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 179904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.2 | 3.8 | 11.4 |
| 100 | 4.4 | 2.1 | 6.2 |

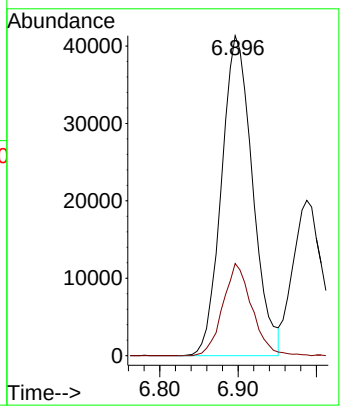





#25
2-Butanone
Concen: 233.503 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 11411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.8 | 21.4 | 32.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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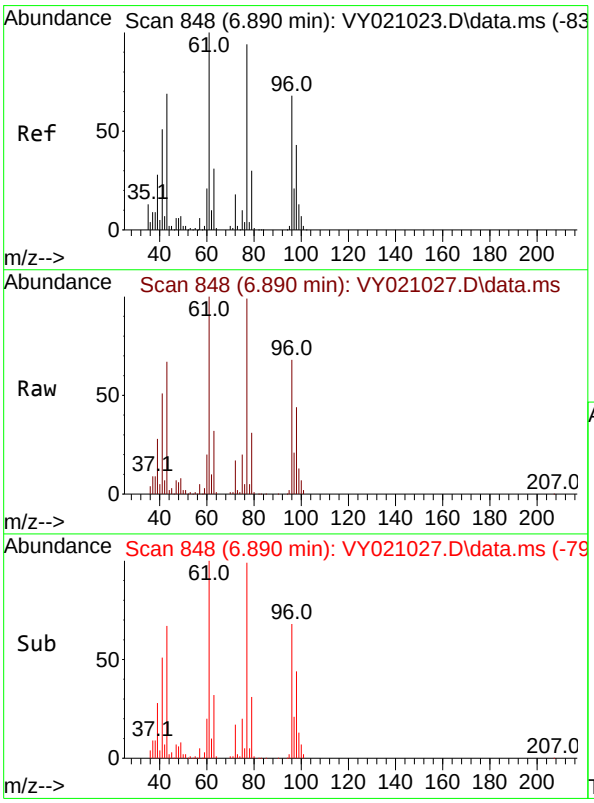
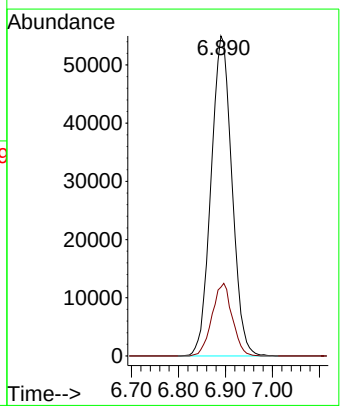
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

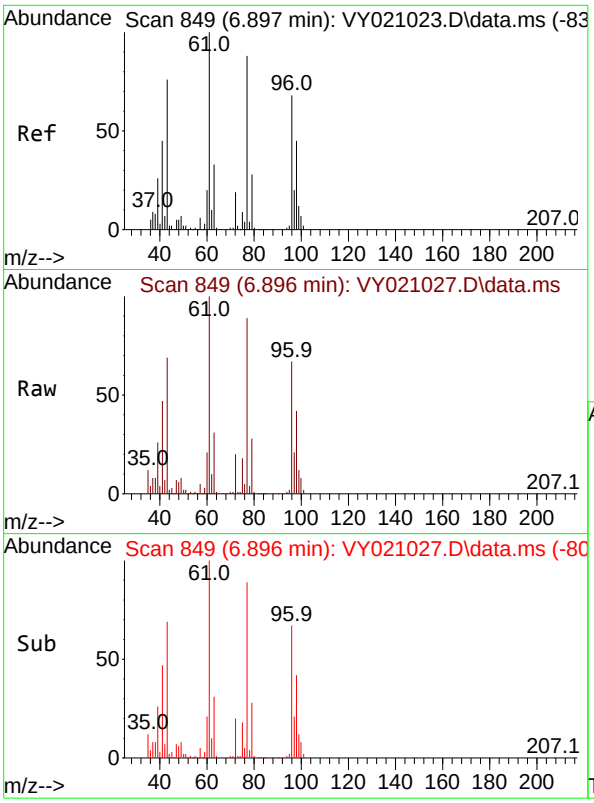



#26
2,2-Dichloropropane
Concen: 50.791 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 77 Resp: 169757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.9 | 11.7 | 35.0 |

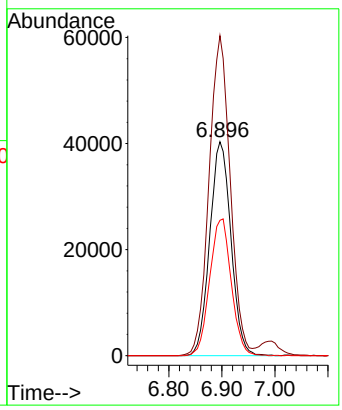





#27
cis-1,2-Dichloroethene
Concen: 49.785 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 11194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.6 | 0.0 | 278.8 |
| 98 | 65.1 | 0.0 | 127.0 |




**Instrument :**
MSVOA_Y
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ICVVY020325

**Manual Integrations**
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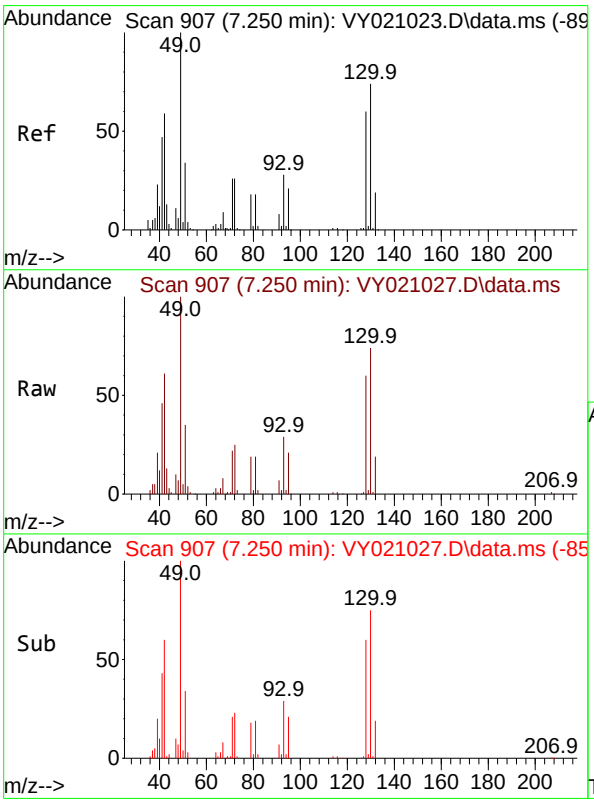
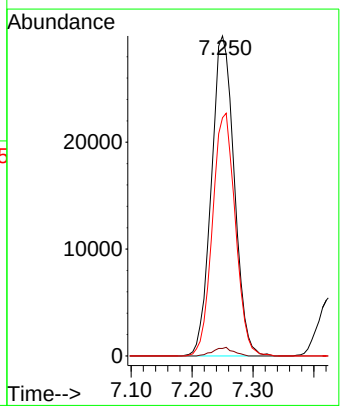
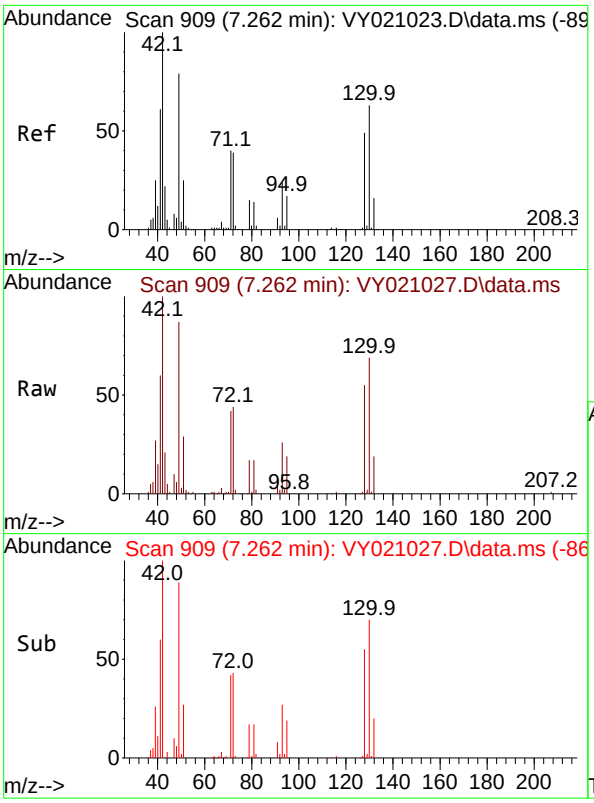



#28
Bromochloromethane
Concen: 54.731 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 49 Resp: 78173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.4 | 0.0 | 3.8 |
| 130 | 75.7 | 59.8 | 89.8 |

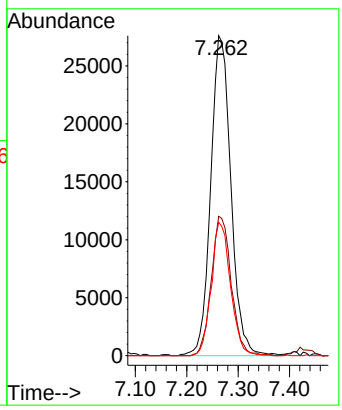





#29
Tetrahydrofuran
Concen: 228.139 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 42 Resp: 7544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.8 | 36.6 | 54.8 |
| 71 | 39.7 | 33.8 | 50.6 |




**Instrument :**
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ICVVY020325

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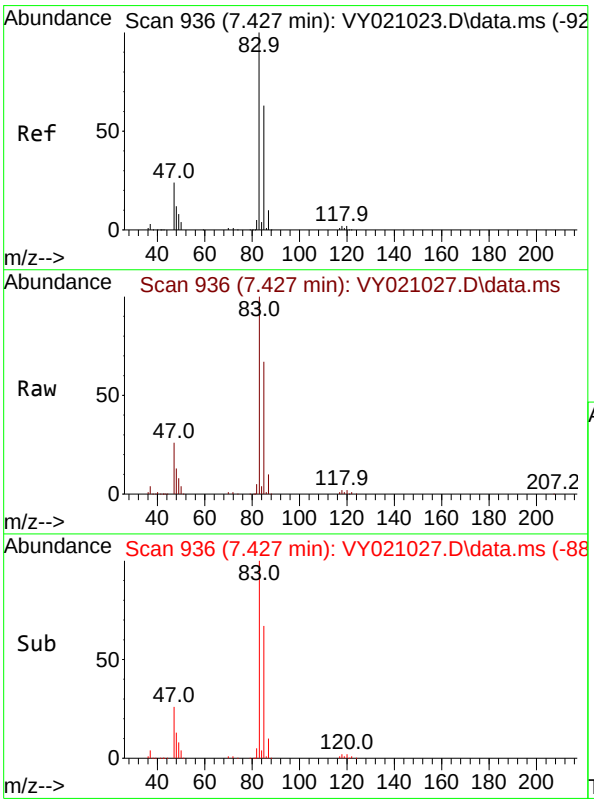
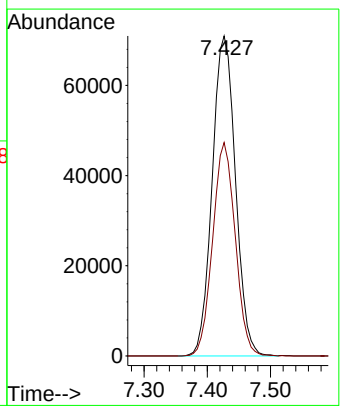
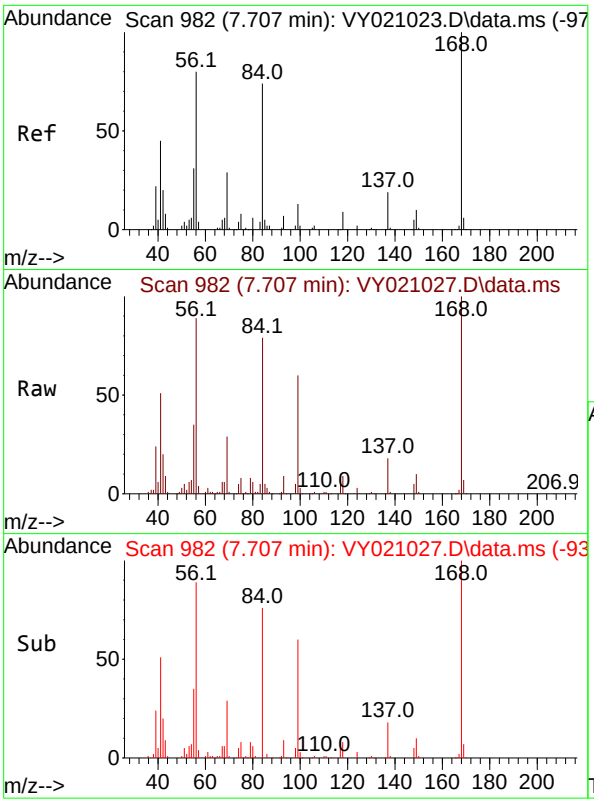



#30
Chloroform
Concen: 48.846 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 181229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.7 | 51.2 | 76.8 |

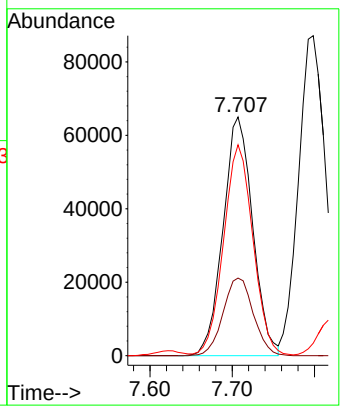





#31
Cyclohexane
Concen: 50.051 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 56 Resp: 16280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.5 | 27.0 | 40.6 |
| 84 | 86.9 | 71.8 | 107.6 |




**Instrument :**
MSVOA_Y
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ICVVY020325

**Manual Integrations**
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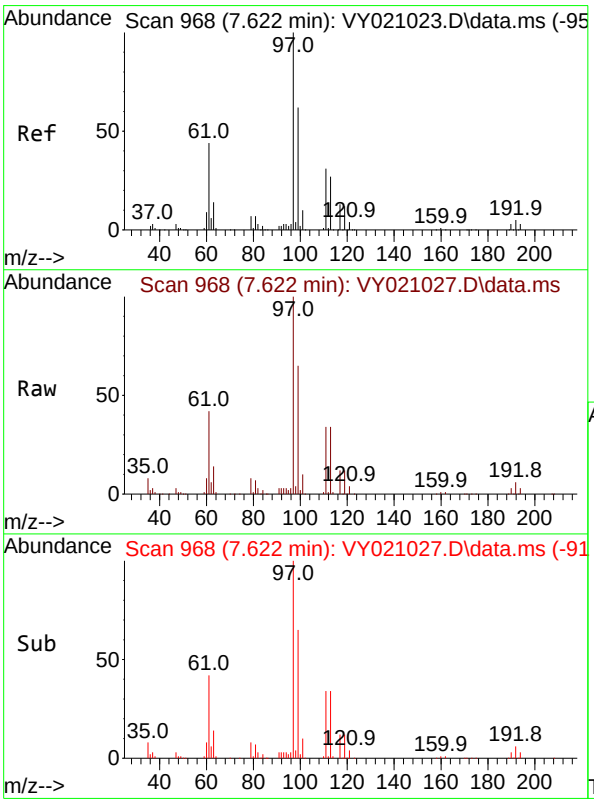
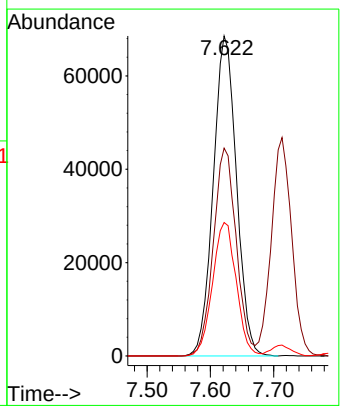
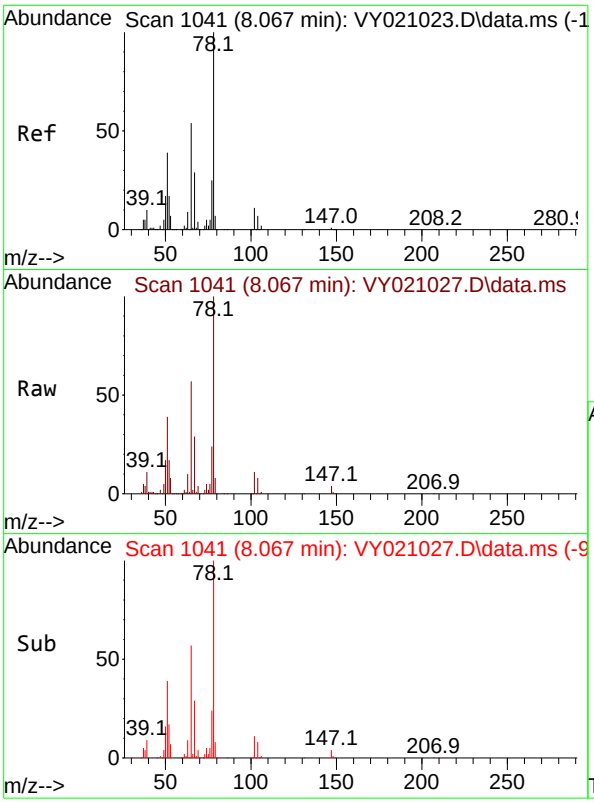



#32
1,1,1-Trichloroethane
Concen: 50.620 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 97 Resp: 174612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 51.2 | 76.8 |
| 61 | 42.6 | 35.0 | 52.6 |

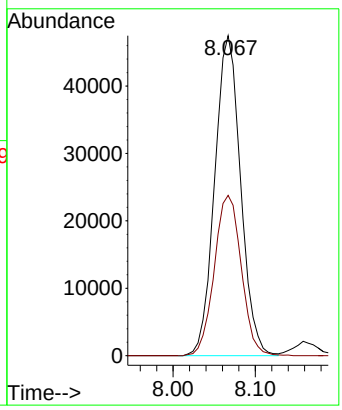





#33
1,2-Dichloroethane-d4
Concen: 54.604 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 65 Resp: 10413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 109.0 |

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MSVOA_Y
**ClientSampleId :**
ICVVY020325

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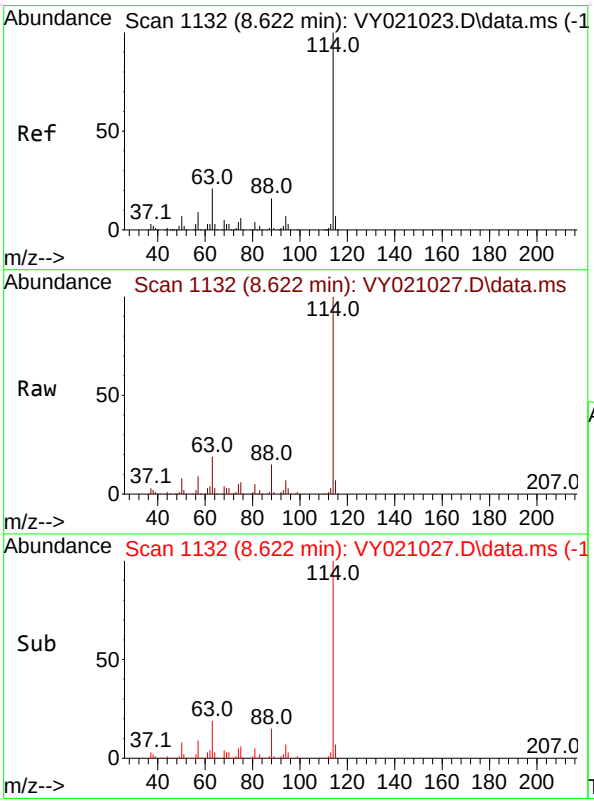
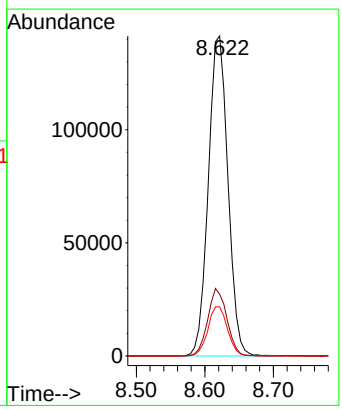
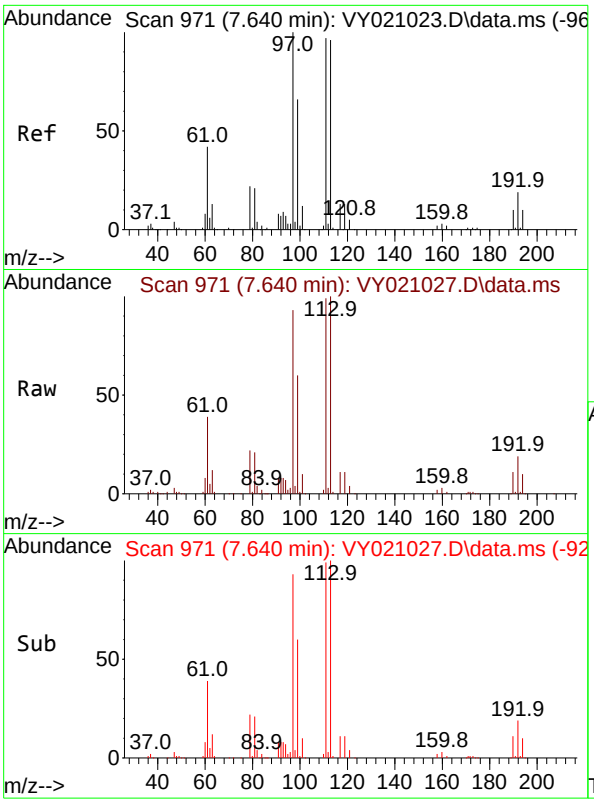



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:114 Resp: 280950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.3 | 0.0 | 37.4 |
| 88 | 15.4 | 0.0 | 29.0 |

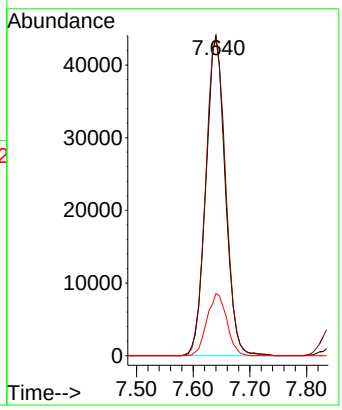





#35
Dibromofluoromethane
Concen: 57.790 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:113 Resp: 10405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 83.8 | 125.6 |
| 192 | 20.0 | 14.5 | 21.7 |




**Instrument :**
MSVOA_Y
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ICVVY020325

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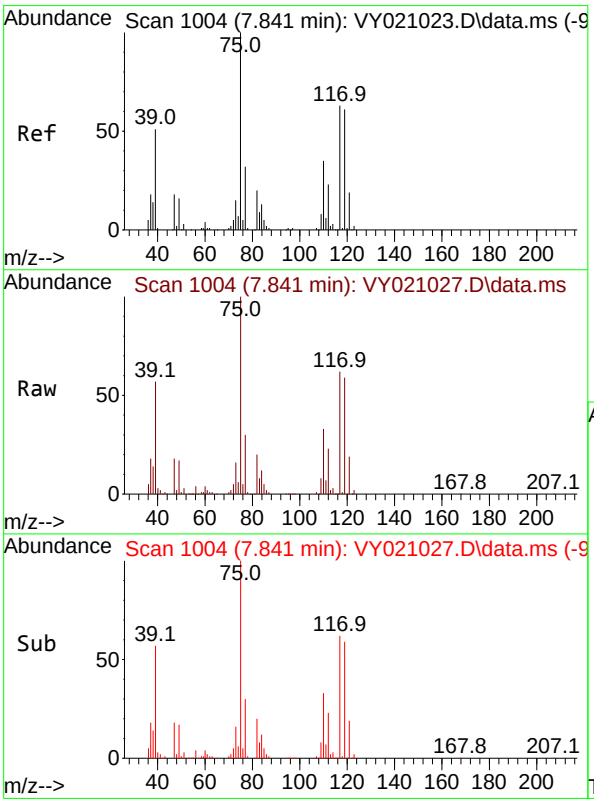
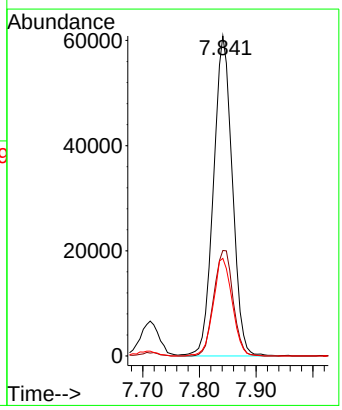
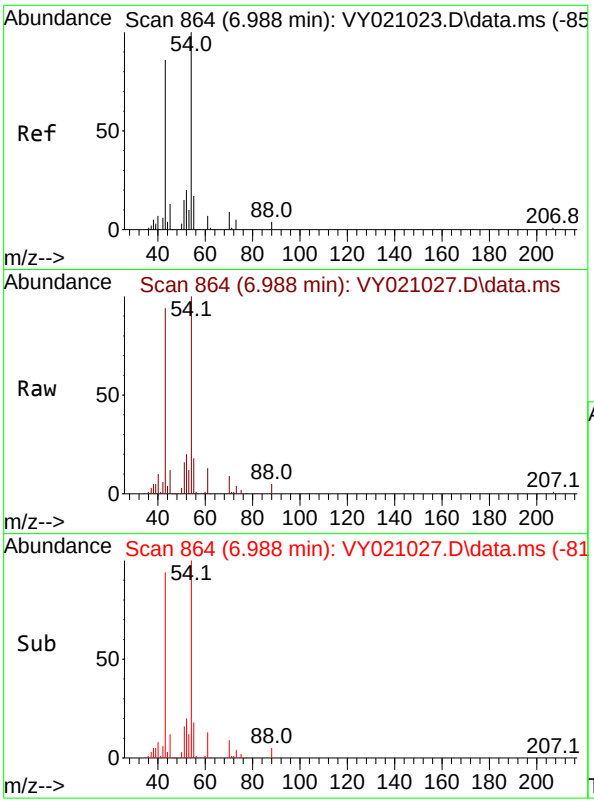



#36
1,1-Dichloropropene
Concen: 52.625 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 140344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 17.4 | 52.3 |
| 77 | 30.7 | 24.7 | 37.1 |

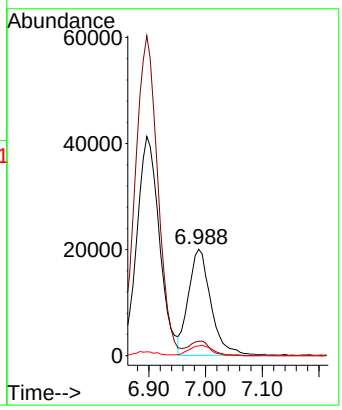





#37
Ethyl Acetate
Concen: 47.006 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 5499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.8 | 11.0 | 16.6 |
| 70 | 9.7 | 8.1 | 12.1 |

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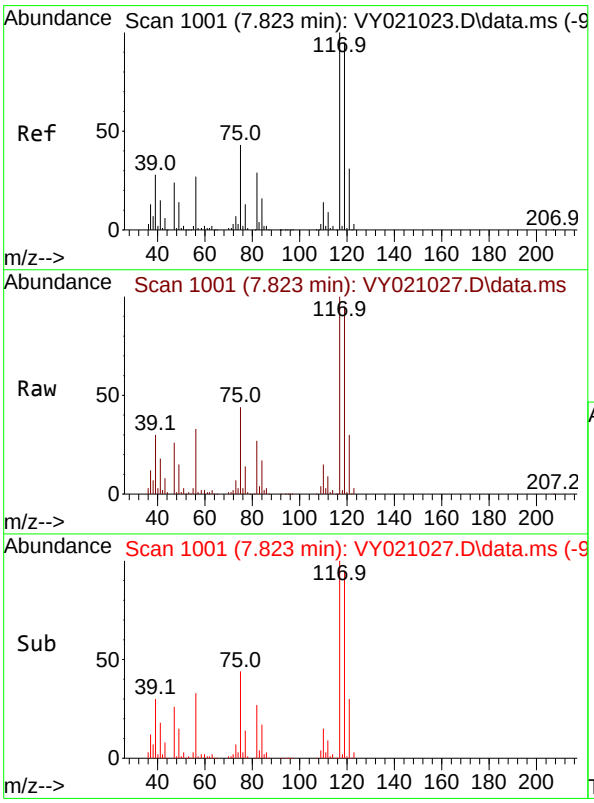
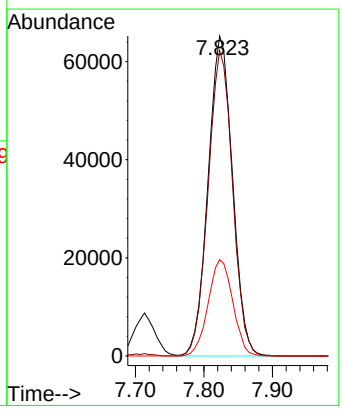
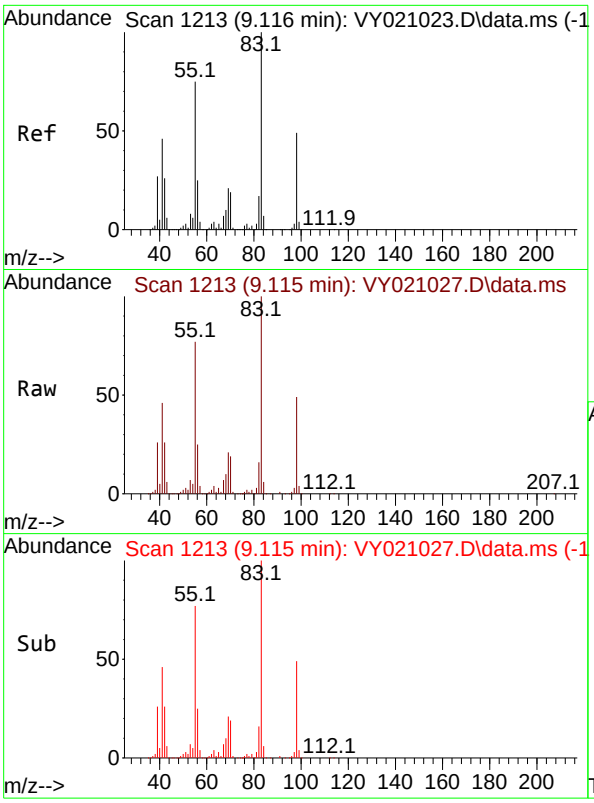



#38
Carbon Tetrachloride
Concen: 51.711 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 161137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 76.0 | 114.0 |
| 121 | 30.1 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 54.123 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 17655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.1 | 59.7 | 89.5 |
| 98 | 49.4 | 38.0 | 57.0 |

**Instrument :**
MSVOA_Y
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ICVVY020325

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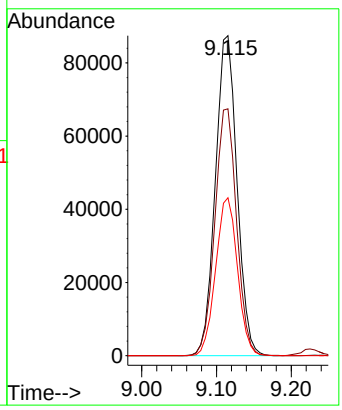
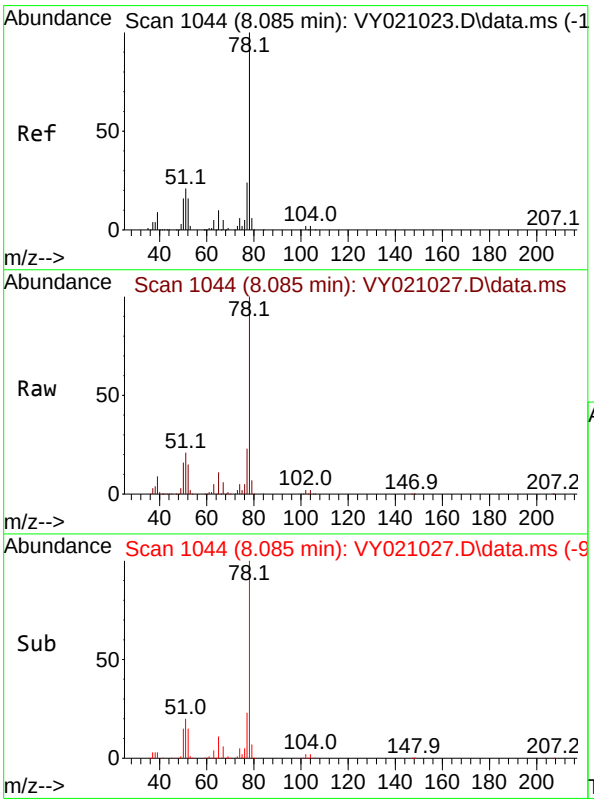
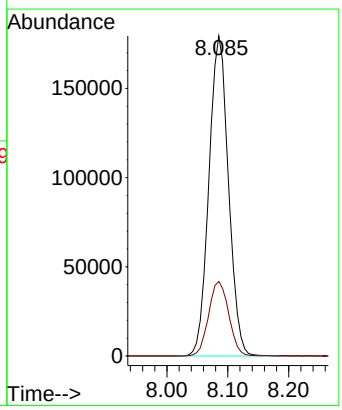


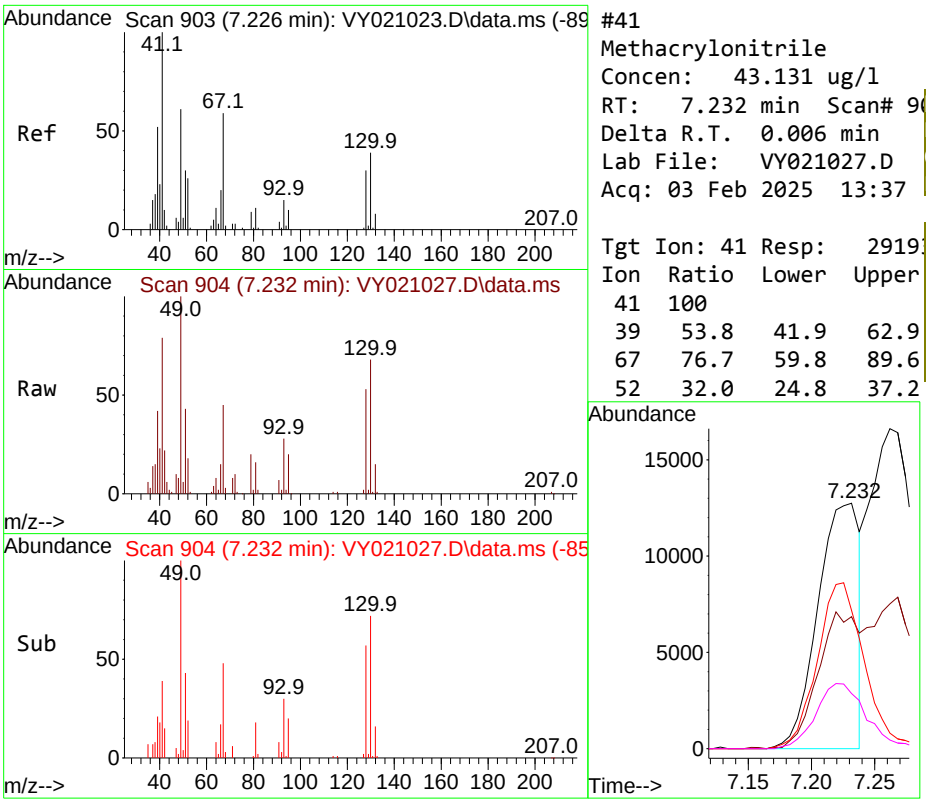




#40
Benzene
Concen: 51.052 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 78 Resp: 399547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.2 | 18.8 | 28.2 |






#41
Methacrylonitrile
Concen: 43.131 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 2919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.8 | 41.9 | 62.9 |
| 67 | 76.7 | 59.8 | 89.6 |
| 52 | 32.0 | 24.8 | 37.2 |




**Instrument :**
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**ClientSampleId :**
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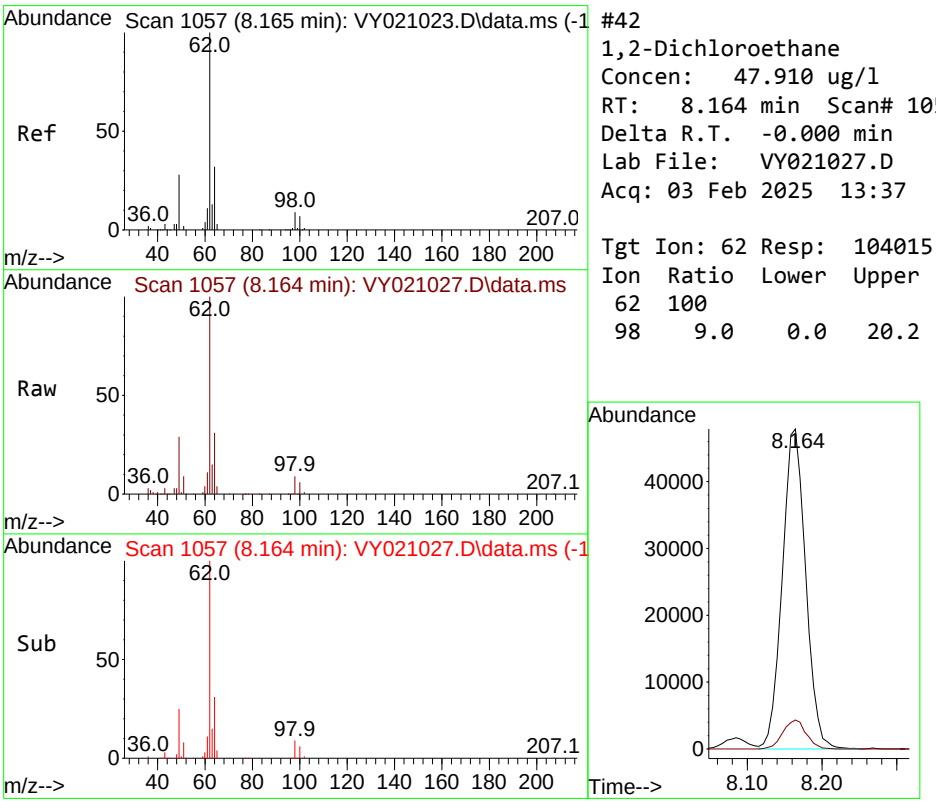
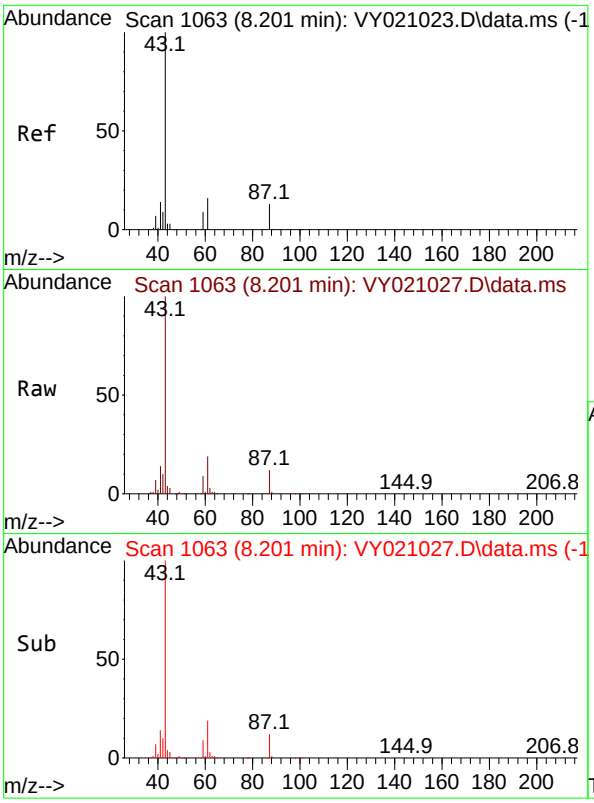



#42
1,2-Dichloroethane
Concen: 47.910 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 62 Resp: 104015

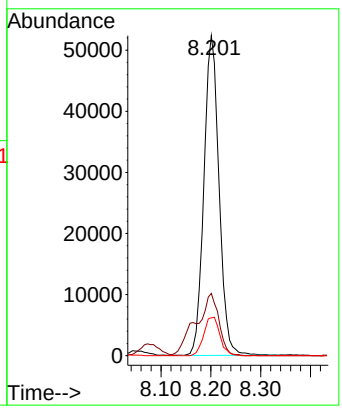
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 20.2 |




#43
Isopropyl Acetate
Concen: 47.523 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 11047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 29.5 | 24.8 | 37.2 |
| 87 | 12.8 | 10.7 | 16.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

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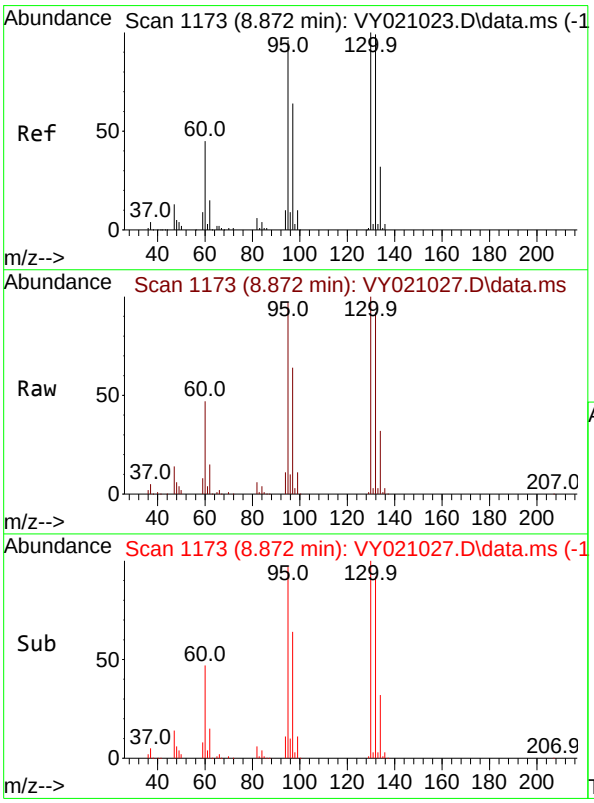
**APPROVED**

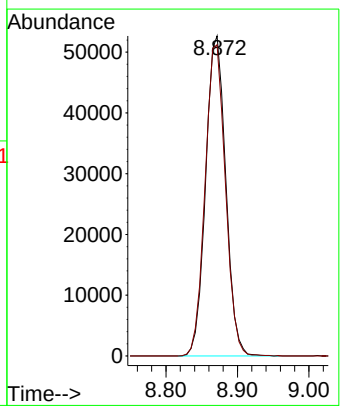
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

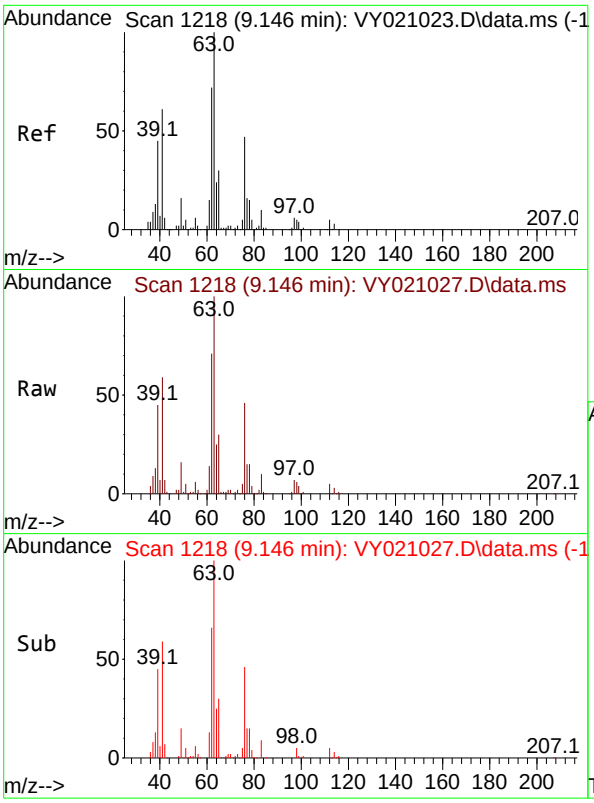



#44
Trichloroethene
Concen: 50.777 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:130 Resp: 102671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.2 | 0.0 | 203.8 |

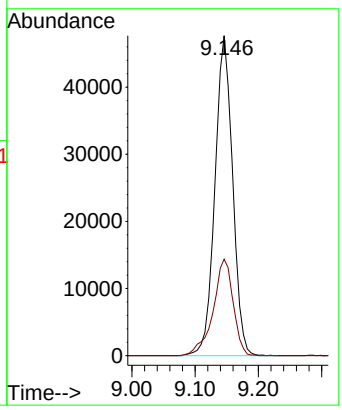





#45
1,2-Dichloropropane
Concen: 49.666 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 9225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.2 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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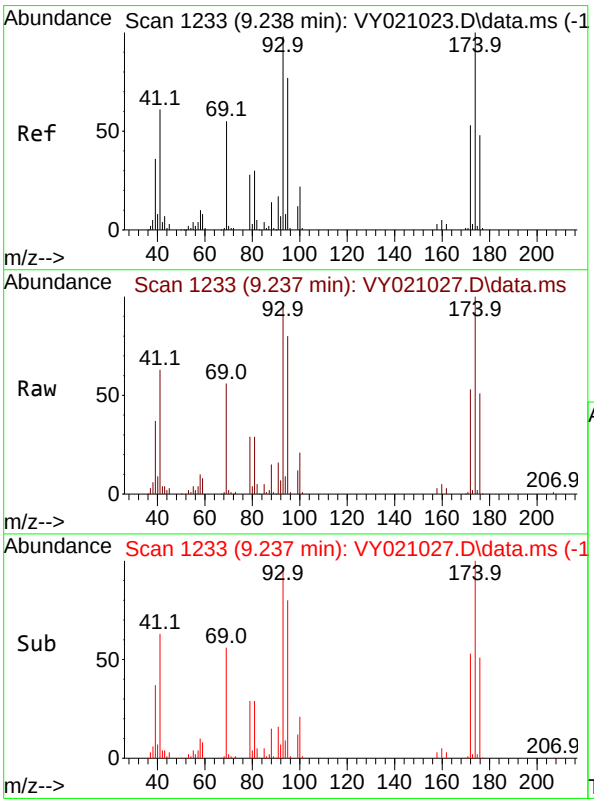
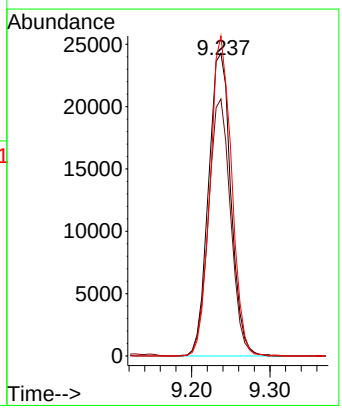
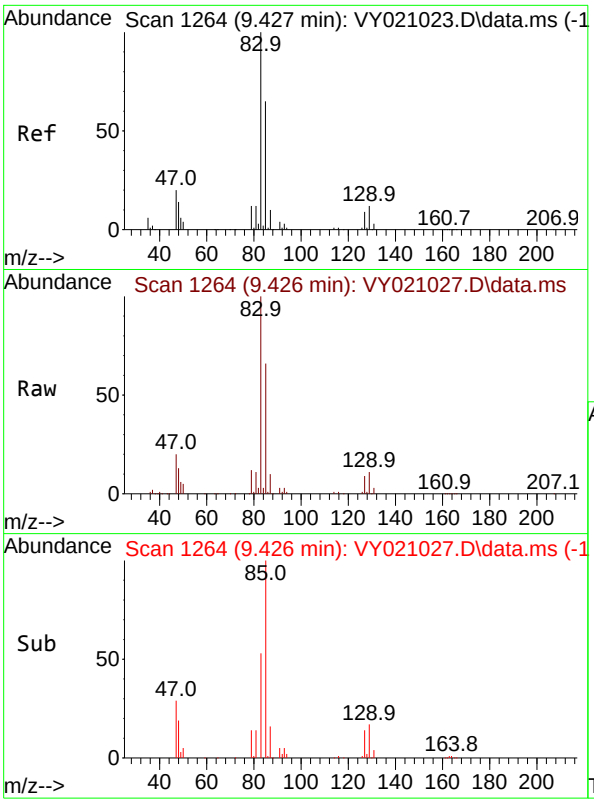



#46
Dibromomethane
Concen: 46.914 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 93 Resp: 48251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.8 | 66.6 | 99.8 |
| 174 | 101.3 | 73.8 | 110.6 |

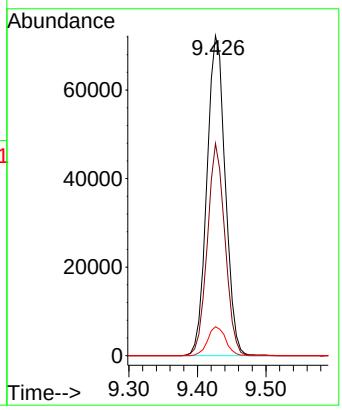





#47
Bromodichloromethane
Concen: 48.799 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 13460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.3 | 53.2 | 79.8 |
| 127 | 9.1 | 6.4 | 9.6 |

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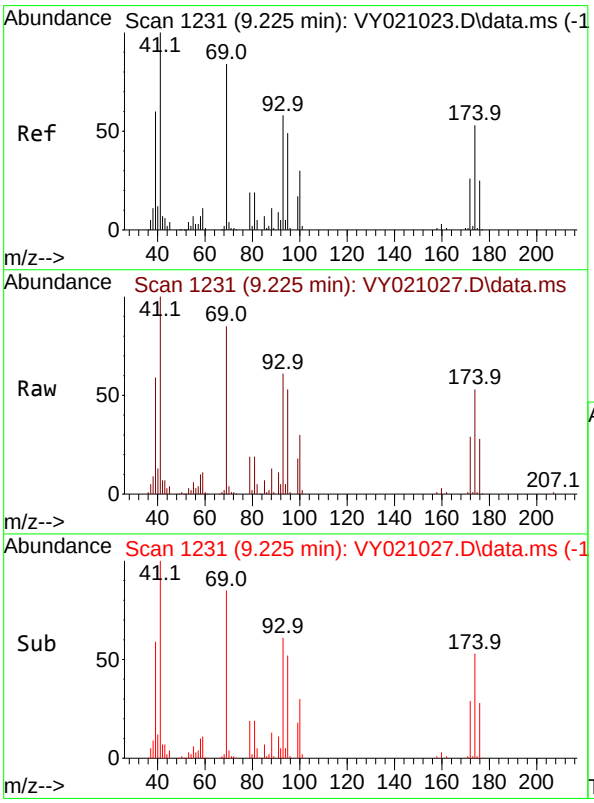
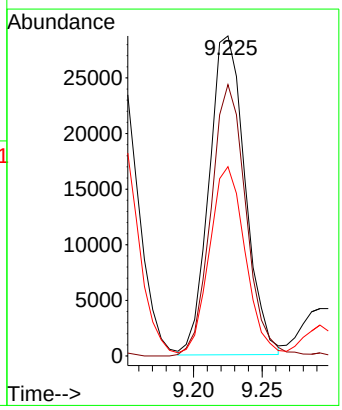
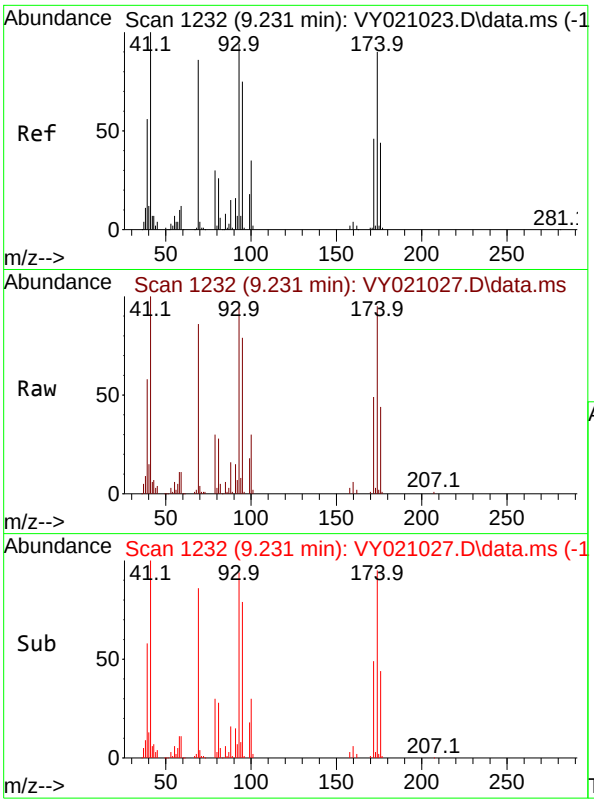



#48
Methyl methacrylate
Concen: 49.560 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 52480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.0 | 72.1 | 108.1 |
| 39 | 57.2 | 42.8 | 64.2 |

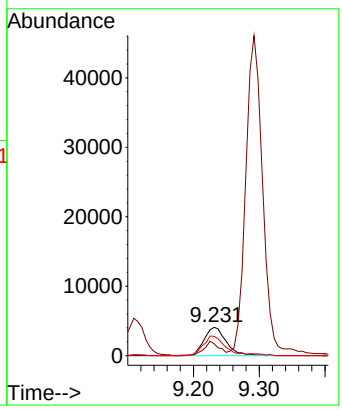





#49
1,4-Dioxane
Concen: 1001.398 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 88 Resp: 958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.5 | 28.2 | 42.4 |
| 58 | 66.7 | 52.2 | 78.2 |




**Instrument :**
MSVOA_Y
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ICVVY020325

**Manual Integrations APPROVED**

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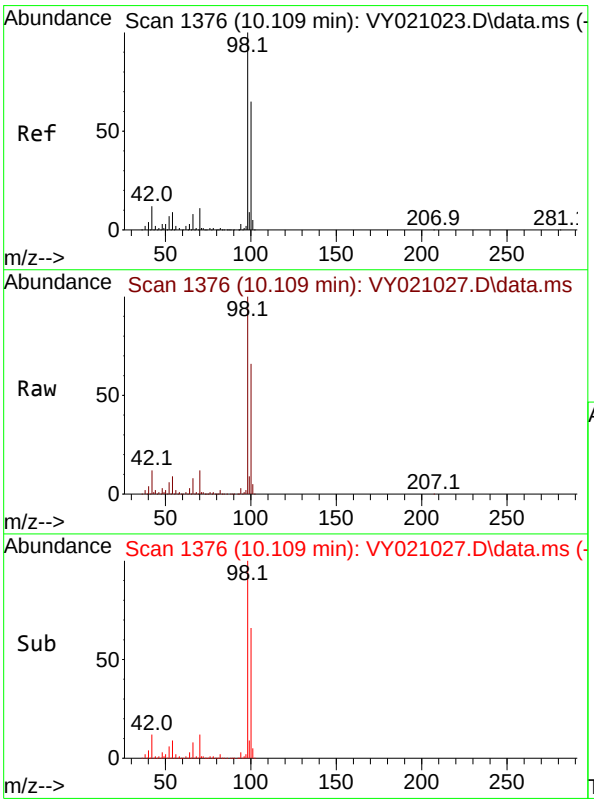
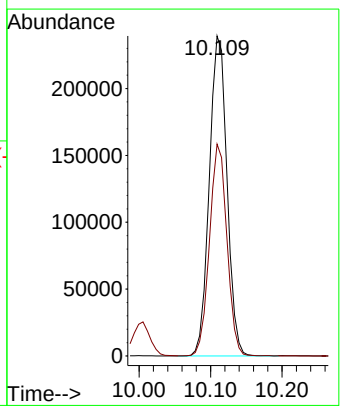
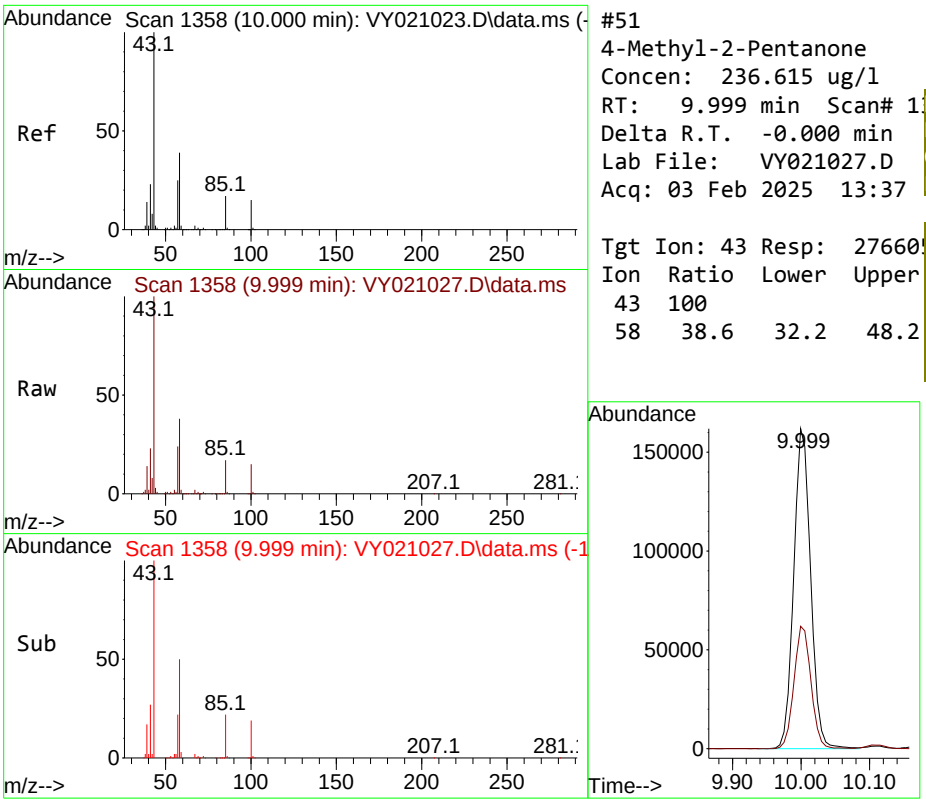



#50
Toluene-d8
Concen: 59.966 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 98 Resp: 411045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 52.3 | 78.5 |






#51
4-Methyl-2-Pentanone
Concen: 236.615 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 27660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.6 | 32.2 | 48.2 |

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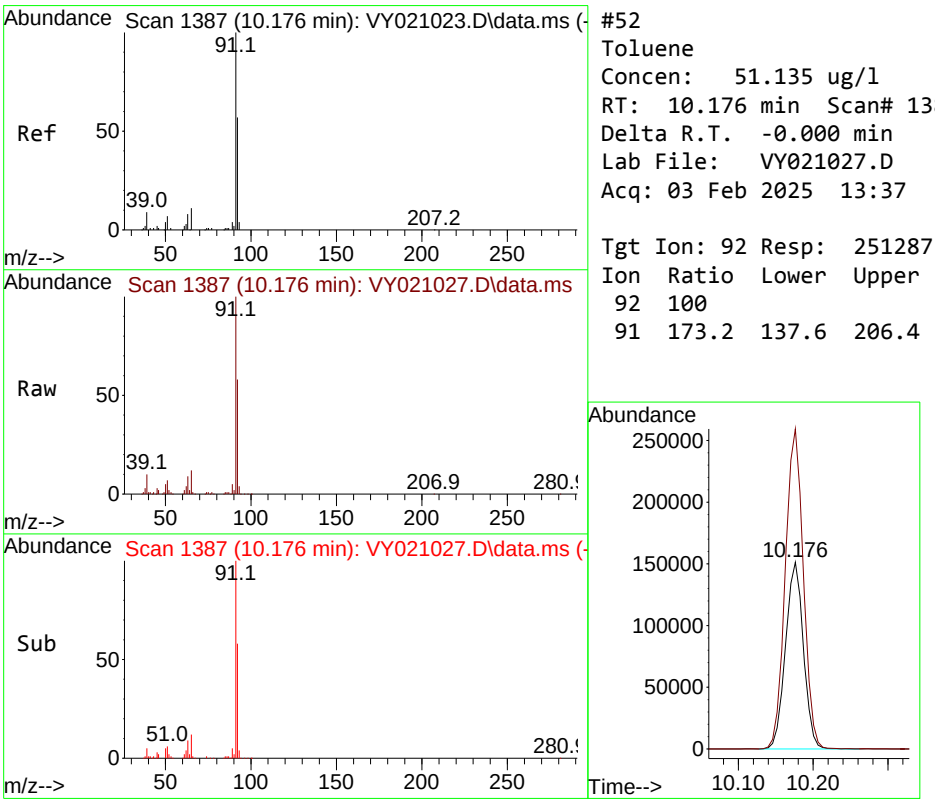
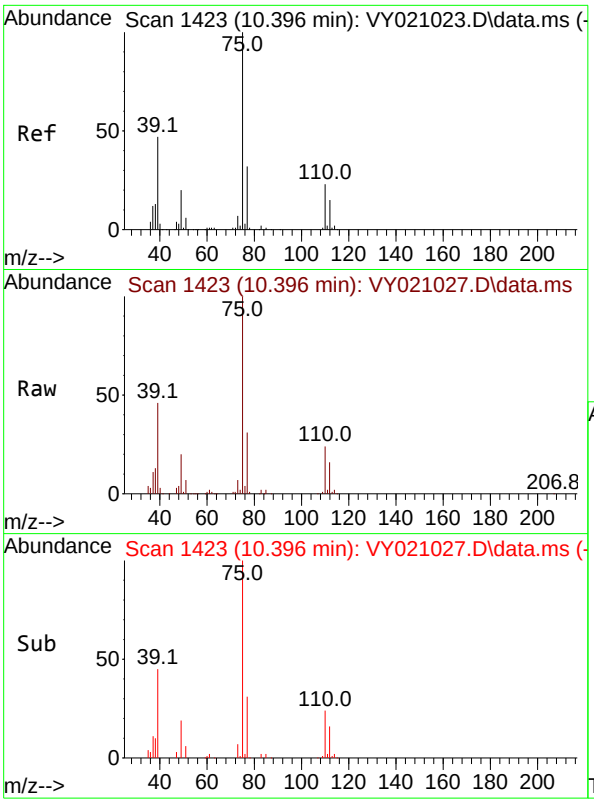



#52
Toluene
Concen: 51.135 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 92 Resp: 251287

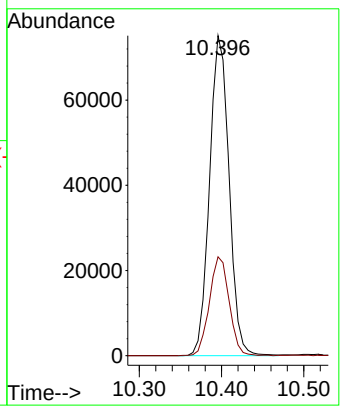
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.2 | 137.6 | 206.4 |




#53
t-1,3-Dichloropropene
Concen: 49.950 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 12371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
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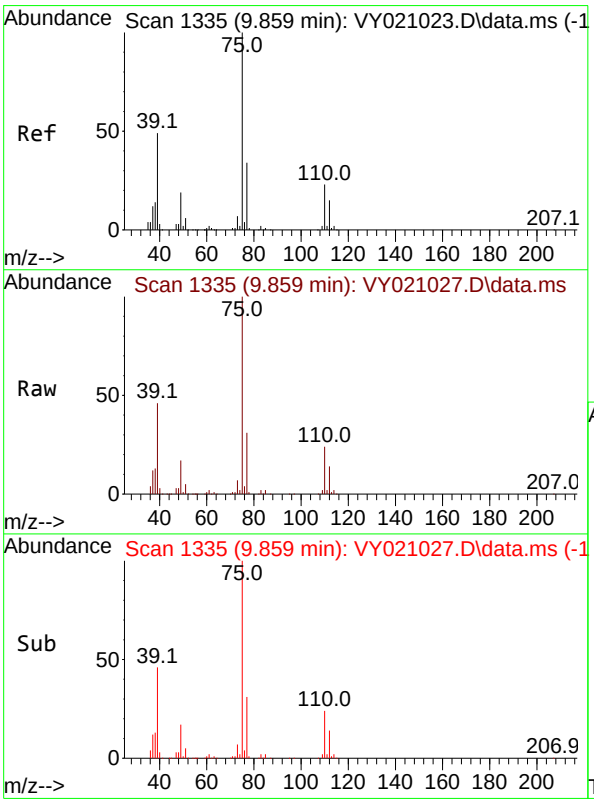
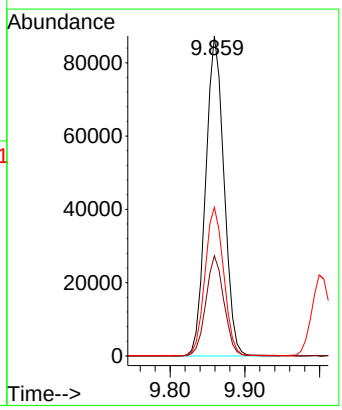
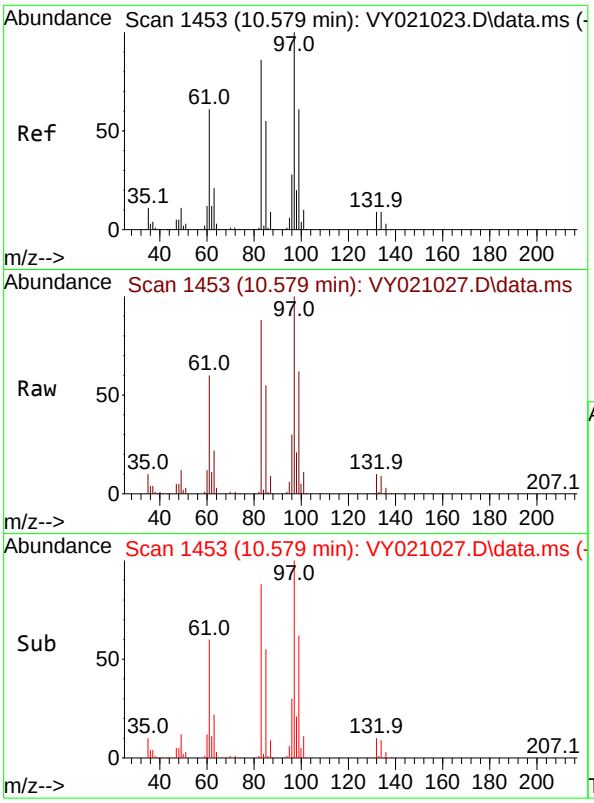



#54
cis-1,3-Dichloropropene
Concen: 50.550 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 148244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 24.6 | 36.8 |
| 39 | 46.4 | 33.6 | 50.4 |

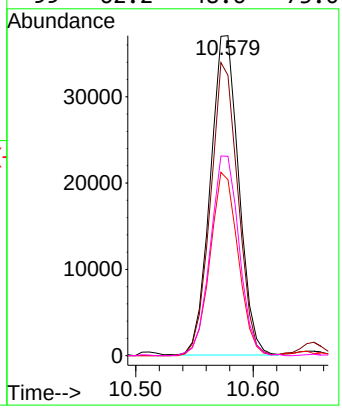





#55
1,1,2-Trichloroethane
Concen: 46.820 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 97 Resp: 6235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.5 | 69.4 | 104.2 |
| 85 | 55.1 | 43.9 | 65.9 |
| 99 | 62.2 | 48.6 | 73.0 |




**Instrument :**
MSVOA_Y
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ICVVY020325

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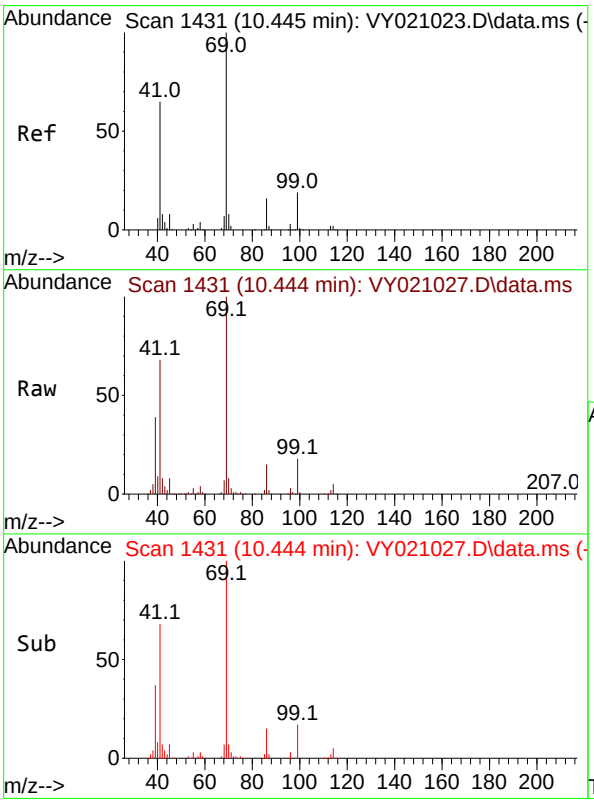
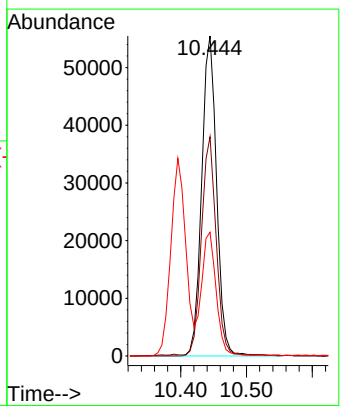
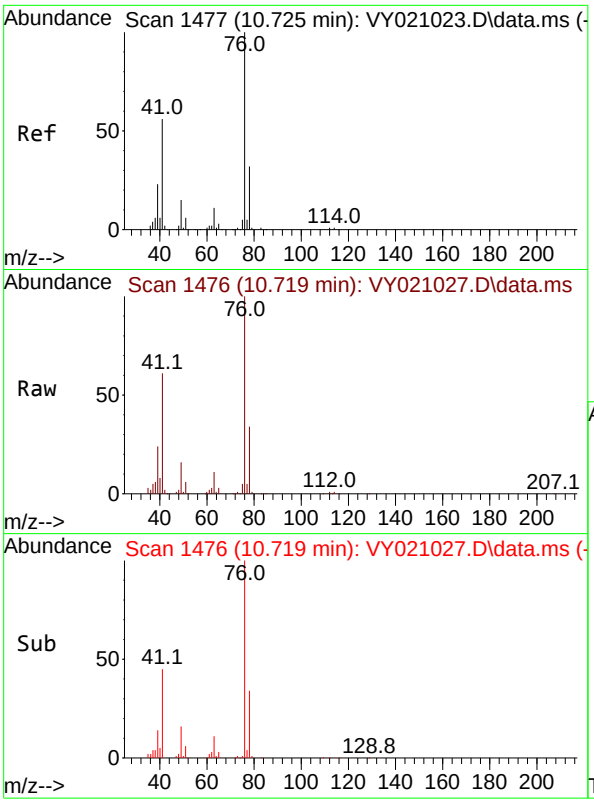



#56
Ethyl methacrylate
Concen: 49.082 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 69 Resp: 87450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 66.5 | 49.2 | 73.8 |
| 39 | 37.5 | 26.8 | 40.2 |

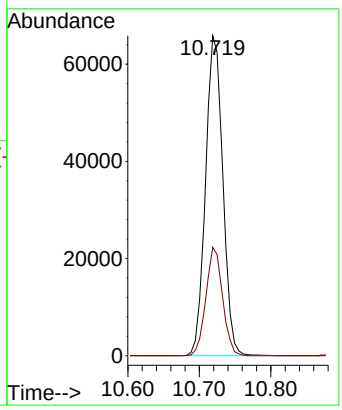





#57
1,3-Dichloropropane
Concen: 47.980 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 76 Resp: 11060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.1 | 39.1 |

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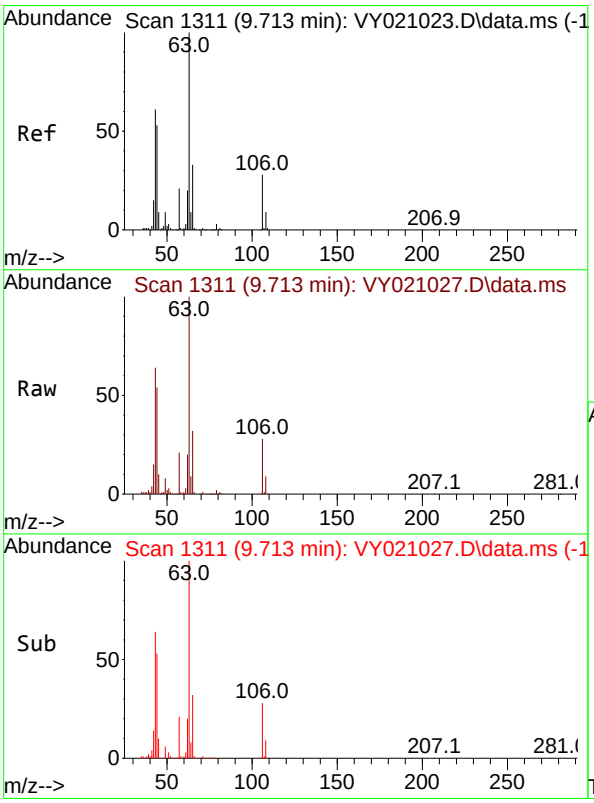
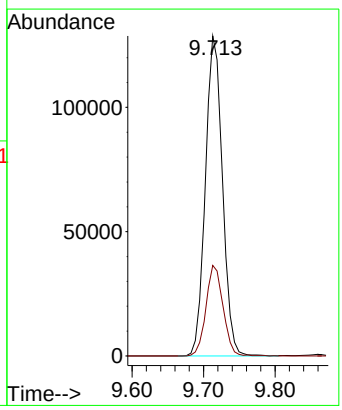
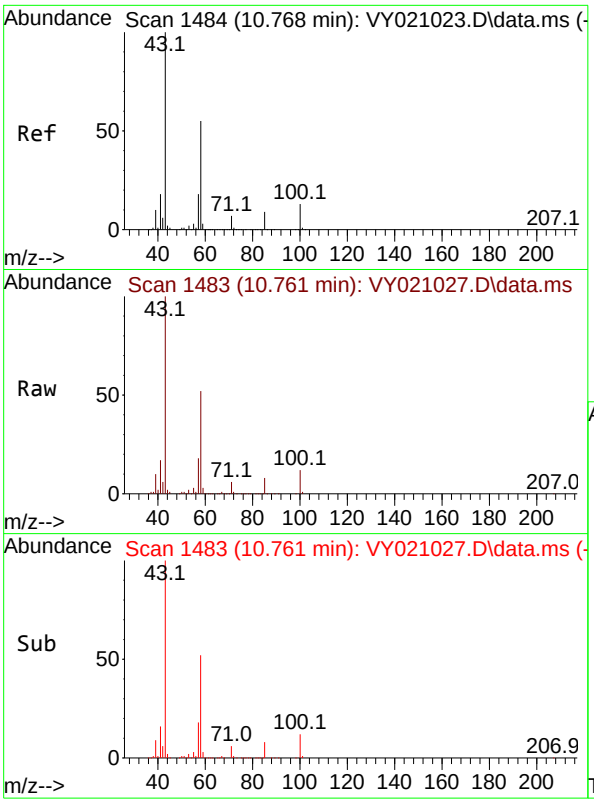



#58
2-Chloroethyl Vinyl ether
Concen: 251.852 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 213481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.3 | 22.4 | 33.6 |

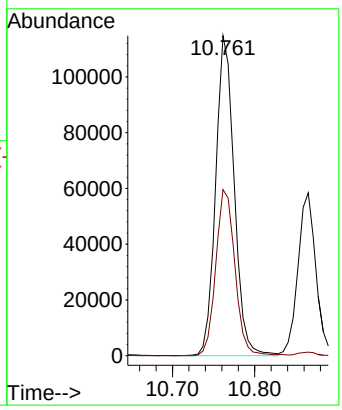





#59
2-Hexanone
Concen: 239.750 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 18045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 28.1 | 84.3 |

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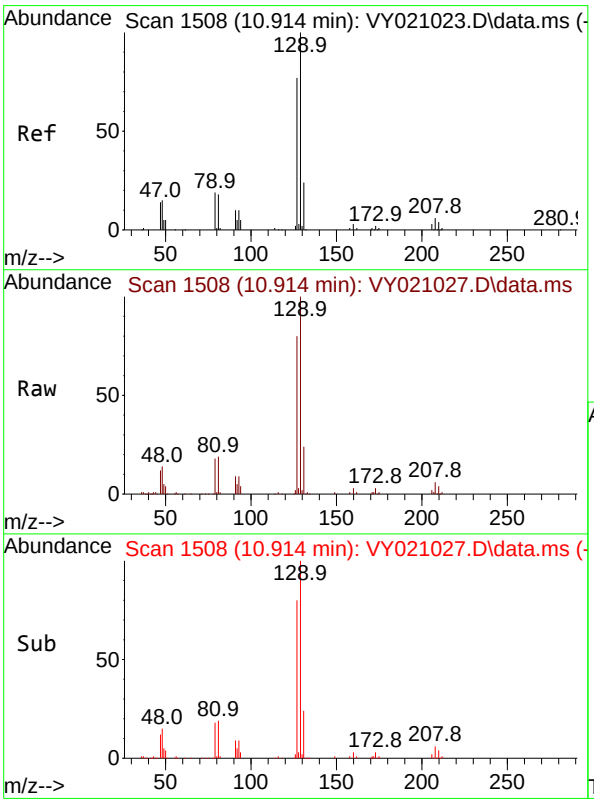
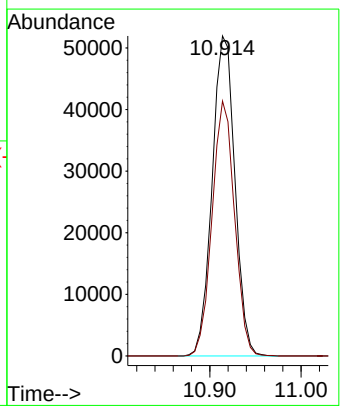
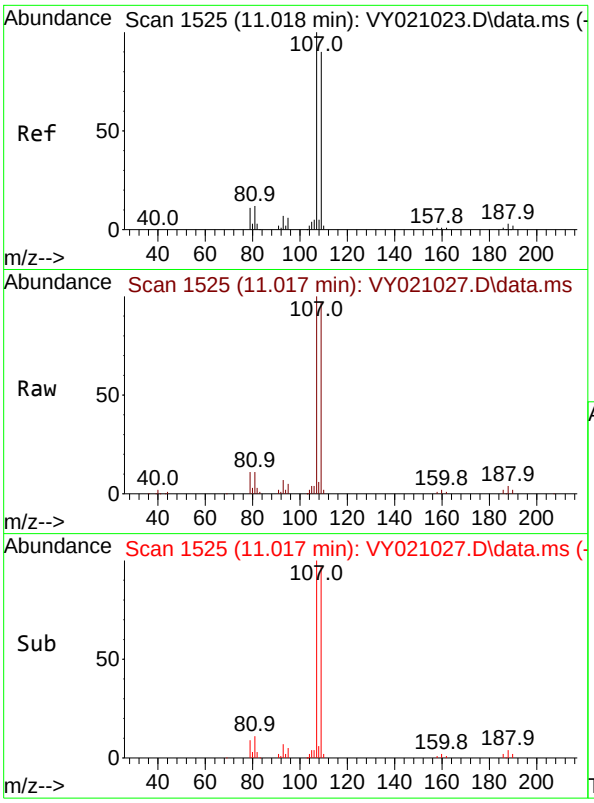



#60
Dibromochloromethane
Concen: 48.123 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:129 Resp: 90009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.6 | 39.2 | 117.6 |

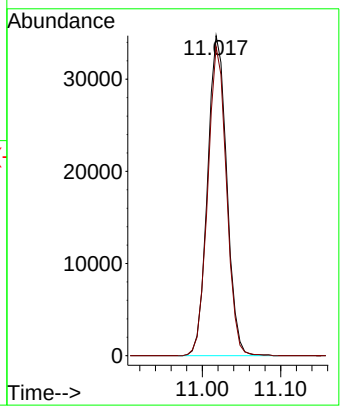





#61
1,2-Dibromoethane
Concen: 47.325 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:107 Resp: 5903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.5 | 75.4 | 113.2 |

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MSVOA_Y
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ICVVY020325

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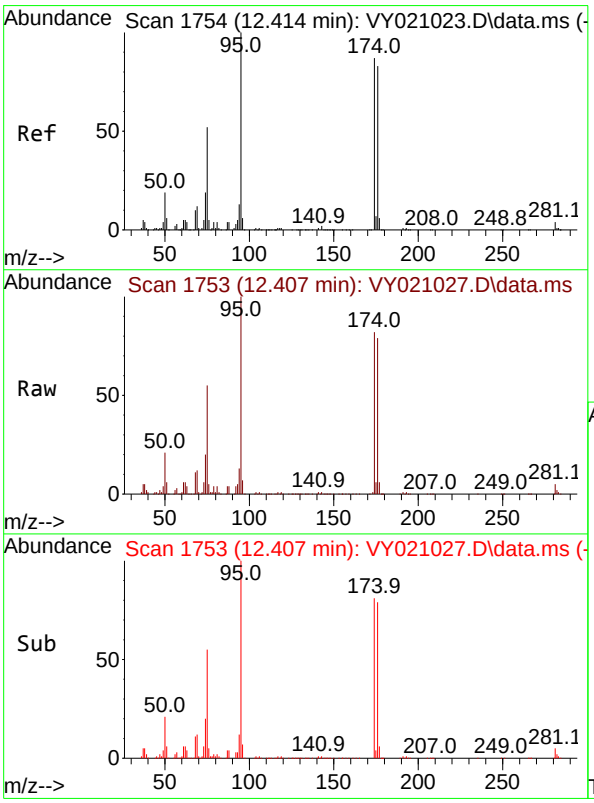
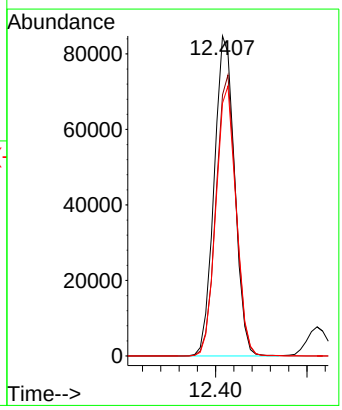
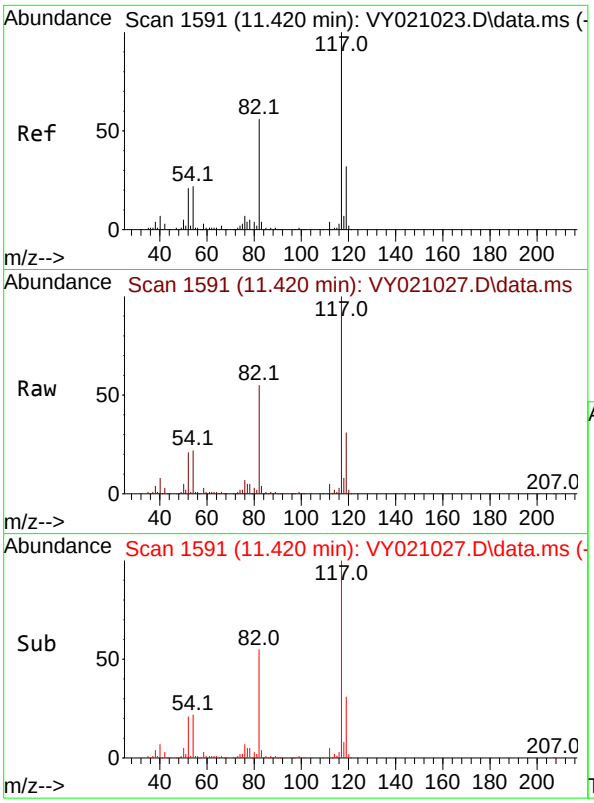



#62
4-Bromofluorobenzene
Concen: 58.919 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 95 Resp: 131943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.5 | 0.0 | 160.0 |
| 176 | 83.2 | 0.0 | 151.8 |

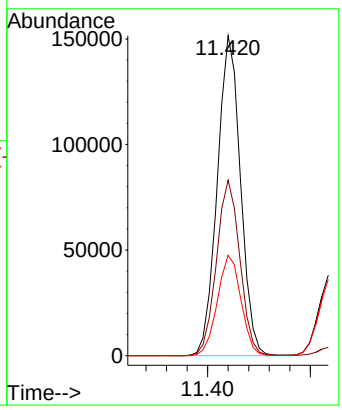





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 23756

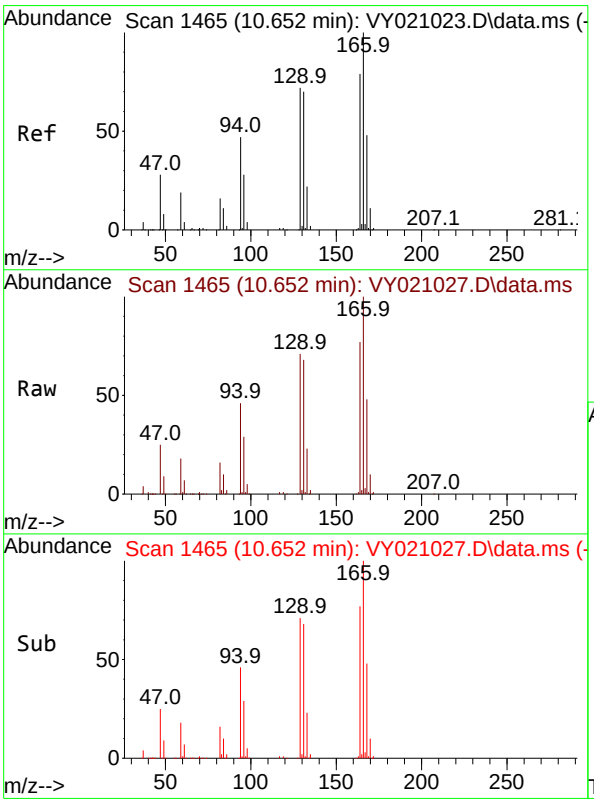
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 43.8 | 65.8 |
| 119 | 31.4 | 26.5 | 39.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
**APPROVED**

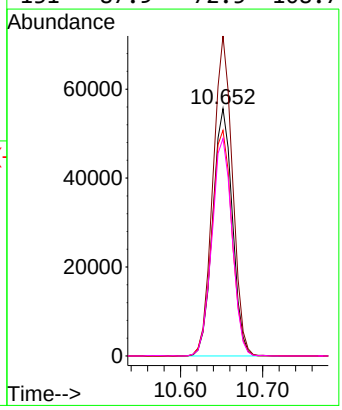
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

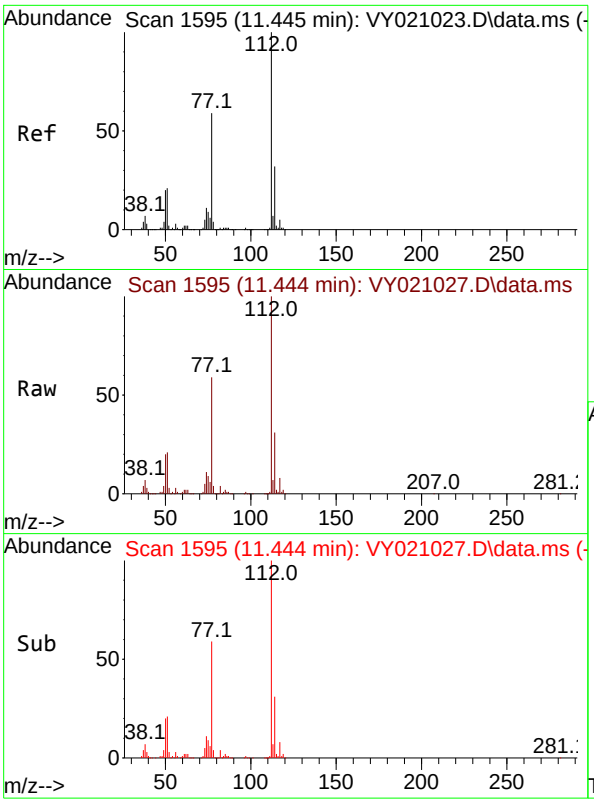



#64
Tetrachloroethene
Concen: 52.446 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:164 Resp: 92493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.4 | 98.8 | 148.2 |
| 129 | 91.2 | 78.9 | 118.3 |
| 131 | 87.9 | 72.5 | 108.7 |

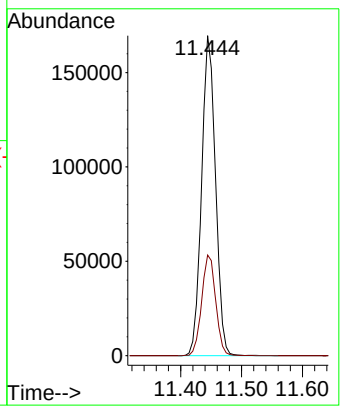





#65
Chlorobenzene
Concen: 50.766 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:112 Resp: 26854

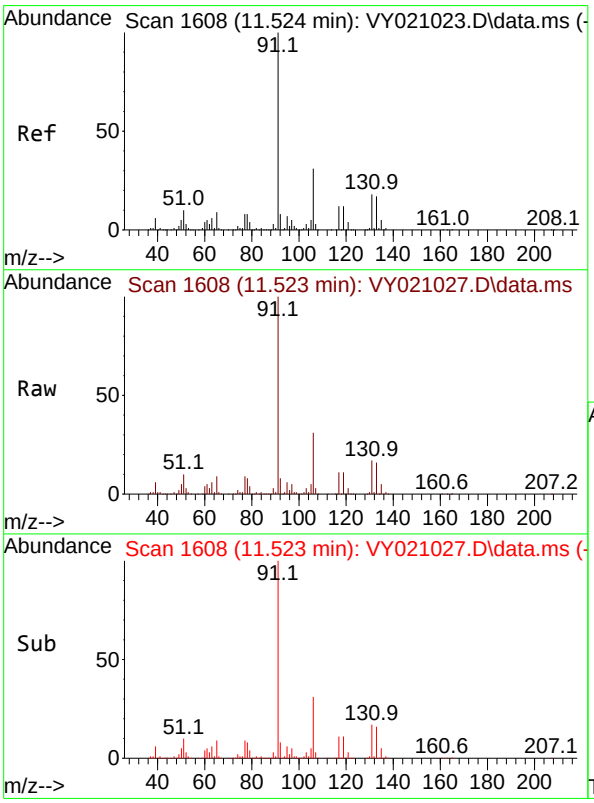
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations APPROVED**

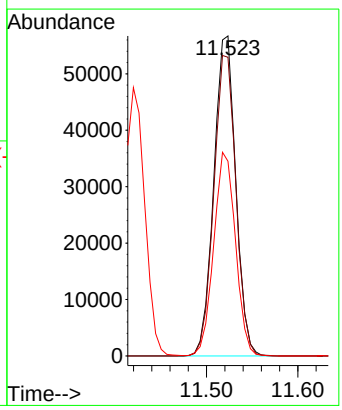
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

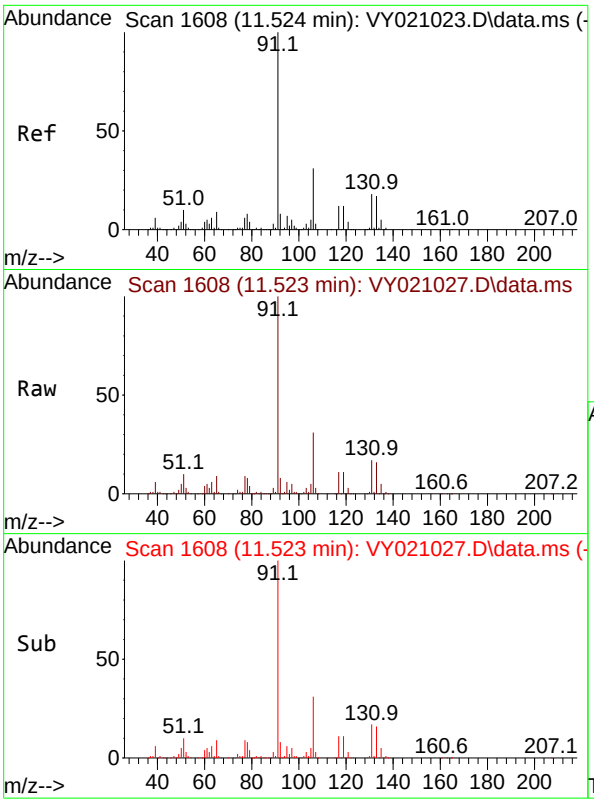



#66
1,1,1,2-Tetrachloroethane
Concen: 50.356 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:131 Resp: 94662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.7 | 47.0 | 141.0 |
| 119 | 63.3 | 33.3 | 99.9 |

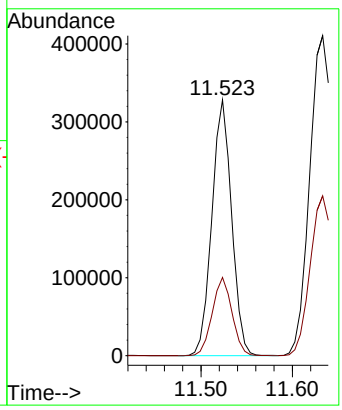





#67
Ethyl Benzene
Concen: 52.642 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 49253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 25.0 | 37.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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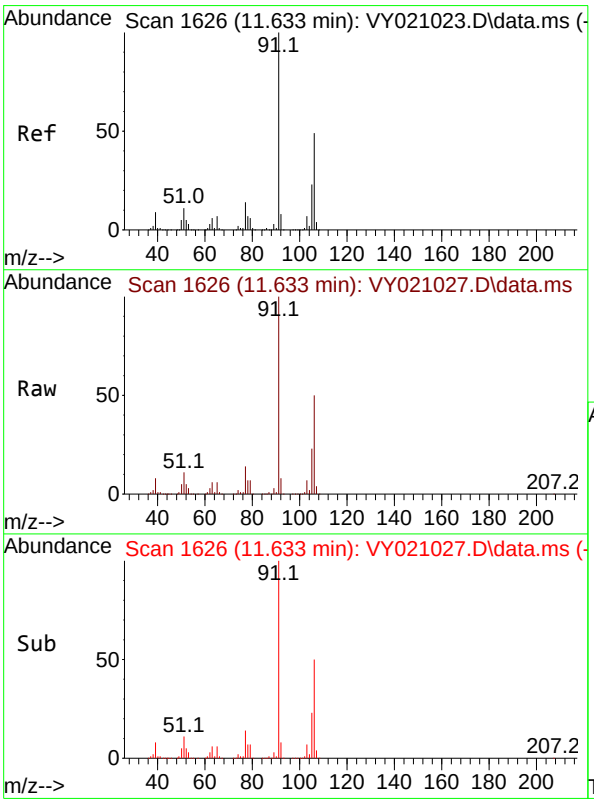
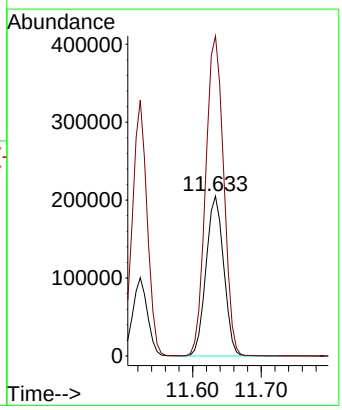
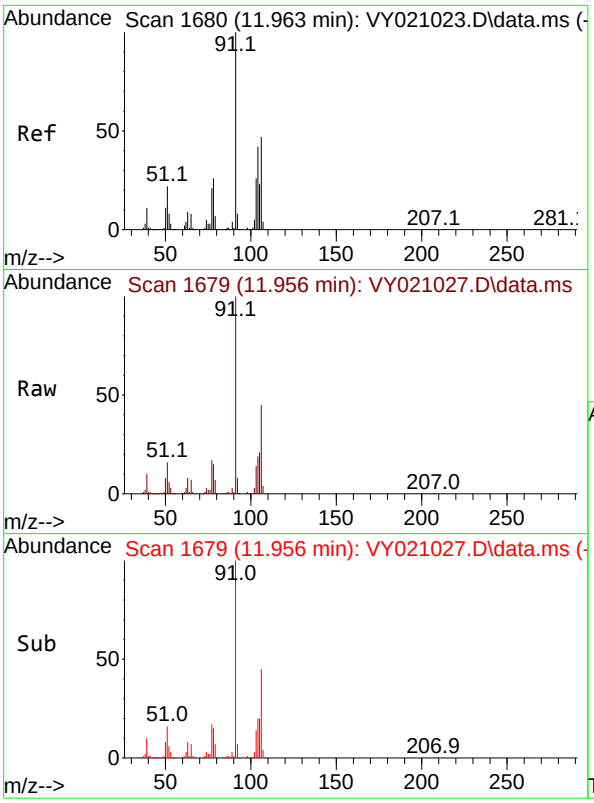



#68
m/p-Xylenes
Concen: 104.978 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:106 Resp: 367445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.0 | 160.7 | 241.1 |

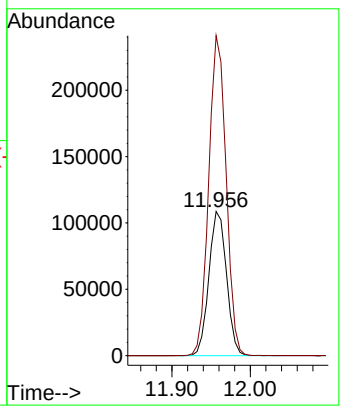





#69
o-Xylene
Concen: 52.062 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:106 Resp: 16989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.5 | 106.5 | 319.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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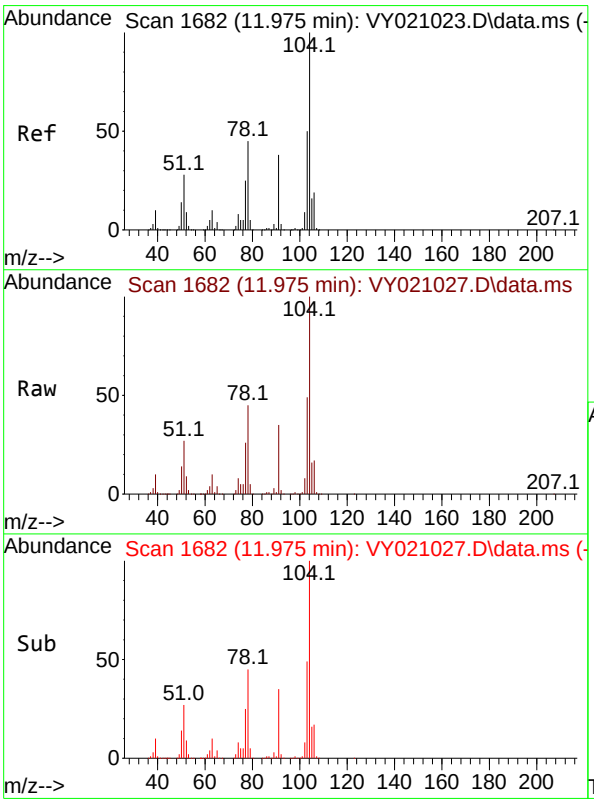
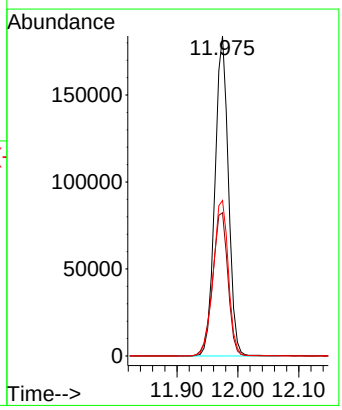
Supervised By :Semsettin Yesilyurt 02/04/2025

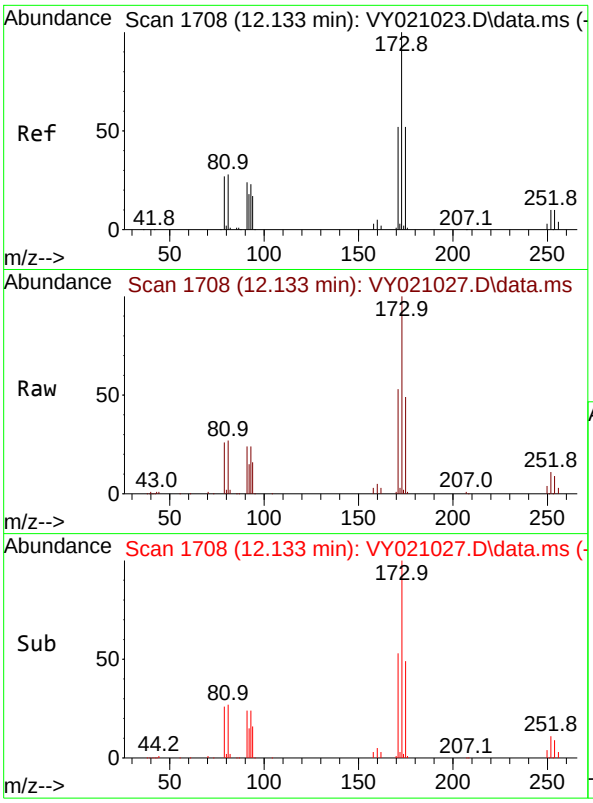



#70
Styrene
Concen: 52.009 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:104 Resp: 282879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.8 | 39.2 | 58.8 |
| 103 | 54.5 | 43.8 | 65.6 |

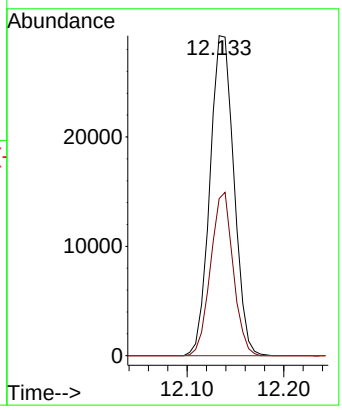





#71
Bromoform
Concen: 48.166 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:173 Resp: 5040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 23.5 | 70.6 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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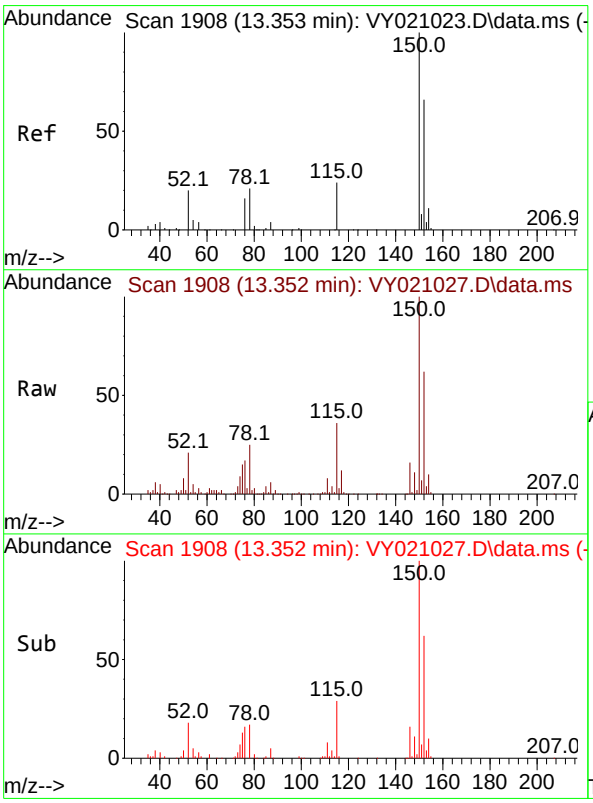
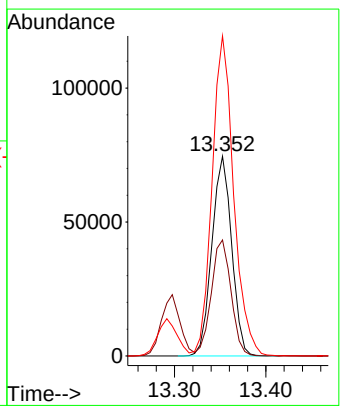
Supervised By :Semsettin Yesilyurt 02/04/2025

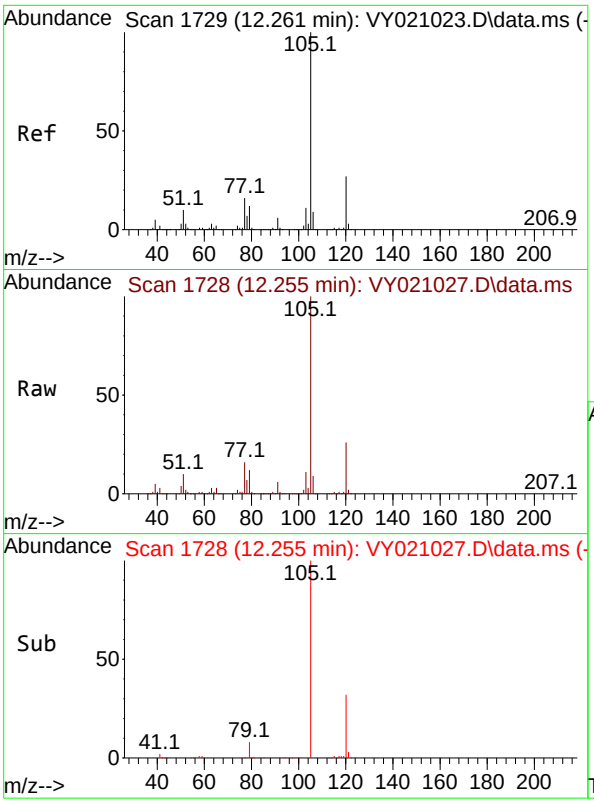



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:152 Resp: 112062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.0 | 30.0 | 90.0 |
| 150 | 175.2 | 0.0 | 344.6 |

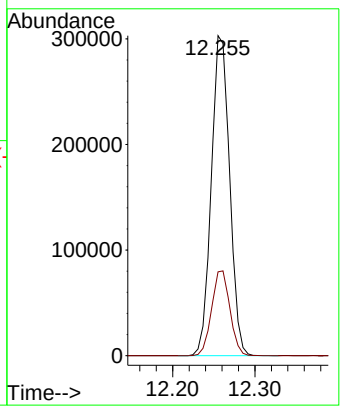





#73
Isopropylbenzene
Concen: 53.377 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 46724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.0 | 39.0 |




**Instrument :**
MSVOA_Y
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ICVVY020325

**Manual Integrations**
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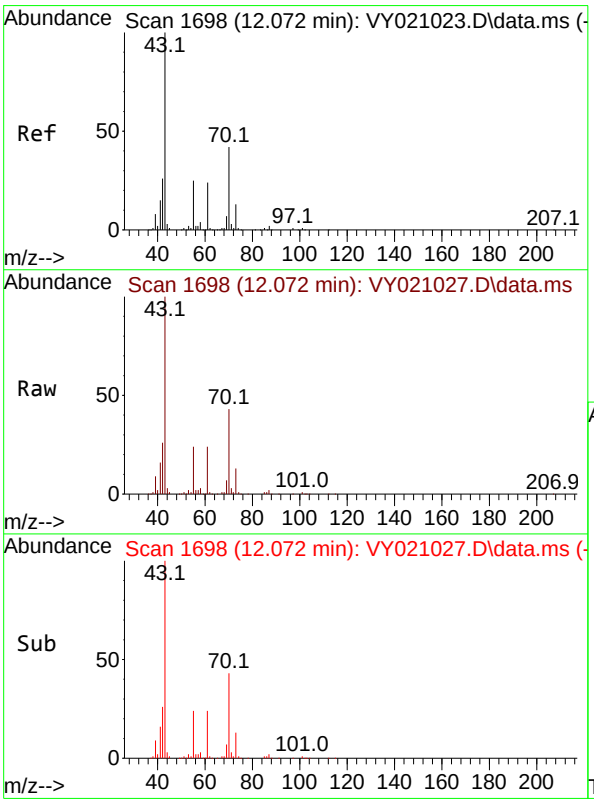
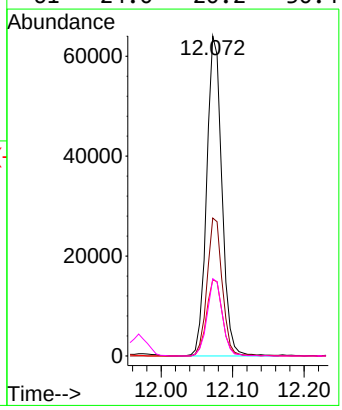
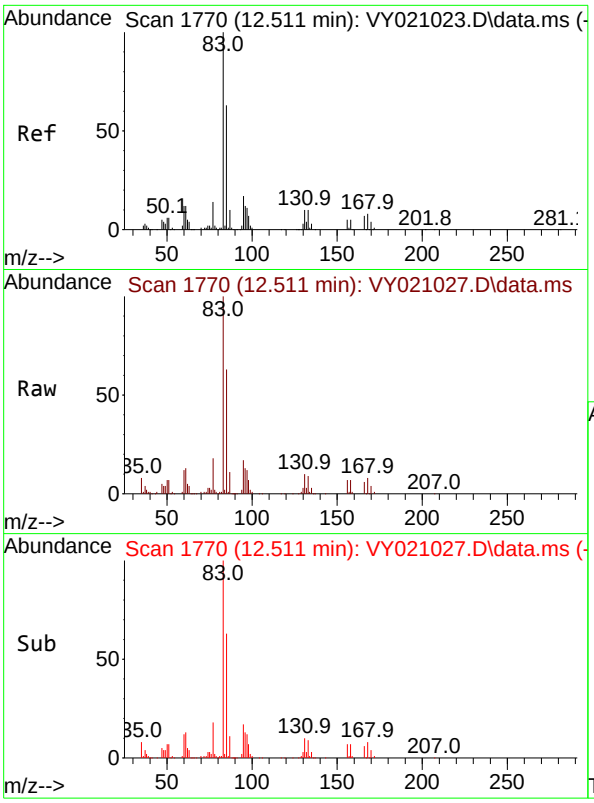



#74
N-amyl acetate
Concen: 49.483 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 94701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.8 | 36.6 | 55.0 |
| 55 | 24.9 | 22.2 | 33.4 |
| 61 | 24.0 | 20.2 | 30.4 |

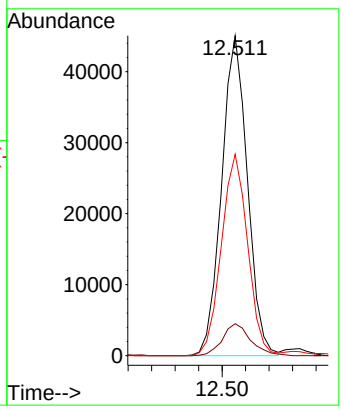





#75
1,1,2,2-Tetrachloroethane
Concen: 47.145 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 6863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 4.9 | 14.6 |
| 85 | 64.0 | 32.6 | 98.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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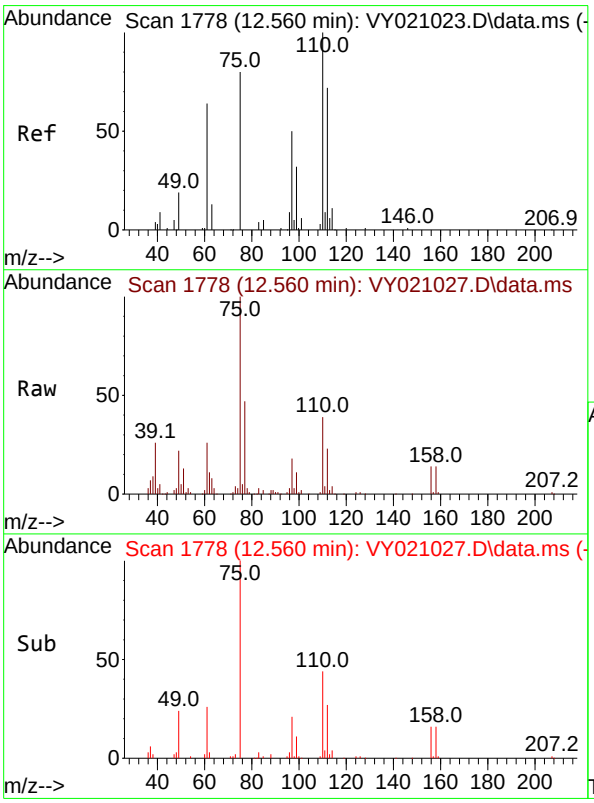
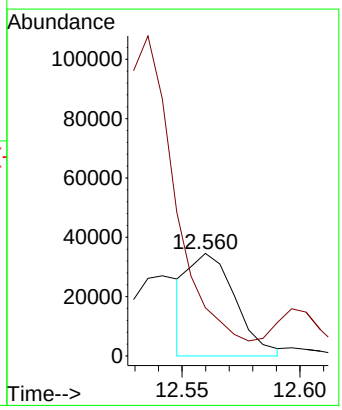
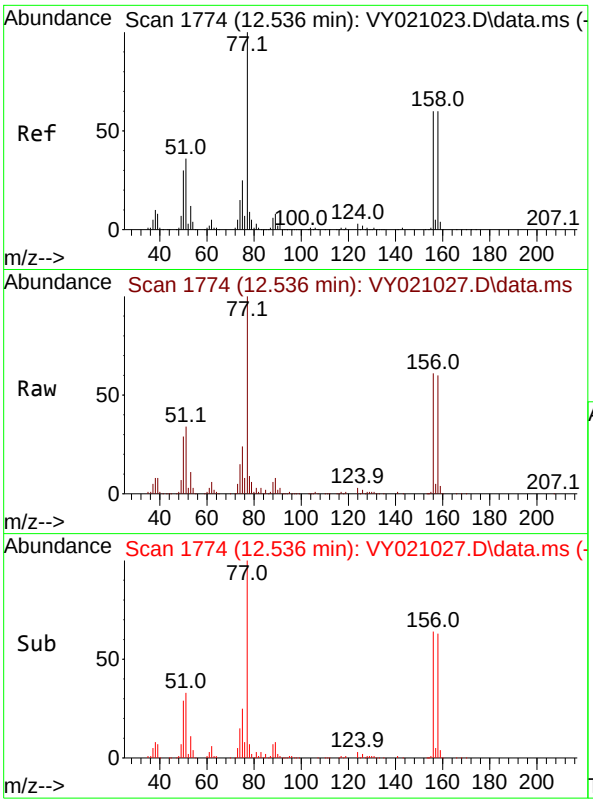



#76
1,2,3-Trichloropropane
Concen: 47.207 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 47988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

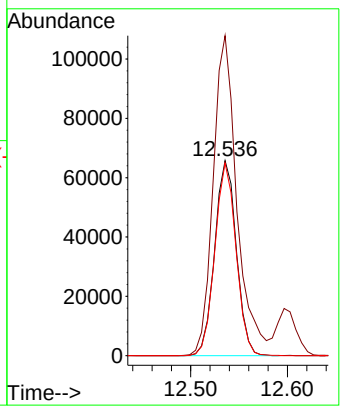





#77
Bromobenzene
Concen: 50.490 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:156 Resp: 10199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 179.9 | 97.3 | 291.8 |
| 158 | 96.9 | 48.4 | 145.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
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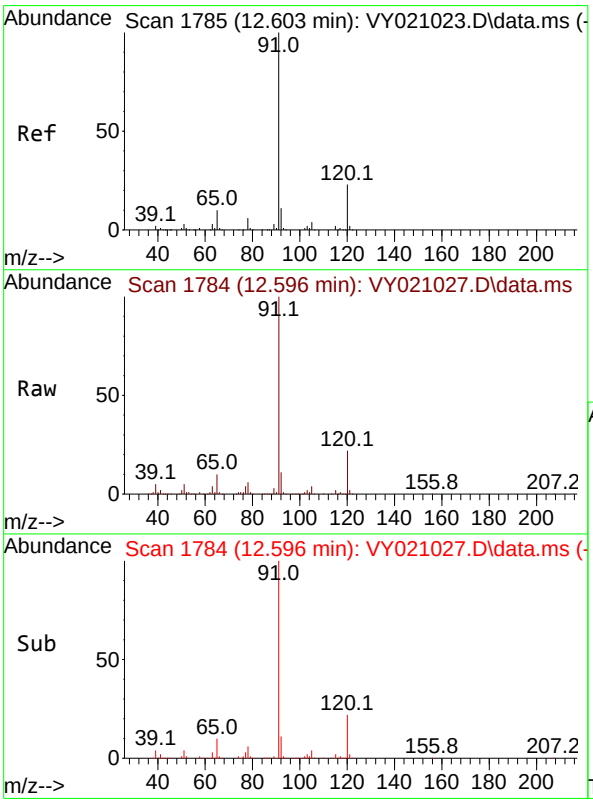
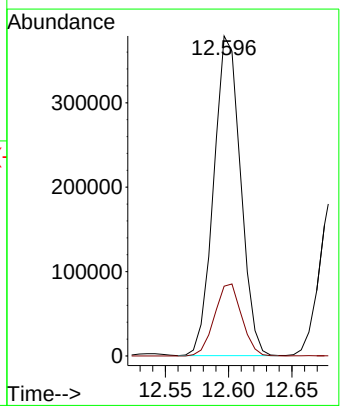
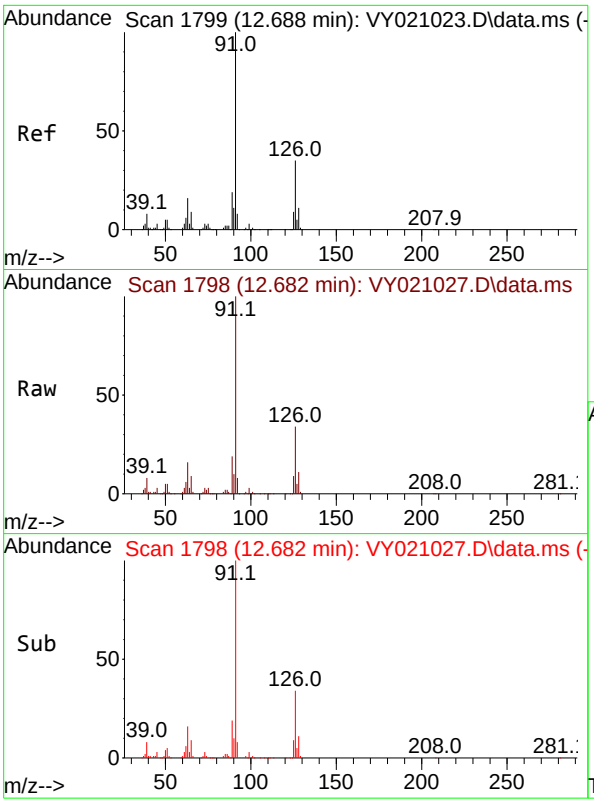



#78
n-propylbenzene
Concen: 53.513 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 558013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.8 | 11.0 | 33.0 |

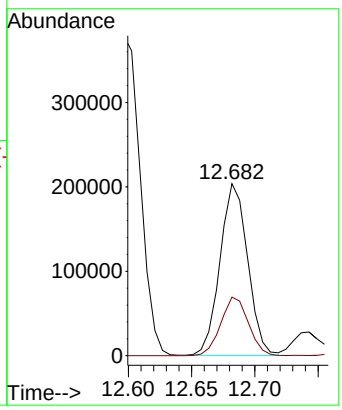





#79
2-Chlorotoluene
Concen: 51.922 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 31009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.1 | 17.0 | 51.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

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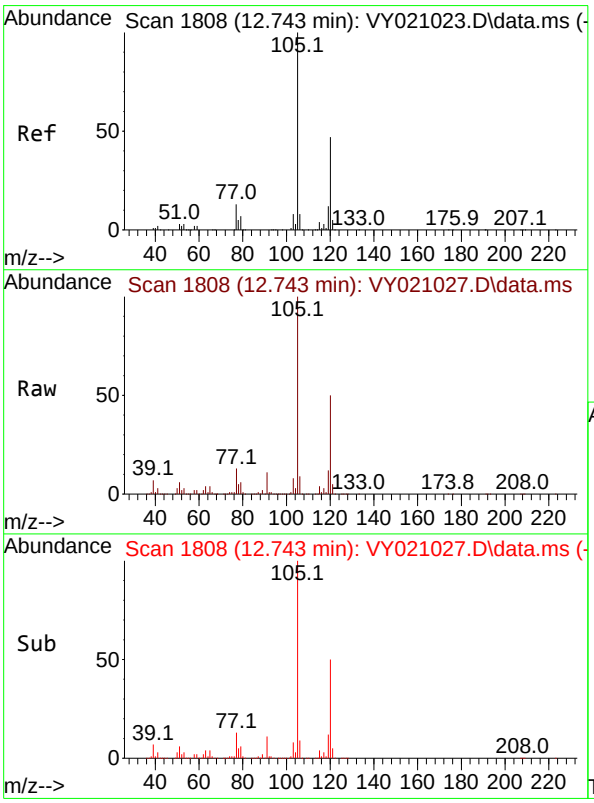
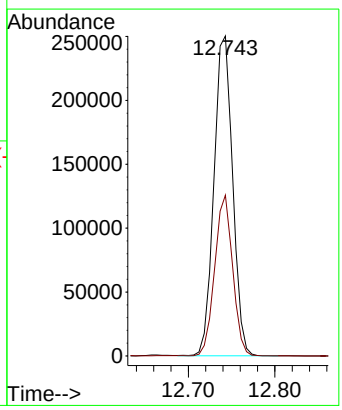
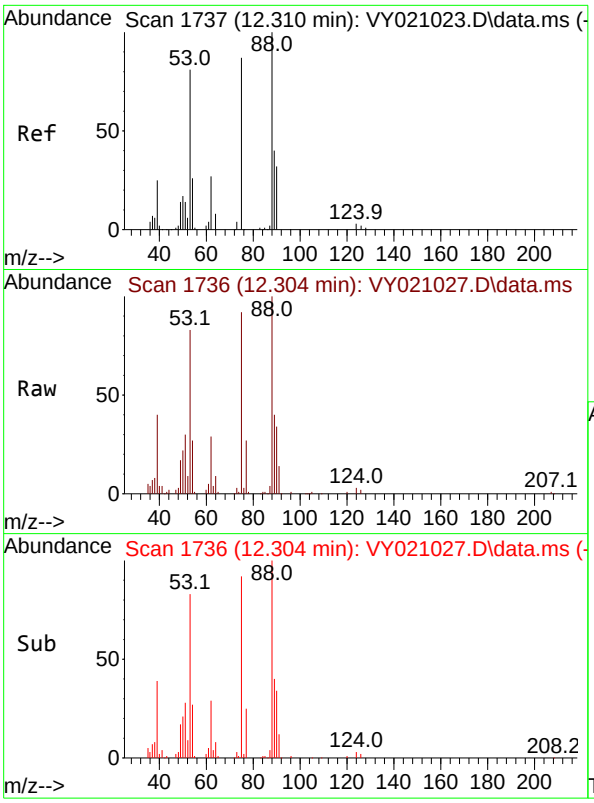



#80
1,3,5-Trimethylbenzene
Concen: 52.840 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 375018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.1 | 24.3 | 72.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 48.841 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

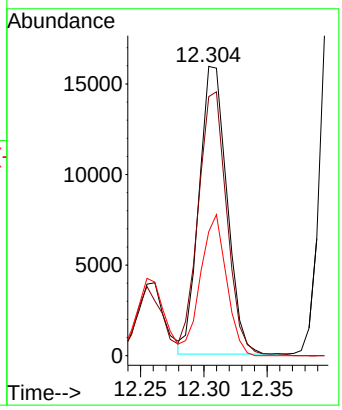
Tgt Ion: 75 Resp: 2433

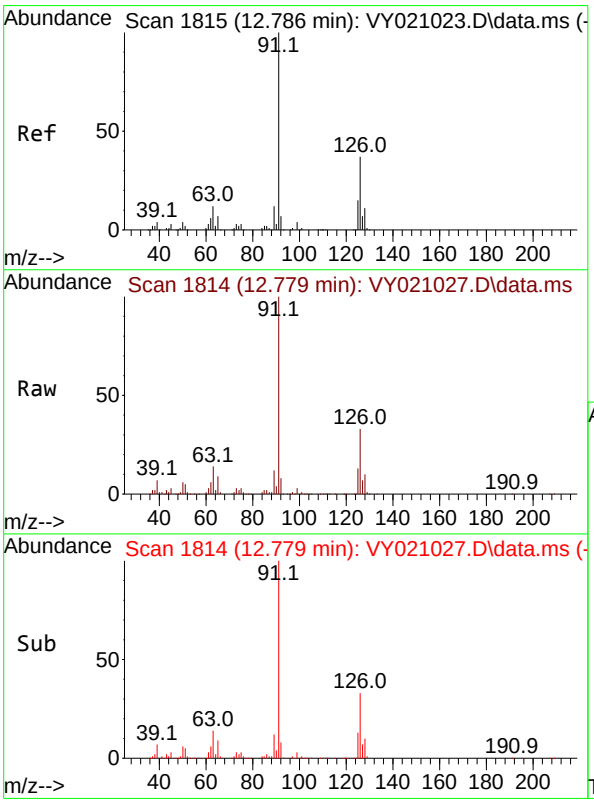
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 94.8 | 74.0 | 111.0 |
| 89 | 45.9 | 36.5 | 54.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

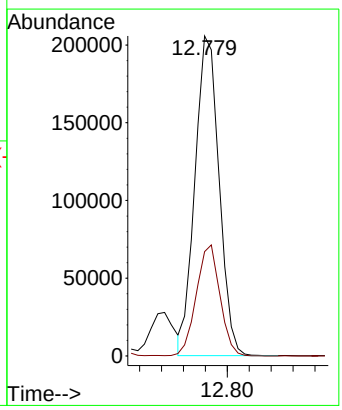


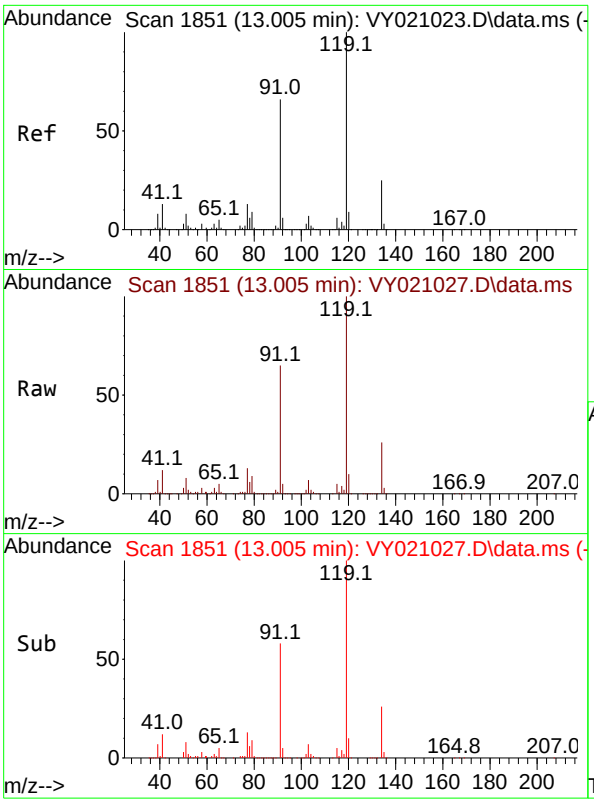




#82
4-Chlorotoluene
Concen: 51.594 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 313949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.3 | 17.1 | 51.2 |

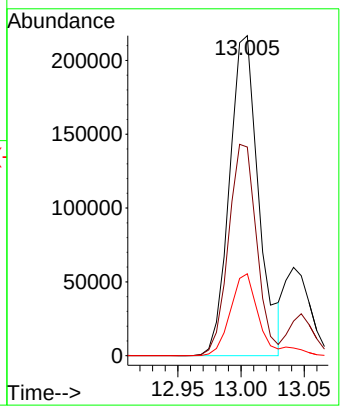





#83
tert-Butylbenzene
Concen: 53.952 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:119 Resp: 34804

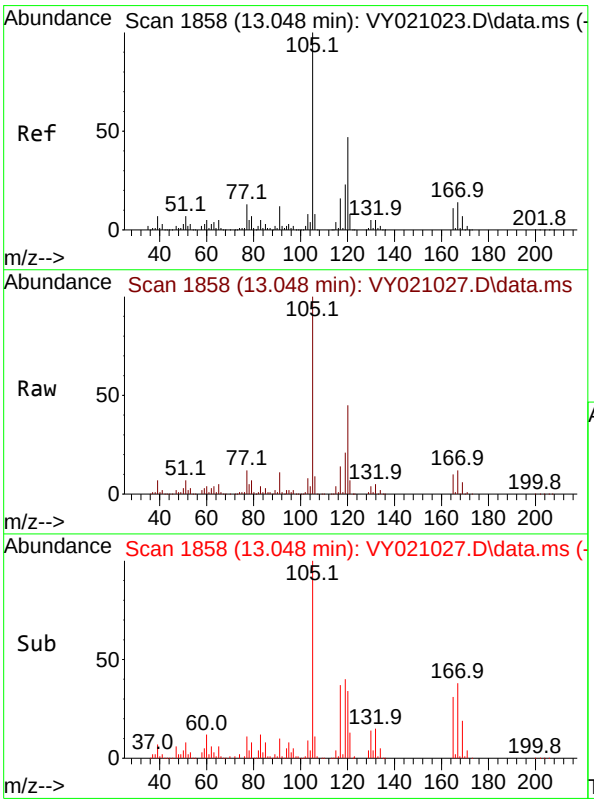
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.9 | 31.5 | 94.5 |
| 134 | 25.9 | 13.1 | 39.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations APPROVED**

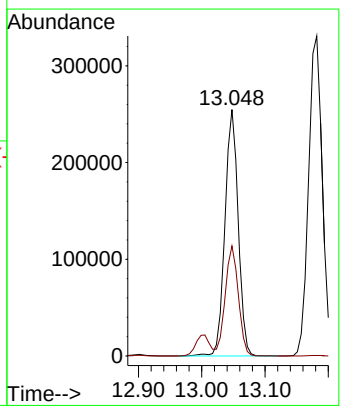
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

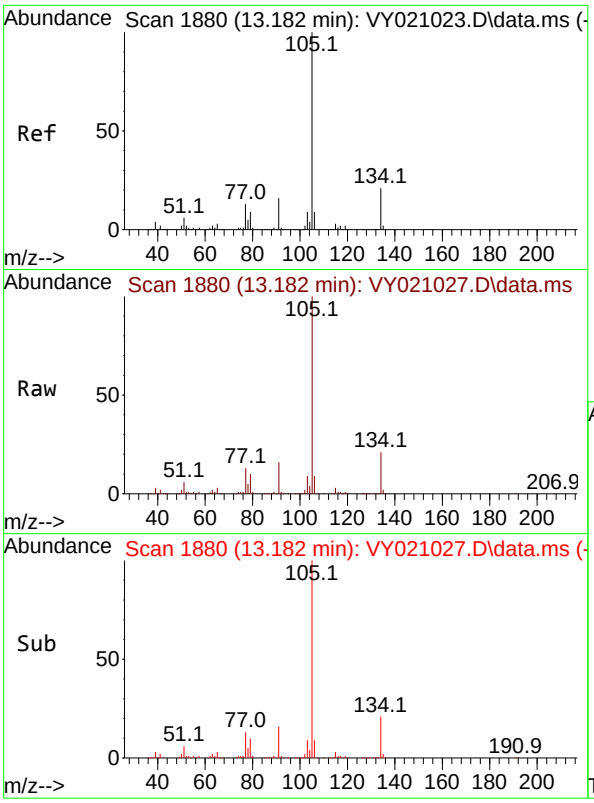



#84
1,2,4-Trimethylbenzene
Concen: 53.370 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 370353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 22.1 | 66.3 |

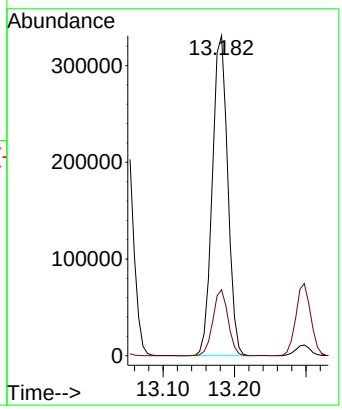





#85
sec-Butylbenzene
Concen: 53.301 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 49495

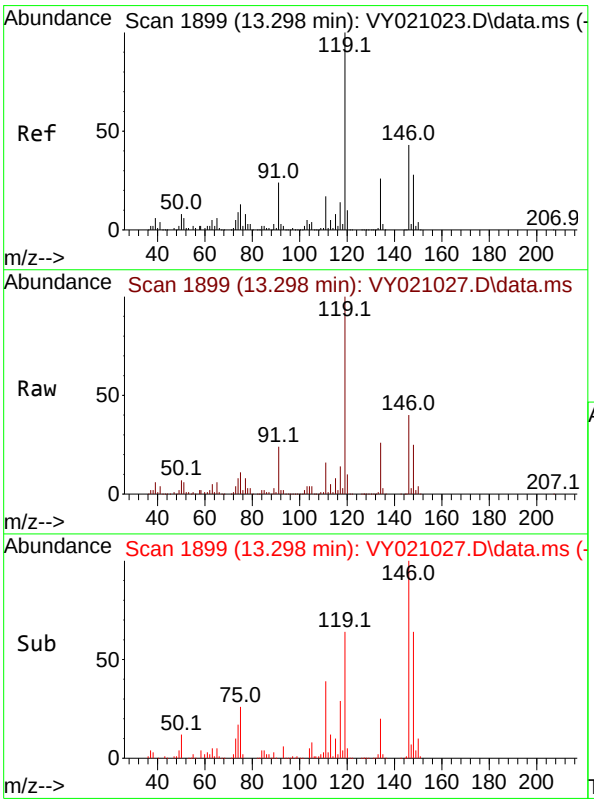
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 9.7 | 28.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
**APPROVED**

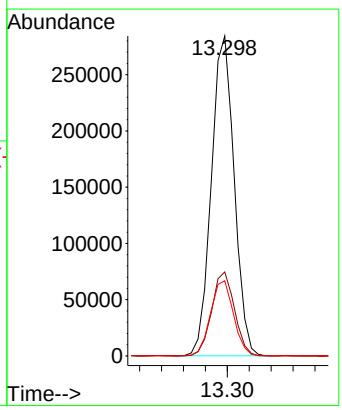
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

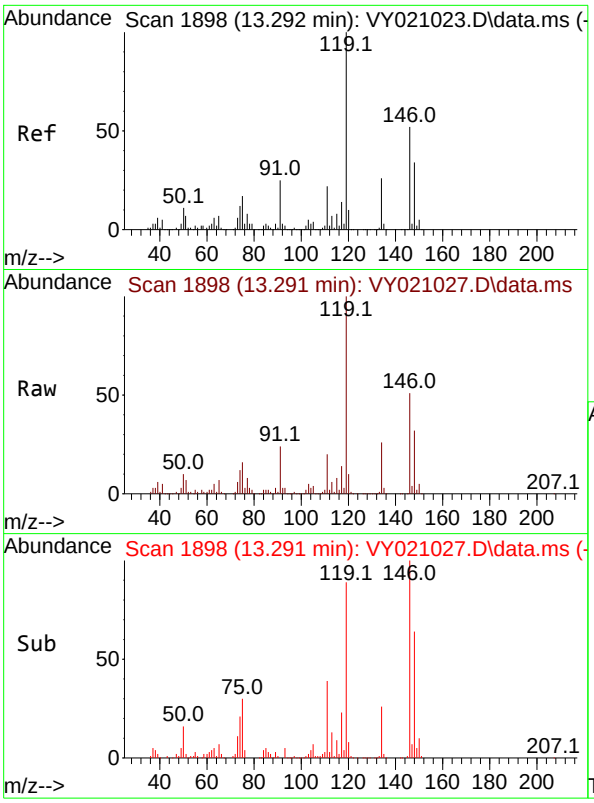



#86
p-Isopropyltoluene
Concen: 53.325 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:119 Resp: 411332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.3 | 13.1 | 39.1 |
| 91 | 23.7 | 11.7 | 35.0 |

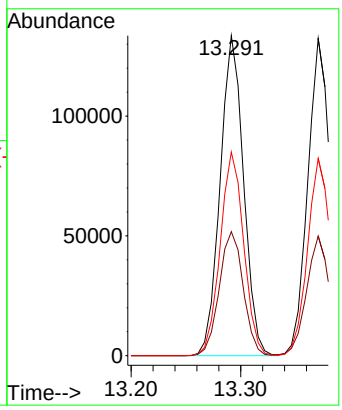





#87
1,3-Dichlorobenzene
Concen: 50.868 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 19840

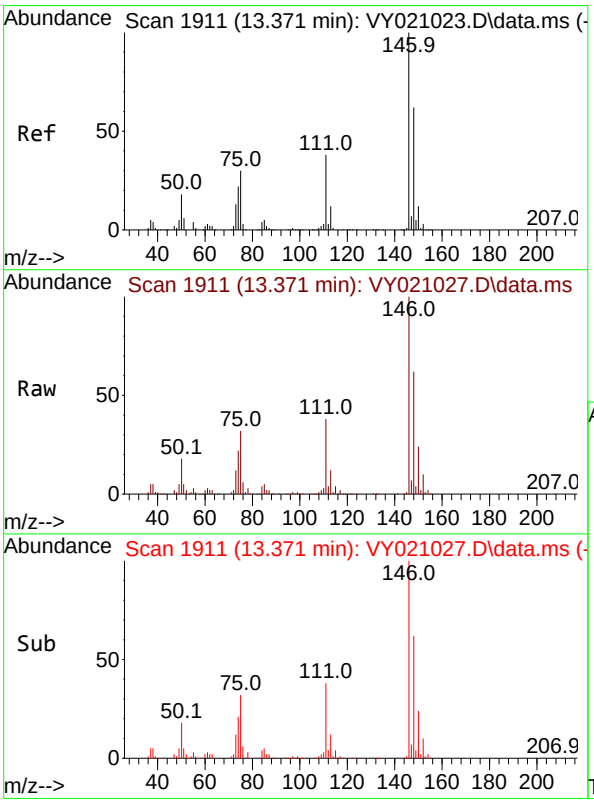
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.7 | 20.2 | 60.5 |
| 148 | 63.8 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
**APPROVED**

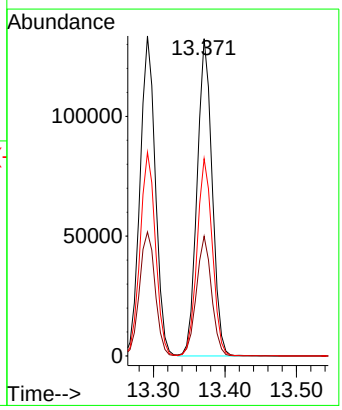
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

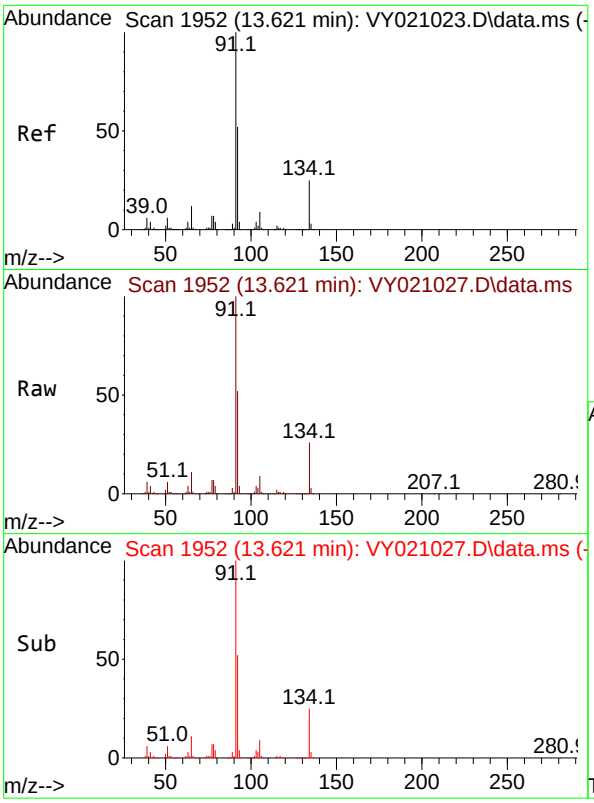



#88
1,4-Dichlorobenzene
Concen: 50.309 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 193207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.1 | 19.3 | 57.9 |
| 148 | 63.4 | 31.6 | 94.7 |

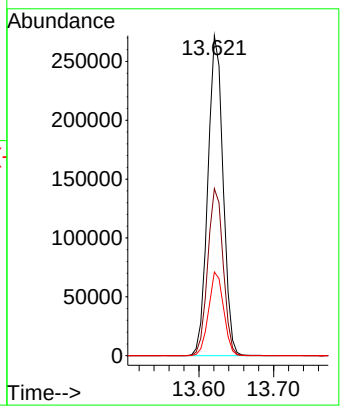





#89
n-Butylbenzene
Concen: 54.636 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 38447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.9 | 26.4 | 79.2 |
| 134 | 25.9 | 12.3 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
**APPROVED**

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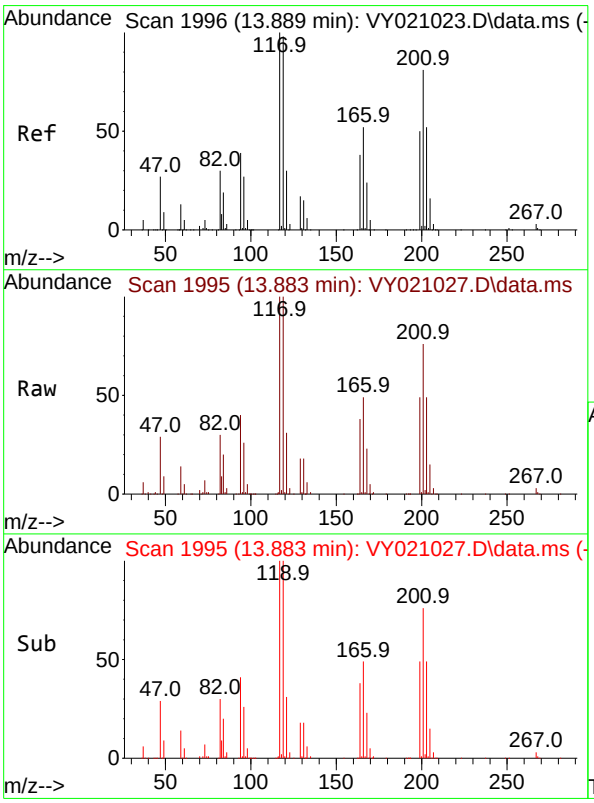
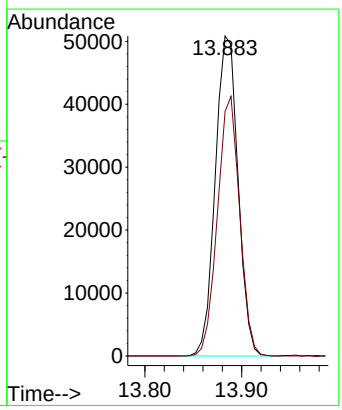
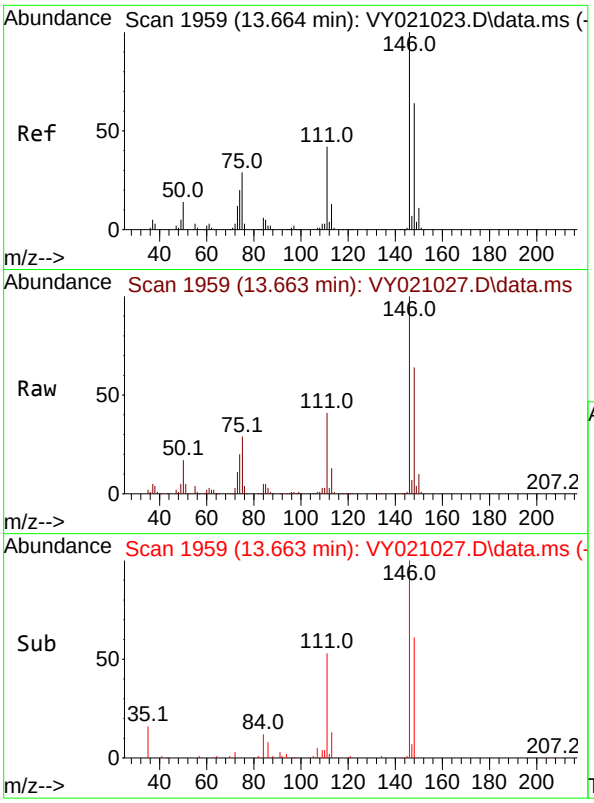



#90
Hexachloroethane
Concen: 51.521 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 82908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 79.2 | 33.4 | 100.1 |

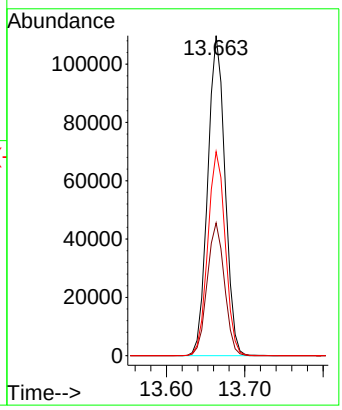





#91
1,2-Dichlorobenzene
Concen: 49.696 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 16823

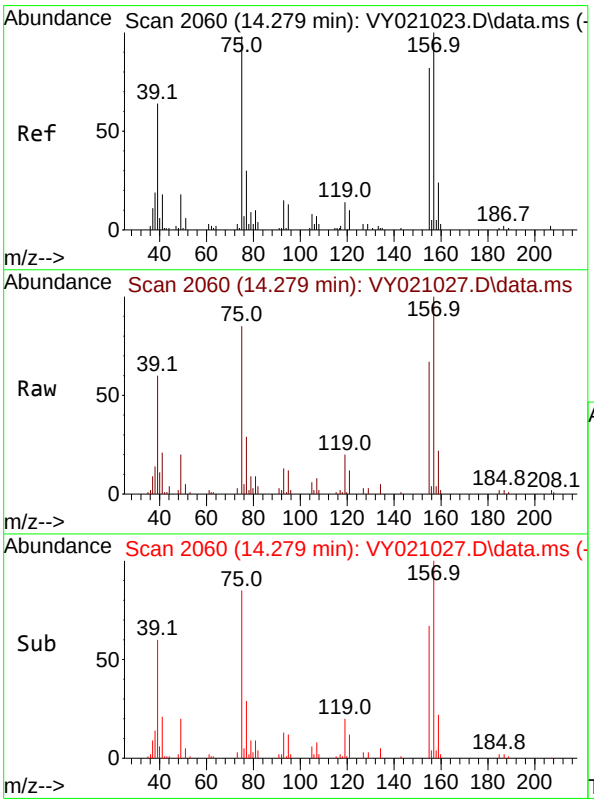
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.5 | 61.6 |
| 148 | 64.3 | 31.4 | 94.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations**
**APPROVED**

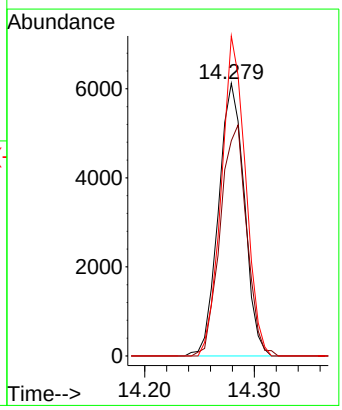
Reviewed By :Mahesh Dadoda 02/04/2025
Supervised By :Semsettin Yesilyurt 02/04/2025

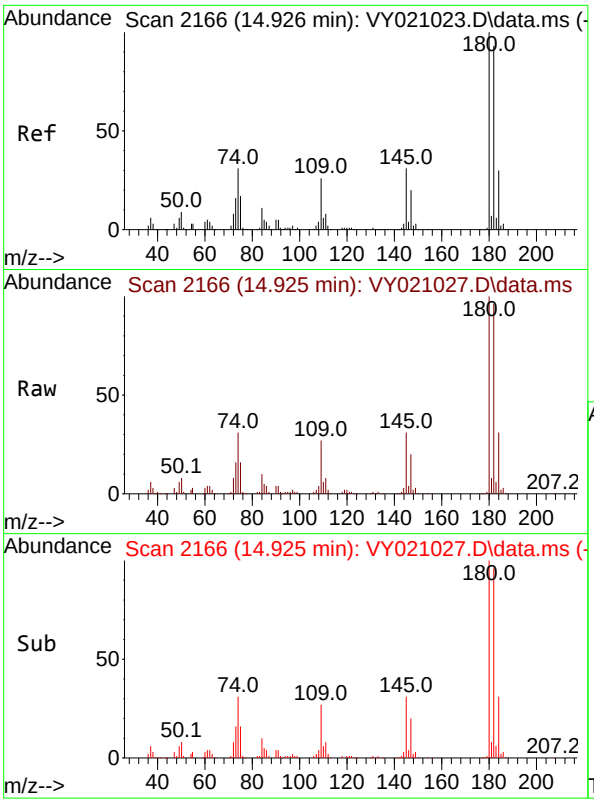



#92
1,2-Dibromo-3-Chloropropane
Concen: 45.965 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 10000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.6 | 42.1 | 126.3 |
| 157 | 109.8 | 55.8 | 167.4 |

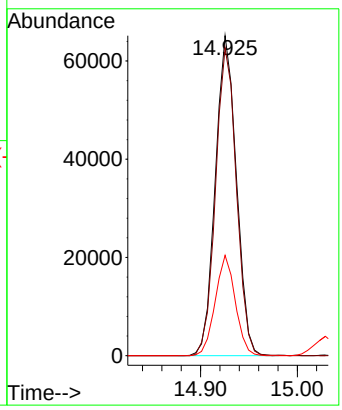





#93
1,2,4-Trichlorobenzene
Concen: 52.224 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:180 Resp: 9840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 47.9 | 143.7 |
| 145 | 29.9 | 15.9 | 47.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 02/04/2025
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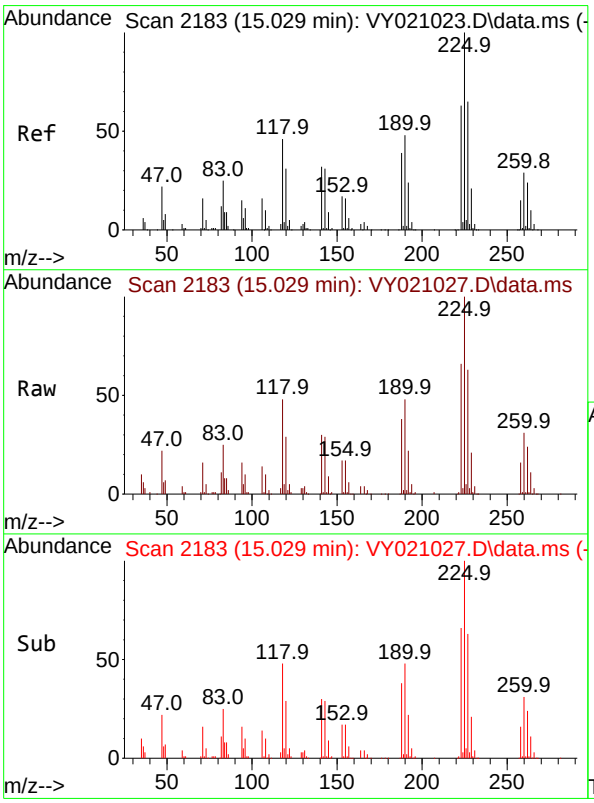
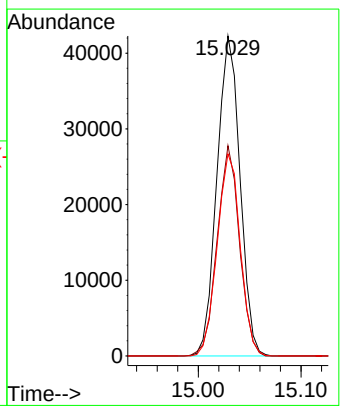
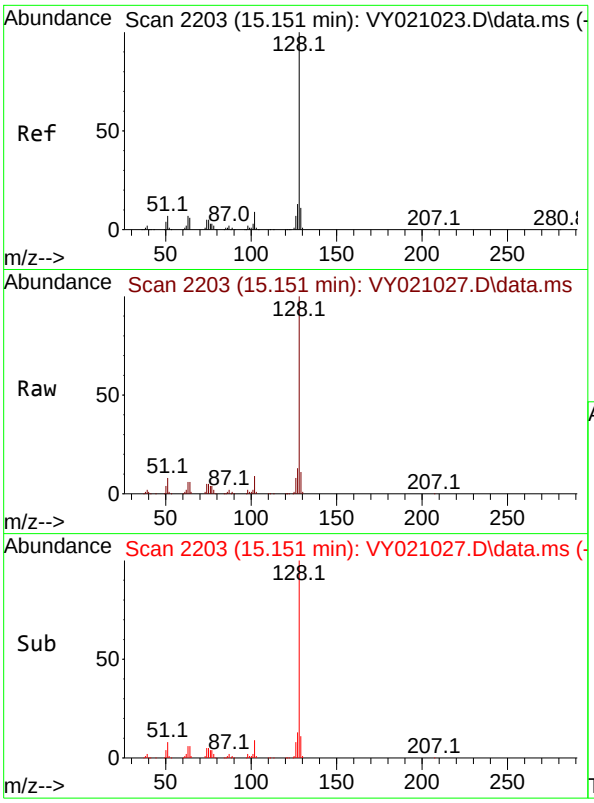



#94
Hexachlorobutadiene
Concen: 52.760 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:225 Resp: 65883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.5 | 31.4 | 94.3 |
| 227 | 63.0 | 32.3 | 96.8 |

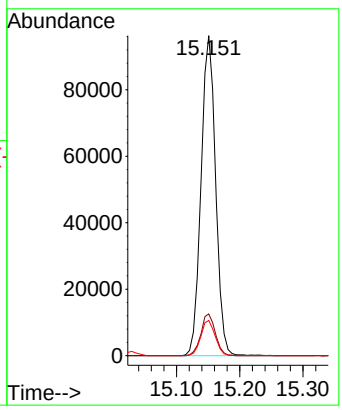





#95
Naphthalene
Concen: 51.245 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:128 Resp: 15449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 12.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

**Manual Integrations APPROVED**

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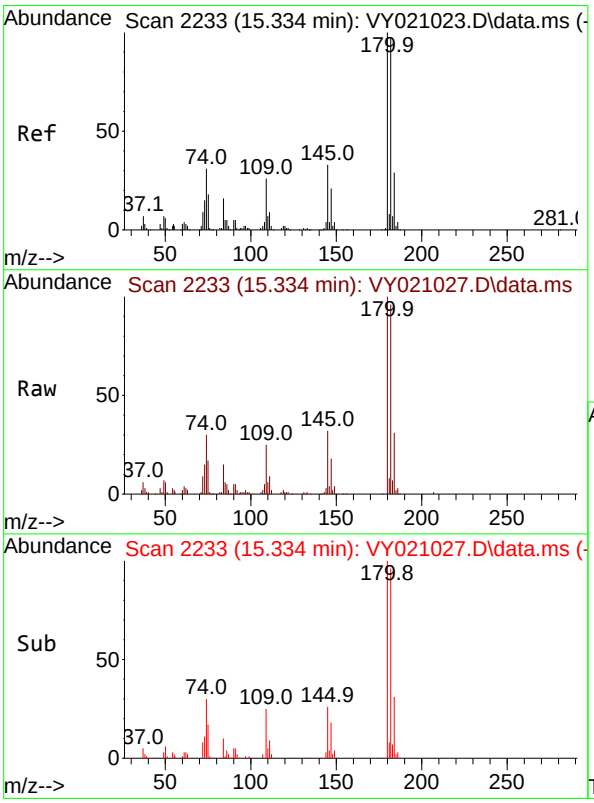
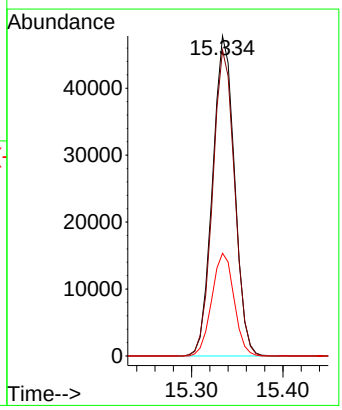



#96
1,2,3-Trichlorobenzene
Concen: 50.882 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:180 Resp: 79793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 46.3 | 138.8 |
| 145 | 32.5 | 16.1 | 48.2 |



# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 101 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.446 | 0.466 | -4.5 | 105 | 0.00 |
| 3 | P | Chloromethane | 0.440 | 0.457 | -3.9 | 109 | 0.00 |
| 4 | C | Vinyl Chloride | 0.443 | 0.452 | -2.0# | 107 | 0.00 |
| 5 | T | Bromomethane | 0.274 | 0.288 | -5.1 | 112 | 0.00 |
| 6 | T | Chloroethane | 0.263 | 0.263 | 0.0 | 104 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.806 | 0.836 | -3.7 | 107 | 0.00 |
| 8 | T | Diethyl Ether | 0.252 | 0.235 | 6.7 | 98 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.506 | 0.521 | -3.0 | 106 | 0.00 |
| 10 | T | Methyl Iodide | 0.562 | 0.549 | 2.3 | 94 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.035 | 0.030 | 14.3 | 94 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.477 | 0.494 | -3.6# | 106 | 0.00 |
| 13 | T | Acrolein | 0.053 | 0.050 | 5.7 | 97 | 0.00 |
| 14 | T | Allyl chloride | 0.803 | 0.814 | -1.4 | 102 | 0.00 |
| 15 | T | Acrylonitrile | 0.105 | 0.097 | 7.6 | 91 | 0.00 |
| 16 | T | Acetone | 0.080 | 0.078 | 2.5 | 101 | -0.01 |
| 17 | T | Carbon Disulfide | 1.495 | 1.555 | -4.0 | 106 | 0.00 |
| 18 | T | Methyl Acetate | 0.280 | 0.258 | 7.9 | 90 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.205 | 1.146 | 4.9 | 95 | 0.00 |
| 20 | T | Methylene Chloride | 0.497 | 0.491 | 1.2 | 102 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.525 | 0.530 | -1.0 | 102 | 0.00 |
| 22 | T | Diisopropyl ether | 1.656 | 1.636 | 1.2 | 99 | 0.00 |
| 23 | T | Vinyl Acetate | 0.923 | 0.880 | 4.7 | 93 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.970 | 0.967 | 0.3 | 103 | 0.00 |
| 25 | T | 2-Butanone | 0.131 | 0.123 | 6.1 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.898 | 0.912 | -1.6 | 105 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.604 | 0.601 | 0.5 | 101 | 0.00 |
| 28 | T | Bromochloromethane | 0.384 | 0.420 | -9.4 | 102 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.089 | 0.081 | 9.0 | 89 | 0.00 |
| 30 | C | Chloroform | 0.997 | 0.974 | 2.3# | 100 | 0.00 |
| 31 | T | Cyclohexane | 0.874 | 0.875 | -0.1 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.927 | 0.938 | -1.2 | 103 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.512 | 0.559 | -9.2 | 112 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.320 | 0.370 | -15.6 | 116 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.475 | 0.500 | -5.3 | 106 | 0.00 |
| 37 | T | Ethyl Acetate | 0.208 | 0.196 | 5.8 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.555 | 0.574 | -3.4 | 103 | 0.00 |
| 39 | T | Methylcyclohexane | 0.581 | 0.628 | -8.1 | 105 | 0.00 |
| 40 | TM | Benzene | 1.393 | 1.422 | -2.1 | 101 | 0.00 |
| 41 | T | Methacrylonitrile | 0.120 | 0.104 | 13.3 | 92 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.386 | 0.370 | 4.1 | 96 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.414 | 0.393 | 5.1 | 92 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.365 | -1.4 | 103 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.331 | 0.328 | 0.9# | 99 | 0.00 |
| 46 | T | Dibromomethane | 0.183 | 0.172 | 6.0 | 93 | 0.00 |
| 47 | T | Bromodichloromethane | 0.491 | 0.479 | 2.4 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 0.188 | 0.187 | 0.5 | 96 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 0.002 | 0.002 | 0.0 | 96 | 0.00 |
| 50 | S | Toluene-d8 | 1.220 | 1.463 | -19.9 | 120 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.208 | 0.197 | 5.3 | 90 | 0.00 |
| 52 | CM | Toluene | 0.875 | 0.894 | -2.2# | 100 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.441 | 0.440 | 0.2 | 96 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.522 | 0.528 | -1.1 | 99 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.237 | 0.222 | 6.3 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.317 | 0.311 | 1.9 | 91 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.410 | 0.394 | 3.9 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.151 | 0.152 | -0.7 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 0.134 | 0.128 | 4.5 | 88 | 0.00 |
| 60 | T | Dibromochloromethane | 0.333 | 0.320 | 3.9 | 96 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.222 | 0.210 | 5.4 | 92 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.399 | 0.470 | -17.8 | 115 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 64 | T | Tetrachloroethene | 0.371 | 0.389 | -4.9 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 1.113 | 1.130 | -1.5 | 99 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.396 | 0.398 | -0.5 | 99 | 0.00 |
| 67 | C | Ethyl Benzene | 1.969 | 2.073 | -5.3# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 0.737 | 0.773 | -4.9 | 100 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.715 | -4.1 | 100 | 0.00 |
| 70 | T | Styrene | 1.145 | 1.191 | -4.0 | 98 | 0.00 |
| 71 | P | Bromoform | 0.220 | 0.212 | 3.6 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 73 | T | Isopropylbenzene | 3.906 | 4.170 | -6.8 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 0.854 | 0.845 | 1.1 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.650 | 0.612 | 5.8 | 90 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.454 | 0.428 | 5.7 | 86 | 0.00 |
| 77 | T | Bromobenzene | 0.901 | 0.910 | -1.0 | 98 | 0.00 |
| 78 | T | n-propylbenzene | 4.653 | 4.980 | -7.0 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.665 | 2.767 | -3.8 | 99 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.167 | 3.347 | -5.7 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.222 | 0.217 | 2.3 | 90 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.715 | 2.802 | -3.2 | 99 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.878 | 3.106 | -7.9 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.096 | 3.305 | -6.8 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.143 | 4.417 | -6.6 | 101 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.442 | 3.671 | -6.7 | 99 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.740 | 1.770 | -1.7 | 97 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.714 | 1.724 | -0.6 | 96 | 0.00 |
| 89 | T | n-Butylbenzene | 3.140 | 3.431 | -9.3 | 101 | 0.00 |
| 90 | T | Hexachloroethane | 0.718 | 0.740 | -3.1 | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.510 | 1.501 | 0.6 | 95 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.097 | 0.089 | 8.2 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.841 | 0.878 | -4.4 | 93 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.557 | 0.588 | -5.6 | 98 | 0.00 |
| 95 | T | Naphthalene | 1.345 | 1.379 | -2.5 | 86 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 0.700 | 0.712 | -1.7 | 90 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 101 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 52.290 | -4.6 | 105 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.006 | -4.0 | 109 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.058 | -2.1# | 107 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 52.624 | -5.2 | 112 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.925 | 0.2 | 104 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.864 | -3.7 | 107 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.708 | 6.6 | 98 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.507 | -3.0 | 106 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.858 | 2.3 | 94 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 214.161 | 14.3 | 94 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.810 | -3.6# | 106 | 0.00 |
| 13 | T | Acrolein | 250.000 | 235.305 | 5.9 | 97 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.663 | -1.3 | 102 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 230.328 | 7.9 | 91 | 0.00 |
| 16 | T | Acetone | 250.000 | 243.997 | 2.4 | 101 | -0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 52.004 | -4.0 | 106 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 46.031 | 7.9 | 90 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 47.538 | 4.9 | 95 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 49.414 | 1.2 | 102 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.506 | -1.0 | 102 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.407 | 1.2 | 99 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 238.370 | 4.7 | 93 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.806 | 0.4 | 103 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 233.503 | 6.6 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.791 | -1.6 | 105 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.785 | 0.4 | 101 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 54.731 | -9.5 | 102 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 228.139 | 8.7 | 89 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.846 | 2.3# | 100 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 50.051 | -0.1 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.620 | -1.2 | 103 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.604 | -9.2 | 112 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 57.790 | -15.6 | 116 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 52.625 | -5.3 | 106 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.006 | 6.0 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.711 | -3.4 | 103 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 54.123 | -8.2 | 105 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.052 | -2.1 | 101 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 43.131 | 13.7 | 92 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.910 | 4.2 | 96 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 47.523 | 5.0 | 92 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.777 | -1.6 | 103 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.666 | 0.7# | 99 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 46.914 | 6.2 | 93 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.799 | 2.4 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.560 | 0.9 | 96 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 1001.398 | -0.1 | 96 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 59.966 | -19.9 | 120 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 236.615 | 5.4 | 90 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.135 | -2.3# | 100 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.950 | 0.1 | 96 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.550 | -1.1 | 99 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 46.820 | 6.4 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.082 | 1.8 | 91 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 47.980 | 4.0 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 251.852 | -0.7 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 239.750 | 4.1 | 88 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.123 | 3.8 | 96 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 47.325 | 5.3 | 92 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 58.919 | -17.8 | 115 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 52.446 | -4.9 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.766 | -1.5 | 99 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.356 | -0.7 | 99 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.642 | -5.3# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.978 | -5.0 | 100 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.062 | -4.1 | 100 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.009 | -4.0 | 98 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.166 | 3.7 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.377 | -6.8 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.483 | 1.0 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 47.145 | 5.7 | 90 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.207 | 5.6 | 86 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.490 | -1.0 | 98 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.513 | -7.0 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.922 | -3.8 | 99 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.840 | -5.7 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 48.841 | 2.3 | 90 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.594 | -3.2 | 99 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.952 | -7.9 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.370 | -6.7 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.301 | -6.6 | 101 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.325 | -6.7 | 99 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.868 | -1.7 | 97 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.309 | -0.6 | 96 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.636 | -9.3 | 101 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.521 | -3.0 | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.696 | 0.6 | 95 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.965 | 8.1 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.224 | -4.4 | 93 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 52.760 | -5.5 | 98 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.245 | -2.5 | 86 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 50.882 | -1.8 | 90 | 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Calibration Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021309.D RRF010 = VY021310.D RRF020 = VY021311.D
RRF050 = VY021312.D RRF150 = VY021314.D RRF100 = VY021316.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF150 | RRF100 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.510 | 0.484 | 0.431 | 0.493 | 0.480 | 0.447 | 0.474 | 6.2 |
| Chloromethane | 0.709 | 0.628 | 0.566 | 0.602 | 0.597 | 0.570 | 0.612 | 8.6 |
| Vinyl Chloride | 0.648 | 0.591 | 0.554 | 0.627 | 0.606 | 0.580 | 0.601 | 5.6 |
| Bromomethane | 0.505 | 0.414 | 0.361 | 0.387 | 0.371 | 0.359 | 0.399 | 13.9 |
| Chloroethane | 0.414 | 0.365 | 0.347 | 0.390 | 0.365 | 0.355 | 0.373 | 6.7 |
| Tetrahydrofuran | 0.105 | 0.100 | 0.106 | 0.115 | 0.114 | 0.104 | 0.107 | 5.4 |
| Trichlorofluoromethane | 0.976 | 0.915 | 0.838 | 0.936 | 0.909 | 0.870 | 0.908 | 5.3 |
| 1,1,2-Trichlorotrifluoroethane | 0.546 | 0.529 | 0.491 | 0.537 | 0.541 | 0.508 | 0.525 | 4.1 |
| 1,1-Dichloroethene | 0.545 | 0.489 | 0.462 | 0.515 | 0.518 | 0.490 | 0.503 | 5.7 |
| Acrylonitrile | 0.122 | 0.115 | 0.116 | 0.127 | 0.127 | 0.115 | 0.120 | 5 |
| Acetone | 0.122 | 0.102 | 0.094 | 0.128 | 0.104 | 0.103 | 0.109 | 11.9 |
| Carbon Disulfide | 1.800 | 1.652 | 1.540 | 1.734 | 1.678 | 1.620 | 1.671 | 5.4 |
| Methyl tert-butyl Ether | 1.312 | 1.268 | 1.267 | 1.410 | 1.410 | 1.307 | 1.329 | 4.9 |
| Methylene Chloride | 0.733 | 0.598 | 0.539 | 0.585 | 0.547 | 0.529 | 0.588 | 12.8 |
| trans-1,2-Dichloroethene | 0.589 | 0.536 | 0.507 | 0.573 | 0.570 | 0.547 | 0.554 | 5.4 |
| 1,1-Dichloroethane | 1.101 | 1.032 | 0.961 | 1.083 | 1.058 | 1.007 | 1.040 | 4.9 |
| 2-Butanone | 0.162 | 0.155 | 0.156 | 0.183 | 0.171 | 0.159 | 0.164 | 6.5 |
| Carbon Tetrachloride | 0.567 | 0.562 | 0.509 | 0.581 | 0.567 | 0.535 | 0.554 | 4.8 |
| 2,2-Dichloropropane | 1.036 | 0.939 | 0.845 | 0.972 | 0.952 | 0.920 | 0.944 | 6.6 |
| cis-1,2-Dichloroethene | 0.649 | 0.610 | 0.588 | 0.665 | 0.656 | 0.626 | 0.632 | 4.7 |
| Chloroform | 1.128 | 1.046 | 0.977 | 1.095 | 1.062 | 1.017 | 1.054 | 5.1 |
| 1,1,1-Trichloroethane | 1.020 | 0.956 | 0.889 | 0.986 | 0.979 | 0.927 | 0.960 | 4.8 |
| 1,1-Dichloropropene | 0.508 | 0.487 | 0.460 | 0.516 | 0.505 | 0.478 | 0.492 | 4.3 |
| Benzene | 1.515 | 1.445 | 1.359 | 1.533 | 1.472 | 1.409 | 1.456 | 4.5 |
| 1,2-Dichloroethane | 0.422 | 0.417 | 0.393 | 0.434 | 0.419 | 0.394 | 0.413 | 3.9 |
| Trichloroethene | 0.375 | 0.360 | 0.341 | 0.382 | 0.375 | 0.354 | 0.364 | 4.3 |
| 1,2-Dichloropropane | 0.360 | 0.350 | 0.329 | 0.371 | 0.357 | 0.336 | 0.350 | 4.5 |
| Dibromomethane | 0.192 | 0.189 | 0.183 | 0.203 | 0.199 | 0.184 | 0.191 | 4.2 |
| Bromodichloromethane | 0.519 | 0.503 | 0.477 | 0.541 | 0.528 | 0.495 | 0.511 | 4.5 |
| 4-Methyl-2-Pentanone | 0.220 | 0.227 | 0.239 | 0.267 | 0.264 | 0.238 | 0.243 | 7.9 |

* 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
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Fax : 908 789 8922

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Calibration Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021309.D RRF010 = VY021310.D RRF020 = VY021311.D
RRF050 = VY021312.D RRF150 = VY021314.D RRF100 = VY021316.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF150 | RRF100 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Toluene | 0.887 | 0.888 | 0.852 | 0.965 | 0.936 | 0.897 | 0.904 | 4.4 |
| t-1,3-Dichloropropene | 0.438 | 0.436 | 0.434 | 0.515 | 0.509 | 0.474 | 0.468 | 8 |
| cis-1,3-Dichloropropene | 0.541 | 0.526 | 0.528 | 0.591 | 0.581 | 0.546 | 0.552 | 5 |
| 1,1,2-Trichloroethane | 0.250 | 0.251 | 0.238 | 0.267 | 0.254 | 0.237 | 0.249 | 4.4 |
| 1,3-Dichloropropane | 0.427 | 0.428 | 0.422 | 0.469 | 0.454 | 0.426 | 0.438 | 4.4 |
| 2-Hexanone | 0.133 | 0.146 | 0.155 | 0.183 | 0.178 | 0.162 | 0.159 | 11.9 |
| Dibromochloromethane | 0.340 | 0.325 | 0.322 | 0.368 | 0.352 | 0.332 | 0.340 | 5.2 |
| 1,2-Dibromoethane | 0.234 | 0.231 | 0.226 | 0.254 | 0.245 | 0.227 | 0.236 | 4.7 |
| Tetrachloroethene | 0.405 | 0.380 | 0.351 | 0.389 | 0.386 | 0.355 | 0.378 | 5.5 |
| Chlorobenzene | 1.171 | 1.111 | 1.039 | 1.176 | 1.159 | 1.078 | 1.122 | 5 |
| 1,1,1,2-Tetrachloroethane | 0.396 | 0.401 | 0.362 | 0.414 | 0.404 | 0.381 | 0.393 | 4.7 |
| Ethyl Benzene | 1.938 | 1.941 | 1.826 | 2.130 | 2.115 | 1.979 | 1.988 | 5.8 |
| m/p-Xylenes | 0.735 | 0.738 | 0.696 | 0.802 | 0.783 | 0.733 | 0.748 | 5.1 |
| o-Xylene | 0.689 | 0.675 | 0.648 | 0.758 | 0.739 | 0.694 | 0.701 | 5.9 |
| Styrene | 1.081 | 1.128 | 1.091 | 1.277 | 1.257 | 1.159 | 1.166 | 7.2 |
| Bromoform | 0.221 | 0.221 | 0.211 | 0.246 | 0.236 | 0.214 | 0.225 | 5.9 |
| Isopropylbenzene | 3.744 | 3.605 | 3.437 | 3.976 | 4.009 | 3.783 | 3.759 | 5.8 |
| 1,1,2,2-Tetrachloroethane | 0.700 | 0.649 | 0.621 | 0.697 | 0.689 | 0.624 | 0.663 | 5.5 |
| 1,2,3-Trichloropropane | 0.517 | 0.547 | 0.448 | 0.523 | 0.493 | 0.474 | 0.500 | 7.2 |
| Bromobenzene | 0.919 | 0.843 | 0.806 | 0.908 | 0.915 | 0.854 | 0.874 | 5.3 |
| n-propylbenzene | 4.532 | 4.403 | 4.216 | 4.830 | 4.842 | 4.546 | 4.561 | 5.3 |
| 2-Chlorotoluene | 2.741 | 2.558 | 2.412 | 2.715 | 2.730 | 2.551 | 2.618 | 5 |
| 1,3,5-Trimethylbenzene | 3.092 | 2.977 | 2.873 | 3.250 | 3.264 | 3.042 | 3.083 | 5 |
| 4-Chlorotoluene | 2.871 | 2.665 | 2.496 | 2.815 | 2.802 | 2.633 | 2.714 | 5.2 |
| tert-Butylbenzene | 2.703 | 2.753 | 2.601 | 2.892 | 3.000 | 2.760 | 2.785 | 5.1 |
| 1,2,4-Trimethylbenzene | 3.014 | 2.958 | 2.860 | 3.248 | 3.269 | 3.048 | 3.066 | 5.3 |
| sec-Butylbenzene | 4.126 | 4.003 | 3.760 | 4.257 | 4.274 | 3.987 | 4.068 | 4.8 |
| p-Isopropyltoluene | 3.340 | 3.267 | 3.162 | 3.593 | 3.641 | 3.377 | 3.397 | 5.5 |
| 1,3-Dichlorobenzene | 1.812 | 1.729 | 1.598 | 1.792 | 1.777 | 1.668 | 1.730 | 4.8 |
| 1,4-Dichlorobenzene | 1.825 | 1.710 | 1.593 | 1.751 | 1.744 | 1.629 | 1.709 | 5 |

* 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.

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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Calibration Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021309.D RRF010 = VY021310.D RRF020 = VY021311.D
RRF050 = VY021312.D RRF150 = VY021314.D RRF100 = VY021316.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF150 | RRF100 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| n-Butylbenzene | 3.078 | 3.050 | 2.931 | 3.421 | 3.481 | 3.218 | 3.196 | 6.8 |
| 1,2-Dichlorobenzene | 1.599 | 1.499 | 1.408 | 1.575 | 1.564 | 1.446 | 1.515 | 5.1 |
| 1,2-Dibromo-3-Chloropropane | 0.103 | 0.097 | 0.099 | 0.113 | 0.115 | 0.102 | 0.105 | 7.2 |
| 1,2,4-Trichlorobenzene | 0.906 | 0.848 | 0.822 | 0.968 | 1.053 | 0.950 | 0.925 | 9.2 |
| Hexachlorobutadiene | 0.633 | 0.573 | 0.517 | 0.591 | 0.616 | 0.563 | 0.582 | 7 |
| 1,2,3-Trichlorobenzene | 0.742 | 0.719 | 0.698 | 0.824 | 0.896 | 0.809 | 0.781 | 9.6 |
| 1,2-Dichloroethane-d4 | 0.681 | 0.510 | 0.548 | 0.551 | 0.566 | 0.547 | 0.567 | 10.3 |
| Dibromofluoromethane | 0.370 | 0.299 | 0.317 | 0.325 | 0.334 | 0.322 | 0.328 | 7.2 |
| Toluene-d8 | 1.420 | 1.158 | 1.230 | 1.251 | 1.290 | 1.253 | 1.267 | 6.8 |
| 4-Bromofluorobenzene | 0.490 | 0.387 | 0.404 | 0.423 | 0.435 | 0.420 | 0.426 | 8.2 |
| trans-1,4-Dichloro-2-butene | 0.210 | 0.209 | 0.208 | 0.244 | 0.255 | 0.225 | 0.225 | 8.9 |

* 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 GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025
Response Via : Initial Calibration

Calibration Files
5 =VY021309.D 10 =VY021310.D 20 =VY021311.D 50 =VY021312.D 100 =VY021316.D 150 =VY021314.D

| | | Compound | 5 | 10 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | | |
| 2) | T | Dichlorodifluo... | 0.510 | 0.484 | 0.431 | 0.493 | 0.447 | 0.480 | 0.474 | 6.16 |
| 3) | P | Chloromethane | 0.709 | 0.628 | 0.566 | 0.602 | 0.570 | 0.597 | 0.612 | 8.61 |
| 4) | C | Vinyl Chloride | 0.648 | 0.591 | 0.554 | 0.627 | 0.580 | 0.606 | 0.601 | 5.60# |
| 5) | T | Bromomethane | 0.505 | 0.414 | 0.361 | 0.387 | 0.359 | 0.371 | 0.399 | 13.92 |
| 6) | T | Chloroethane | 0.414 | 0.365 | 0.347 | 0.390 | 0.355 | 0.365 | 0.373 | 6.66 |
| 7) | T | Trichlorofluor... | 0.976 | 0.915 | 0.838 | 0.936 | 0.870 | 0.909 | 0.908 | 5.33 |
| 8) | T | Diethyl Ether | 0.276 | 0.264 | 0.260 | 0.286 | 0.263 | 0.286 | 0.272 | 4.34 |
| 9) | T | 1,1,2-Trichlor... | 0.546 | 0.529 | 0.491 | 0.537 | 0.508 | 0.541 | 0.525 | 4.09 |
| 10) | T | Methyl Iodide | 0.492 | 0.473 | 0.490 | 0.637 | 0.600 | 0.625 | 0.553 | 13.64 |
| 11) | T | Tert butyl alc... | 0.058 | 0.047 | 0.042 | 0.040 | 0.034 | 0.039 | 0.044 | 18.88 |
| 12) | CM | 1,1-Dichloroet... | 0.545 | 0.489 | 0.462 | 0.515 | 0.490 | 0.518 | 0.503 | 5.75# |
| 13) | T | Acrolein | 0.065 | 0.058 | 0.059 | 0.007 | 0.006 | 0.006 | 0.033 | 89.20 |
| 14) | T | Allyl chloride | 0.929 | 0.847 | 0.821 | 0.926 | 0.889 | 0.938 | 0.892 | 5.42 |
| 15) | T | Acrylonitrile | 0.122 | 0.115 | 0.116 | 0.127 | 0.115 | 0.127 | 0.120 | 5.01 |
| 16) | T | Acetone | 0.122 | 0.102 | 0.094 | 0.128 | 0.103 | 0.104 | 0.109 | 11.92 |
| 17) | T | Carbon Disulfide | 1.800 | 1.652 | 1.540 | 1.734 | 1.620 | 1.678 | 1.671 | 5.41 |
| 18) | T | Methyl Acetate | 0.285 | 0.249 | 0.259 | 0.276 | 0.250 | 0.276 | 0.266 | 5.65 |
| 19) | T | Methyl tert-bu... | 1.312 | 1.268 | 1.267 | 1.410 | 1.307 | 1.410 | 1.329 | 4.93 |
| 20) | T | Methylene Chlo... | 0.733 | 0.598 | 0.539 | 0.585 | 0.529 | 0.547 | 0.588 | 12.84 |
| 21) | T | trans-1,2-Dich... | 0.589 | 0.536 | 0.507 | 0.573 | 0.547 | 0.570 | 0.554 | 5.36 |
| 22) | T | Diisopropyl ether | 1.839 | 1.794 | 1.752 | 1.961 | 1.828 | 1.900 | 1.846 | 4.06 |
| 23) | T | Vinyl Acetate | 1.062 | 1.041 | 1.045 | 1.188 | 1.103 | 1.179 | 1.103 | 6.00 |
| 24) | P | 1,1-Dichloroet... | 1.101 | 1.032 | 0.961 | 1.083 | 1.007 | 1.058 | 1.040 | 4.94 |
| 25) | T | 2-Butanone | 0.162 | 0.155 | 0.156 | 0.183 | 0.159 | 0.171 | 0.164 | 6.53 |
| 26) | T | 2,2-Dichloropr... | 1.036 | 0.939 | 0.845 | 0.972 | 0.920 | 0.952 | 0.944 | 6.64 |
| 27) | T | cis-1,2-Dichlo... | 0.649 | 0.610 | 0.588 | 0.665 | 0.626 | 0.656 | 0.632 | 4.68 |
| 28) | T | Bromochloromet... | 0.525 | 0.442 | 0.438 | 0.454 | 0.439 | 0.464 | 0.460 | 7.23 |
| 29) | T | Tetrahydrofuran | 0.105 | 0.100 | 0.106 | 0.115 | 0.104 | 0.114 | 0.107 | 5.36 |
| 30) | C | Chloroform | 1.128 | 1.046 | 0.977 | 1.095 | 1.017 | 1.062 | 1.054 | 5.11# |
| 31) | T | Cyclohexane | 1.182 | 1.025 | 0.910 | 0.989 | 0.923 | 0.971 | 1.000 | 9.90 |
| 32) | T | 1,1,1-Trichlor... | 1.020 | 0.956 | 0.889 | 0.986 | 0.927 | 0.979 | 0.960 | 4.81 |
| 33) | S | 1,2-Dichloroet... | 0.681 | 0.510 | 0.548 | 0.551 | 0.547 | 0.566 | 0.567 | 10.35 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | |
| 35) | S | Dibromofluorom... | 0.370 | 0.299 | 0.317 | 0.325 | 0.322 | 0.334 | 0.328 | 7.20 |
| 36) | T | 1,1-Dichloropr... | 0.508 | 0.487 | 0.460 | 0.516 | 0.478 | 0.505 | 0.492 | 4.28 |
| 37) | T | Ethyl Acetate | 0.251 | 0.246 | 0.232 | 0.257 | 0.228 | 0.255 | 0.245 | 5.02 |
| 38) | T | Carbon Tetrach... | 0.567 | 0.562 | 0.509 | 0.581 | 0.535 | 0.567 | 0.554 | 4.80 |
| 39) | T | Methylcyclohexane | 0.597 | 0.613 | 0.584 | 0.662 | 0.618 | 0.663 | 0.623 | 5.33 |
| 40) | TM | Benzene | 1.515 | 1.445 | 1.359 | 1.533 | 1.409 | 1.472 | 1.456 | 4.48 |
| 41) | T | Methacrylonitrile | 0.162 | 0.118 | 0.120 | 0.147 | 0.129 | 0.146 | 0.137 | 12.55 |
| 42) | TM | 1,2-Dichloroet... | 0.422 | 0.417 | 0.393 | 0.434 | 0.394 | 0.419 | 0.413 | 3.91 |
| 43) | T | Isopropyl Acetate | 0.443 | 0.447 | 0.464 | 0.513 | 0.466 | 0.511 | 0.474 | 6.49 |
| 44) | TM | Trichloroethene | 0.375 | 0.360 | 0.341 | 0.382 | 0.354 | 0.375 | 0.364 | 4.29 |
| 45) | C | 1,2-Dichloropr... | 0.360 | 0.350 | 0.329 | 0.371 | 0.336 | 0.357 | 0.350 | 4.49# |
| 46) | T | Dibromomethane | 0.192 | 0.188 | 0.183 | 0.203 | 0.184 | 0.199 | 0.191 | 4.22 |
| 47) | T | Bromodichlorom... | 0.519 | 0.503 | 0.477 | 0.541 | 0.495 | 0.528 | 0.511 | 4.54 |
| 48) | T | Methyl methacr... | 0.197 | 0.201 | 0.208 | 0.247 | 0.225 | 0.251 | 0.222 | 10.59 |
| 49) | T | 1,4-Dioxane | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 6.15 |
| 50) | S | Toluene-d8 | 1.420 | 1.158 | 1.230 | 1.251 | 1.253 | 1.290 | 1.267 | 6.83 |
| 51) | T | 4-Methyl-2-Pen... | 0.220 | 0.227 | 0.239 | 0.267 | 0.238 | 0.264 | 0.243 | 7.94 |
| 52) | CM | Toluene | 0.887 | 0.888 | 0.852 | 0.965 | 0.897 | 0.936 | 0.904 | 4.42# |
| 53) | T | t-1,3-Dichloro... | 0.438 | 0.436 | 0.434 | 0.515 | 0.474 | 0.509 | 0.468 | 8.02 |
| 54) | T | cis-1,3-Dichlo... | 0.541 | 0.526 | 0.528 | 0.591 | 0.546 | 0.581 | 0.552 | 4.97 |
| 55) | T | 1,1,2-Trichlor... | 0.250 | 0.251 | 0.238 | 0.267 | 0.237 | 0.254 | 0.249 | 4.42 |
| 56) | T | Ethyl methacry... | 0.294 | 0.308 | 0.315 | 0.392 | 0.360 | 0.398 | 0.345 | 13.04 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y022525S.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,3-Dichloropr... | 0.427 | 0.428 | 0.422 | 0.469 | 0.426 | 0.454 | 0.438 | 4.39 |
| 58) | T | 2-Chloroethyl ... | 0.140 | 0.146 | 0.159 | 0.191 | 0.177 | 0.179 | 0.165 | 12.21 |
| 59) | T | 2-Hexanone | 0.133 | 0.146 | 0.155 | 0.183 | 0.162 | 0.178 | 0.159 | 11.90 |
| 60) | T | Dibromochlorom... | 0.340 | 0.325 | 0.322 | 0.368 | 0.332 | 0.352 | 0.340 | 5.17 |
| 61) | T | 1,2-Dibromoethane | 0.234 | 0.231 | 0.226 | 0.254 | 0.227 | 0.245 | 0.236 | 4.72 |
| 62) | S | 4-Bromofluorob... | 0.490 | 0.387 | 0.404 | 0.423 | 0.420 | 0.435 | 0.426 | 8.25 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 64) | T | Tetrachloroethene | 0.405 | 0.380 | 0.351 | 0.389 | 0.355 | 0.386 | 0.378 | 5.52 |
| 65) | PM | Chlorobenzene | 1.171 | 1.111 | 1.039 | 1.176 | 1.078 | 1.159 | 1.122 | 4.97 |
| 66) | T | 1,1,1,2-Tetrac... | 0.396 | 0.401 | 0.362 | 0.414 | 0.381 | 0.404 | 0.393 | 4.71 |
| 67) | C | Ethyl Benzene | 1.938 | 1.941 | 1.826 | 2.130 | 1.979 | 2.115 | 1.988 | 5.85# |
| 68) | T | m/p-Xylenes | 0.735 | 0.738 | 0.696 | 0.802 | 0.733 | 0.783 | 0.748 | 5.13 |
| 69) | T | o-Xylene | 0.689 | 0.675 | 0.648 | 0.758 | 0.694 | 0.739 | 0.701 | 5.86 |
| 70) | T | Styrene | 1.081 | 1.128 | 1.091 | 1.276 | 1.159 | 1.257 | 1.166 | 7.15 |
| 71) | P | Bromoform | 0.221 | 0.221 | 0.211 | 0.246 | 0.214 | 0.236 | 0.225 | 5.89 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 73) | T | Isopropylbenzene | 3.744 | 3.605 | 3.437 | 3.976 | 3.783 | 4.009 | 3.759 | 5.80 |
| 74) | T | N-amyl acetate | 0.818 | 0.854 | 0.904 | 1.060 | 0.990 | 1.106 | 0.955 | 12.07 |
| 75) | P | 1,1,2,2-Tetrac... | 0.700 | 0.649 | 0.621 | 0.697 | 0.624 | 0.689 | 0.663 | 5.52 |
| 76) | T | 1,2,3-Trichlor... | 0.517 | 0.547 | 0.448 | 0.523 | 0.474 | 0.493 | 0.500 | 7.19 |
| 77) | T | Bromobenzene | 0.919 | 0.843 | 0.806 | 0.908 | 0.854 | 0.915 | 0.874 | 5.34 |
| 78) | T | n-propylbenzene | 4.532 | 4.403 | 4.216 | 4.830 | 4.546 | 4.842 | 4.561 | 5.34 |
| 79) | T | 2-Chlorotoluene | 2.741 | 2.558 | 2.412 | 2.715 | 2.551 | 2.730 | 2.618 | 5.05 |
| 80) | T | 1,3,5-Trimethy... | 3.092 | 2.977 | 2.873 | 3.250 | 3.042 | 3.264 | 3.083 | 4.99 |
| 81) | T | trans-1,4-Dich... | 0.210 | 0.209 | 0.208 | 0.244 | 0.225 | 0.255 | 0.225 | 8.86 |
| 82) | T | 4-Chlorotoluene | 2.871 | 2.665 | 2.496 | 2.815 | 2.633 | 2.802 | 2.714 | 5.19 |
| 83) | T | tert-Butylbenzene | 2.703 | 2.753 | 2.601 | 2.892 | 2.760 | 3.000 | 2.785 | 5.08 |
| 84) | T | 1,2,4-Trimethy... | 3.014 | 2.958 | 2.860 | 3.248 | 3.048 | 3.269 | 3.066 | 5.28 |
| 85) | T | sec-Butylbenzene | 4.126 | 4.003 | 3.760 | 4.257 | 3.987 | 4.274 | 4.068 | 4.75 |
| 86) | T | p-Isopropyltol... | 3.340 | 3.267 | 3.162 | 3.593 | 3.377 | 3.641 | 3.397 | 5.48 |
| 87) | T | 1,3-Dichlorobe... | 1.812 | 1.729 | 1.598 | 1.792 | 1.668 | 1.777 | 1.730 | 4.77 |
| 88) | T | 1,4-Dichlorobe... | 1.825 | 1.710 | 1.593 | 1.751 | 1.629 | 1.744 | 1.709 | 4.99 |
| 89) | T | n-Butylbenzene | 3.078 | 3.050 | 2.931 | 3.421 | 3.218 | 3.481 | 3.196 | 6.82 |
| 90) | T | Hexachloroethane | 0.759 | 0.690 | 0.638 | 0.721 | 0.693 | 0.755 | 0.710 | 6.43 |
| 91) | T | 1,2-Dichlorobe... | 1.599 | 1.499 | 1.408 | 1.575 | 1.446 | 1.564 | 1.515 | 5.09 |
| 92) | T | 1,2-Dibromo-3-... | 0.103 | 0.097 | 0.099 | 0.113 | 0.102 | 0.115 | 0.105 | 7.23 |
| 93) | T | 1,2,4-Trichlor... | 0.906 | 0.848 | 0.822 | 0.968 | 0.950 | 1.053 | 0.925 | 9.16 |
| 94) | T | Hexachlorobuta... | 0.633 | 0.573 | 0.517 | 0.591 | 0.563 | 0.616 | 0.582 | 7.04 |
| 95) | T | Naphthalene | 1.249 | 1.282 | 1.361 | 1.721 | 1.673 | 1.905 | 1.532 | 17.67 |
| 96) | T | 1,2,3-Trichlor... | 0.742 | 0.719 | 0.698 | 0.824 | 0.809 | 0.896 | 0.781 | 9.62 |

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 177514 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 289913 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 247837 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 118690 | 50.000 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 12088 | 6.003 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 12.000%# | | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 10715 | 5.637 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 11.280%# | | | | |
| 50) Toluene-d8 | 10.103 | 98 | 41158 | 5.603 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 11.200%# | | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 14192 | 5.741 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 11.480%# | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 9045 | 5.374 | ug/l | | 99 |
| 3) Chloromethane | 2.068 | 50 | 12591 | 5.793 | ug/l | | 97 |
| 4) Vinyl Chloride | 2.202 | 62 | 11497 | 5.389 | ug/l | | 93 |
| 5) Bromomethane | 2.598 | 94 | 8962 | 6.321 | ug/l | | 99 |
| 6) Chloroethane | 2.733 | 64 | 7351 | 5.556 | ug/l | | 99 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 17319 | 5.375 | ug/l | # | 83 |
| 8) Diethyl Ether | 3.458 | 74 | 4897 | 5.064 | ug/l | | 89 |
| 9) 1,1,2-Trichlorotrifluo... | 3.806 | 101 | 9686 | 5.193 | ug/l | | 96 |
| 10) Methyl Iodide | 4.001 | 142 | 8728 | 4.447 | ug/l | | 99 |
| 11) Tert butyl alcohol | 4.848 | 59 | 5165 | 33.345 | ug/l | # | 84 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 9671 | 5.415 | ug/l | | 90 |
| 13) Acrolein | 3.647 | 56 | 5798 | 48.848 | ug/l | | 99 |
| 14) Allyl chloride | 4.379 | 41 | 16498 | 5.210 | ug/l | | 99 |
| 15) Acrylonitrile | 5.055 | 53 | 10830 | 25.330 | ug/l | | 98 |
| 16) Acetone | 3.866 | 43 | 10823 | 28.018 | ug/l | | 99 |
| 17) Carbon Disulfide | 4.104 | 76 | 31953 | 5.387 | ug/l | | 99 |
| 18) Methyl Acetate | 4.391 | 43 | 5062 | 5.362 | ug/l | # | 54 |
| 19) Methyl tert-butyl Ether | 5.110 | 73 | 23290 | 4.935 | ug/l | | 100 |
| 20) Methylene Chloride | 4.610 | 84 | 13003 | 6.225 | ug/l | | 93 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 10455 | 5.317 | ug/l | | 98 |
| 22) Diisopropyl ether | 6.012 | 45 | 32640 | 4.981 | ug/l | # | 86 |
| 23) Vinyl Acetate | 5.958 | 43 | 94244 | 24.067 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 19538 | 5.290 | ug/l | | 98 |
| 25) 2-Butanone | 6.890 | 43 | 14341 | 24.599 | ug/l | # | 88 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 18391 | 5.488 | ug/l | | 100 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 11522 | 5.132 | ug/l | | 97 |
| 28) Bromochloromethane | 7.244 | 49 | 9318 | 5.702 | ug/l | | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 9319 | 24.455 | ug/l | | 99 |
| 30) Chloroform | 7.421 | 83 | 20025 | 5.351 | ug/l | | 98 |
| 31) Cyclohexane | 7.701 | 56 | 20990 | 5.912 | ug/l | # | 86 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 18106 | 5.315 | ug/l | | 98 |
| 36) 1,1-Dichloropropene | 7.829 | 75 | 14719 | 5.155 | ug/l | | 98 |
| 37) Ethyl Acetate | 6.982 | 43 | 7270 | 5.119 | ug/l | | 98 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 16445 | 5.124 | ug/l | | 92 |
| 39) Methylcyclohexane | 9.103 | 83 | 17316 | 4.795 | ug/l | | 95 |
| 40) Benzene | 8.079 | 78 | 43912 | 5.203 | ug/l | | 95 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.238 | 41 | 4691m | 5.908 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 12236 | 5.110 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 12832 | 4.668 | ug/l | | 99 |
| 44) Trichloroethene | 8.859 | 130 | 10868 | 5.143 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 10426 | 5.133 | ug/l | | 95 |
| 46) Dibromomethane | 9.231 | 93 | 5557 | 5.005 | ug/l | | 100 |
| 47) Bromodichloromethane | 9.420 | 83 | 15042 | 5.081 | ug/l | | 100 |
| 48) Methyl methacrylate | 9.219 | 41 | 5698 | 4.433 | ug/l | | 95 |
| 49) 1,4-Dioxane | 9.231 | 88 | 1164 | 94.292 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 10.000 | 43 | 31910 | 22.677 | ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 25715 | 4.905 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 12697 | 4.682 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 15685 | 4.899 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.573 | 97 | 7259 | 5.019 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.438 | 69 | 8528 | 4.267 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 12384 | 4.880 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 20290 | 21.153 | ug/l | | 98 |
| 59) 2-Hexanone | 10.762 | 43 | 19312 | 20.897 | ug/l | | 97 |
| 60) Dibromochloromethane | 10.914 | 129 | 9844 | 4.998 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 6792 | 4.960 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 10042 | 5.361 | ug/l | | 96 |
| 65) Chlorobenzene | 11.444 | 112 | 29025 | 5.217 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131 | 9824 | 5.043 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.518 | 91 | 48026 | 4.874 | ug/l | | 97 |
| 68) m/p-Xylenes | 11.627 | 106 | 36446 | 9.833 | ug/l | | 100 |
| 69) o-Xylene | 11.956 | 106 | 17085 | 4.920 | ug/l | | 97 |
| 70) Styrene | 11.969 | 104 | 26787 | 4.637 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 5478 | 4.916 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 44434 | 4.980 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 9713 | 4.283 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 8309 | 5.276 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 6139m | 5.136 | ug/l | | |
| 77) Bromobenzene | 12.536 | 156 | 10911 | 5.257 | ug/l | | 99 |
| 78) n-propylbenzene | 12.597 | 91 | 53794 | 4.968 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 32529 | 5.235 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 36696 | 5.014 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 2493 | 4.664 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 12.780 | 91 | 34079 | 5.290 | ug/l | | 99 |
| 83) tert-Butylbenzene | 12.999 | 119 | 32078 | 4.852 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 35772 | 4.915 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 48977 | 5.072 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 39637 | 4.916 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 21510 | 5.239 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 21663 | 5.341 | ug/l | | 95 |
| 89) n-Butylbenzene | 13.621 | 91 | 36537 | 4.815 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 9013 | 5.351 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.664 | 146 | 18984 | 5.278 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 1227 | 4.925 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 10759 | 4.901 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 7510 | 5.434 | ug/l | | 95 |
| 95) Naphthalene | 15.145 | 128 | 14829 | 4.078 | ug/l | | 97 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 8804 | 4.746 | ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

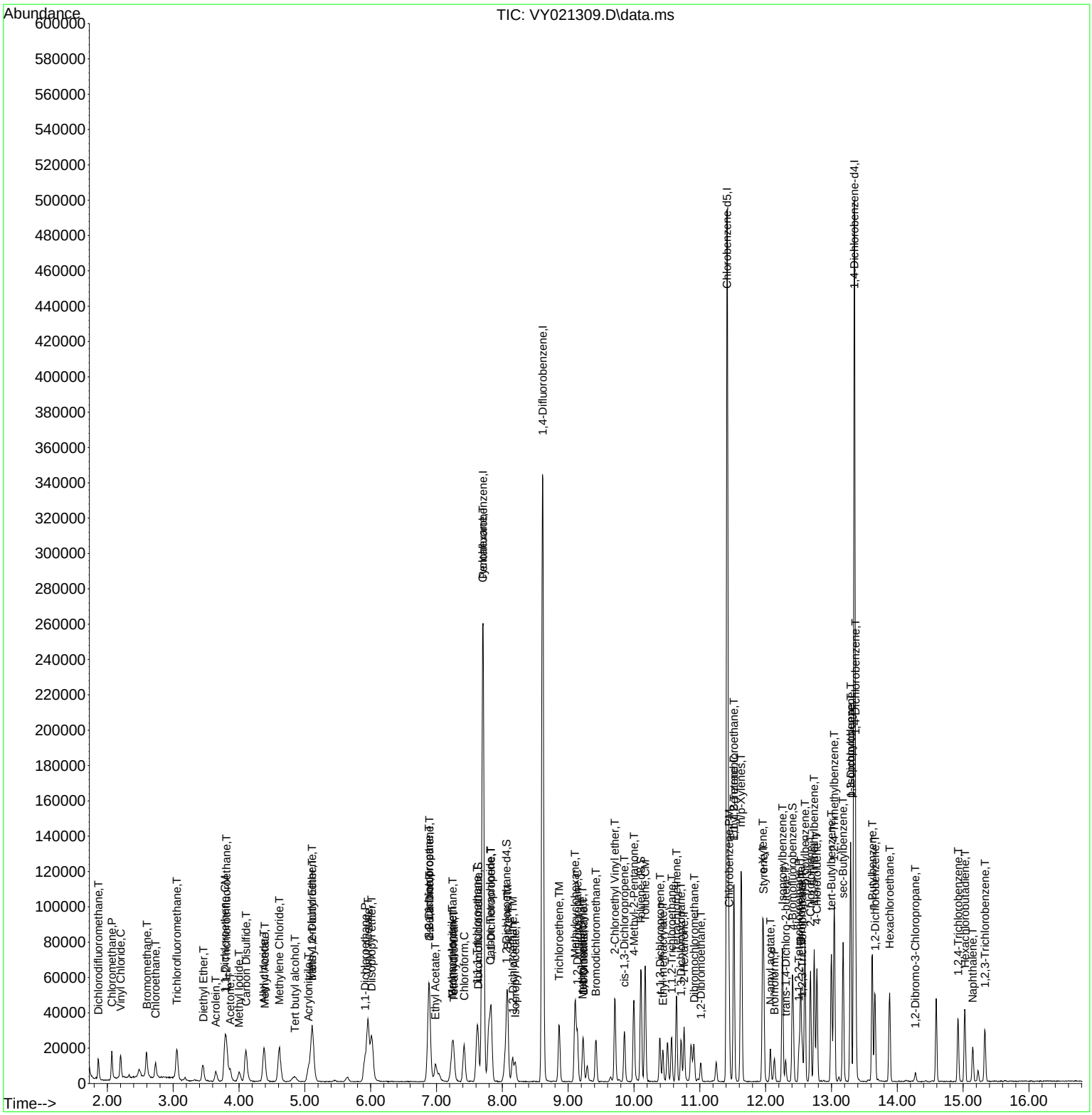
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

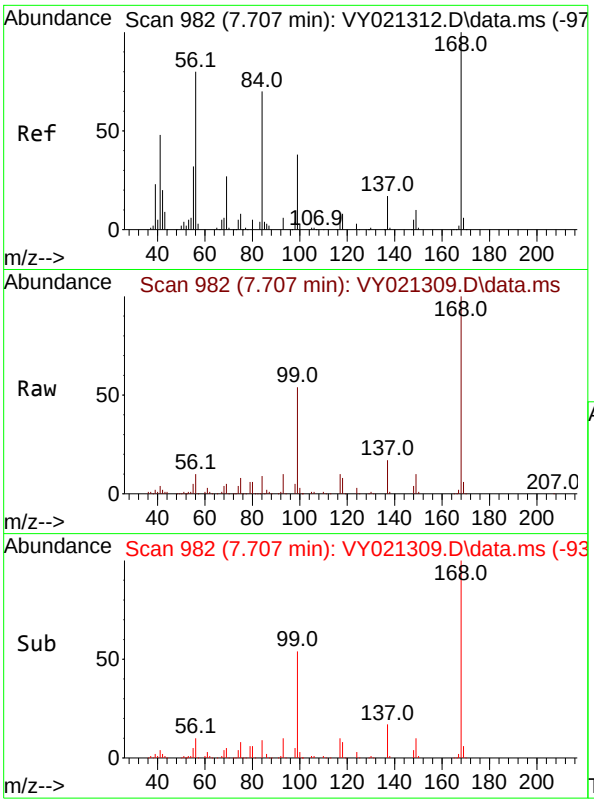
Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

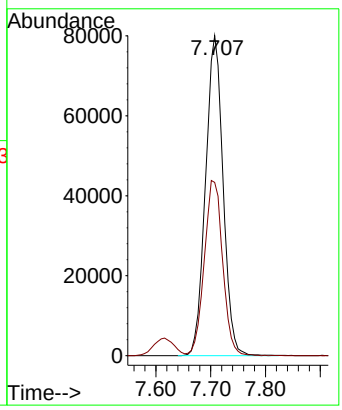





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:168 Resp: 17751

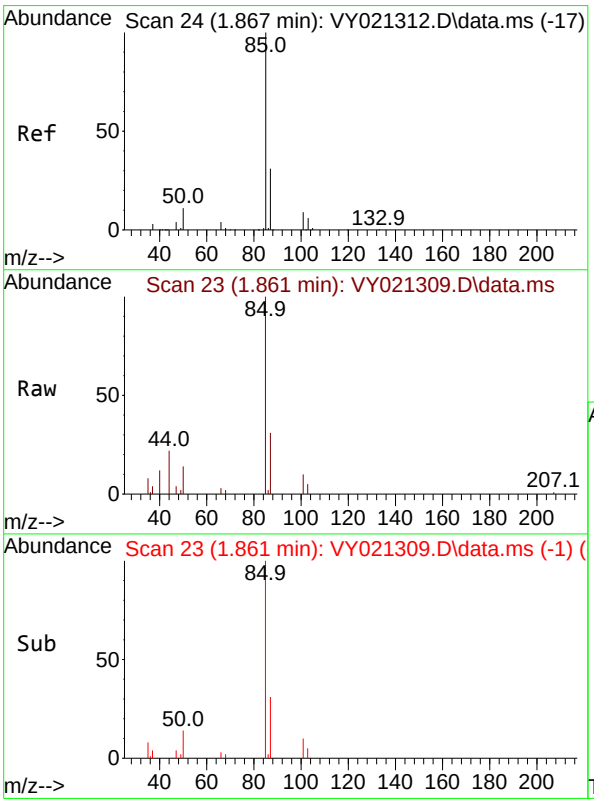
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.1 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

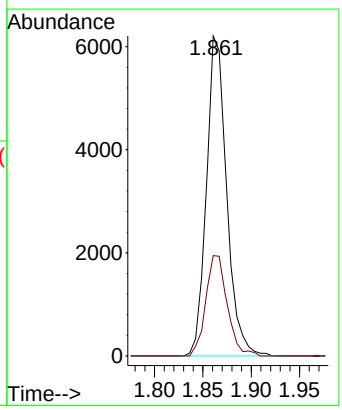
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

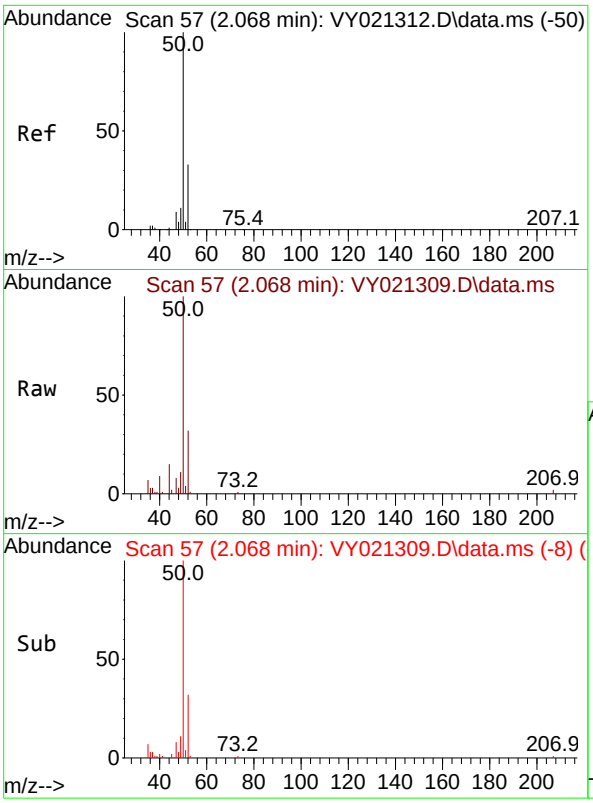



#2
Dichlorodifluoromethane
Concen: 5.374 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 85 Resp: 9045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.4 | 15.4 | 46.4 |

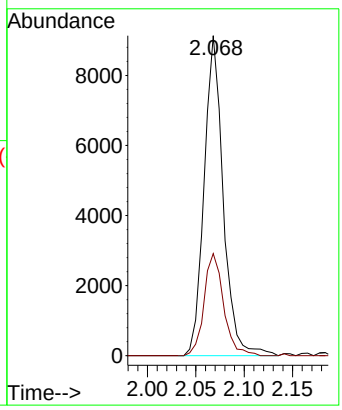





#3
Chloromethane
Concen: 5.793 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 50 Resp: 1259

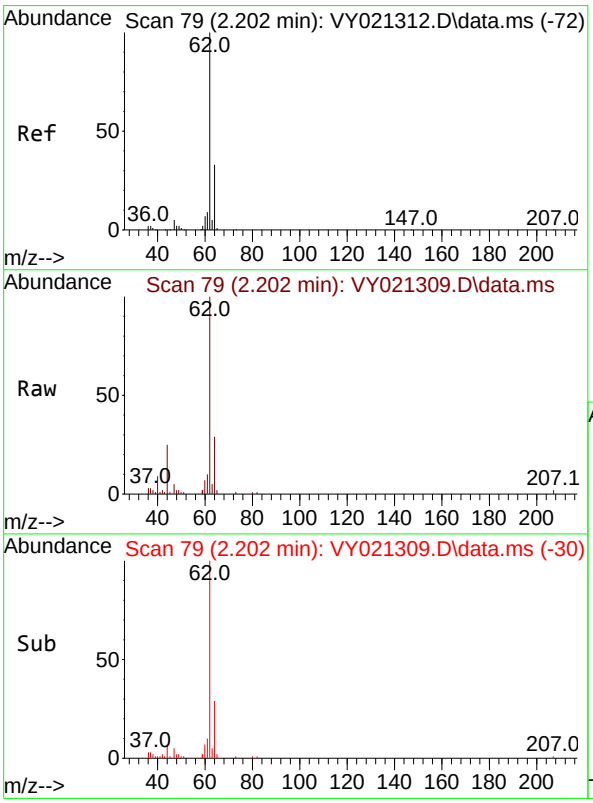
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.9 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

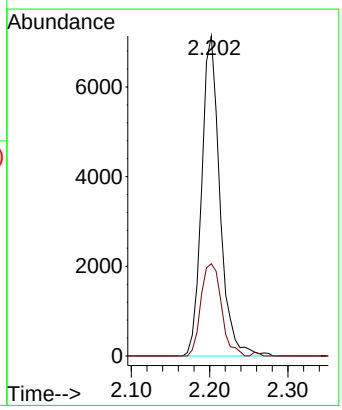
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

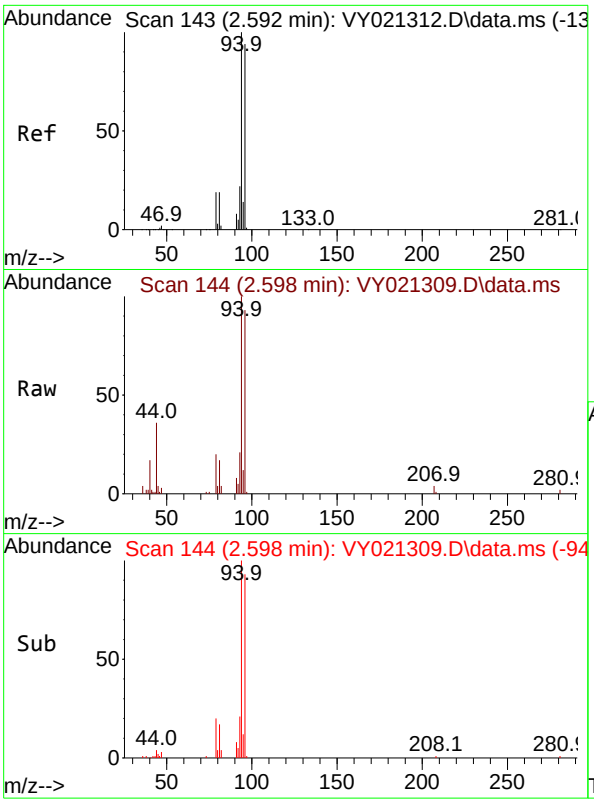



#4
Vinyl Chloride
Concen: 5.389 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 11497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 28.8 | 26.3 | 39.5 |

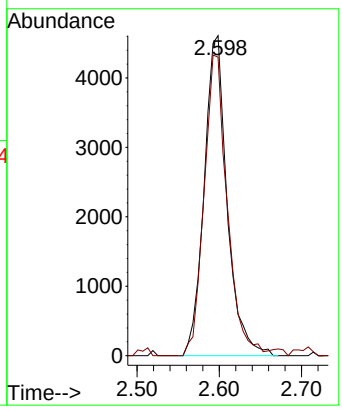





#5
Bromomethane
Concen: 6.321 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 94 Resp: 896

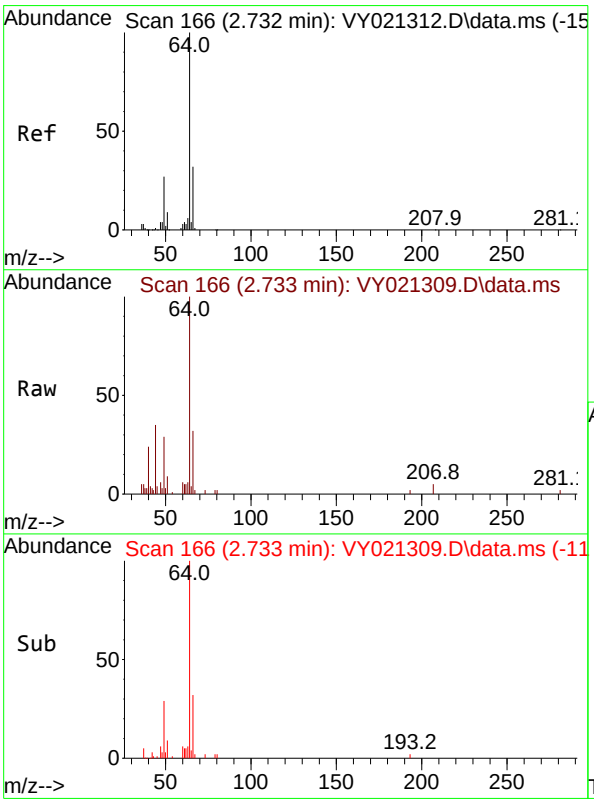
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.3 | 75.2 | 112.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

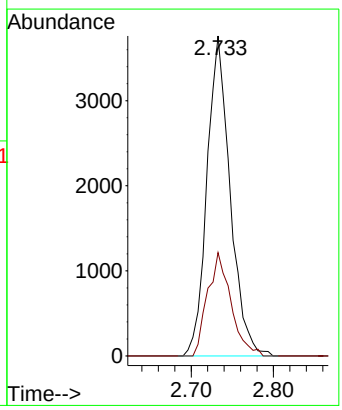
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

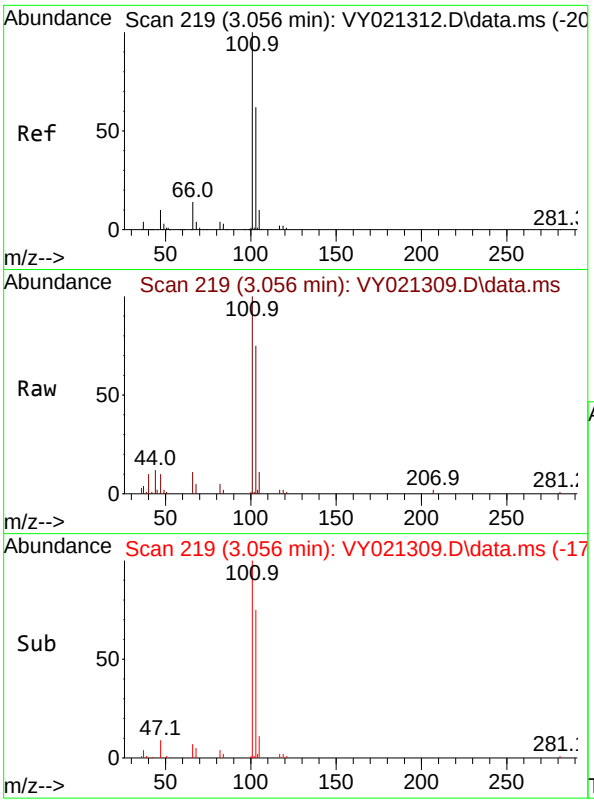



#6
Chloroethane
Concen: 5.556 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 64 Resp: 7351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.3 | 25.4 | 38.0 |

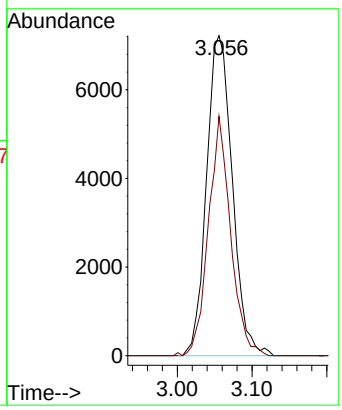





#7
Trichlorofluoromethane
Concen: 5.375 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:101 Resp: 1731

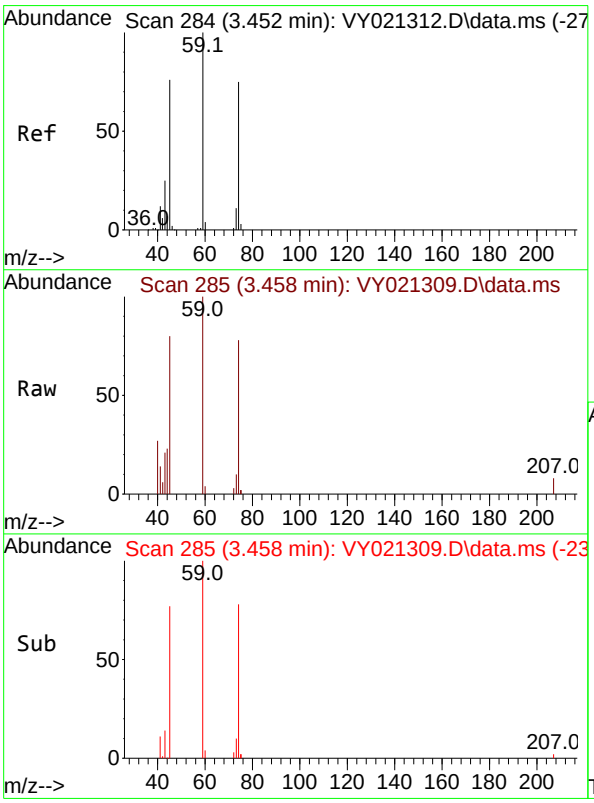
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 74.8 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

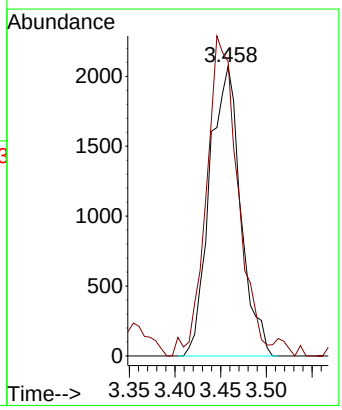
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

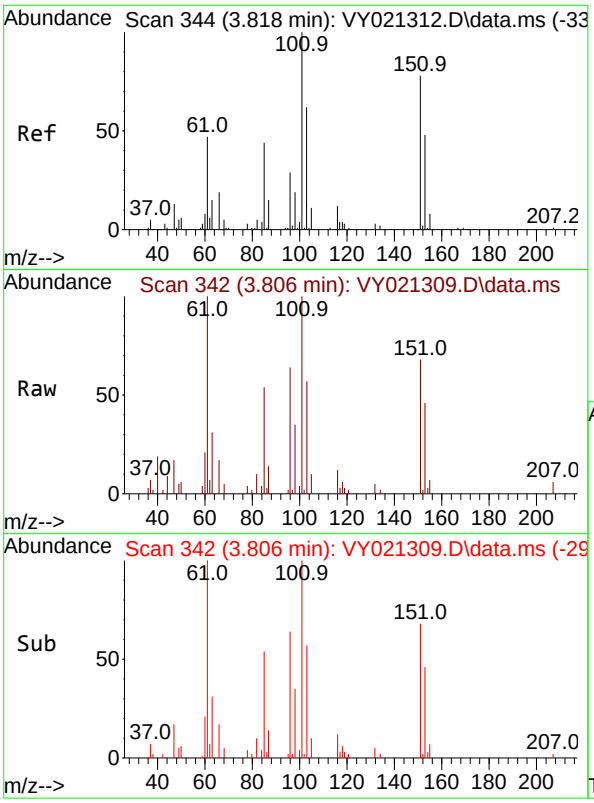



#8
Diethyl Ether
Concen: 5.064 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 74 Resp: 4897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 111.5 | 50.3 | 150.9 |

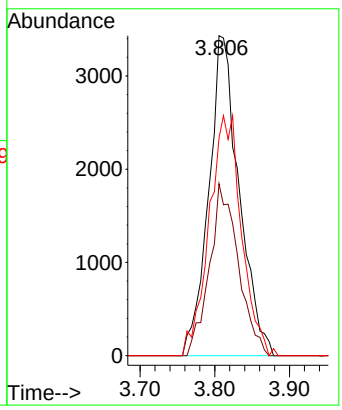





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.193 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:101 Resp: 968

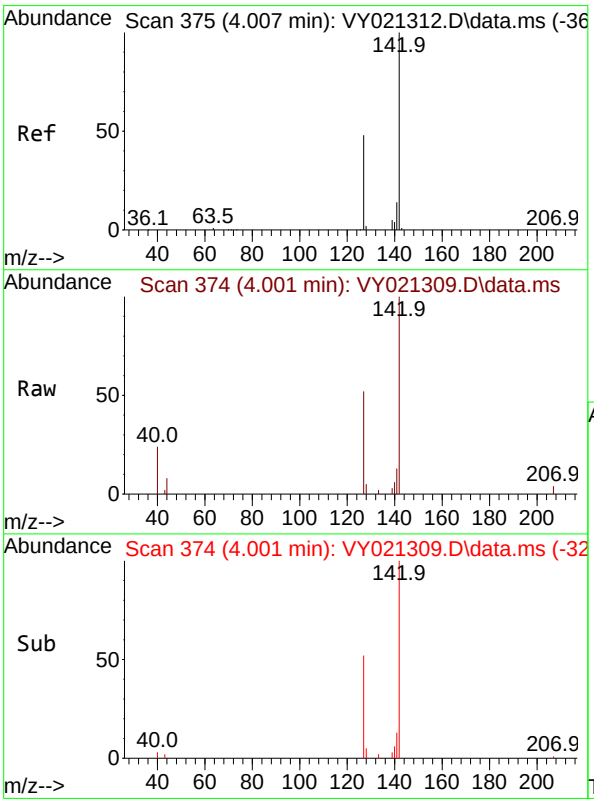
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 50.9 | 36.7 | 55.1 |
| 151 | 80.2 | 62.6 | 94.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

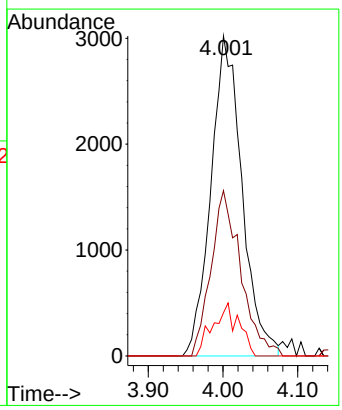
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

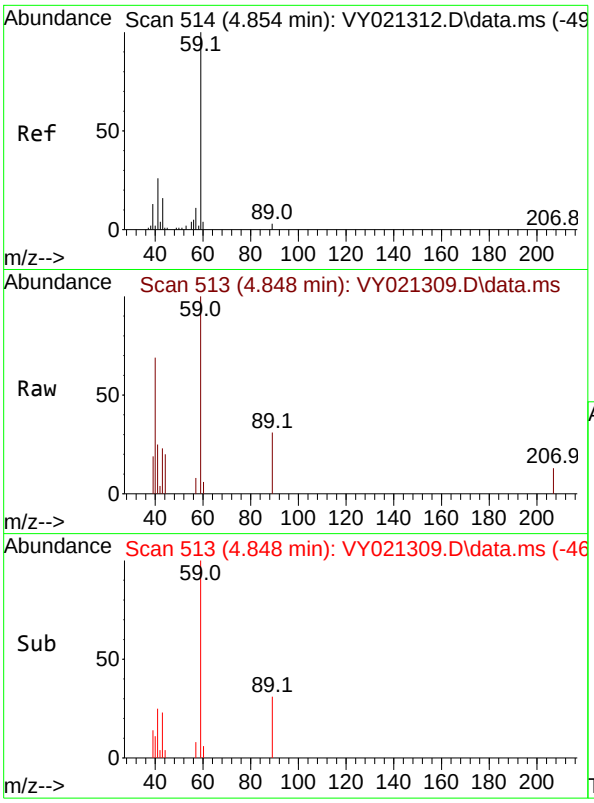



#10
Methyl Iodide
Concen: 4.447 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:142 Resp: 8728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.6 | 39.2 | 58.8 |
| 141 | 13.8 | 11.4 | 17.2 |

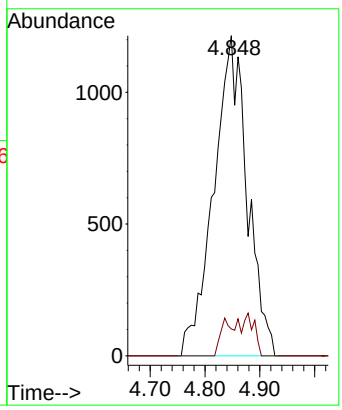





#11
Tert butyl alcohol
Concen: 33.345 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 59 Resp: 516

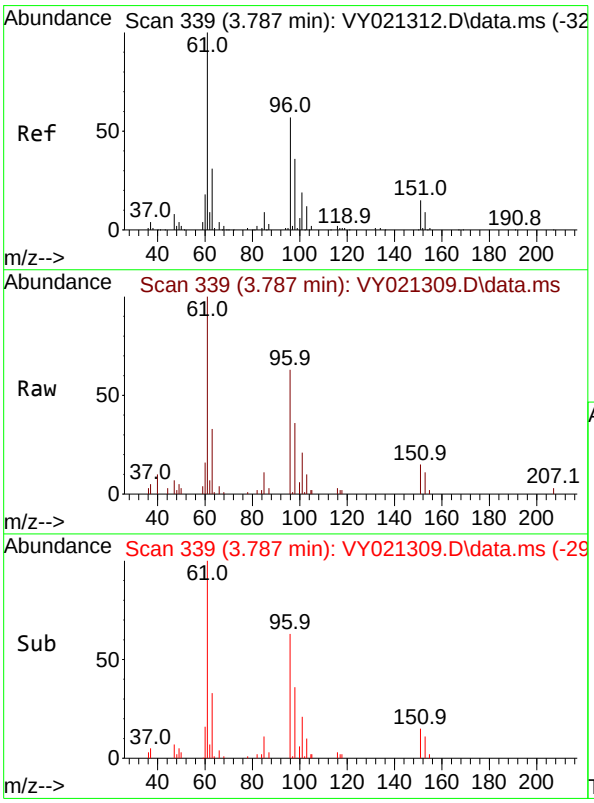
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 4.3 | 8.3 | 12.5# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

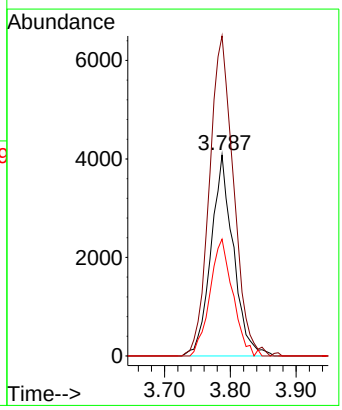
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

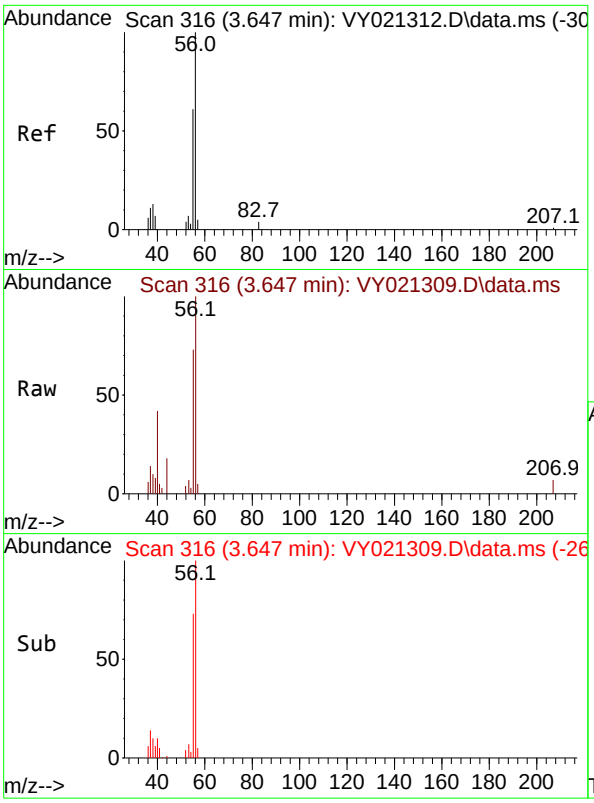



#12
1,1-Dichloroethene
Concen: 5.415 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 9671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.2 | 139.7 | 209.5 |
| 98 | 58.1 | 49.7 | 74.5 |

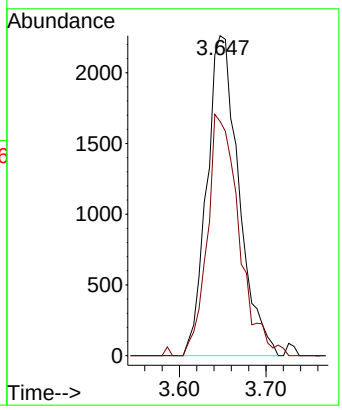





#13
Acrolein
Concen: 48.848 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 56 Resp: 579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.8 | 59.0 | 88.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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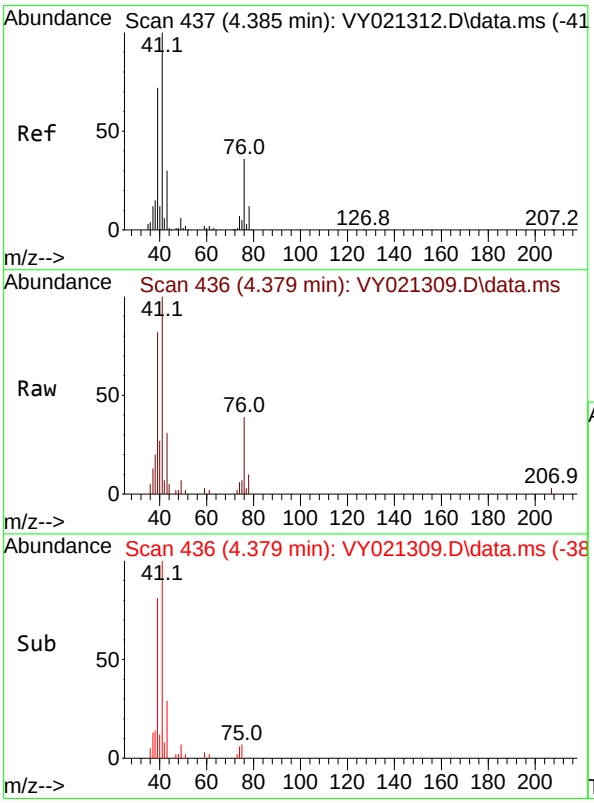
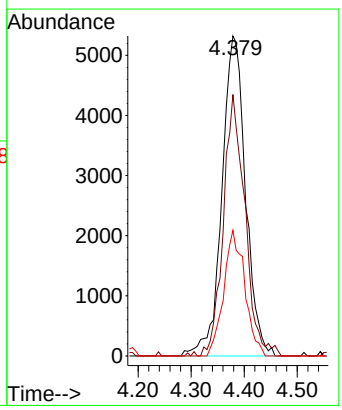
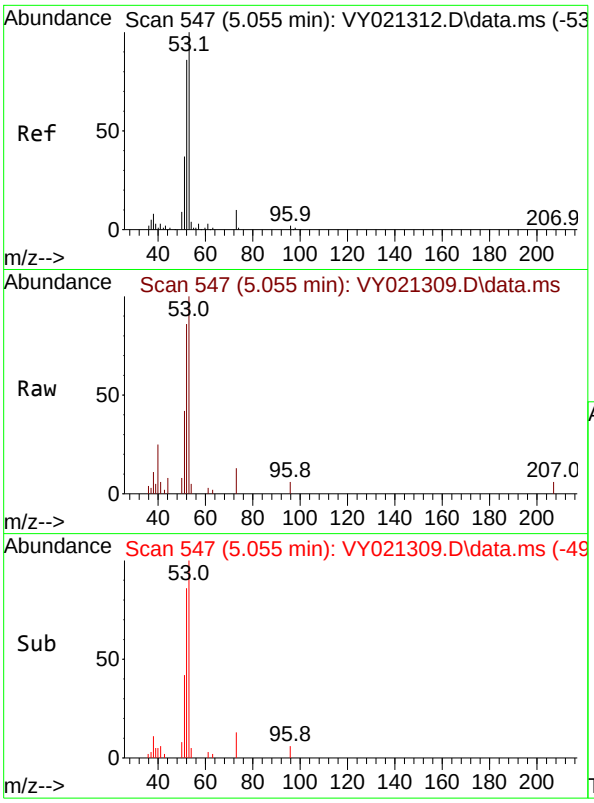



#14
Allyl chloride
Concen: 5.210 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 16498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.4 | 60.0 | 90.0 |
| 76 | 34.9 | 29.0 | 43.6 |

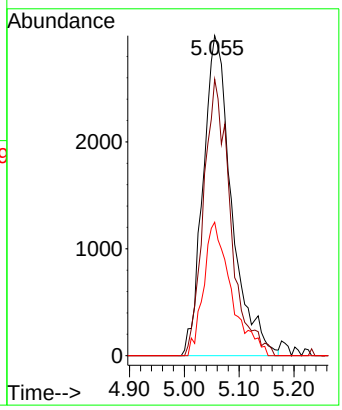





#15
Acrylonitrile
Concen: 25.330 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 53 Resp: 1083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.0 | 65.5 | 98.3 |
| 51 | 40.3 | 30.6 | 46.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

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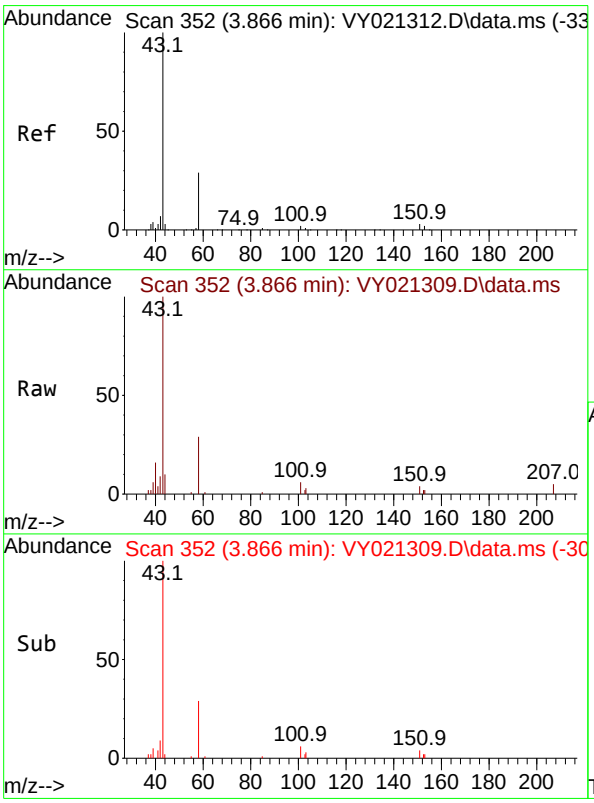
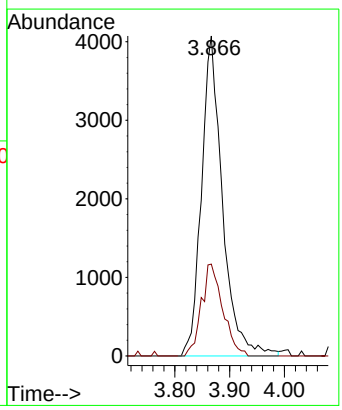
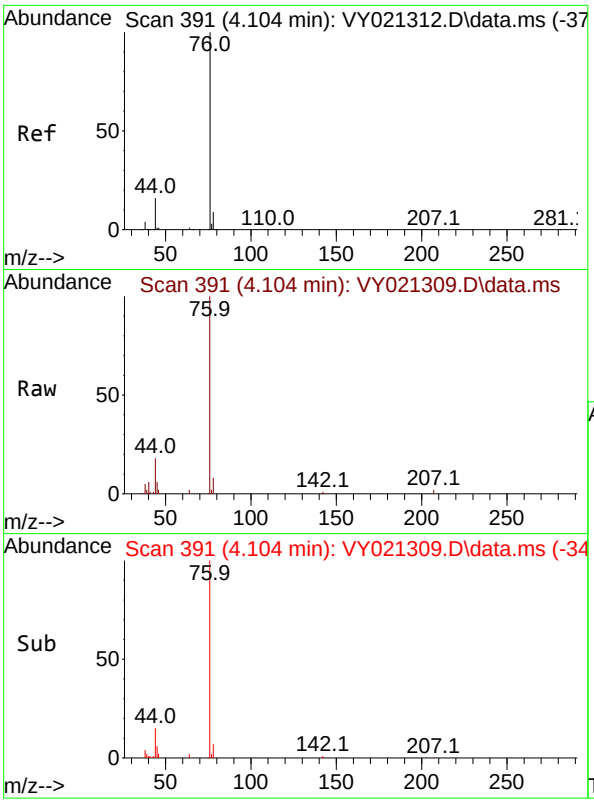



#16
Acetone
Concen: 28.018 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 10823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 23.5 | 35.3 |

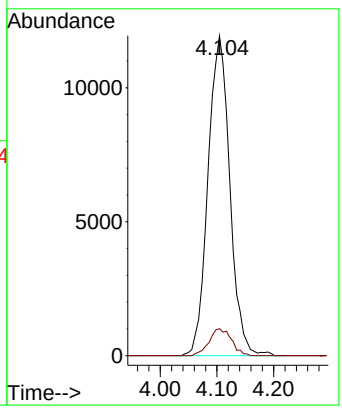





#17
Carbon Disulfide
Concen: 5.387 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 76 Resp: 3195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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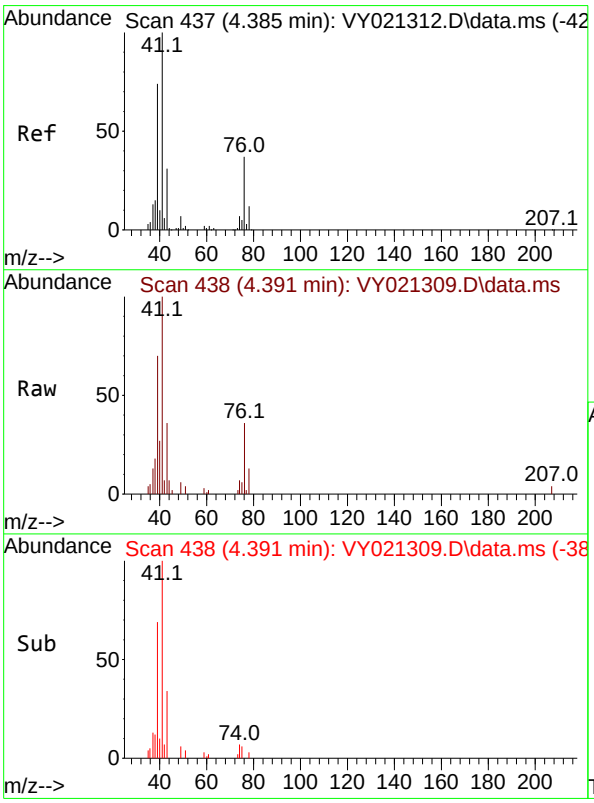
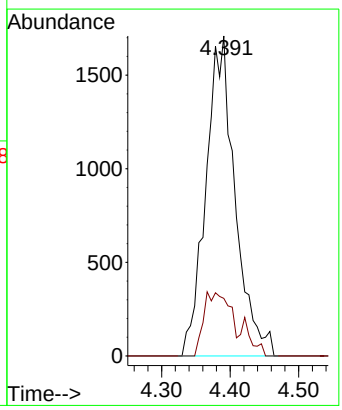
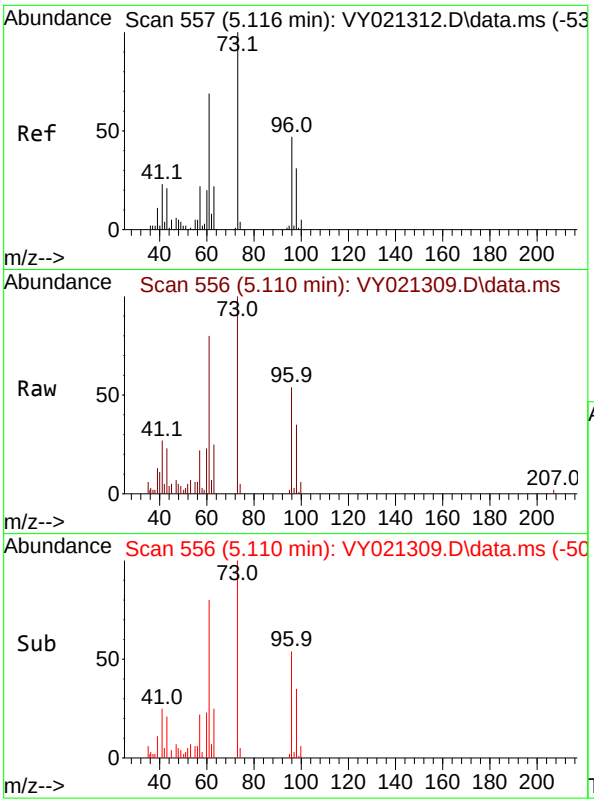



#18
Methyl Acetate
Concen: 5.362 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 5062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 17.7 | 26.5# |

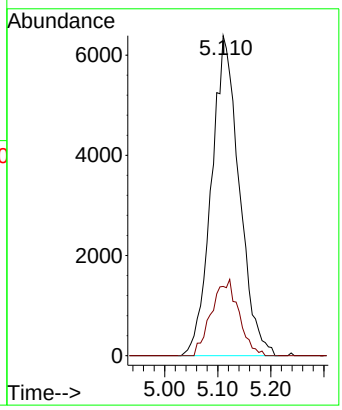





#19
Methyl tert-butyl Ether
Concen: 4.935 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 73 Resp: 2329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 17.4 | 26.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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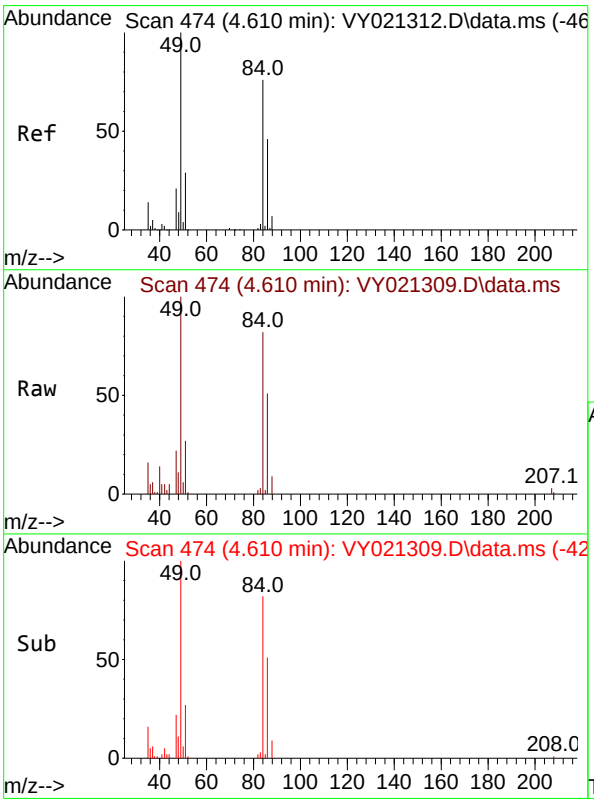
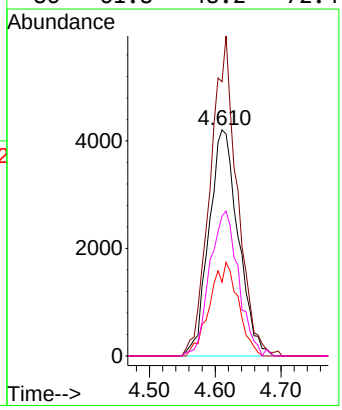
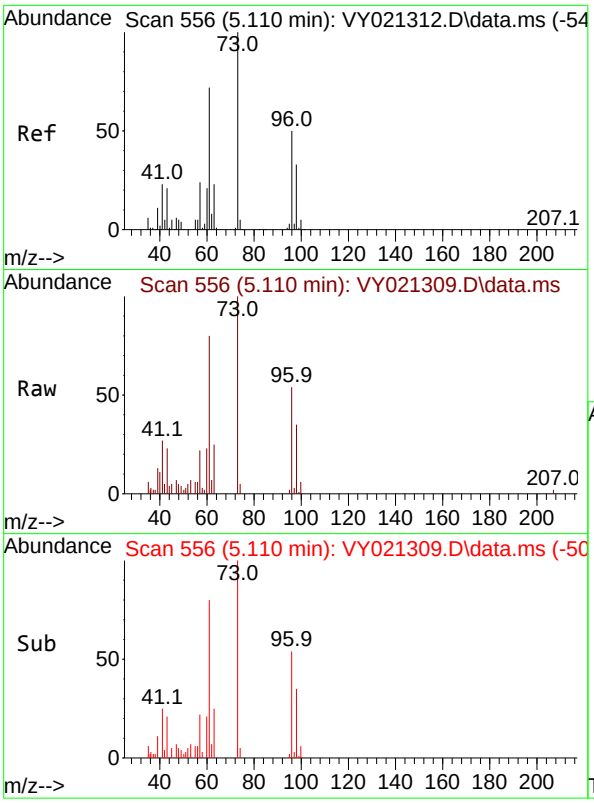



#20
Methylene Chloride
Concen: 6.225 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 84 Resp: 13003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 121.3 | 105.1 | 157.7 |
| 51 | 32.7 | 31.0 | 46.4 |
| 86 | 61.8 | 48.2 | 72.4 |

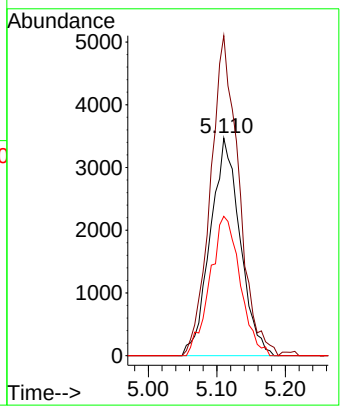





#21
trans-1,2-Dichloroethene
Concen: 5.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 1045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.0 | 116.3 | 174.5 |
| 98 | 64.0 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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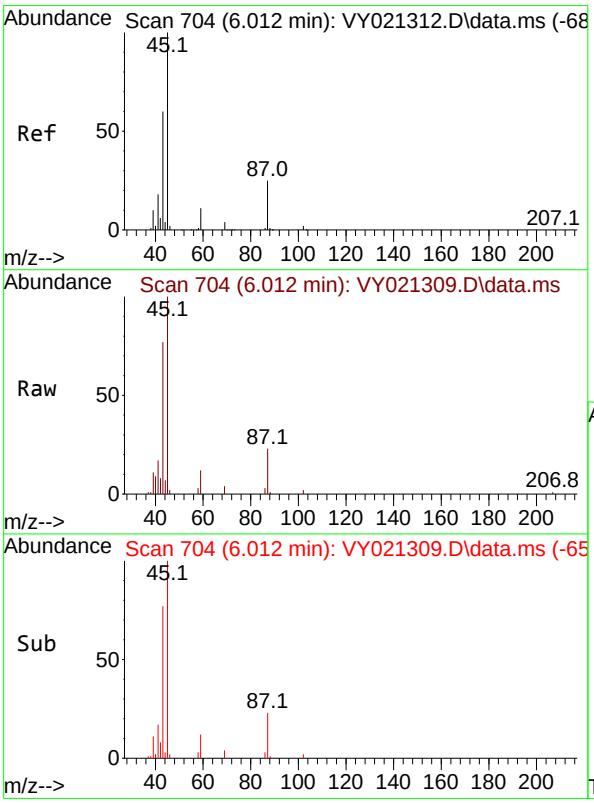
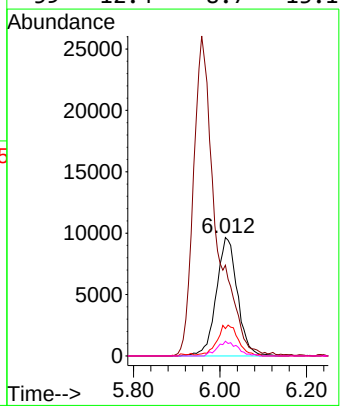
Supervised By :Mahesh Dadoda 02/26/2025

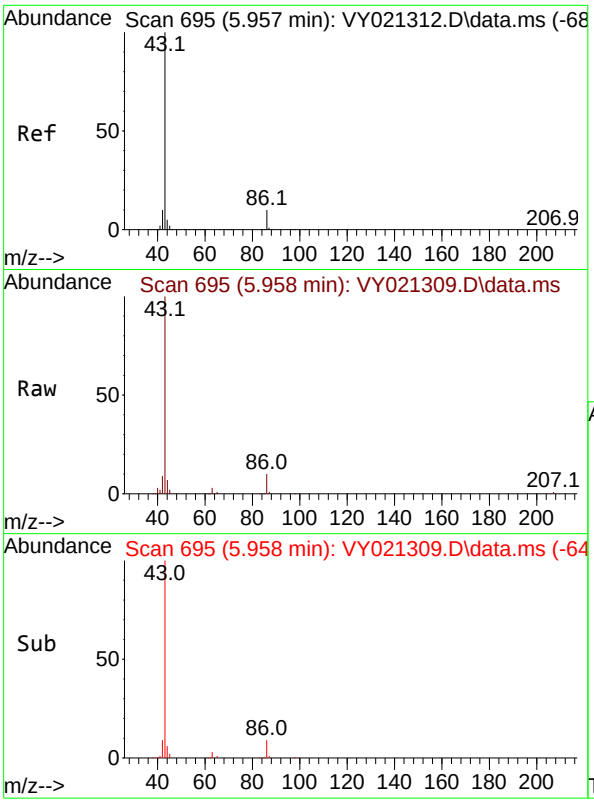



#22
Diisopropyl ether
Concen: 4.981 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 45 Resp: 32640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 75.5 | 48.2 | 72.4# |
| 87 | 23.1 | 20.3 | 30.5 |
| 59 | 12.4 | 8.7 | 13.1 |






#23
Vinyl Acetate
Concen: 24.067 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.5 | 8.0 | 12.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

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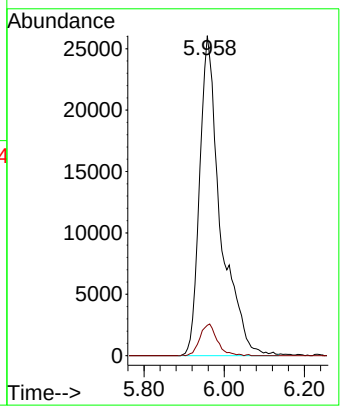
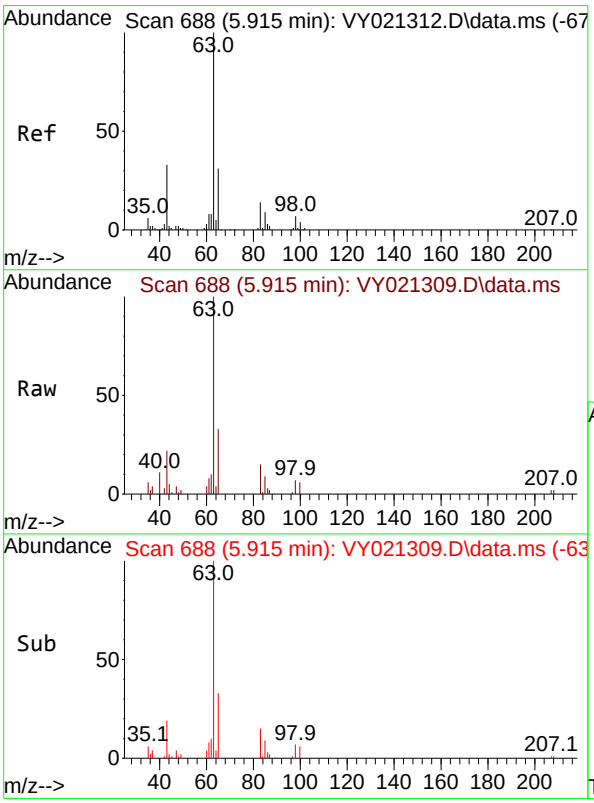
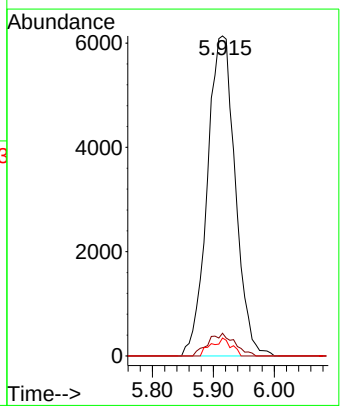


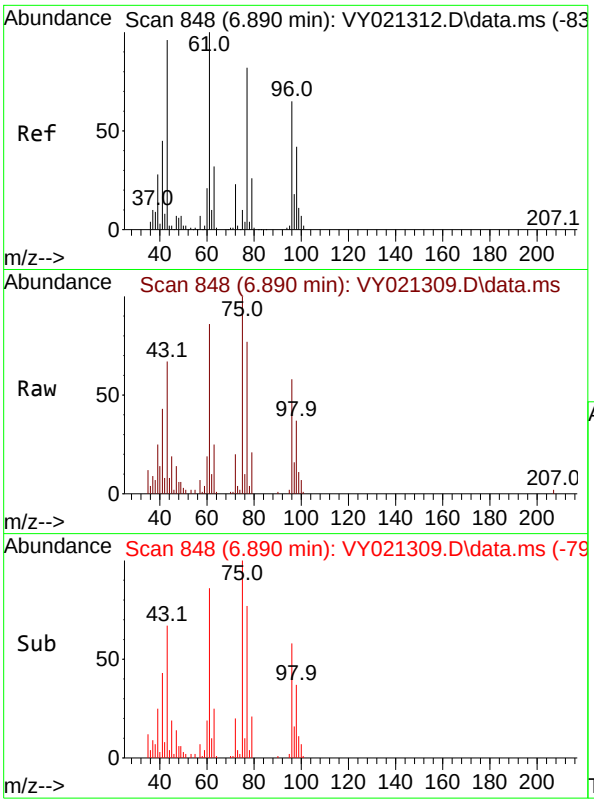




#24
1,1-Dichloroethane
Concen: 5.290 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 19538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.7 | 11.1 |
| 100 | 5.6 | 2.1 | 6.5 |






#25
2-Butanone
Concen: 24.599 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 1434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 29.6 | 19.0 | 28.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

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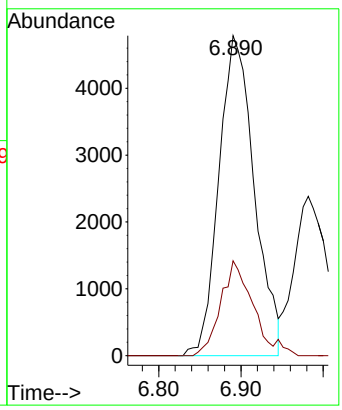
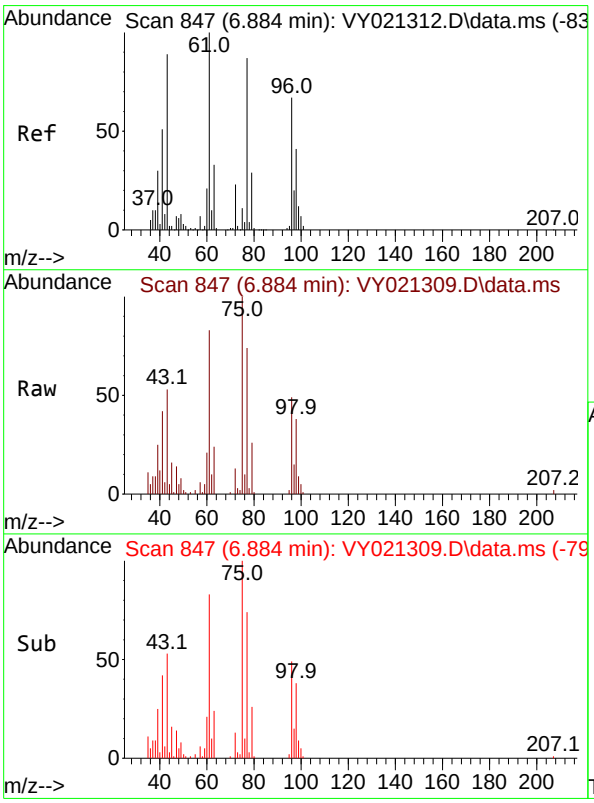
Supervised By :Mahesh Dadoda 02/26/2025

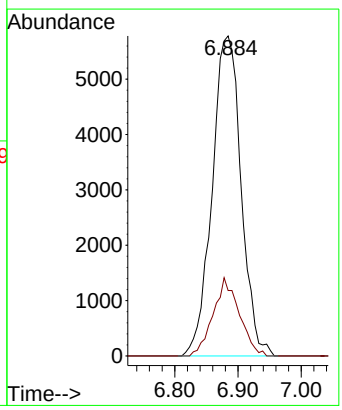


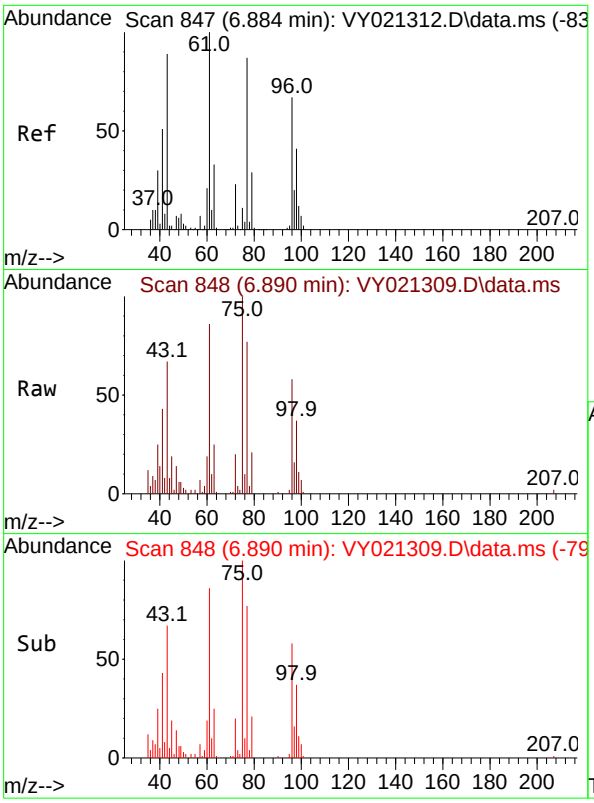




#26
2,2-Dichloropropane
Concen: 5.488 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 77 Resp: 18391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 10.9 | 32.7 |

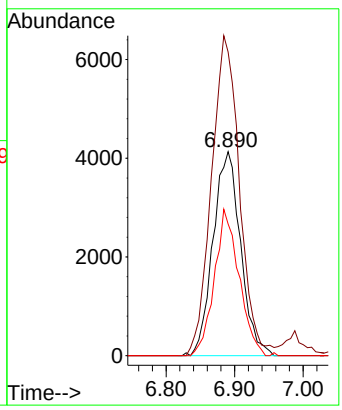





#27
cis-1,2-Dichloroethene
Concen: 5.132 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 1152

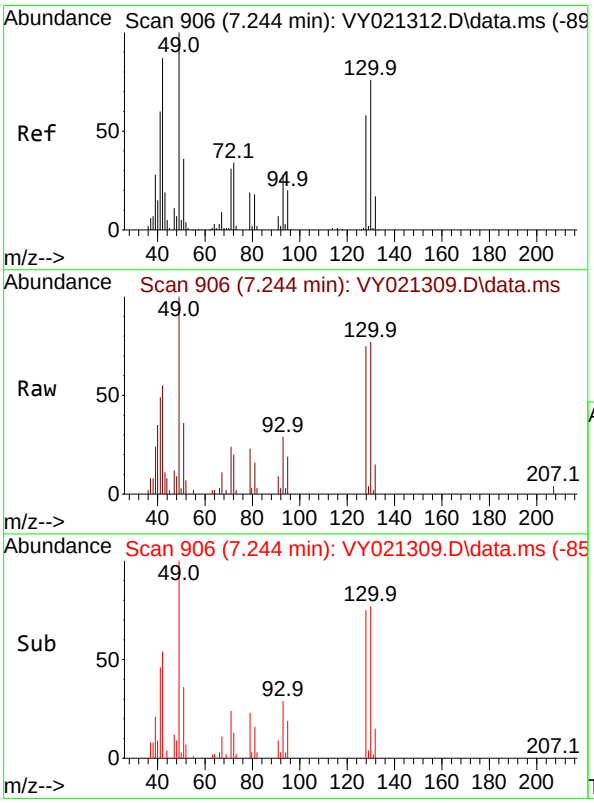
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.3 | 0.0 | 308.0 |
| 98 | 64.2 | 0.0 | 129.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

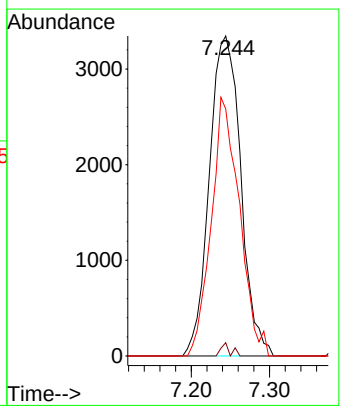
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

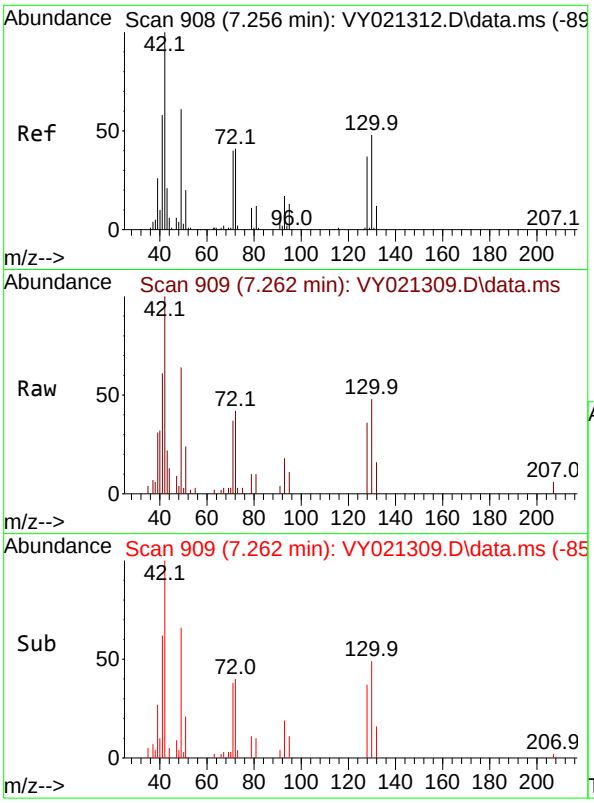



#28
Bromochloromethane
Concen: 5.702 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 49 Resp: 9318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.2 | 0.0 | 4.0 |
| 130 | 72.6 | 57.8 | 86.6 |

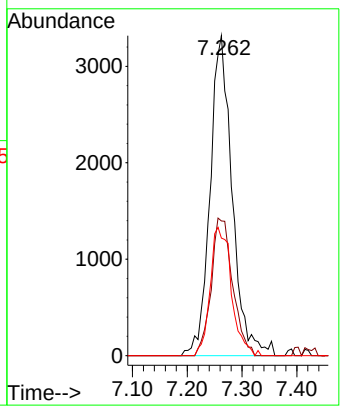





#29
Tetrahydrofuran
Concen: 24.455 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 42 Resp: 931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.6 | 33.1 | 49.7 |
| 71 | 38.3 | 31.4 | 47.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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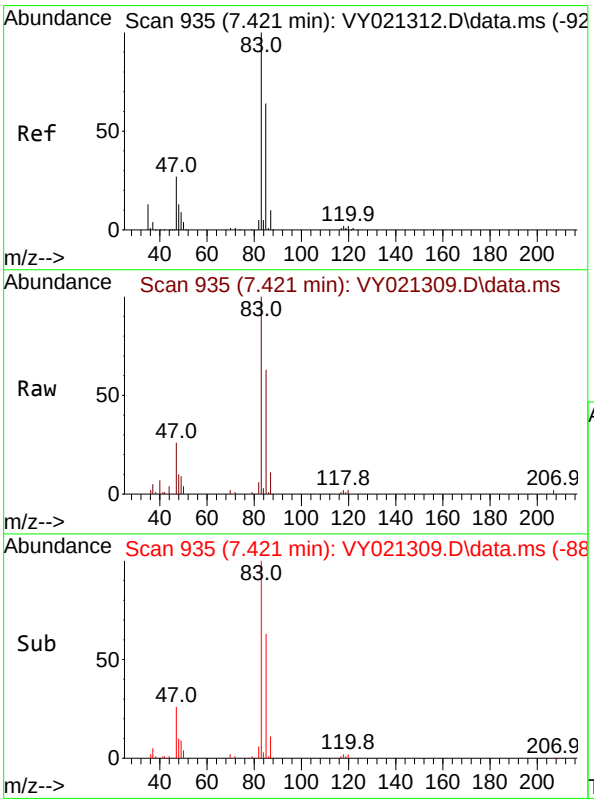
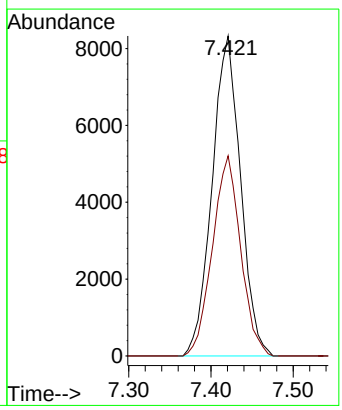
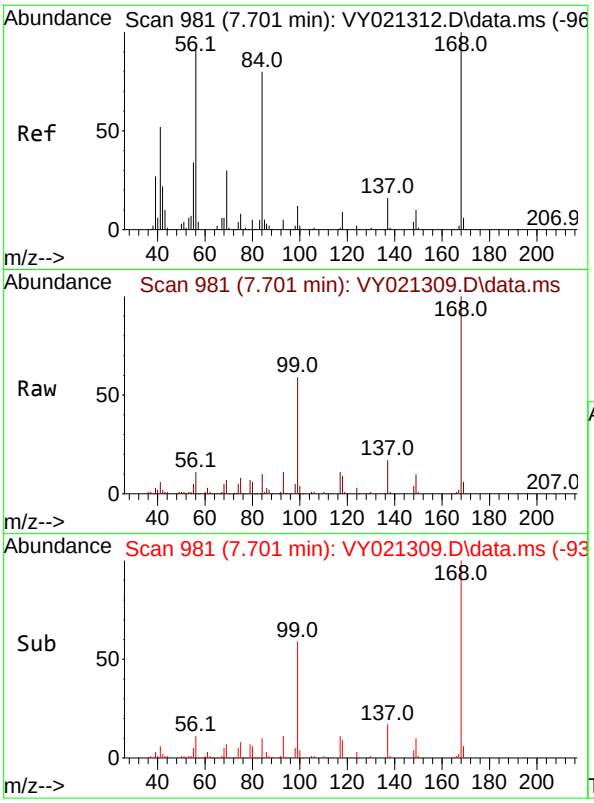



#30
Chloroform
Concen: 5.351 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 20025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 51.6 | 77.4 |

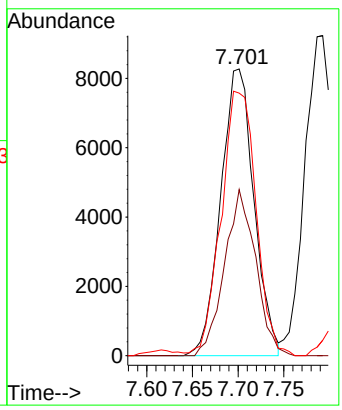





#31
Cyclohexane
Concen: 5.912 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 56 Resp: 2099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 57.9 | 26.2 | 39.4 |
| 84 | 90.3 | 70.2 | 105.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

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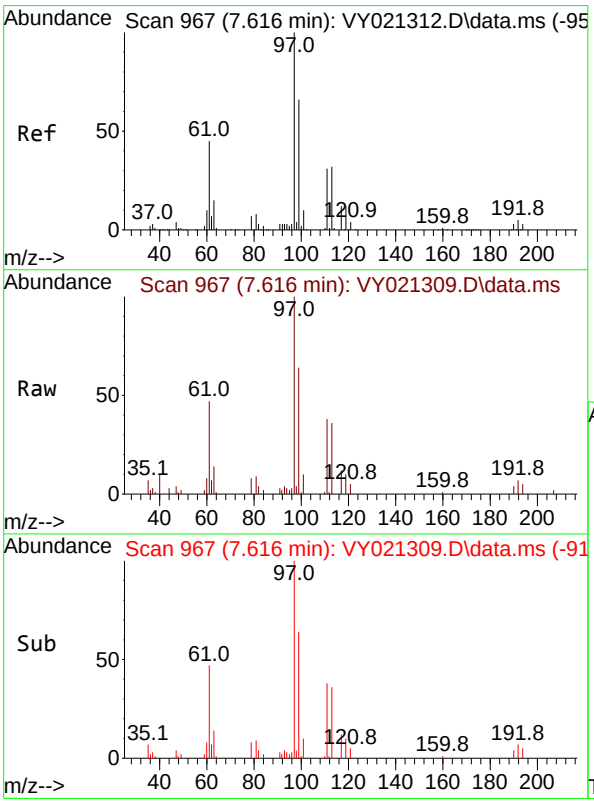
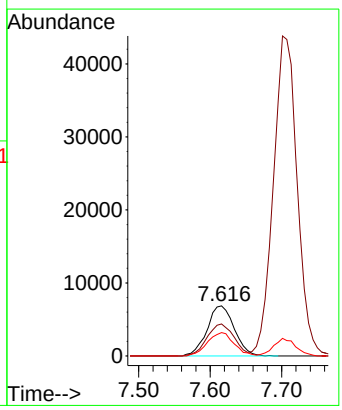
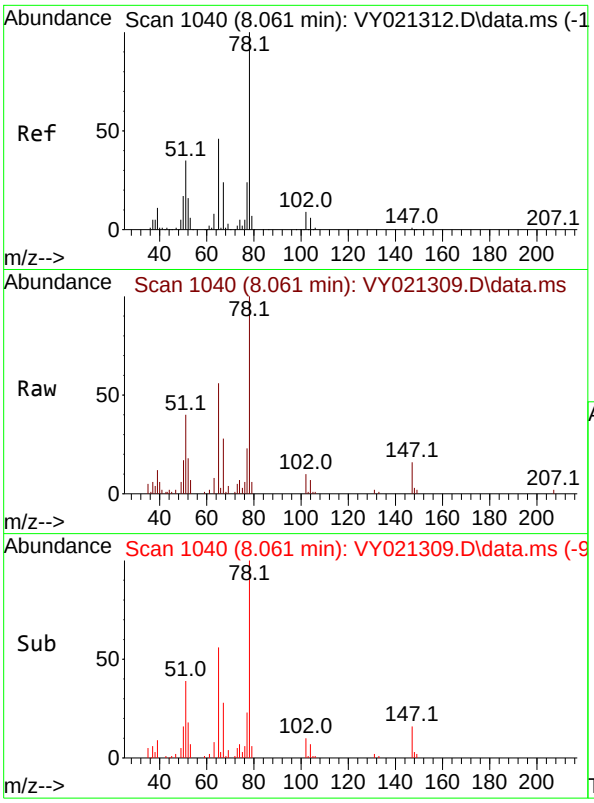



#32
1,1,1-Trichloroethane
Concen: 5.315 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 18106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 52.4 | 78.6 |
| 61 | 45.7 | 36.2 | 54.2 |

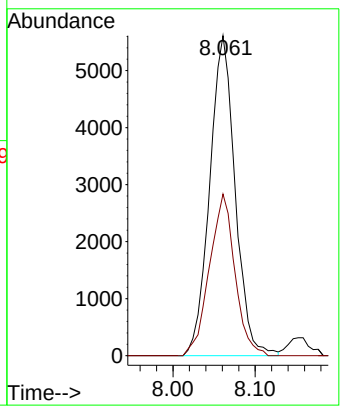





#33
1,2-Dichloroethane-d4
Concen: 6.003 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 65 Resp: 1208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 103.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

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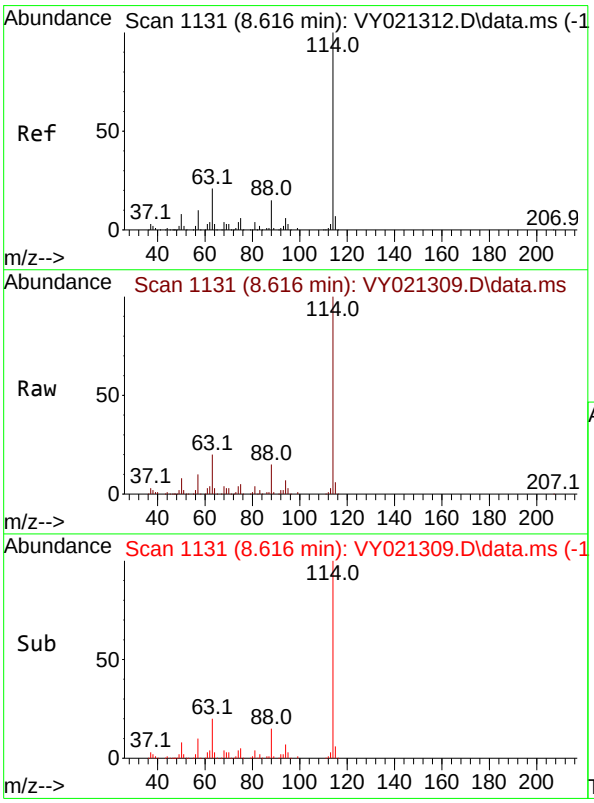
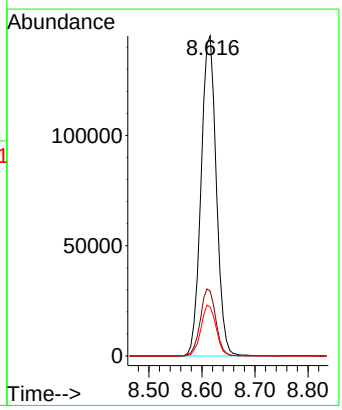
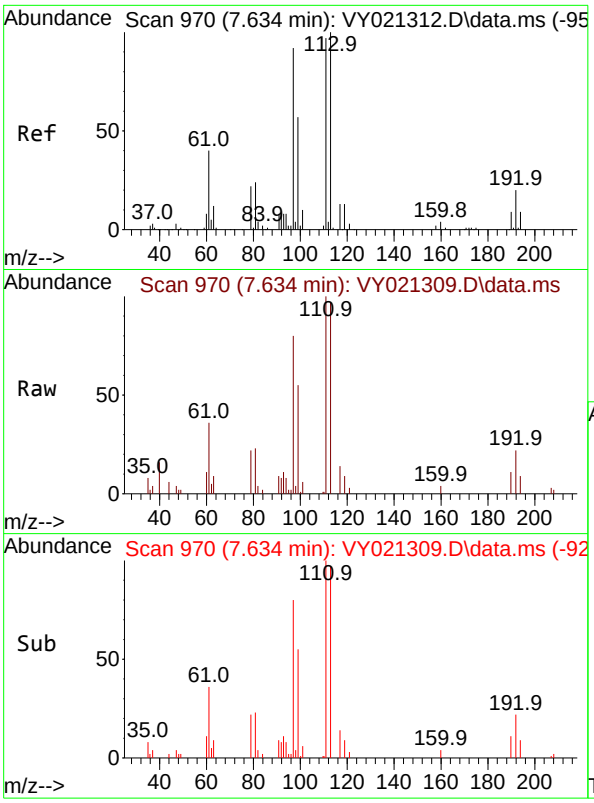



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:114 Resp: 289913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 42.2 |
| 88 | 15.2 | 0.0 | 29.8 |

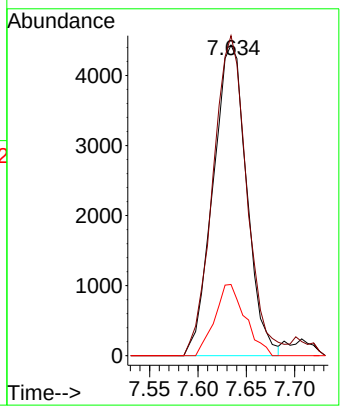





#35
Dibromofluoromethane
Concen: 5.637 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:113 Resp: 1071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.6 | 81.0 | 121.6 |
| 192 | 20.8 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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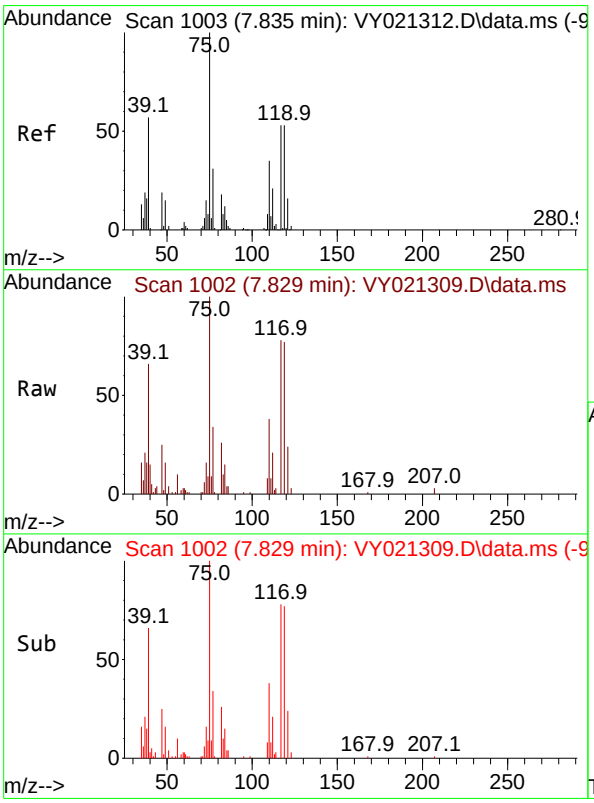
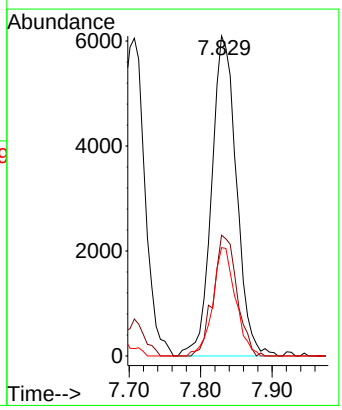
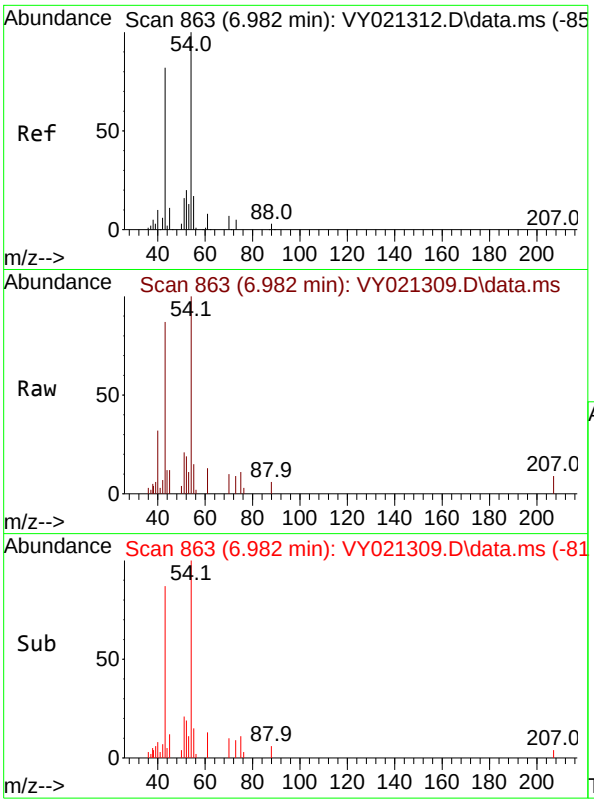



#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 14719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.9 | 16.9 | 50.7 |
| 77 | 31.0 | 24.6 | 36.8 |

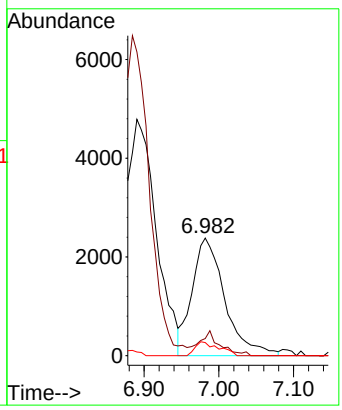





#37
Ethyl Acetate
Concen: 5.119 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 10.4 | 15.6 |
| 70 | 8.5 | 7.5 | 11.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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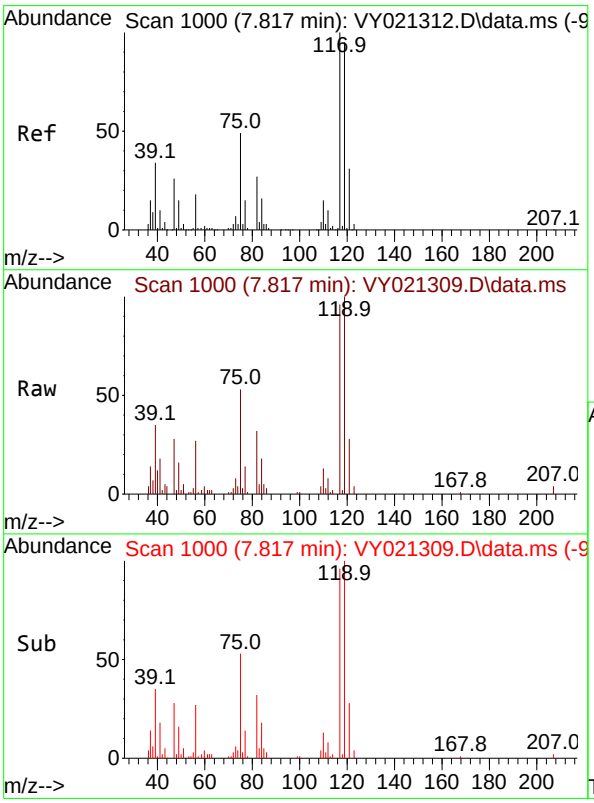
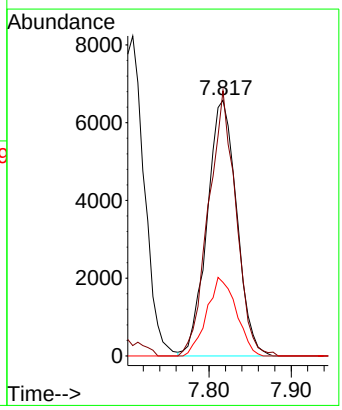
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

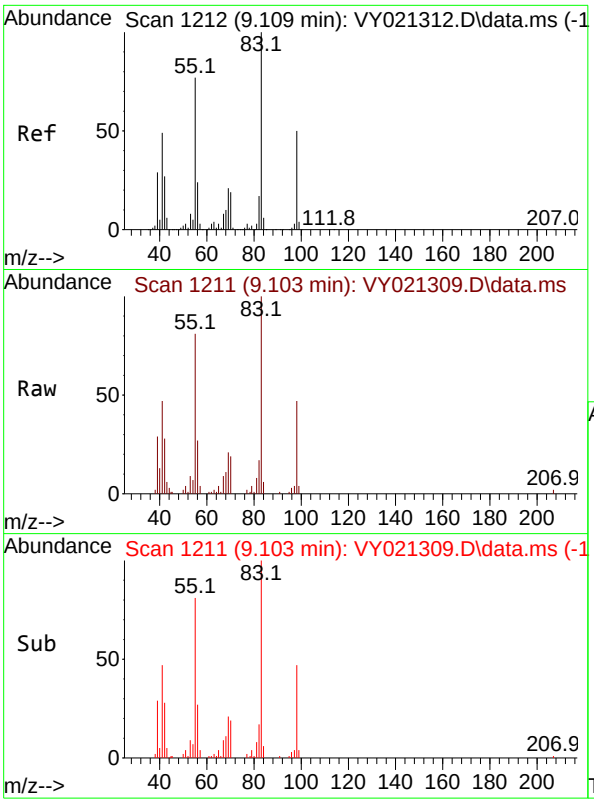



#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 16445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 103.8 | 76.0 | 114.0 |
| 121 | 28.8 | 24.9 | 37.3 |

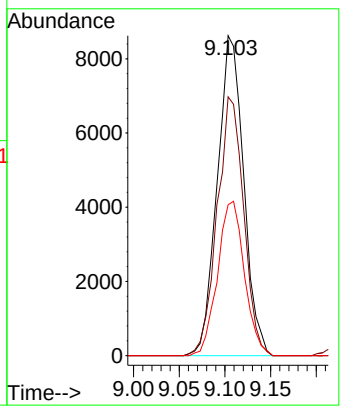





#39
Methylcyclohexane
Concen: 4.795 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 1731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.9 | 61.3 | 91.9 |
| 98 | 47.2 | 39.9 | 59.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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Reviewed By :Romaben Patel 02/26/2025
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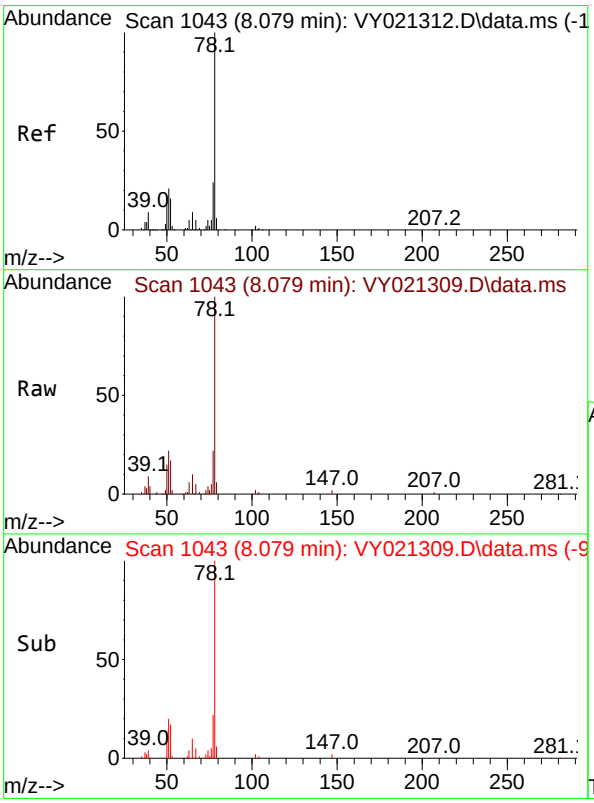
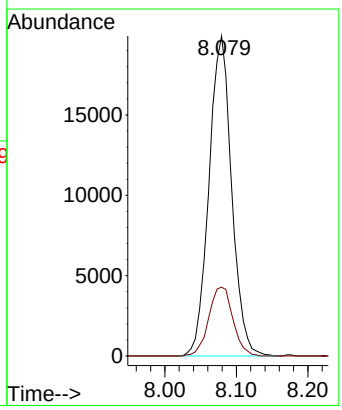
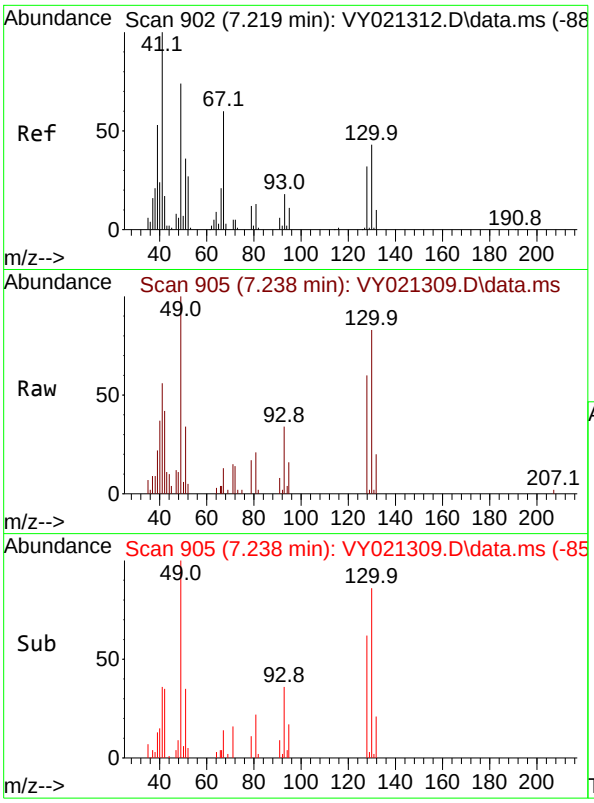



#40
Benzene
Concen: 5.203 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 78 Resp: 43912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.5 | 19.2 | 28.8 |

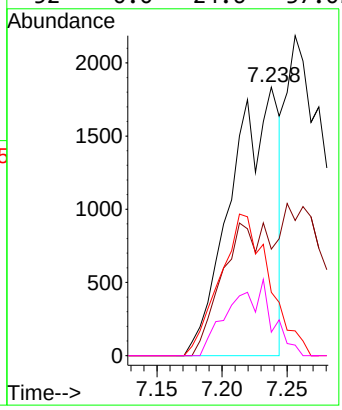





#41
Methacrylonitrile
Concen: 5.908 ug/l m
RT: 7.238 min Scan# 9
Delta R.T. 0.018 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 35.3 | 42.3 | 63.5# |
| 67 | 54.1 | 54.8 | 82.2# |
| 52 | 0.0 | 24.6 | 37.0# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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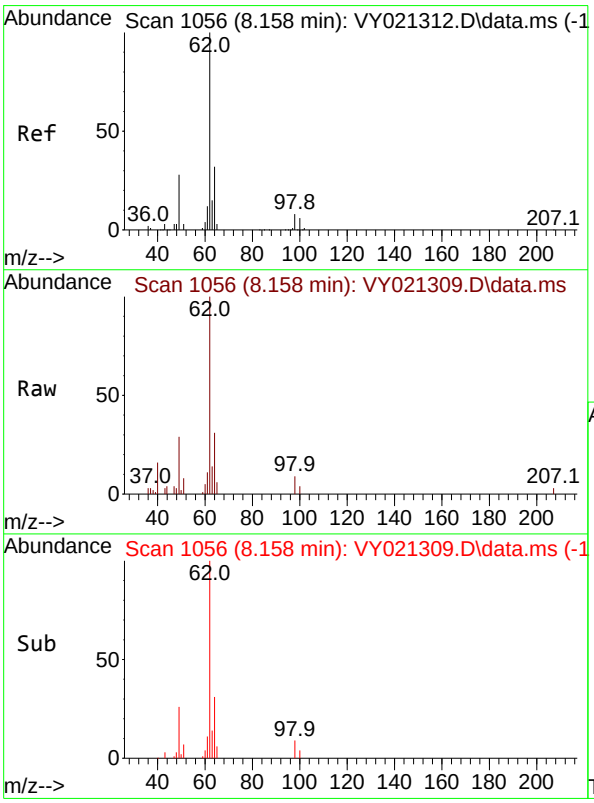
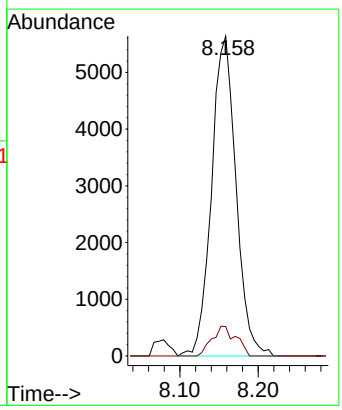
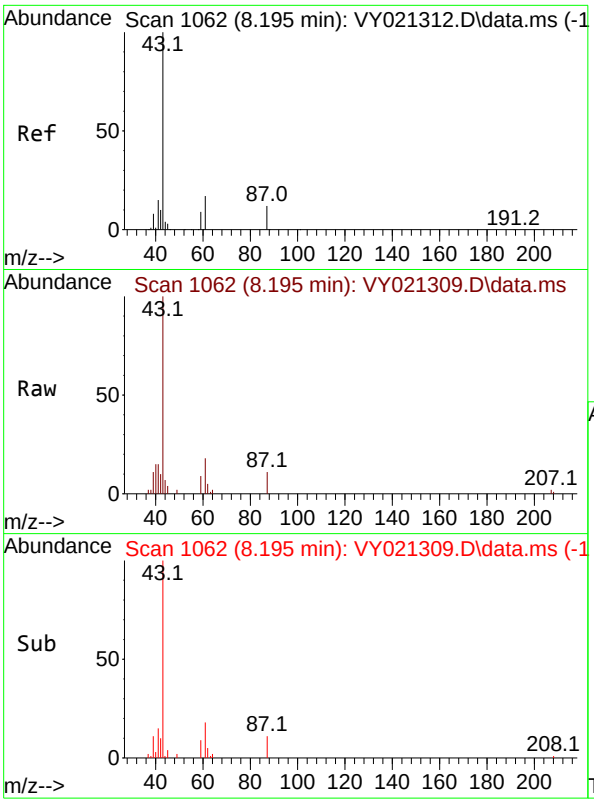



#42
1,2-Dichloroethane
Concen: 5.110 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 12236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.6 |

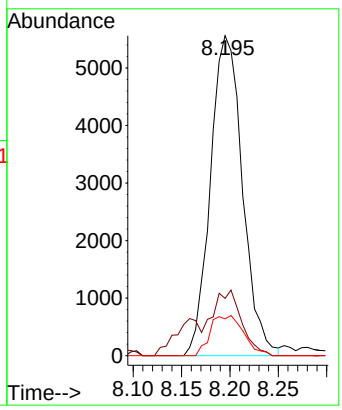





#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 1283

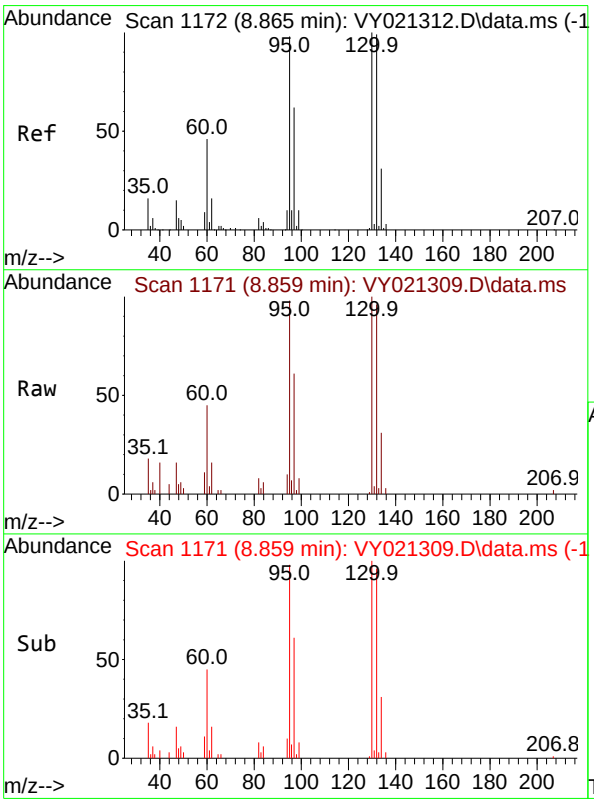
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.7 | 15.0 | 22.6 |
| 87 | 13.0 | 10.0 | 15.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

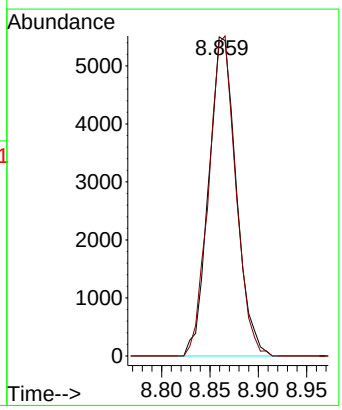
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

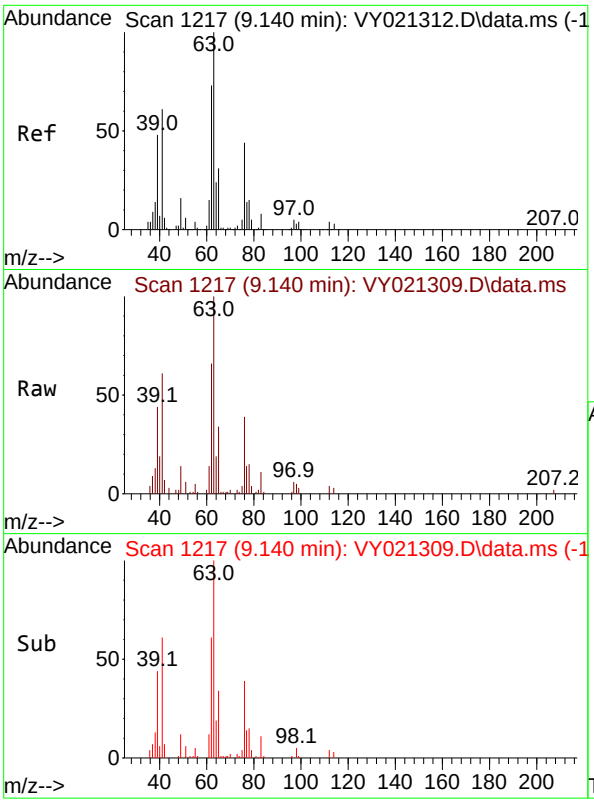



#44
Trichloroethene
Concen: 5.143 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:130 Resp: 10868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.2 | 0.0 | 196.0 |

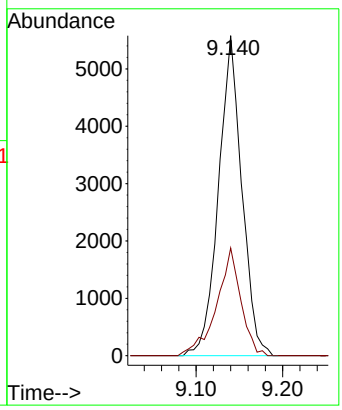





#45
1,2-Dichloropropane
Concen: 5.133 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 1042

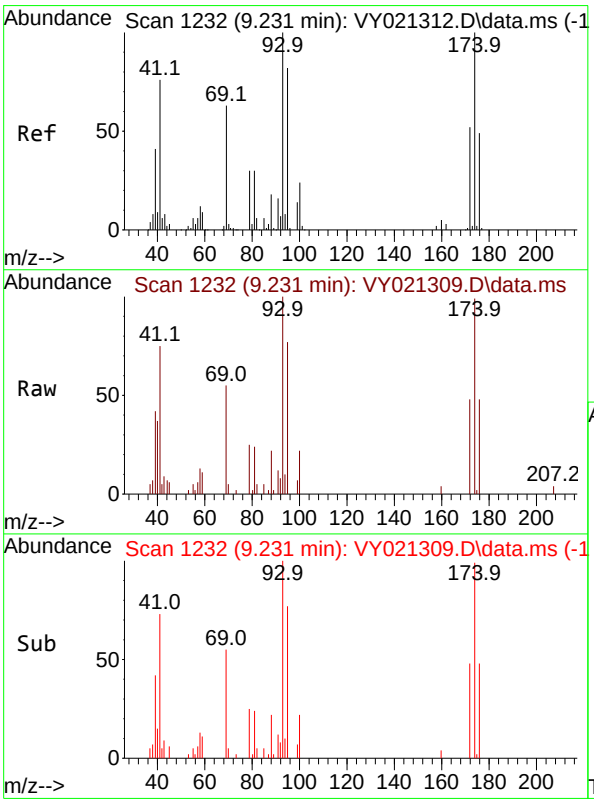
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.6 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

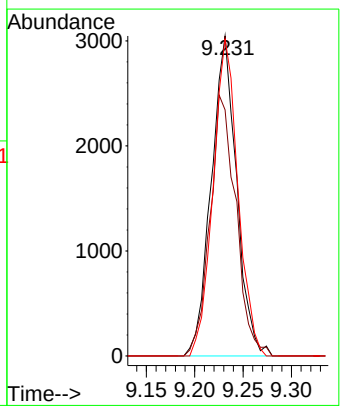
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

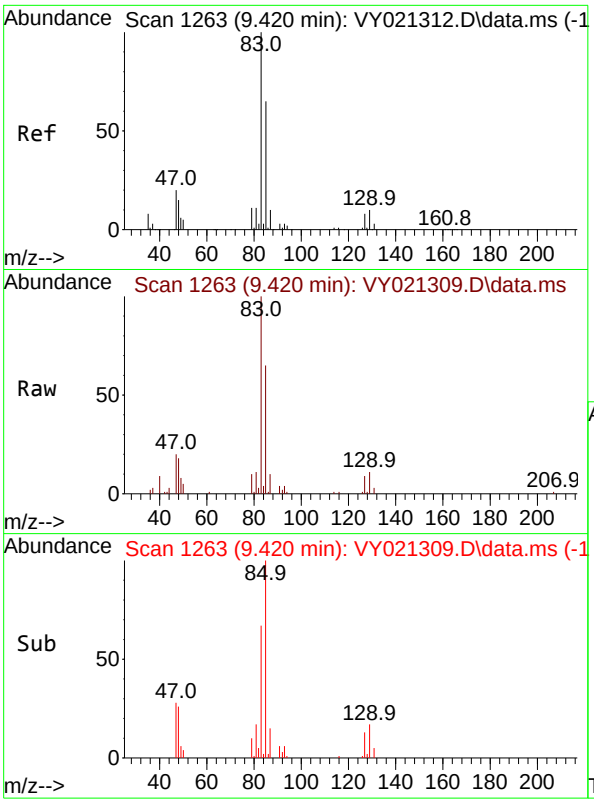



#46
Dibromomethane
Concen: 5.005 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 93 Resp: 5557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.1 | 66.4 | 99.6 |
| 174 | 97.3 | 78.2 | 117.2 |

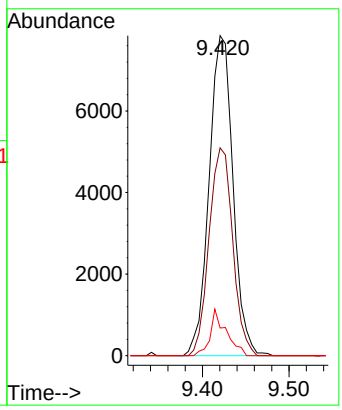





#47
Bromodichloromethane
Concen: 5.081 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 1504

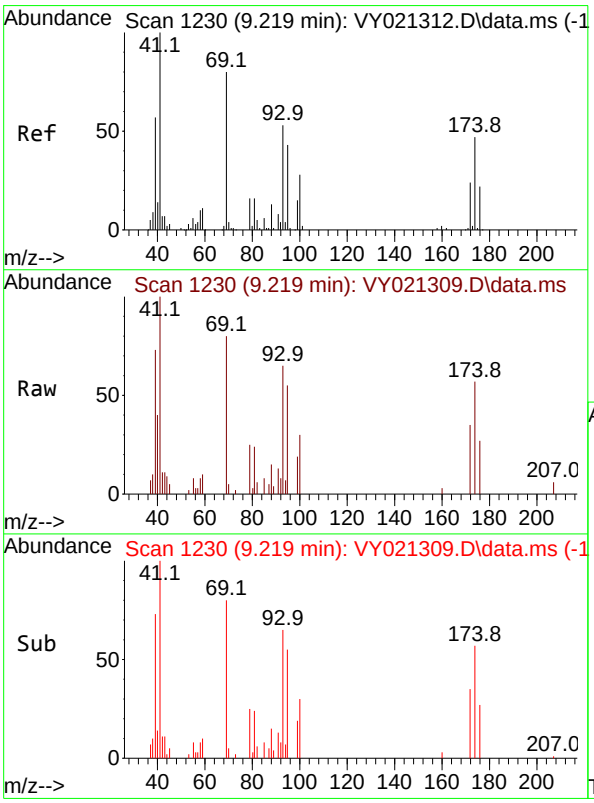
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 51.8 | 77.8 |
| 127 | 8.7 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

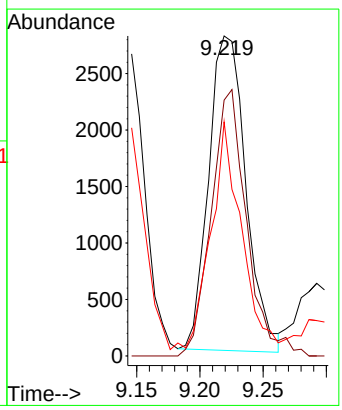
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

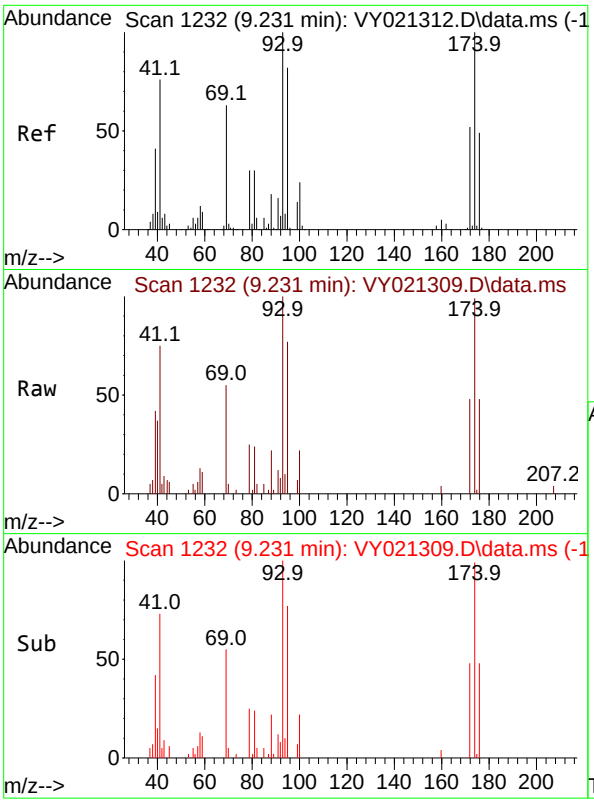



#48
Methyl methacrylate
Concen: 4.433 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 5698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.6 | 63.3 | 94.9 |
| 39 | 62.7 | 45.0 | 67.6 |

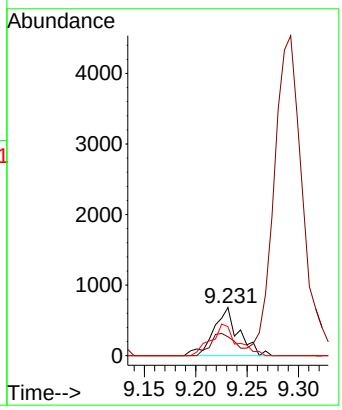





#49
1,4-Dioxane
Concen: 94.292 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 88 Resp: 116

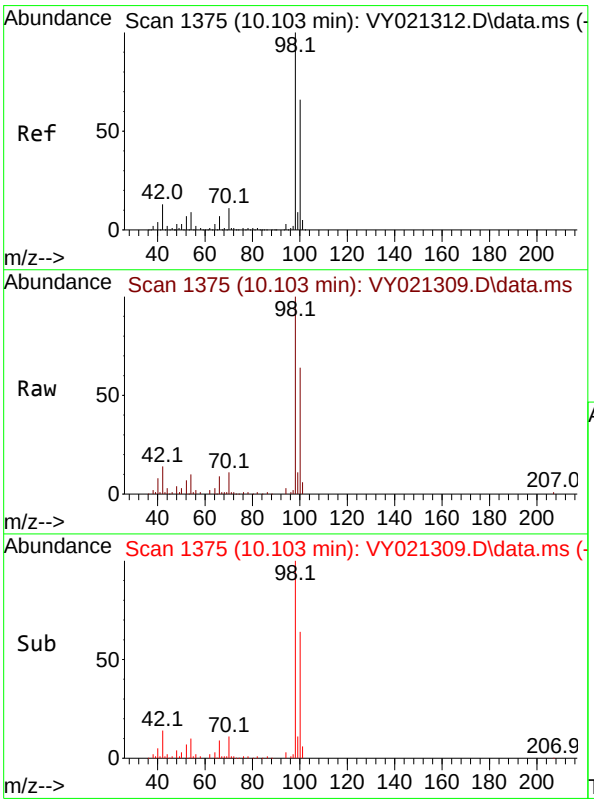
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.6 | 34.8 | 52.2 |
| 58 | 67.1 | 59.8 | 89.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

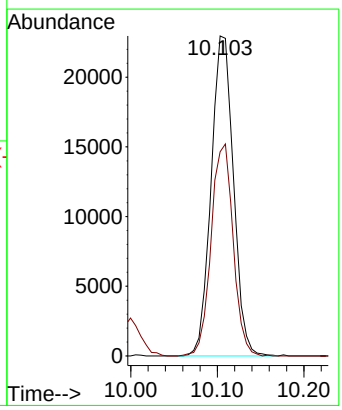
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

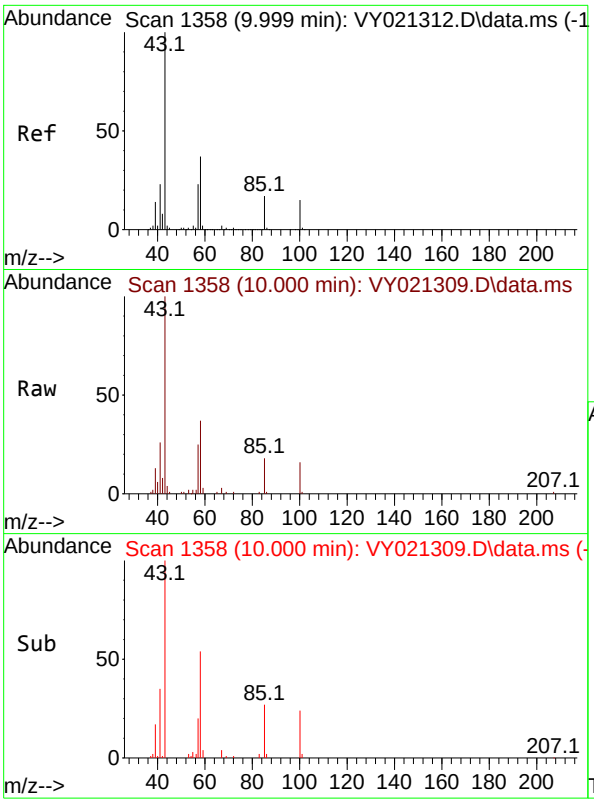



#50
Toluene-d8
Concen: 5.603 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 98 Resp: 41158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.3 | 52.4 | 78.6 |

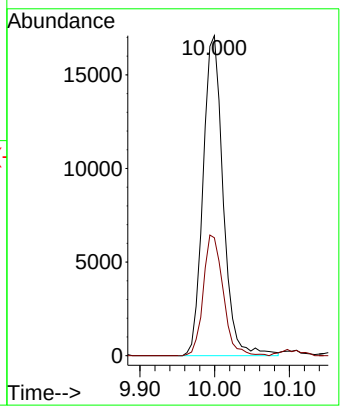





#51
4-Methyl-2-Pentanone
Concen: 22.677 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 3191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.3 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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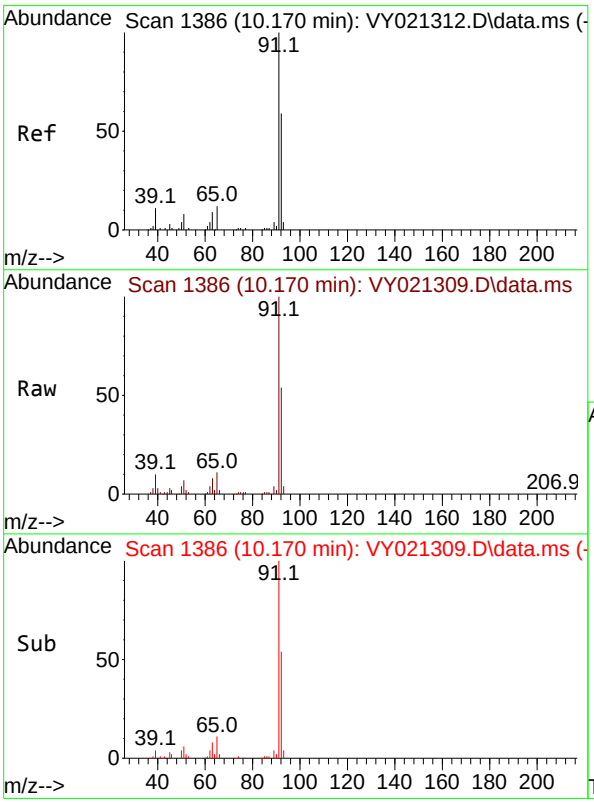
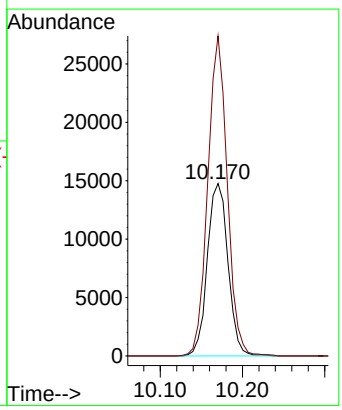
Supervised By :Mahesh Dadoda 02/26/2025

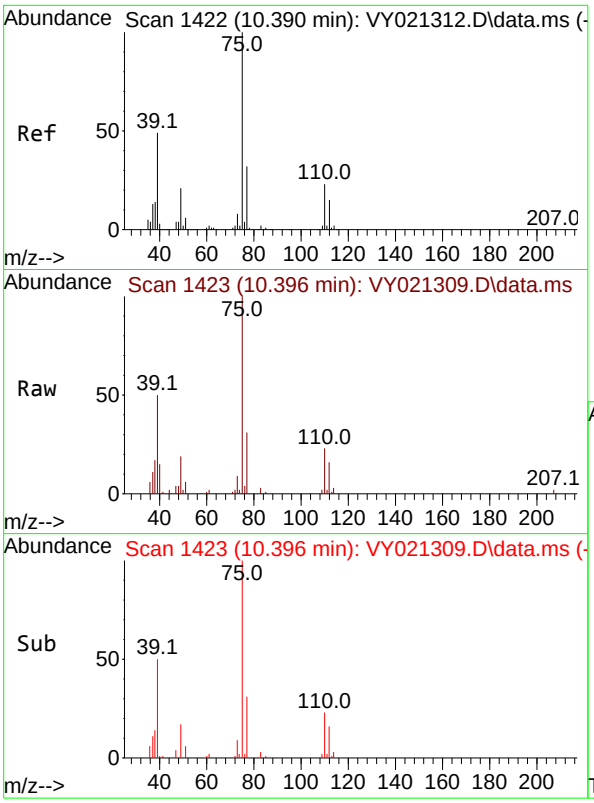



#52
Toluene
Concen: 4.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 92 Resp: 25715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.2 | 137.8 | 206.8 |

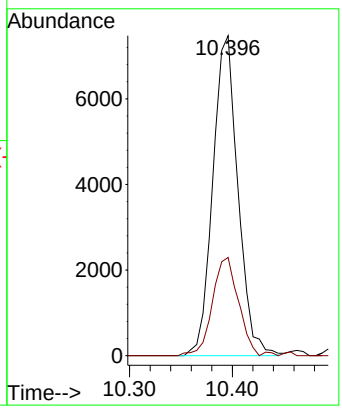





#53
t-1,3-Dichloropropene
Concen: 4.682 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.3 | 37.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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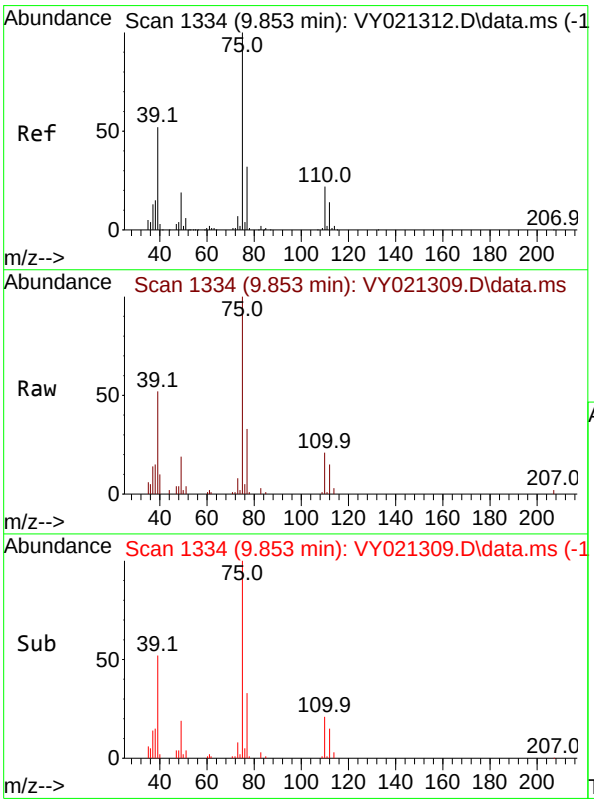
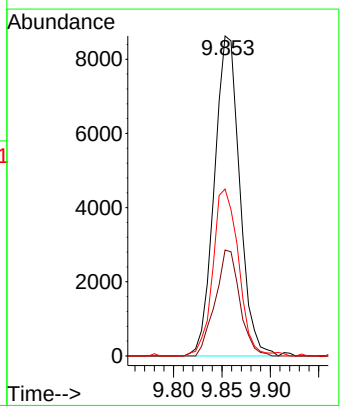
Supervised By :Mahesh Dadoda 02/26/2025

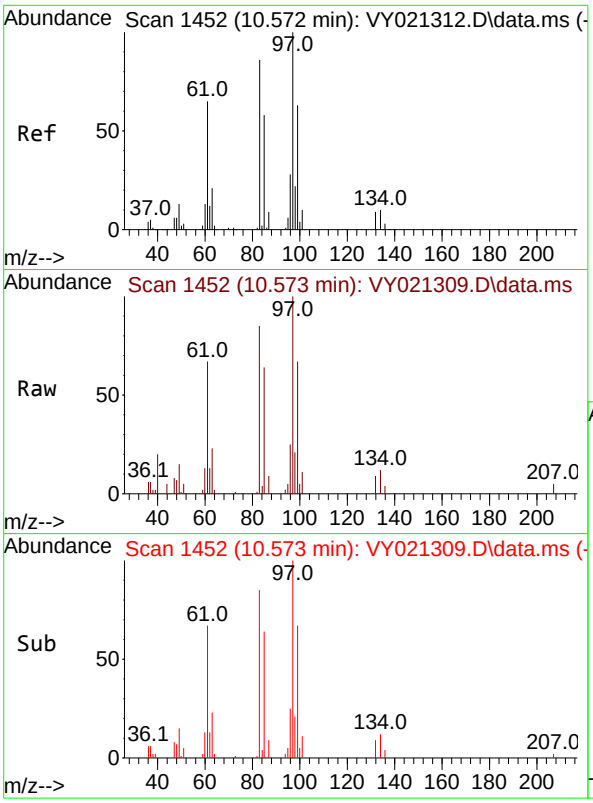



#54
cis-1,3-Dichloropropene
Concen: 4.899 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 15685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 25.7 | 38.5 |
| 39 | 52.2 | 41.8 | 62.6 |

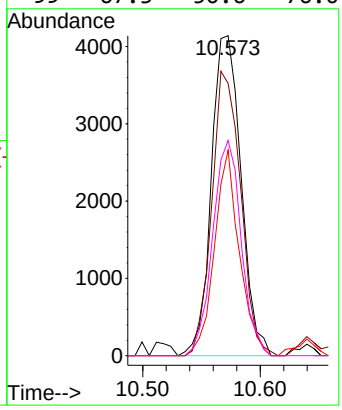





#55
1,1,2-Trichloroethane
Concen: 5.019 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.1 | 68.7 | 103.1 |
| 85 | 64.3 | 46.3 | 69.5 |
| 99 | 67.3 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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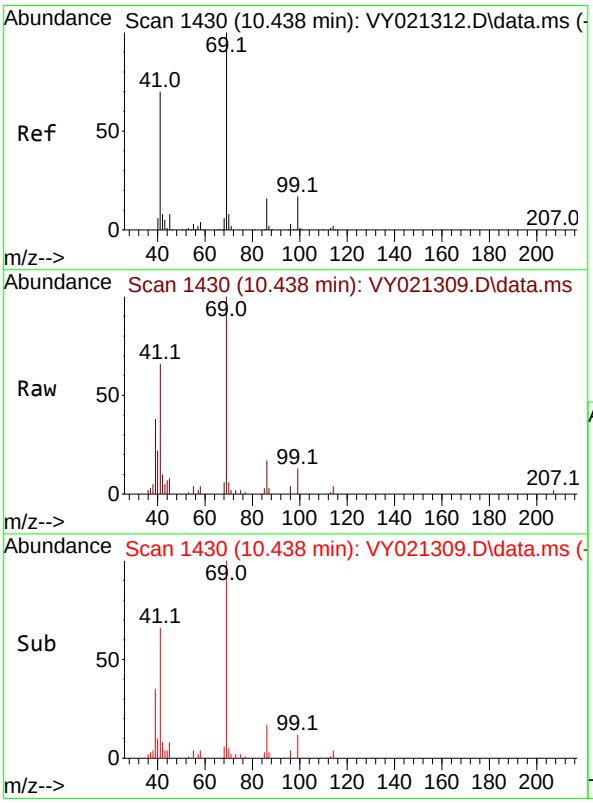
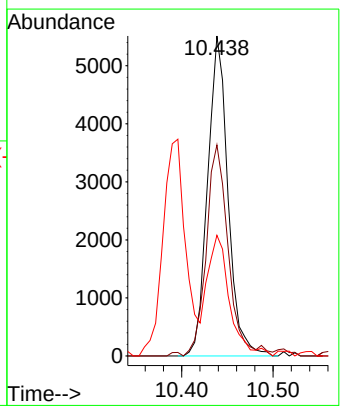
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

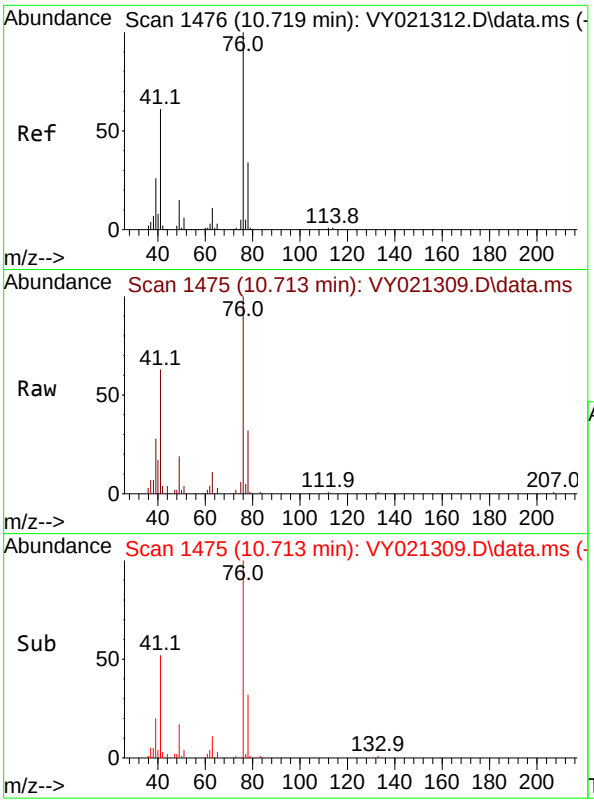



#56
Ethyl methacrylate
Concen: 4.267 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 69 Resp: 8528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.9 | 56.2 | 84.4 |
| 39 | 40.8 | 32.7 | 49.1 |

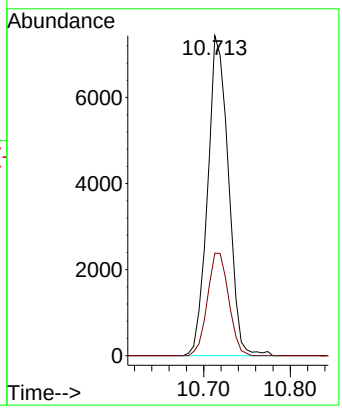





#57
1,3-Dichloropropane
Concen: 4.880 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 76 Resp: 1238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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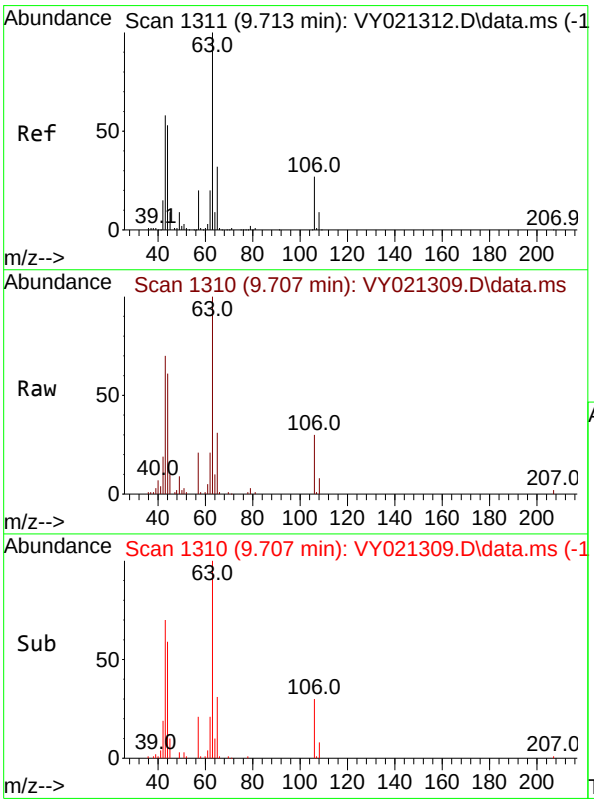
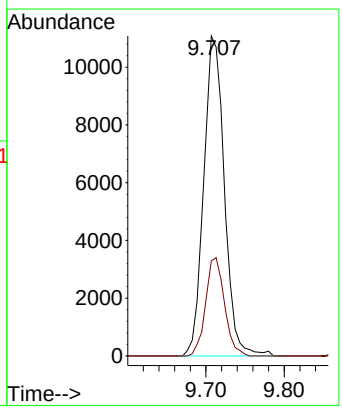
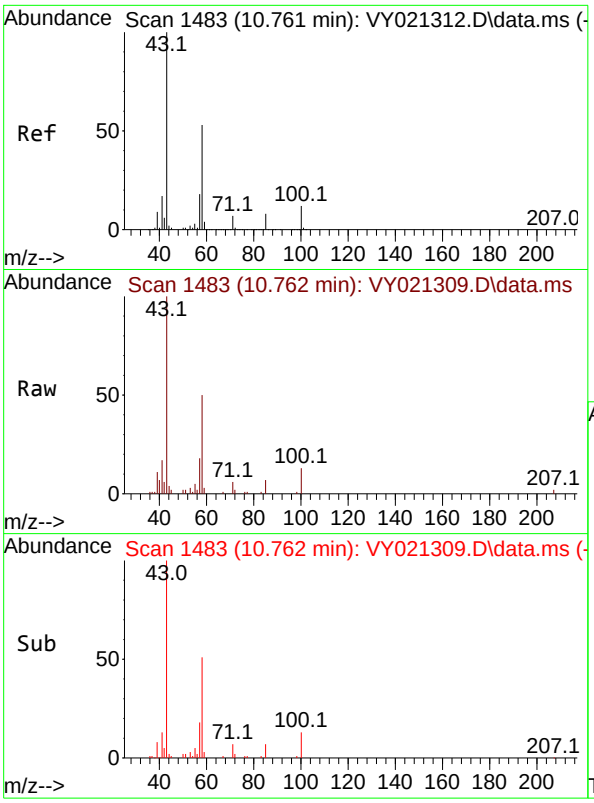



#58
2-Chloroethyl Vinyl ether
Concen: 21.153 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 20290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.0 | 21.7 | 32.5 |

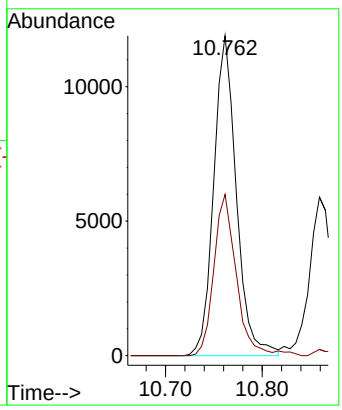





#59
2-Hexanone
Concen: 20.897 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 1931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.3 | 25.9 | 77.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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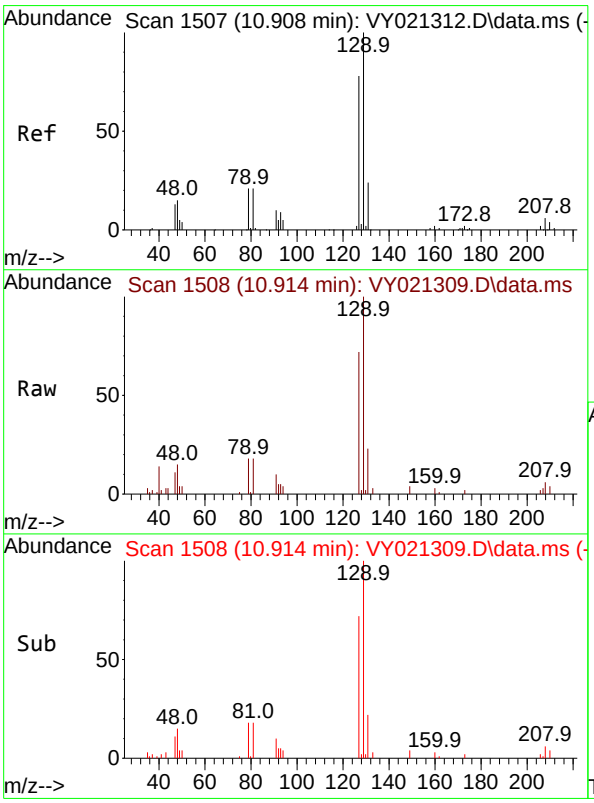
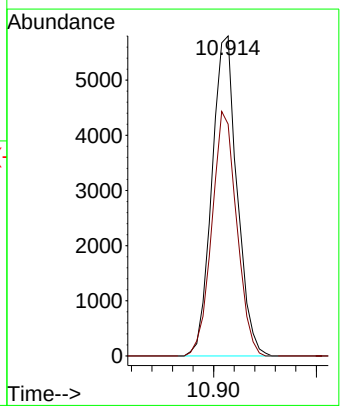
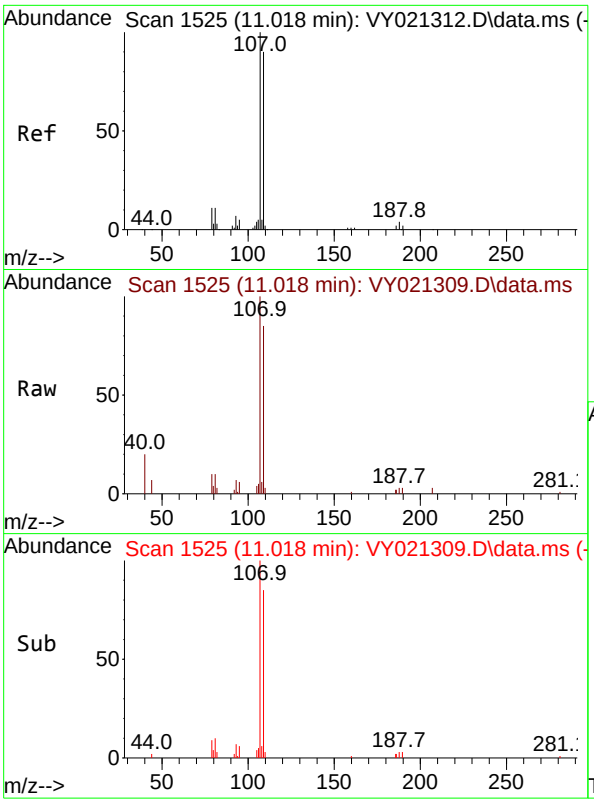



#60
Dibromochloromethane
Concen: 4.998 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:129 Resp: 9844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.4 | 38.8 | 116.4 |

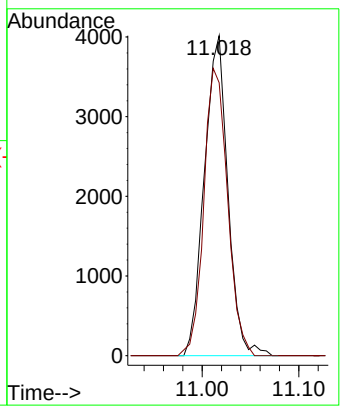





#61
1,2-Dibromoethane
Concen: 4.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:107 Resp: 679

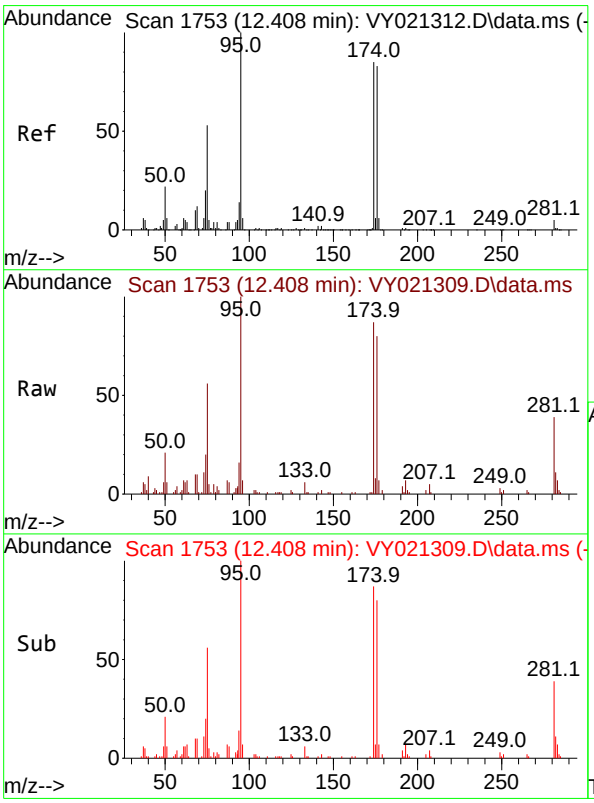
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 90.5 | 73.8 | 110.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

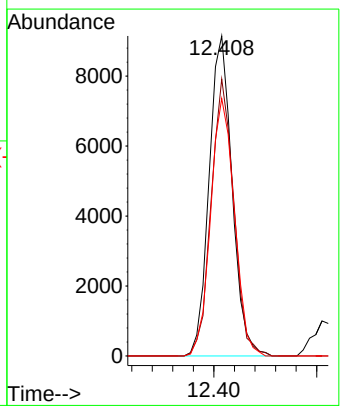
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

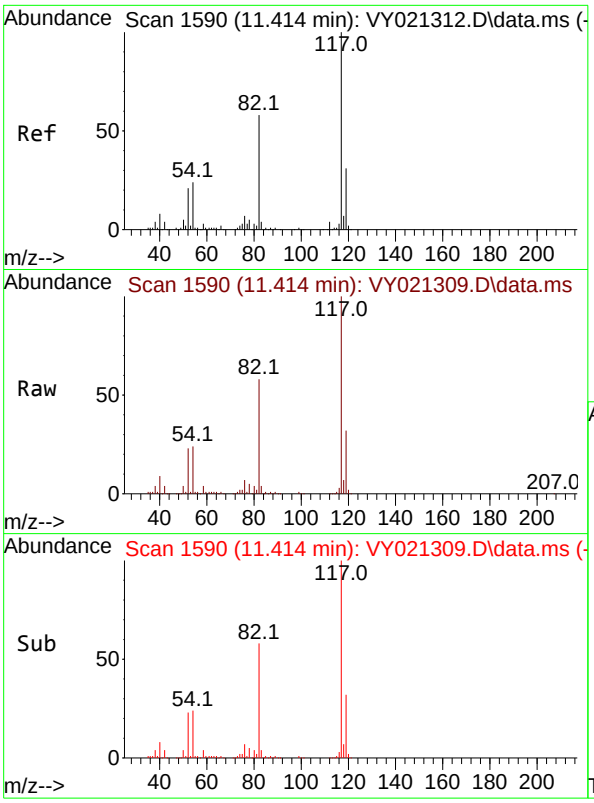



#62
4-Bromofluorobenzene
Concen: 5.741 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 95 Resp: 14192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.3 | 0.0 | 168.0 |
| 176 | 83.1 | 0.0 | 162.6 |

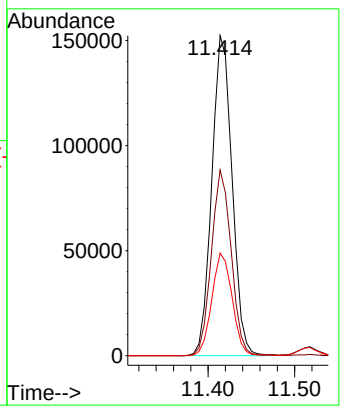





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 24783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 46.2 | 69.4 |
| 119 | 32.0 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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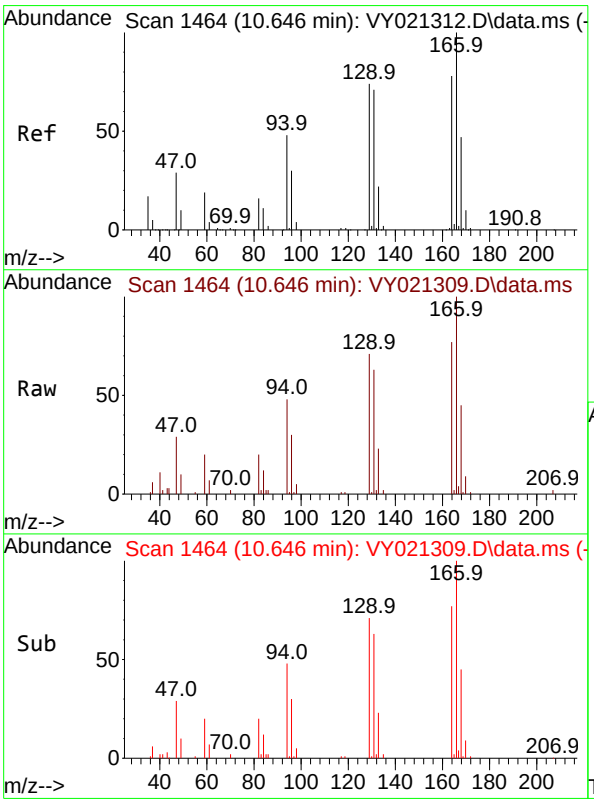
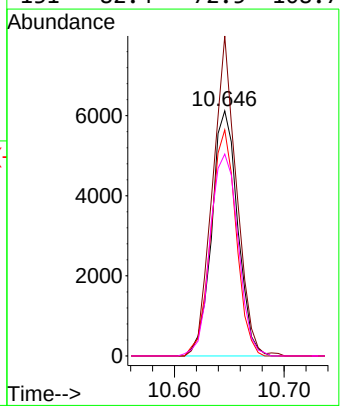
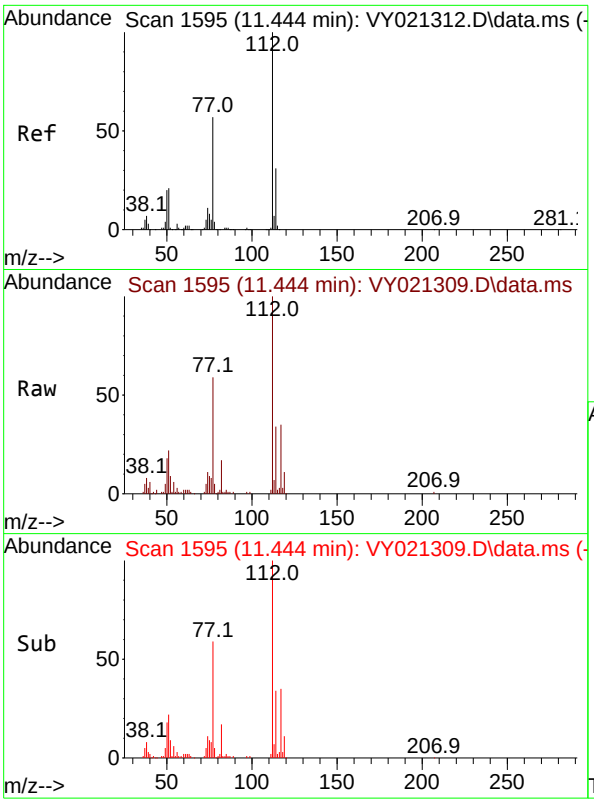



#64
Tetrachloroethene
Concen: 5.361 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:164 Resp: 10042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.6 | 101.9 | 152.9 |
| 129 | 92.3 | 75.5 | 113.3 |
| 131 | 82.4 | 72.5 | 108.7 |

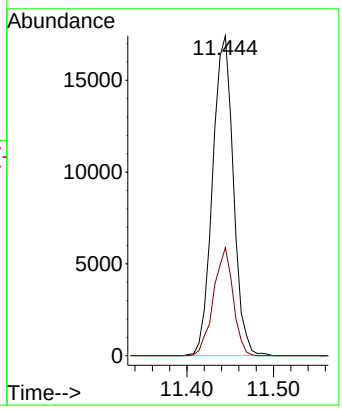





#65
Chlorobenzene
Concen: 5.217 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:112 Resp: 2902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.8 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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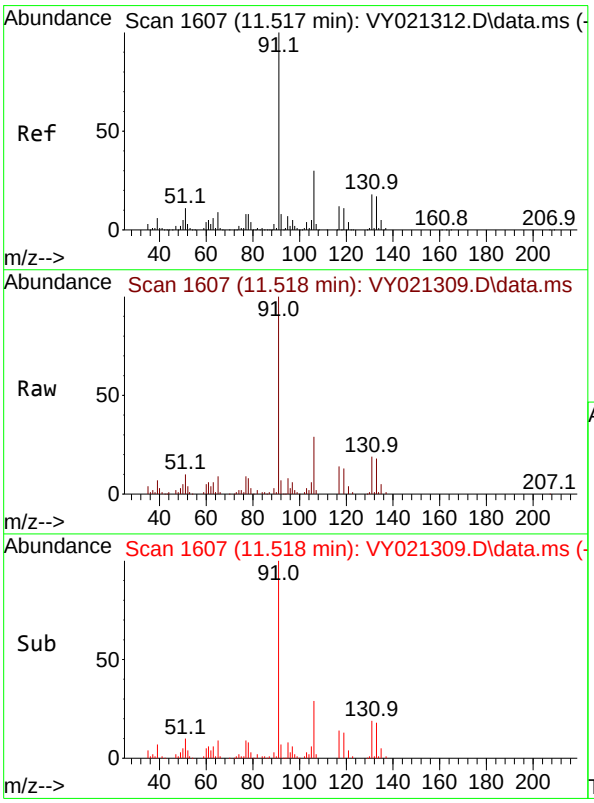
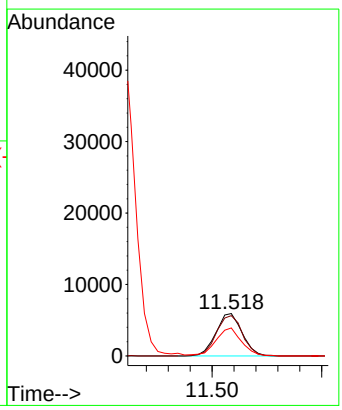
Supervised By :Mahesh Dadoda 02/26/2025

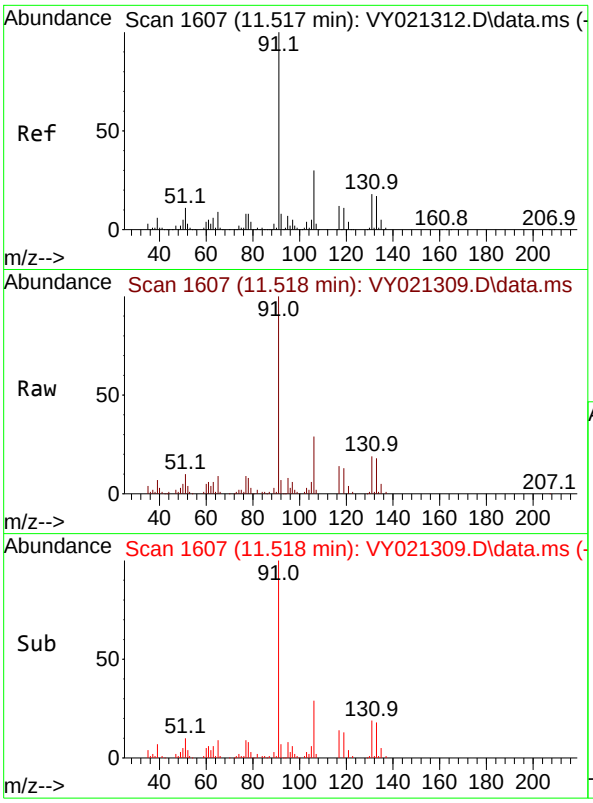



#66
1,1,1,2-Tetrachloroethane
Concen: 5.043 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:131 Resp: 9824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.8 | 47.9 | 143.6 |
| 119 | 64.5 | 31.7 | 95.1 |

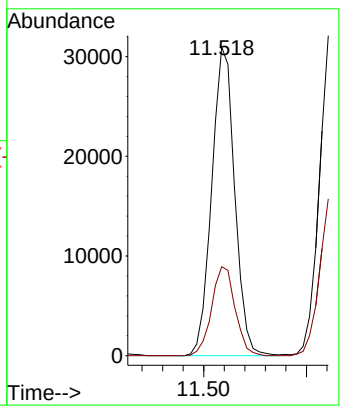





#67
Ethyl Benzene
Concen: 4.874 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 4802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.8 | 24.4 | 36.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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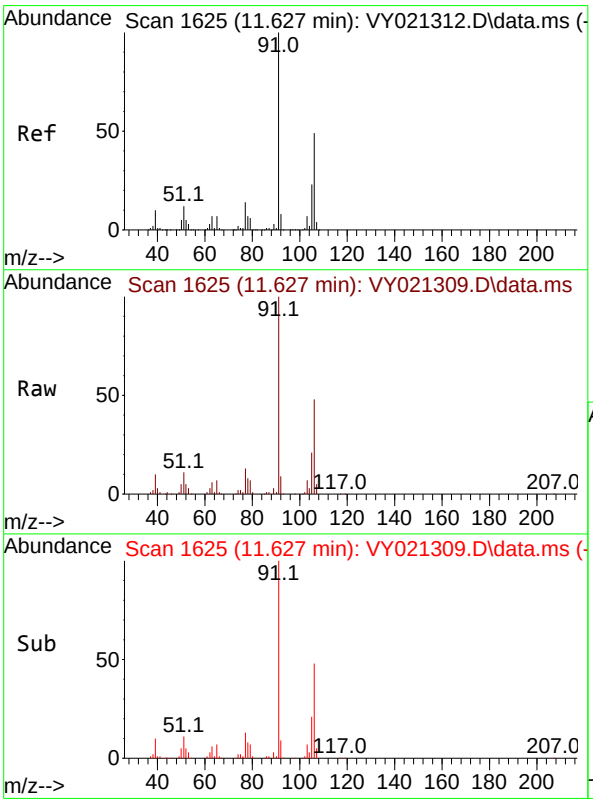
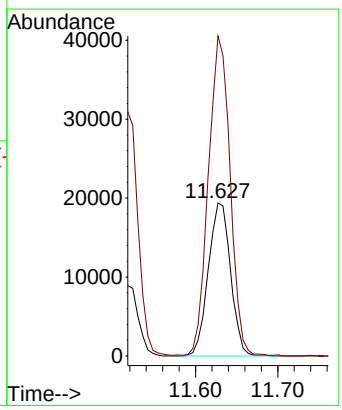
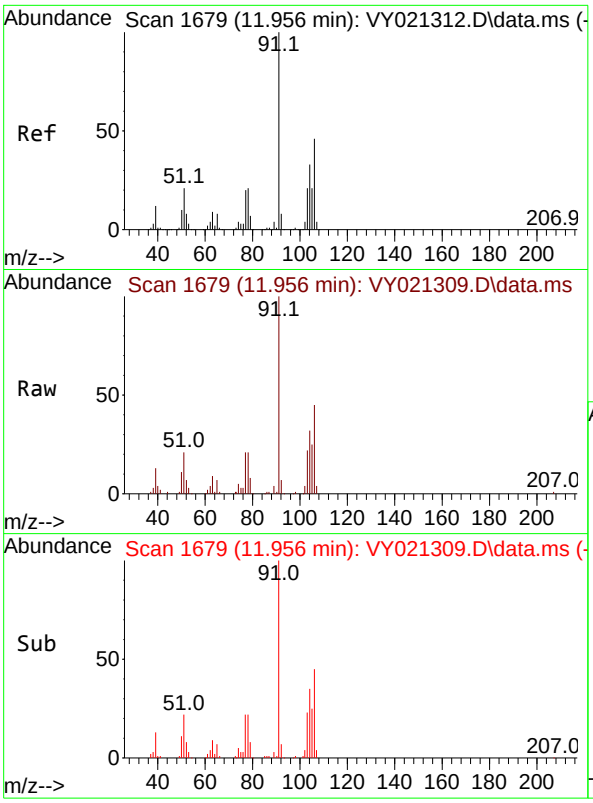



#68
m/p-Xylenes
Concen: 9.833 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 36446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.1 | 163.9 | 245.9 |

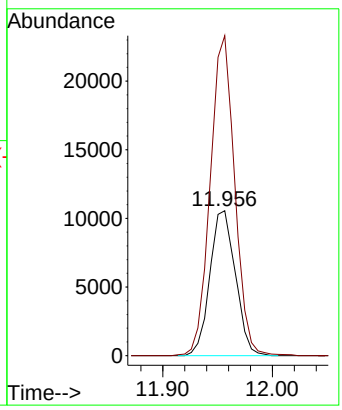





#69
o-Xylene
Concen: 4.920 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 1708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.7 | 108.1 | 324.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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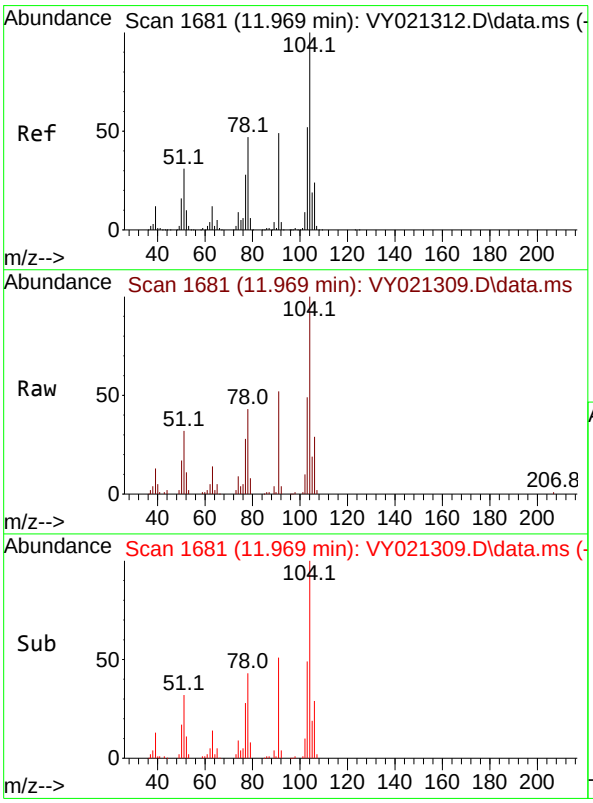
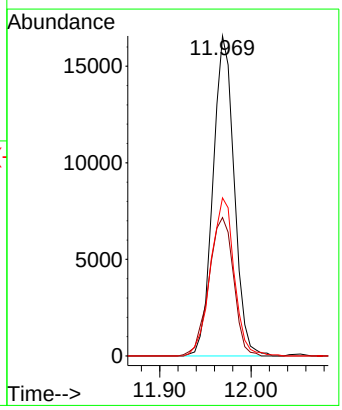
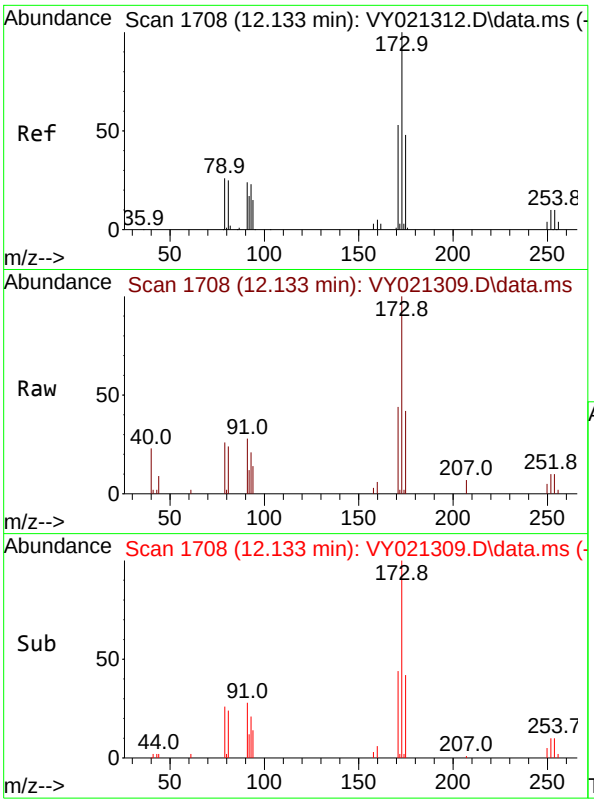



#70
Styrene
Concen: 4.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:104 Resp: 26787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.1 | 41.3 | 61.9 |
| 103 | 54.9 | 43.9 | 65.9 |

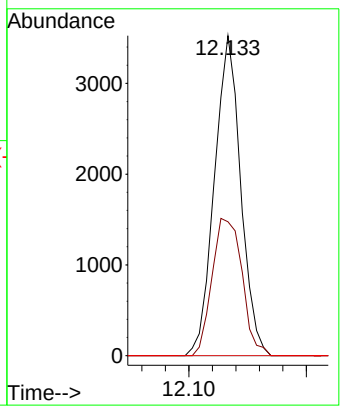





#71
Bromoform
Concen: 4.916 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:173 Resp: 547

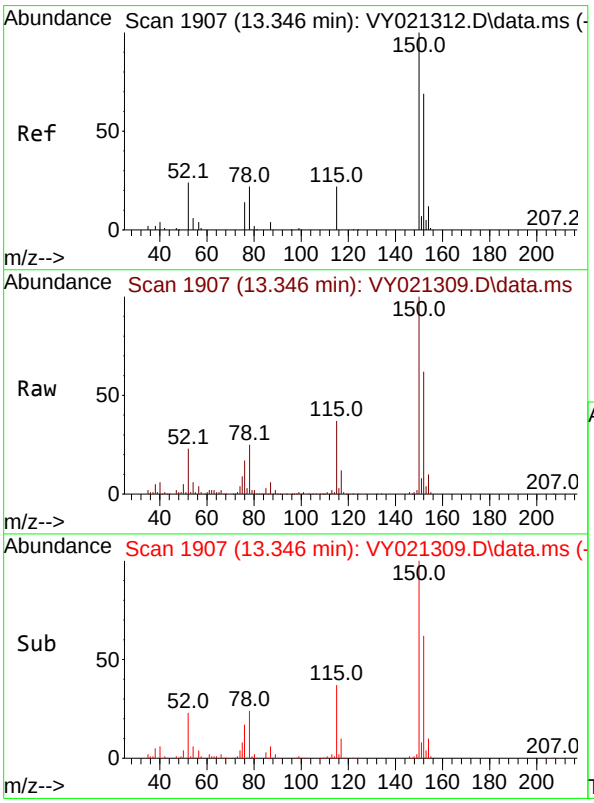
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

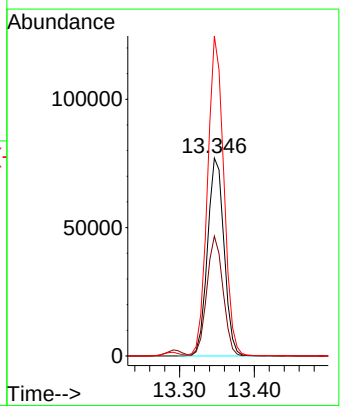
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

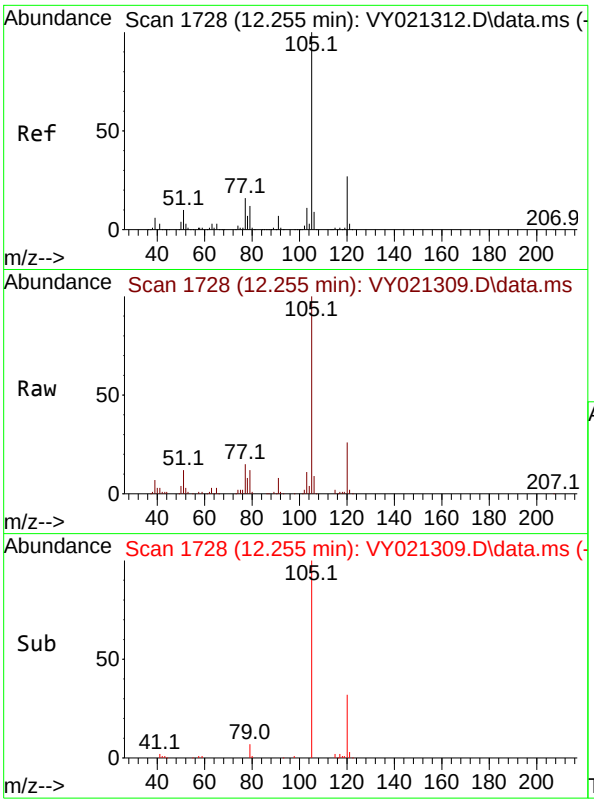



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:152 Resp: 118690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.1 | 29.3 | 88.0 |
| 150 | 158.5 | 0.0 | 347.4 |

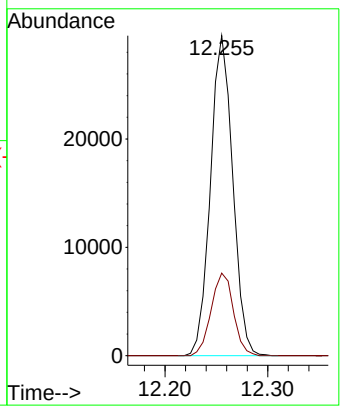





#73
Isopropylbenzene
Concen: 4.980 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 4443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.3 | 39.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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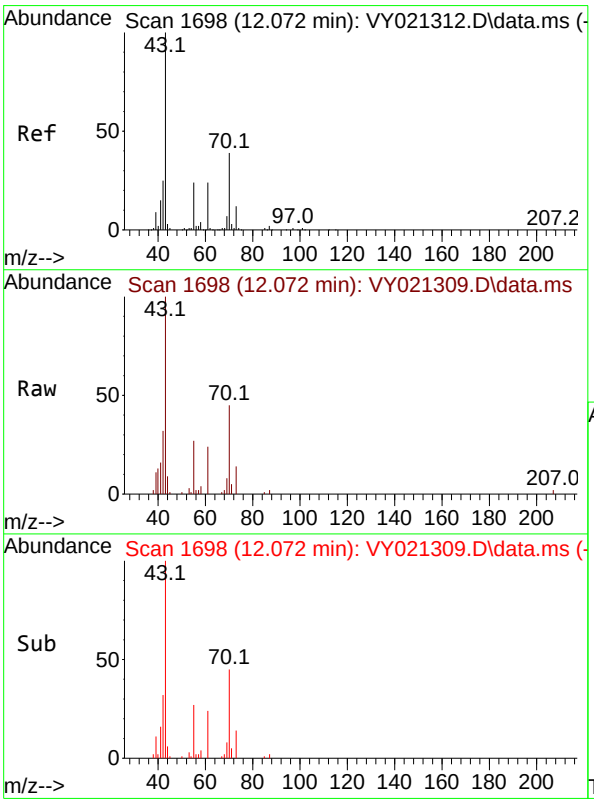
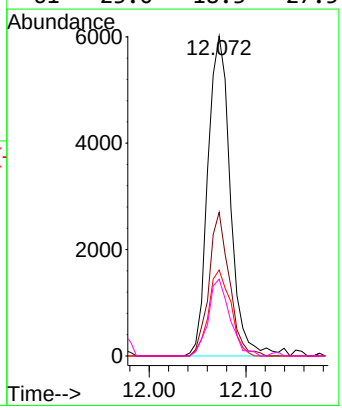
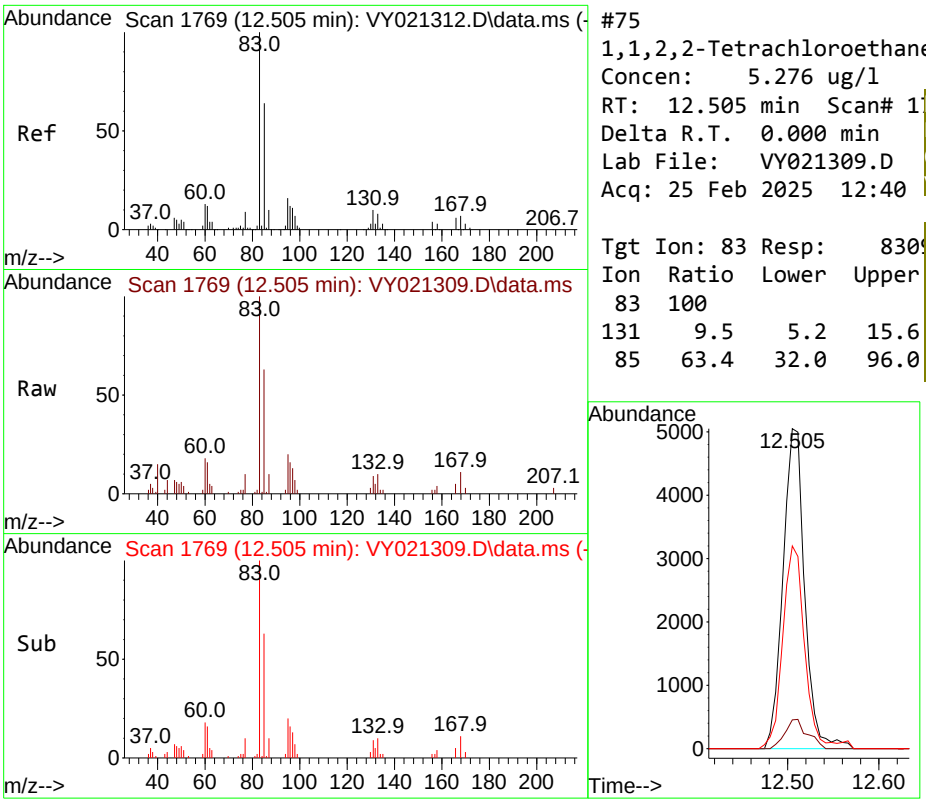



#74
N-amyl acetate
Concen: 4.283 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.9 | 32.2 | 48.2 |
| 55 | 26.7 | 19.6 | 29.4 |
| 61 | 23.0 | 18.3 | 27.5 |






#75
1,1,2,2-Tetrachloroethane
Concen: 5.276 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.5 | 5.2 | 15.6 |
| 85 | 63.4 | 32.0 | 96.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

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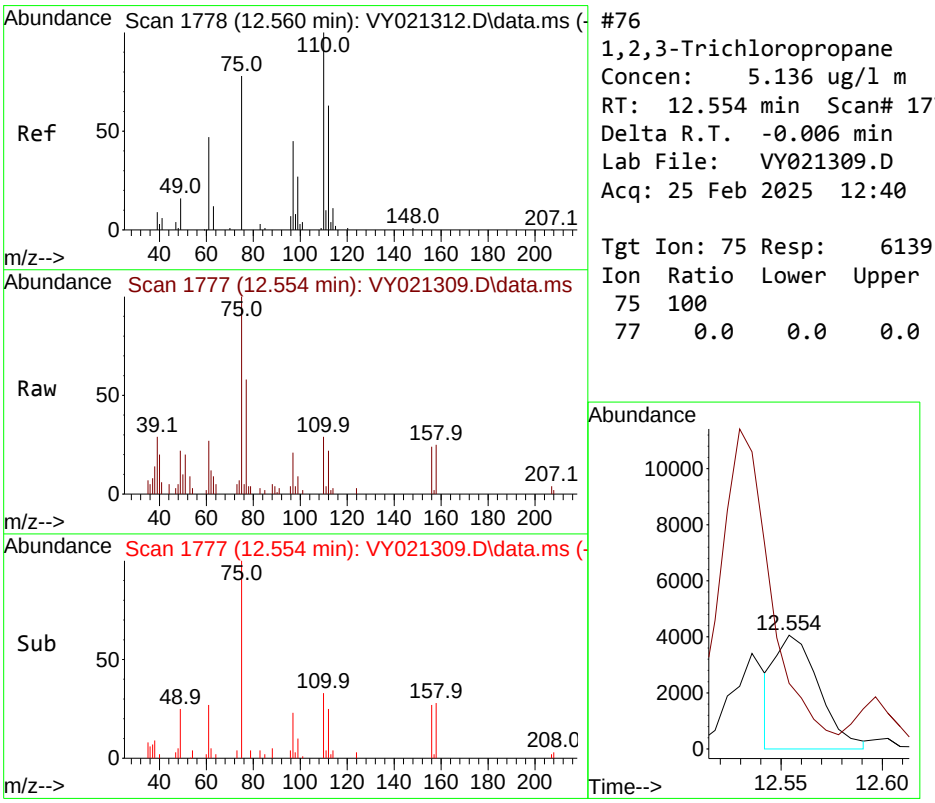
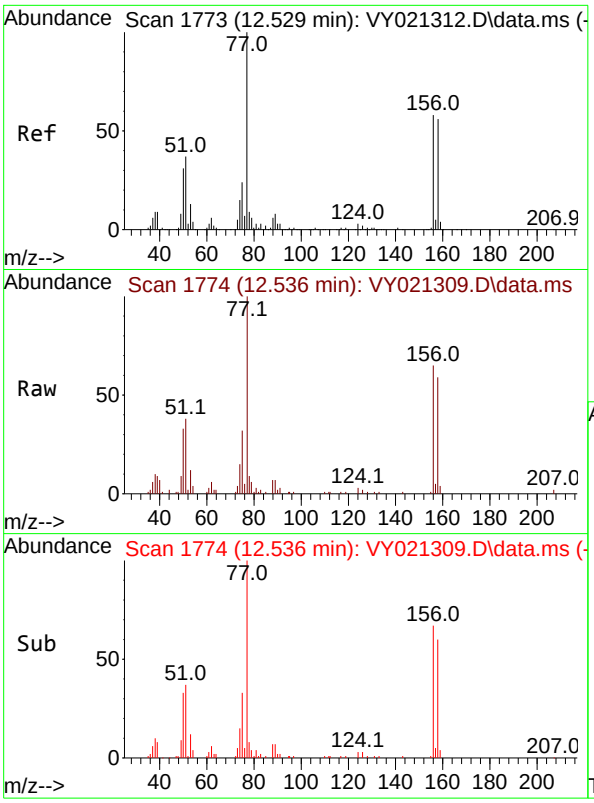



#76
1,2,3-Trichloropropane
Concen: 5.136 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 6139

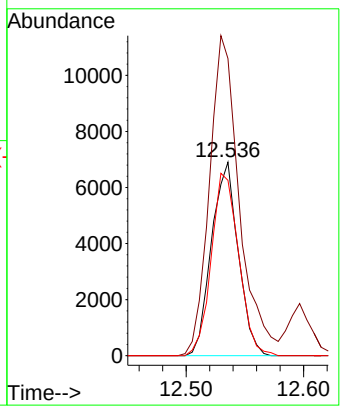
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |




#77
Bromobenzene
Concen: 5.257 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:156 Resp: 1091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.6 | 94.0 | 282.1 |
| 158 | 96.6 | 48.7 | 146.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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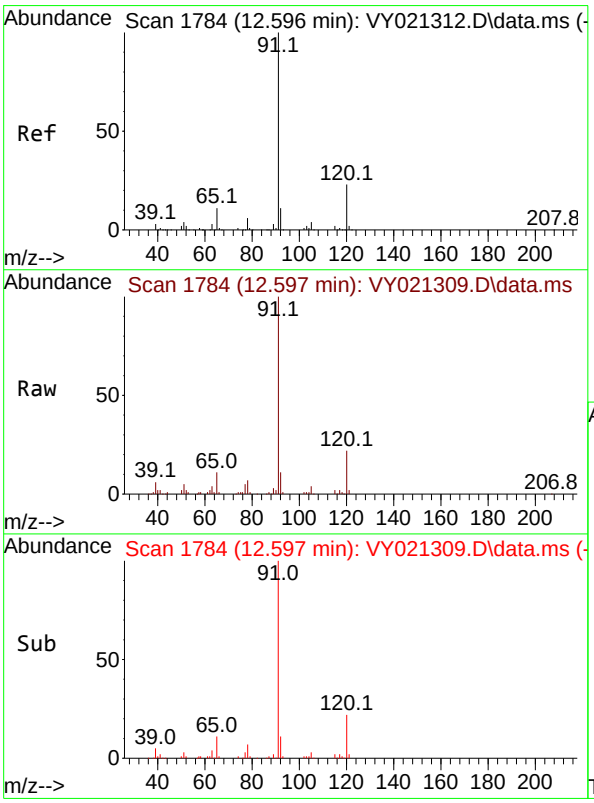
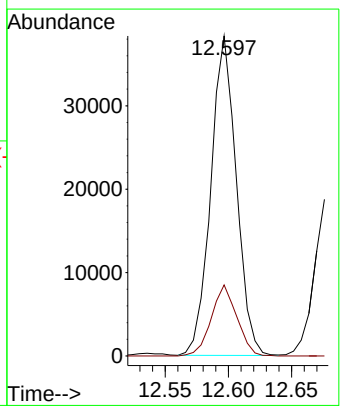
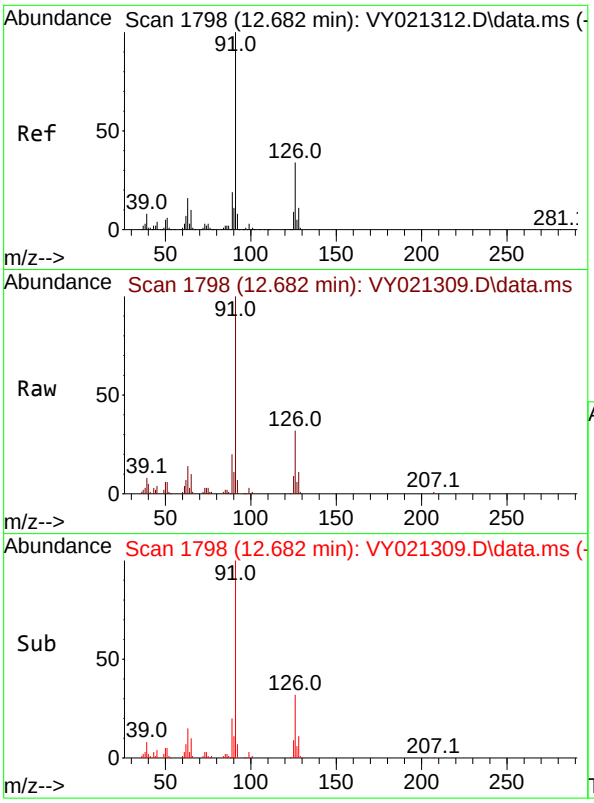



#78
n-propylbenzene
Concen: 4.968 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 53794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.2 | 33.5 |

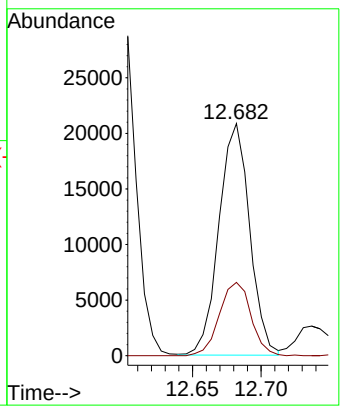





#79
2-Chlorotoluene
Concen: 5.235 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 3252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.9 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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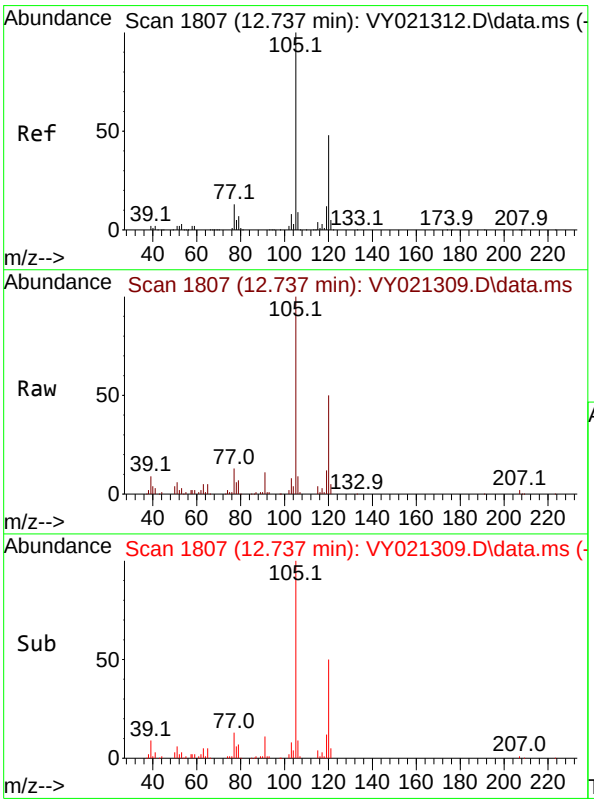
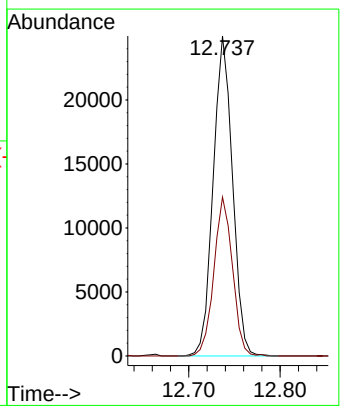
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

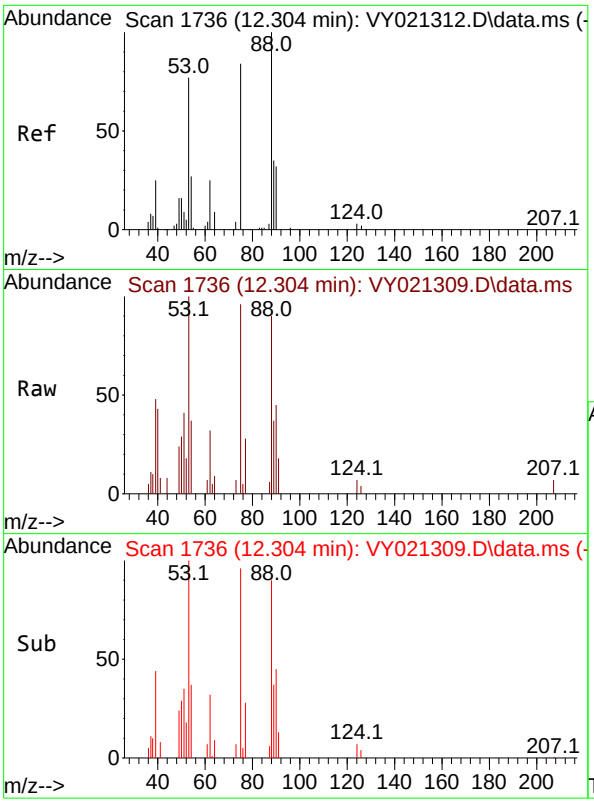



#80
1,3,5-Trimethylbenzene
Concen: 5.014 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 36696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.9 | 24.3 | 73.0 |

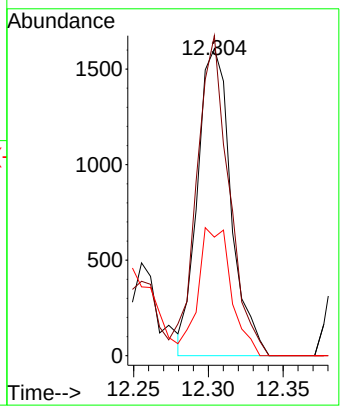





#81
trans-1,4-Dichloro-2-butene
Concen: 4.664 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 249

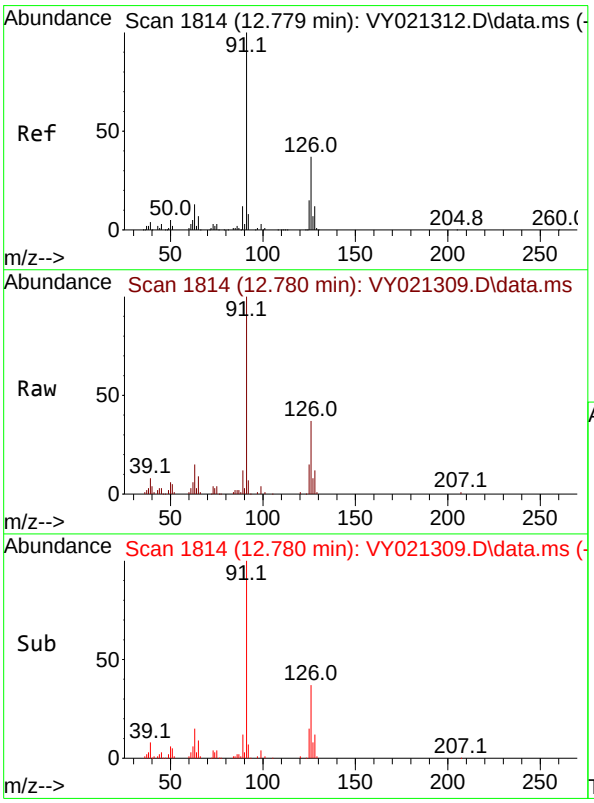
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 100.8 | 79.1 | 118.7 |
| 89 | 41.2 | 35.6 | 53.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

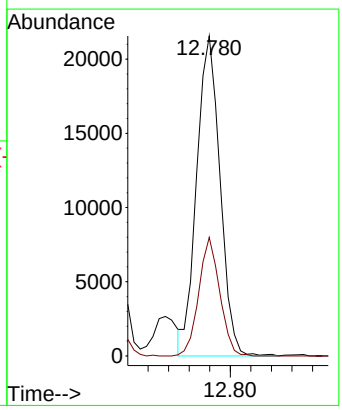
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

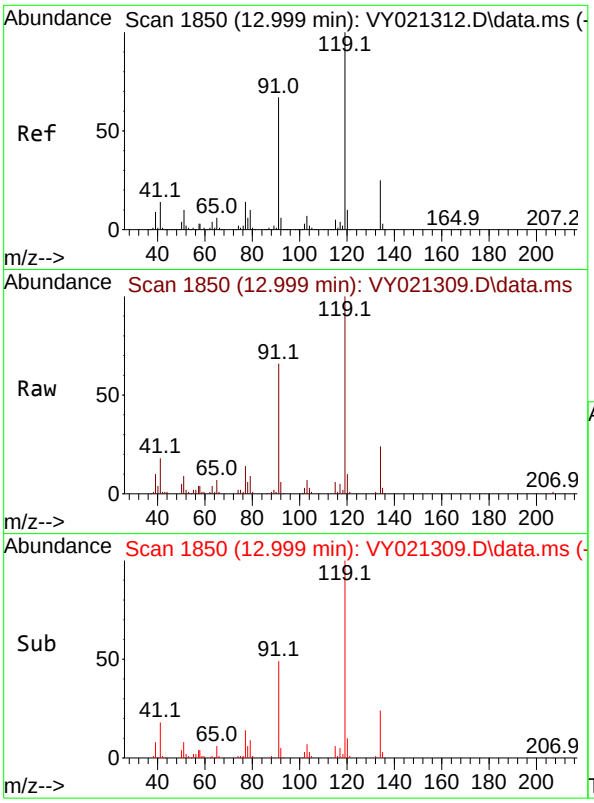



#82
4-Chlorotoluene
Concen: 5.290 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 34079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.8 | 50.4 |

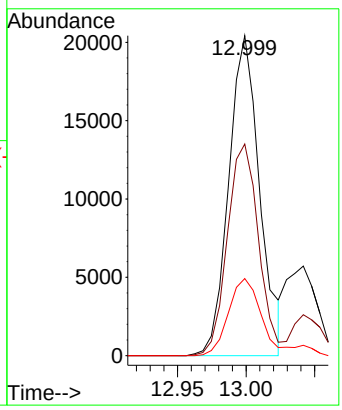





#83
tert-Butylbenzene
Concen: 4.852 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 3207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.5 | 32.7 | 98.1 |
| 134 | 26.0 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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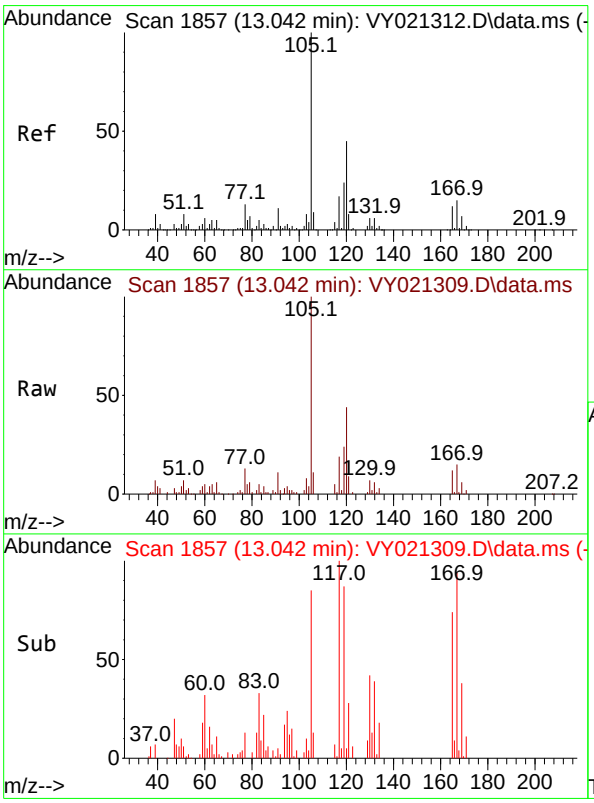
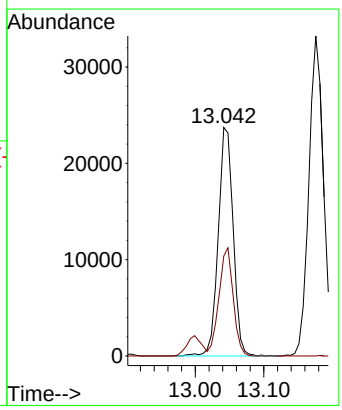
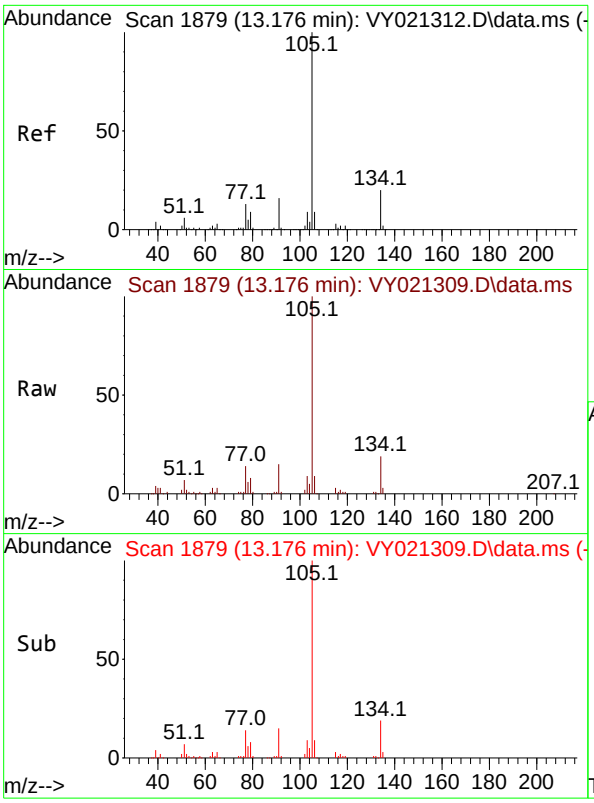



#84
1,2,4-Trimethylbenzene
Concen: 4.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 35772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.2 | 22.4 | 67.3 |

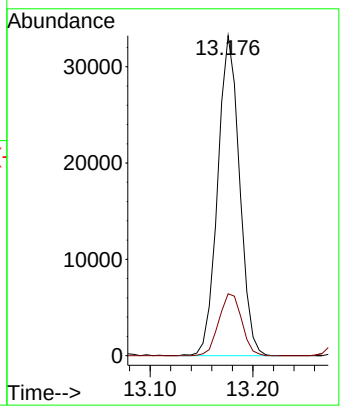





#85
sec-Butylbenzene
Concen: 5.072 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 4897

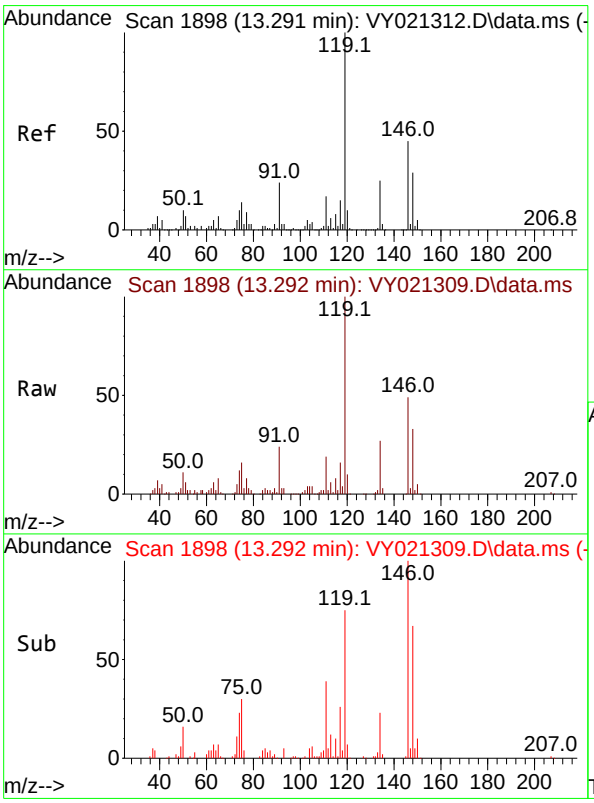
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

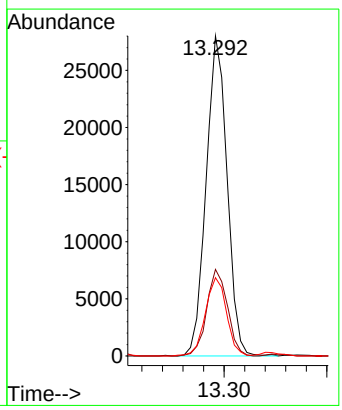
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

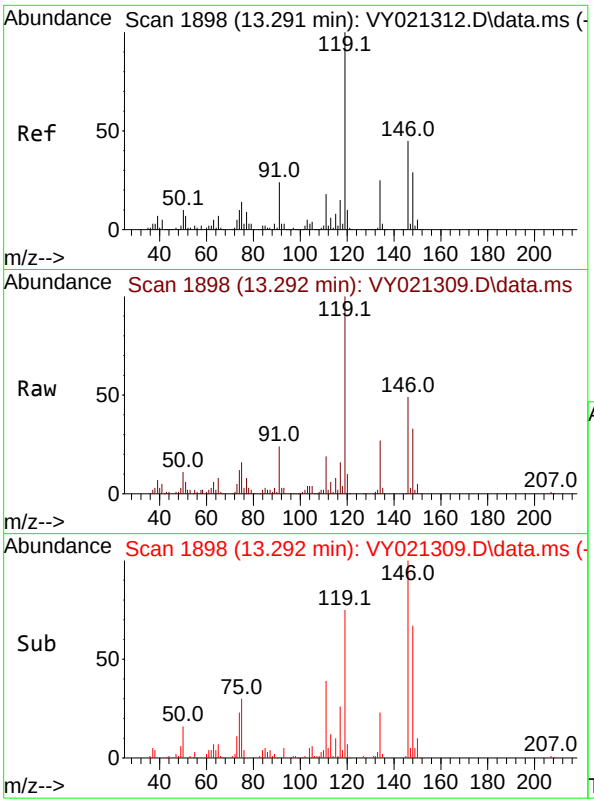



#86
p-Isopropyltoluene
Concen: 4.916 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 39637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.8 | 13.0 | 38.9 |
| 91 | 24.8 | 12.0 | 36.1 |

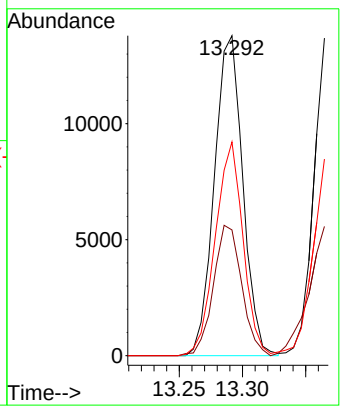





#87
1,3-Dichlorobenzene
Concen: 5.239 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 2151

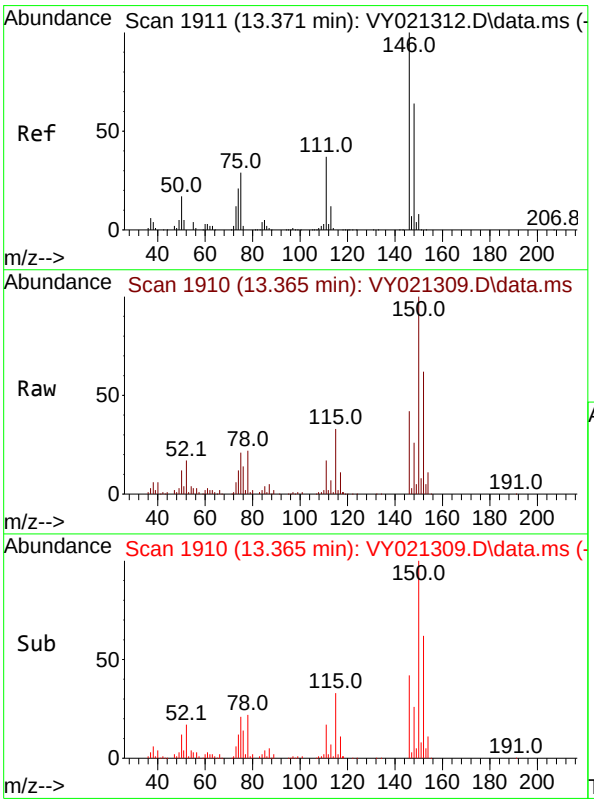
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 20.0 | 59.9 |
| 148 | 65.2 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

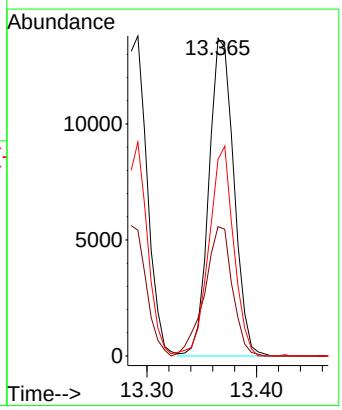
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

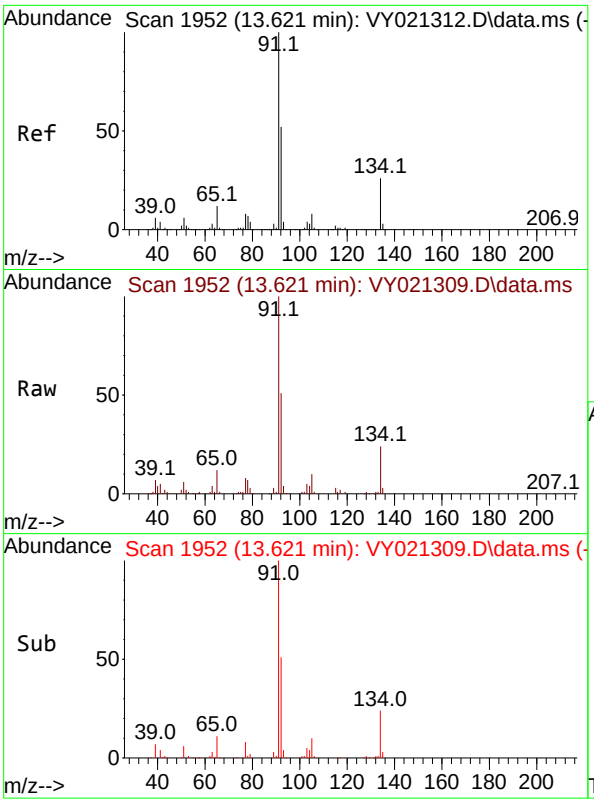



#88
1,4-Dichlorobenzene
Concen: 5.341 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 21663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.2 | 19.5 | 58.5 |
| 148 | 65.3 | 32.0 | 96.2 |

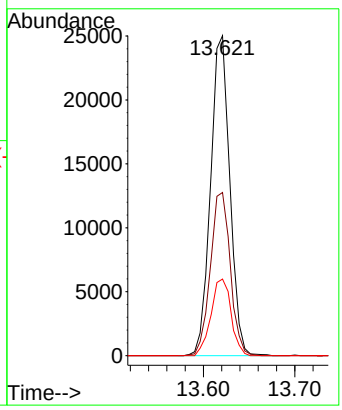





#89
n-Butylbenzene
Concen: 4.815 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 3653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.4 | 79.2 |
| 134 | 25.0 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

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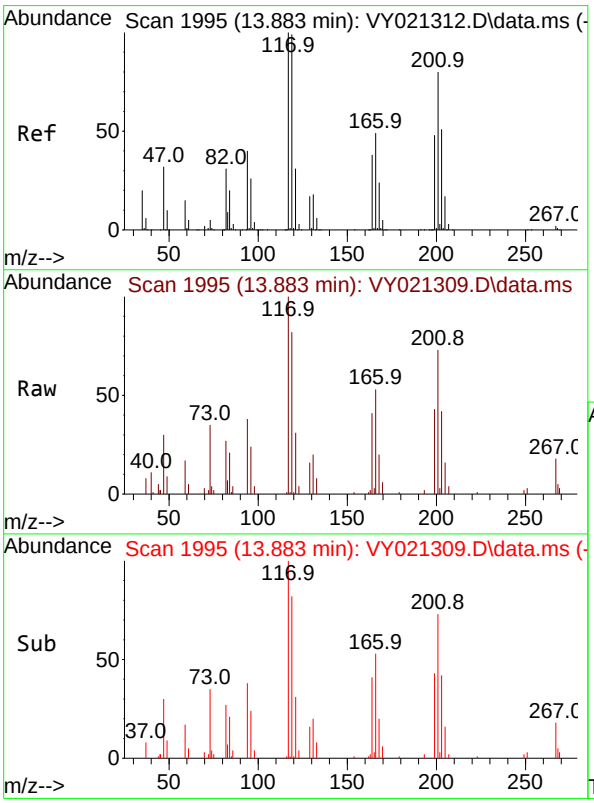
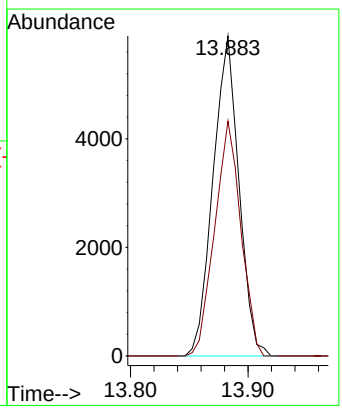
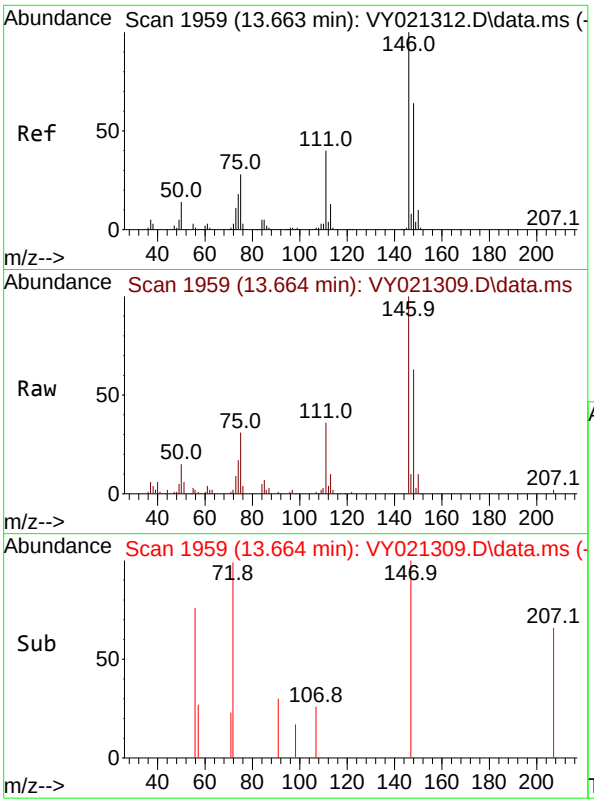



#90
Hexachloroethane
Concen: 5.351 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 9013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 74.3 | 38.4 | 115.2 |

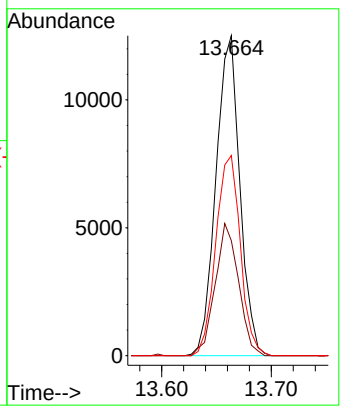





#91
1,2-Dichlorobenzene
Concen: 5.278 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 1898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 20.7 | 62.1 |
| 148 | 64.2 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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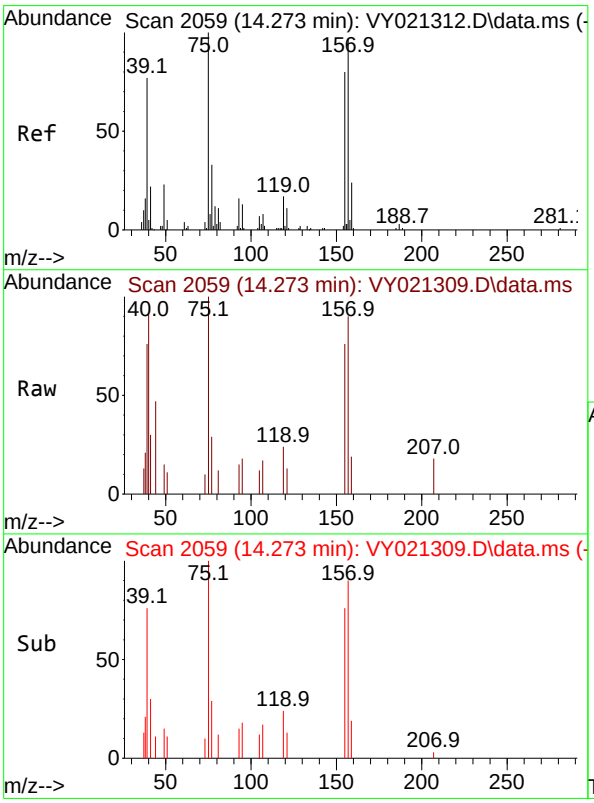
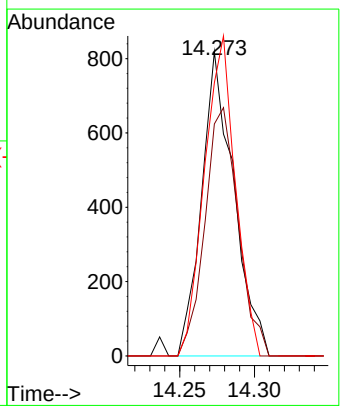
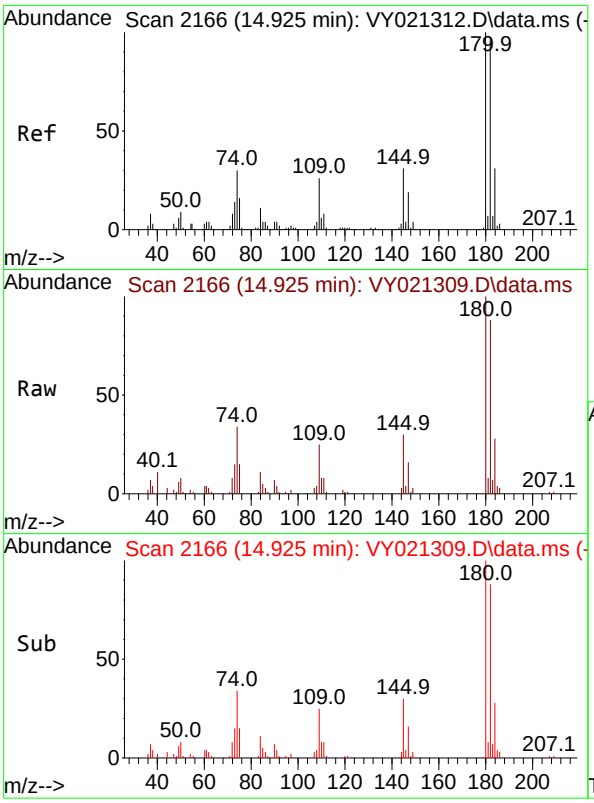



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.925 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.4 | 41.9 | 125.6 |
| 157 | 100.9 | 52.5 | 157.6 |

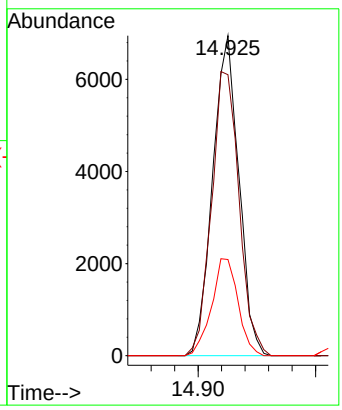





#93
1,2,4-Trichlorobenzene
Concen: 4.901 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:180 Resp: 1075

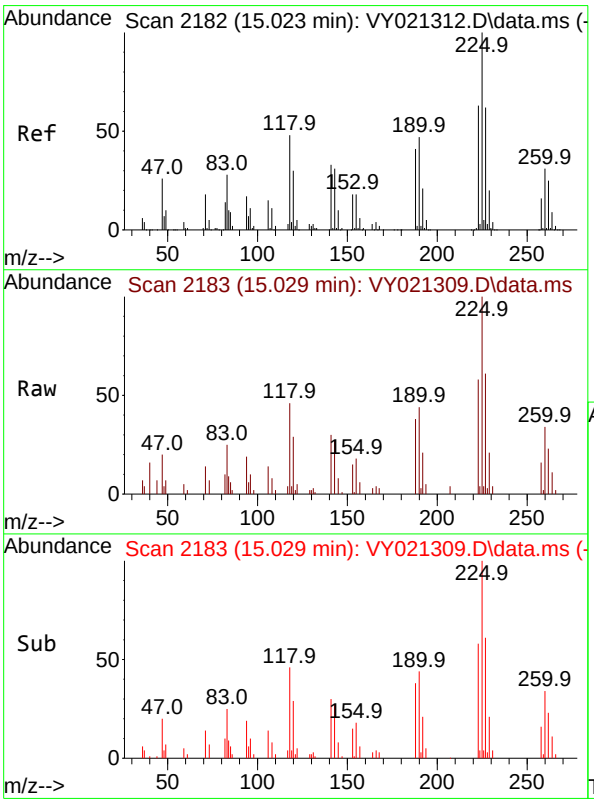
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.3 | 47.9 | 143.7 |
| 145 | 30.7 | 15.6 | 46.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

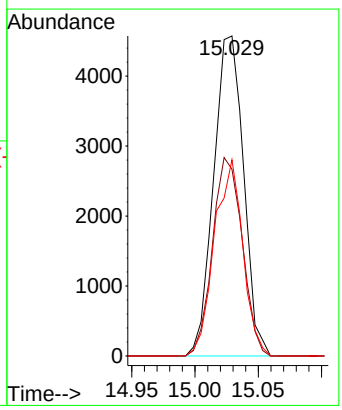
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

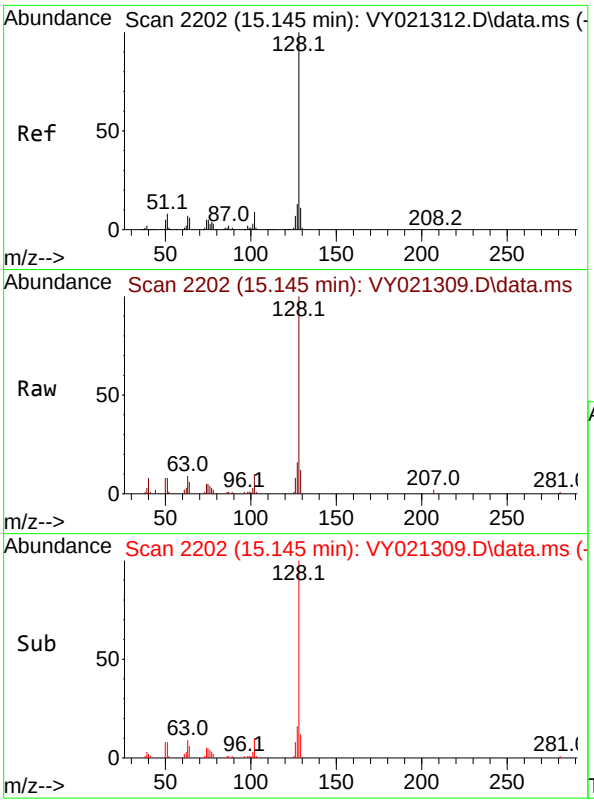



#94
Hexachlorobutadiene
Concen: 5.434 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:225 Resp: 7510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.6 | 31.8 | 95.4 |
| 227 | 58.3 | 31.9 | 95.7 |

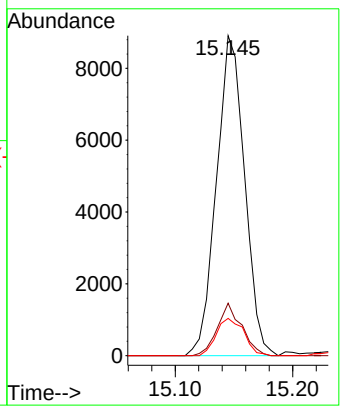





#95
Naphthalene
Concen: 4.078 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:128 Resp: 1482

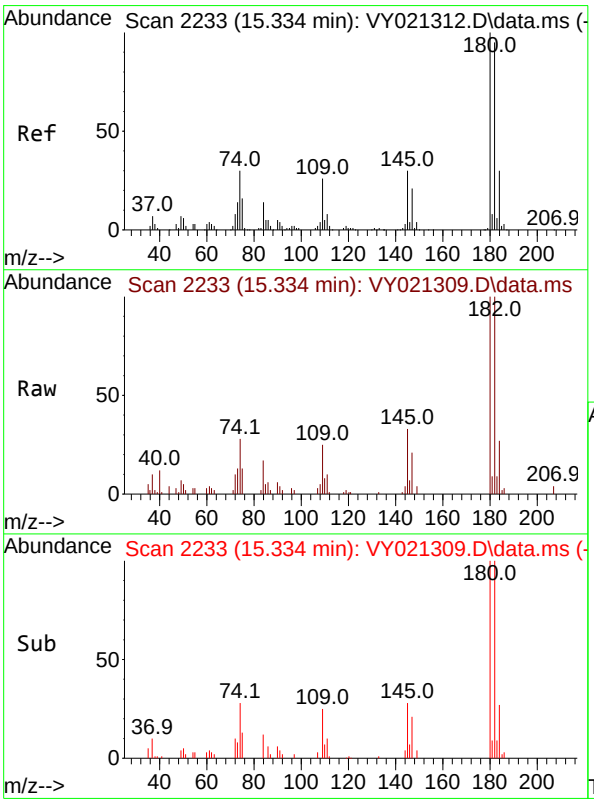
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.2 | 10.5 | 15.7 |
| 129 | 11.5 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

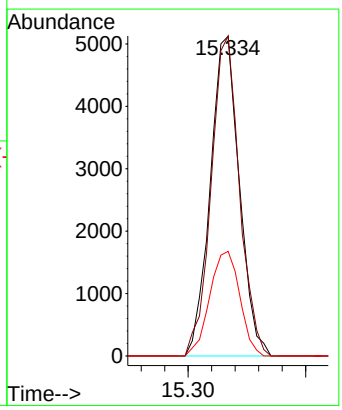
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 4.746 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:180 Resp: 8804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.2 | 48.3 | 144.9 |
| 145 | 33.8 | 16.1 | 48.3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 185658 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 289178 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 250629 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 125138 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 18938 | 8.992 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 17.980%# | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 17267 | 9.108 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 18.220%# | | | |
| 50) Toluene-d8 | 10.103 | 98 | 66979 | 9.141 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 18.280%# | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 22364 | 9.069 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 18.140%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 17969 | 10.208 | ug/l | 99 |
| 3) Chloromethane | 2.068 | 50 | 23321 | 10.259 | ug/l | 96 |
| 4) Vinyl Chloride | 2.202 | 62 | 21933 | 9.830 | ug/l | 99 |
| 5) Bromomethane | 2.592 | 94 | 15371 | 10.366 | ug/l | 92 |
| 6) Chloroethane | 2.732 | 64 | 13561 | 9.801 | ug/l | 96 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 33977 | 10.083 | ug/l | 96 |
| 8) Diethyl Ether | 3.452 | 74 | 9792 | 9.682 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 19660 | 10.077 | ug/l | 99 |
| 10) Methyl Iodide | 4.001 | 142 | 17573 | 8.562 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.854 | 59 | 8754 | 54.037 | ug/l # | 81 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 18141 | 9.711 | ug/l | 87 |
| 13) Acrolein | 3.647 | 56 | 10715 | 86.313 | ug/l | 97 |
| 14) Allyl chloride | 4.385 | 41 | 31462 | 9.499 | ug/l | 98 |
| 15) Acrylonitrile | 5.061 | 53 | 21273 | 47.572 | ug/l | 98 |
| 16) Acetone | 3.866 | 43 | 19023 | 47.086 | ug/l | 92 |
| 17) Carbon Disulfide | 4.104 | 76 | 61336 | 9.888 | ug/l | 100 |
| 18) Methyl Acetate | 4.379 | 43 | 9259 | 9.378 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 47090 | 9.541 | ug/l | 98 |
| 20) Methylene Chloride | 4.610 | 84 | 22192 | 10.158 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 19921 | 9.687 | ug/l | 94 |
| 22) Diisopropyl ether | 6.012 | 45 | 66598 | 9.717 | ug/l | 93 |
| 23) Vinyl Acetate | 5.957 | 43 | 193291 | 47.195 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.909 | 63 | 38311 | 9.918 | ug/l | 98 |
| 25) 2-Butanone | 6.896 | 43 | 28711 | 47.087 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 34859 | 9.945 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 22663 | 9.651 | ug/l | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 16417 | 9.605 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.262 | 42 | 18625 | 46.731 | ug/l | 99 |
| 30) Chloroform | 7.415 | 83 | 38838 | 9.922 | ug/l | 97 |
| 31) Cyclohexane | 7.701 | 56 | 38072 | 10.253 | ug/l # | 88 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 35489 | 9.961 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.829 | 75 | 28171 | 9.892 | ug/l | 99 |
| 37) Ethyl Acetate | 6.982 | 43 | 14219 | 10.038 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.811 | 117 | 32494 | 10.149 | ug/l | 96 |
| 39) Methylcyclohexane | 9.103 | 83 | 35431 | 9.837 | ug/l | 95 |
| 40) Benzene | 8.079 | 78 | 83594 | 9.930 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.226 | 41 | 6845 | 8.642 | ug/l | | 92 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 24091 | 10.087 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 25874 | 9.436 | ug/l | | 99 |
| 44) Trichloroethene | 8.859 | 130 | 20823 | 9.880 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 20214 | 9.978 | ug/l | | 98 |
| 46) Dibromomethane | 9.231 | 93 | 10902 | 9.845 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 29114 | 9.860 | ug/l | | 97 |
| 48) Methyl methacrylate | 9.219 | 41 | 11652 | 9.088 | ug/l | | 96 |
| 49) 1,4-Dioxane | 9.225 | 88 | 2309 | 187.520 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 9.993 | 43 | 65698 | 46.808 | ug/l | | 99 |
| 52) Toluene | 10.170 | 92 | 51371 | 9.823 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 25218 | 9.322 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 30428 | 9.528 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 10.573 | 97 | 14509 | 10.057 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.438 | 69 | 17817 | 8.938 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 24769 | 9.784 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 42304 | 44.215 | ug/l | | 100 |
| 59) 2-Hexanone | 10.755 | 43 | 42123 | 45.697 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.908 | 129 | 18793 | 9.565 | ug/l | | 96 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 13351 | 9.775 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 19065 | 10.064 | ug/l | | 97 |
| 65) Chlorobenzene | 11.438 | 112 | 55689 | 9.899 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131 | 20089 | 10.198 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.517 | 91 | 97299 | 9.764 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.627 | 106 | 73991 | 19.740 | ug/l | | 99 |
| 69) o-Xylene | 11.950 | 106 | 33822 | 9.632 | ug/l | | 99 |
| 70) Styrene | 11.969 | 104 | 56550 | 9.679 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 11067 | 9.820 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.255 | 105 | 90221 | 9.590 | ug/l | | 100 |
| 74) N-amyl acetate | 12.066 | 43 | 21370 | 8.937 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 16246 | 9.785 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 13699m | 10.871 | ug/l | | |
| 77) Bromobenzene | 12.529 | 156 | 21097 | 9.641 | ug/l | | 99 |
| 78) n-propylbenzene | 12.597 | 91 | 110190 | 9.652 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 64018 | 9.771 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 74498 | 9.655 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 5238 | 9.295 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 12.773 | 91 | 66701 | 9.821 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 68905 | 9.886 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 74032 | 9.647 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 100189 | 9.841 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 81769 | 9.619 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.285 | 146 | 43267 | 9.996 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 42788 | 10.006 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.615 | 91 | 76325 | 9.541 | ug/l | | 99 |
| 90) Hexachloroethane | 13.877 | 117 | 17261 | 9.721 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 37522 | 9.894 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 2424 | 9.229 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 21234 | 9.174 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 14346 | 9.845 | ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 32094 | 8.371 | ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 17983 | 9.195 | ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

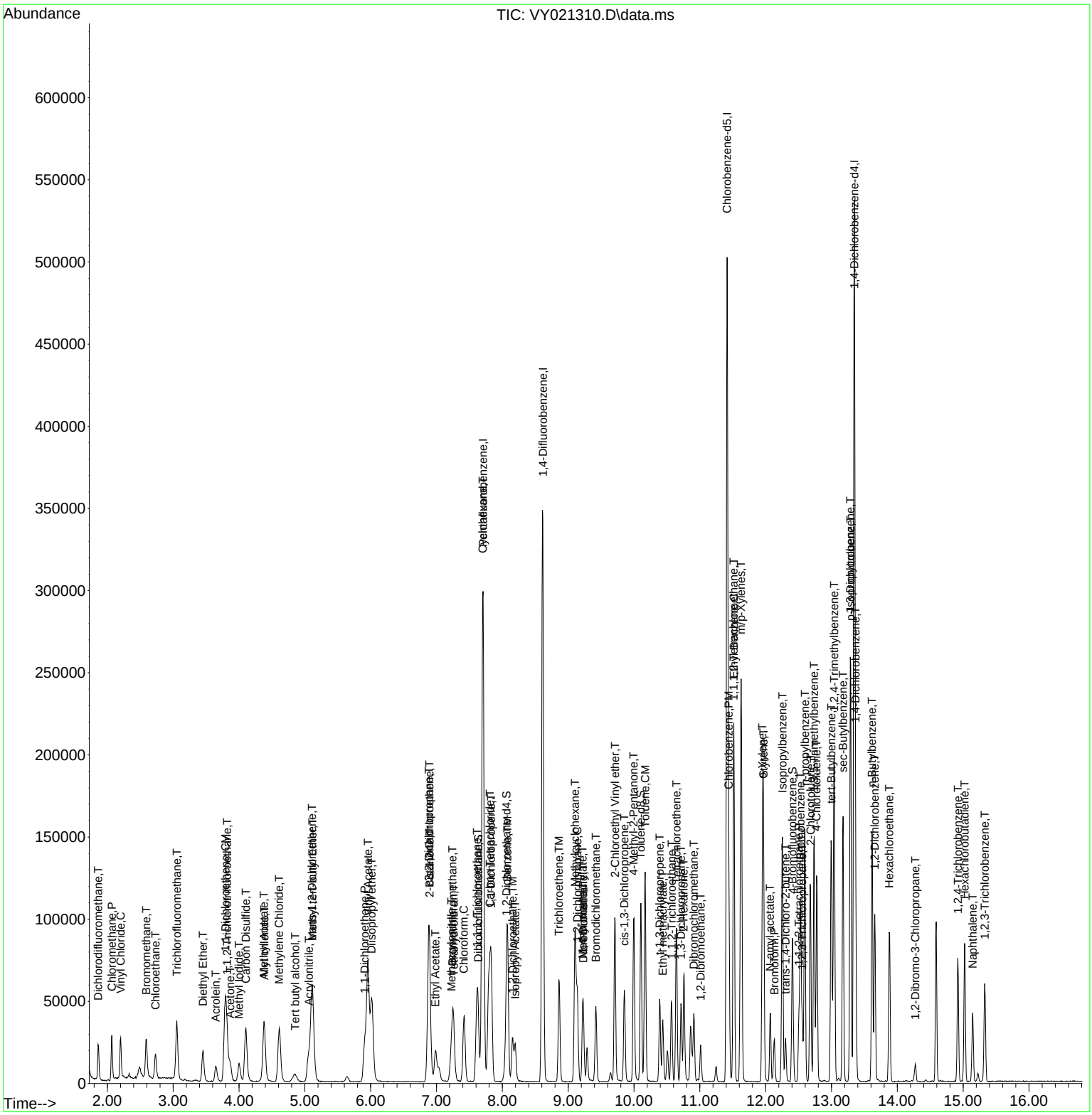
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

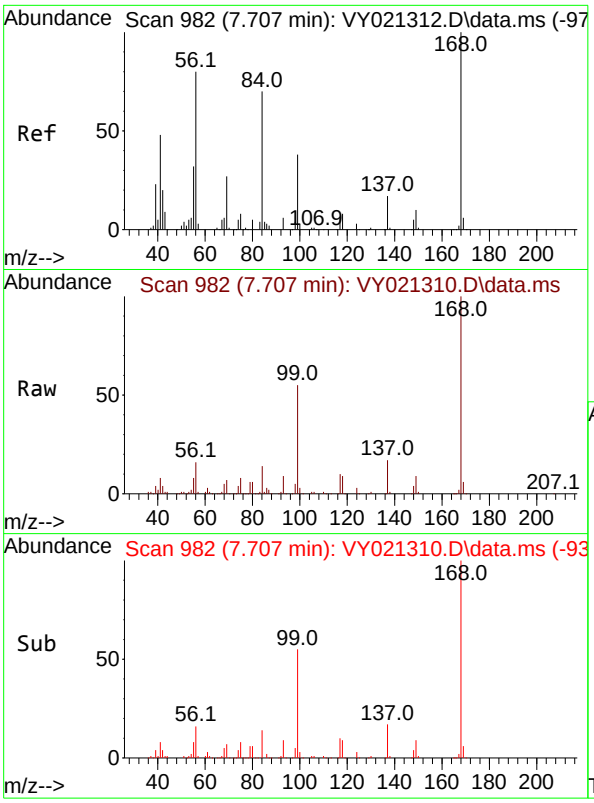
Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

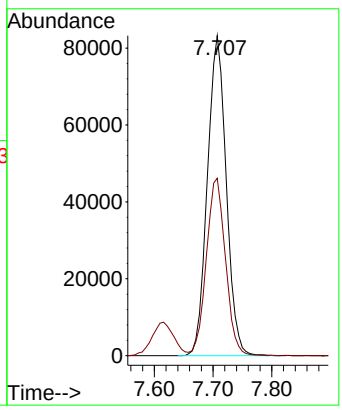





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:168 Resp: 18565

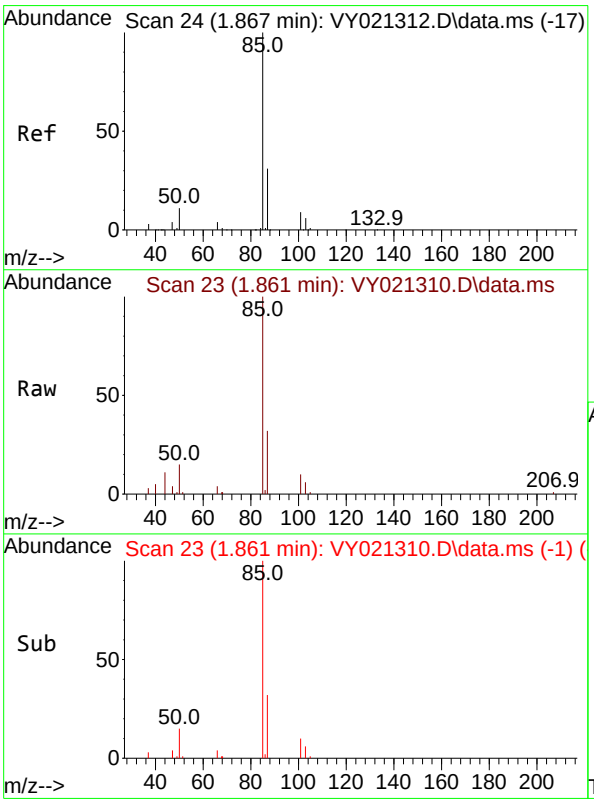
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.4 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

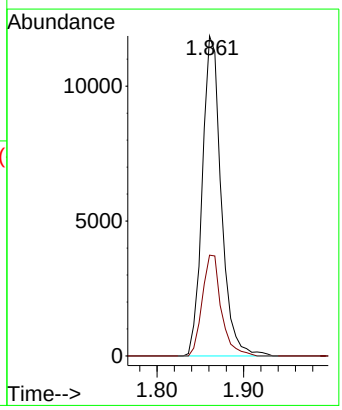
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

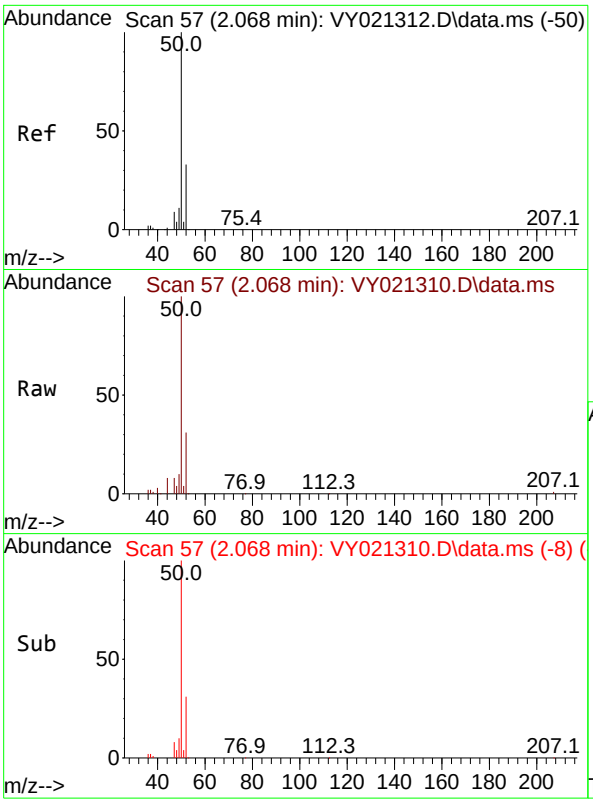



#2
Dichlorodifluoromethane
Concen: 10.208 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 85 Resp: 17969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 15.4 | 46.4 |

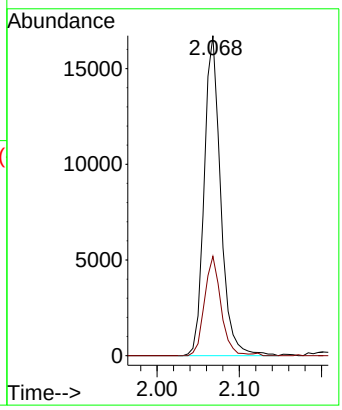





#3
Chloromethane
Concen: 10.259 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 50 Resp: 2332

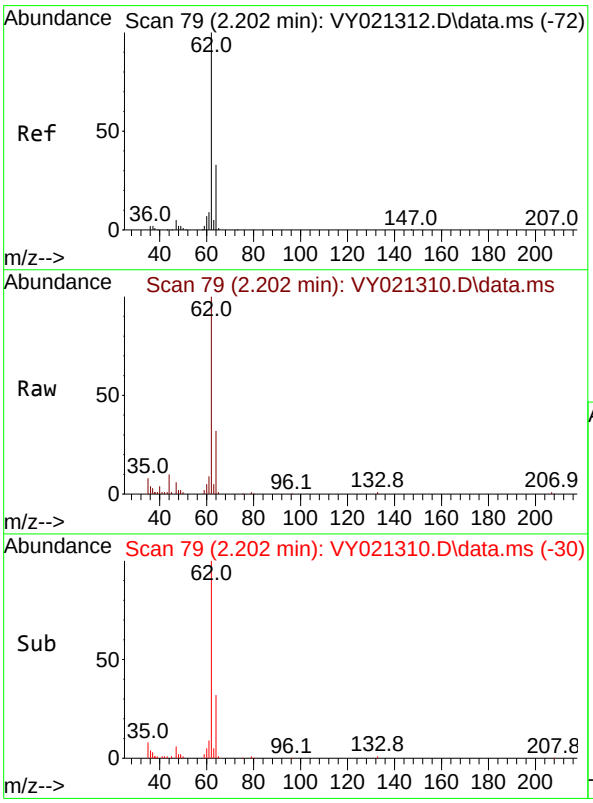
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.1 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

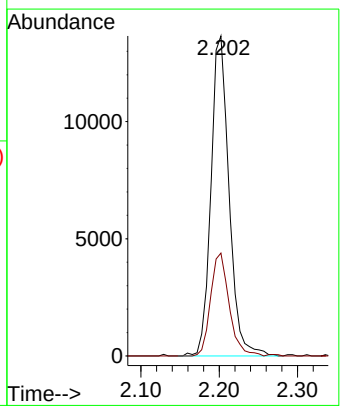
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

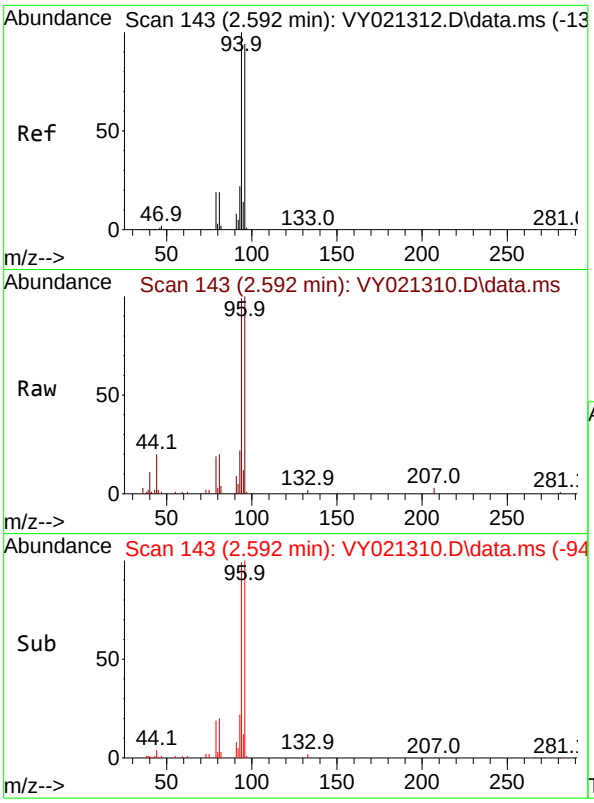



#4
Vinyl Chloride
Concen: 9.830 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 21933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 26.3 | 39.5 |

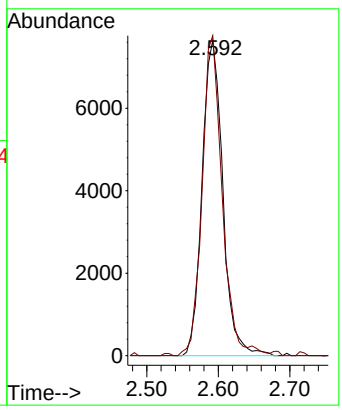





#5
Bromomethane
Concen: 10.366 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 94 Resp: 1537

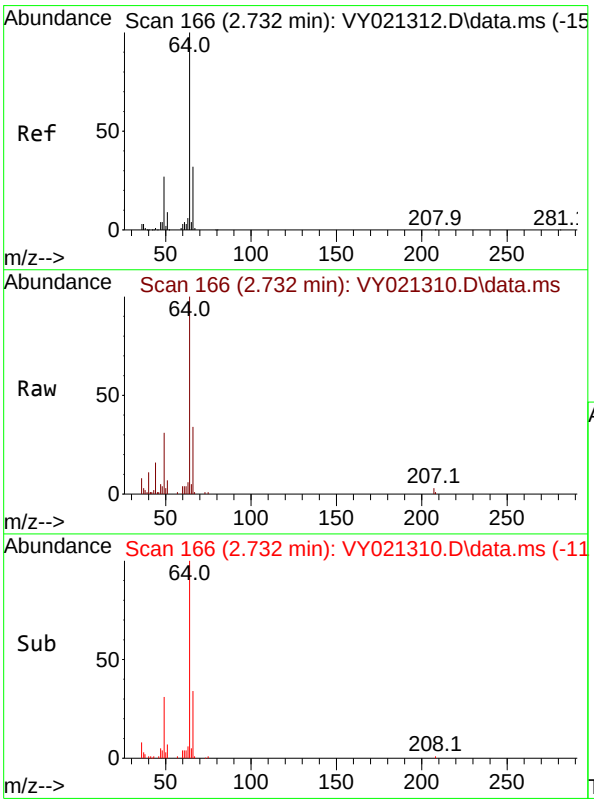
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 101.5 | 75.2 | 112.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

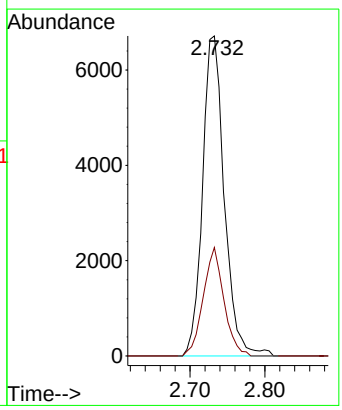
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

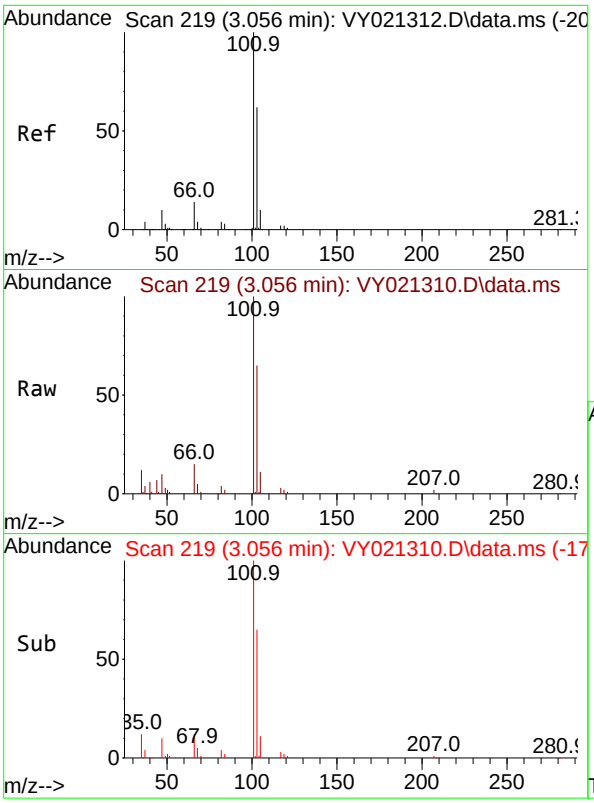



#6
Chloroethane
Concen: 9.801 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 64 Resp: 13561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.9 | 25.4 | 38.0 |

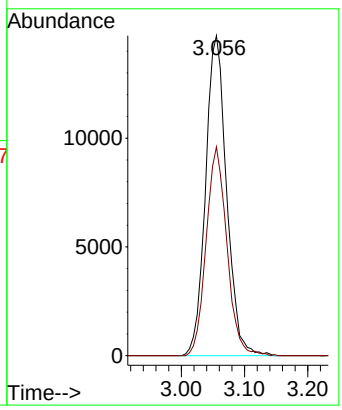





#7
Trichlorofluoromethane
Concen: 10.083 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:101 Resp: 3397

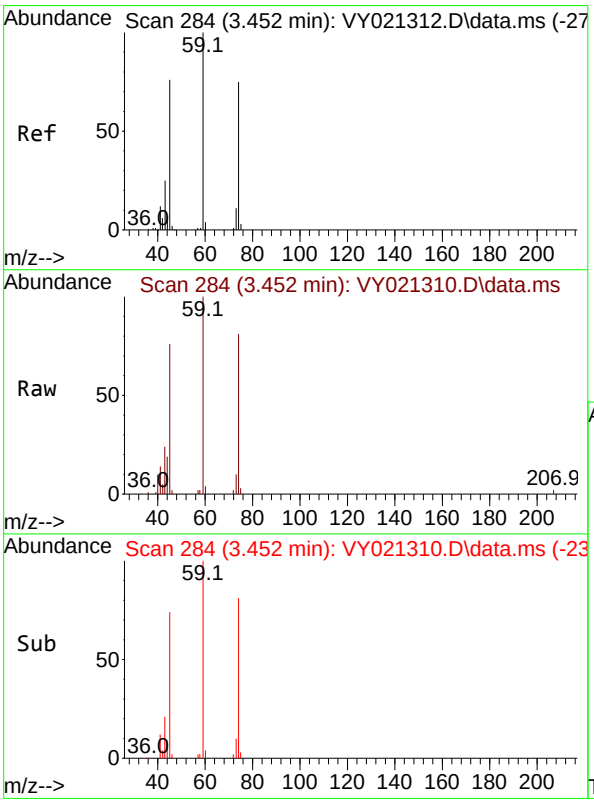
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

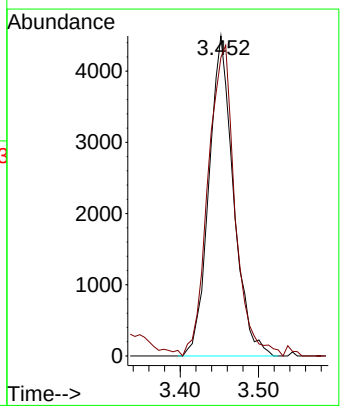
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

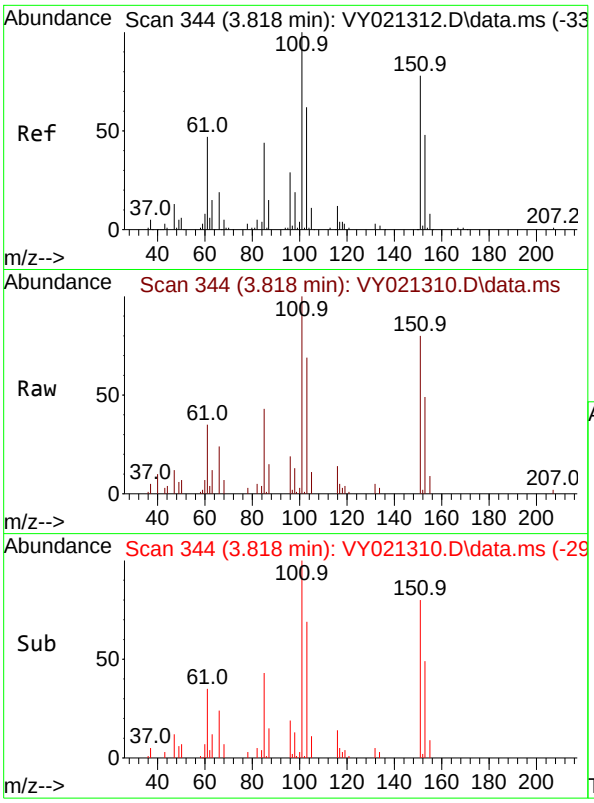



#8
Diethyl Ether
Concen: 9.682 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 74 Resp: 9792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 106.0 | 50.3 | 150.9 |

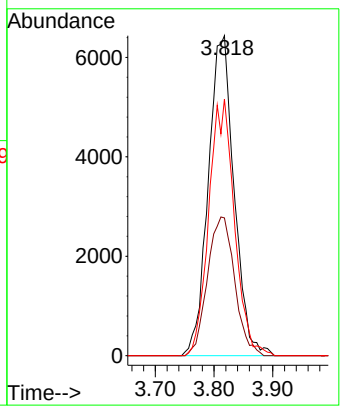





#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.077 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:101 Resp: 1966

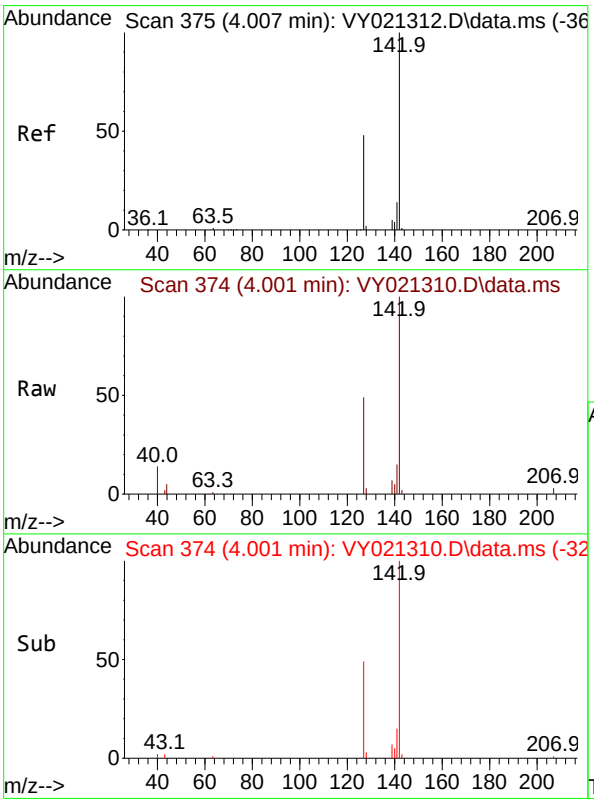
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.7 | 36.7 | 55.1 |
| 151 | 79.5 | 62.6 | 94.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

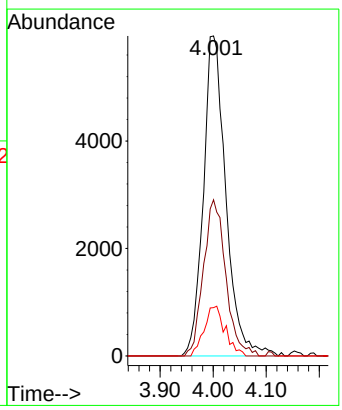
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

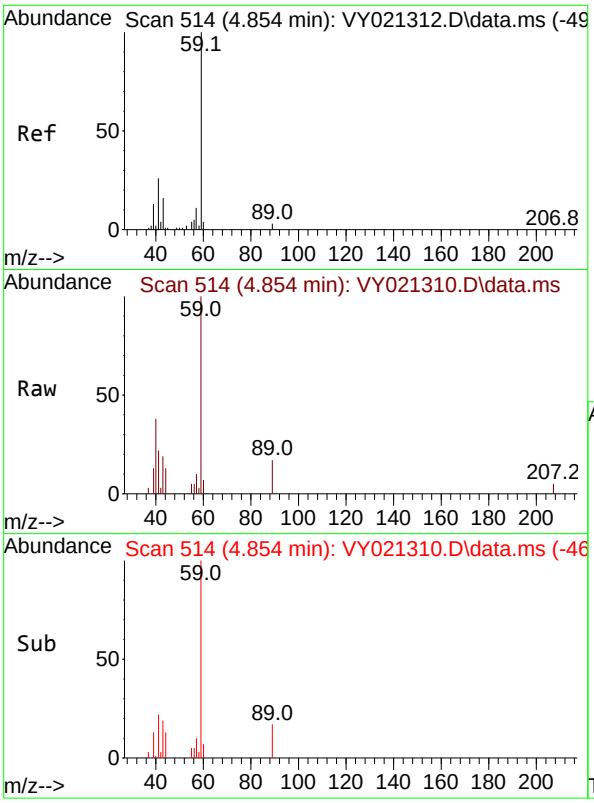



#10
Methyl Iodide
Concen: 8.562 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:142 Resp: 17573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.3 | 39.2 | 58.8 |
| 141 | 14.5 | 11.4 | 17.2 |

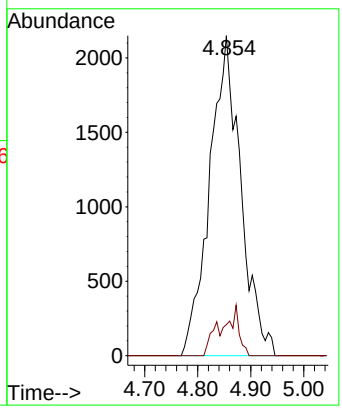





#11
Tert butyl alcohol
Concen: 54.037 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 59 Resp: 875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 3.1 | 8.3 | 12.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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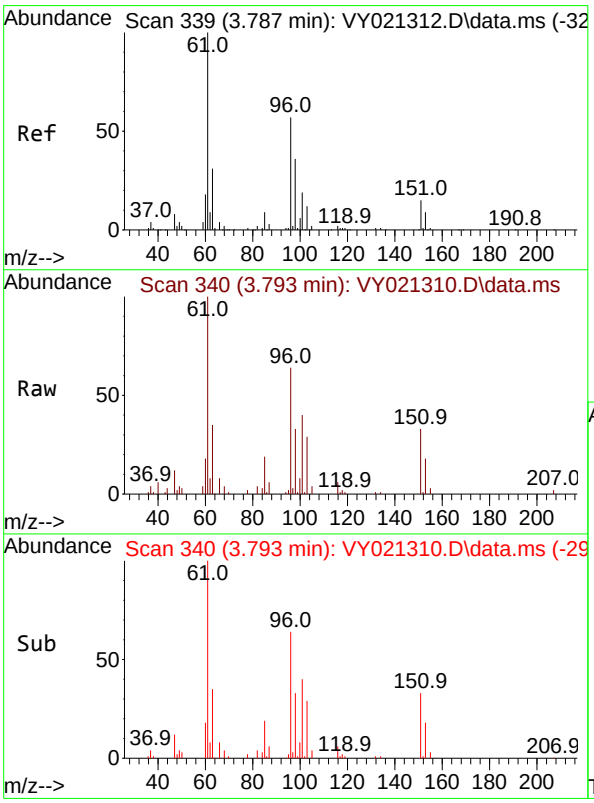
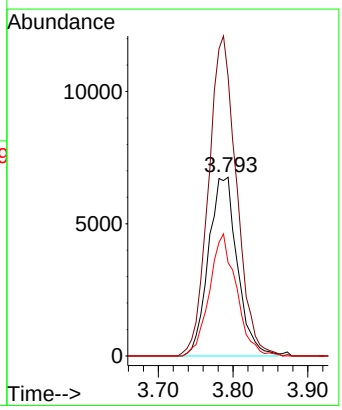
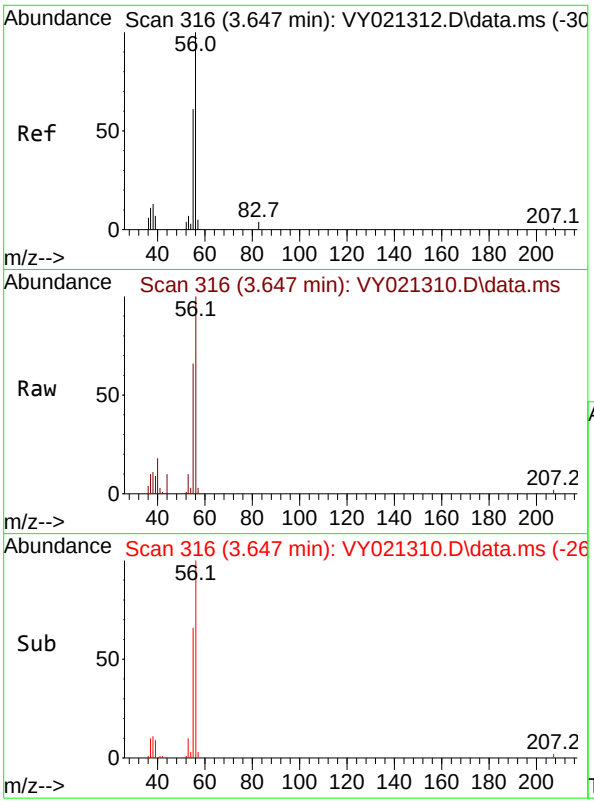



#12
1,1-Dichloroethene
Concen: 9.711 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 18141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.3 | 139.7 | 209.5 |
| 98 | 52.1 | 49.7 | 74.5 |

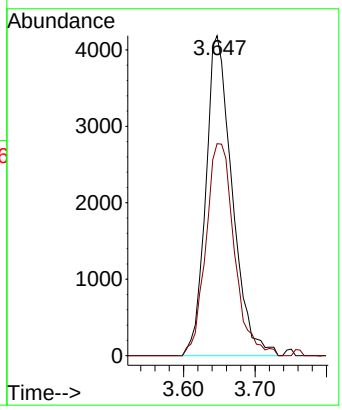





#13
Acrolein
Concen: 86.313 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 56 Resp: 1071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.4 | 59.0 | 88.6 |




**Instrument :**
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VSTDICC010

**Manual Integrations**
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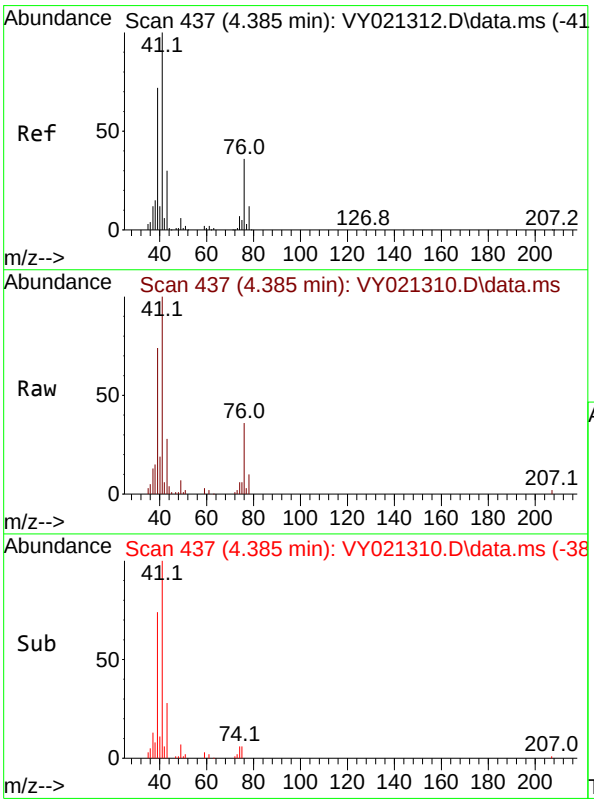
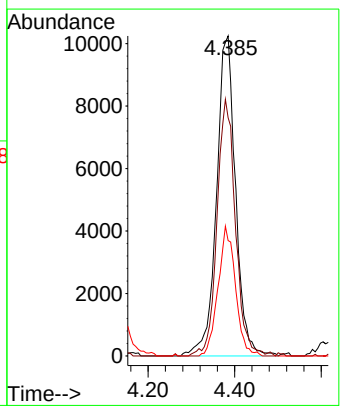
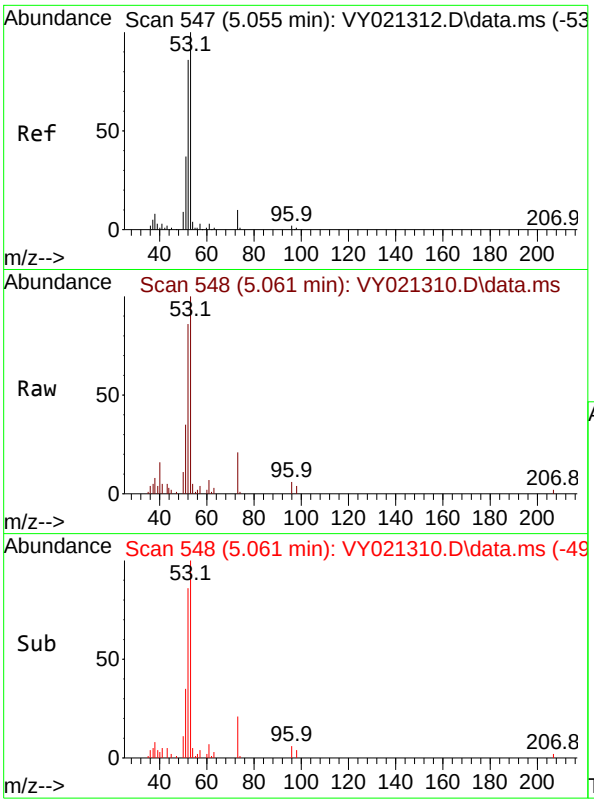



#14
Allyl chloride
Concen: 9.499 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 31462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.2 | 60.0 | 90.0 |
| 76 | 36.9 | 29.0 | 43.6 |

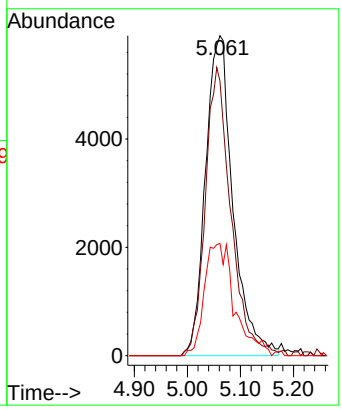





#15
Acrylonitrile
Concen: 47.572 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 53 Resp: 2127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.1 | 65.5 | 98.3 |
| 51 | 38.5 | 30.6 | 46.0 |




**Instrument :**
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VSTDICC010

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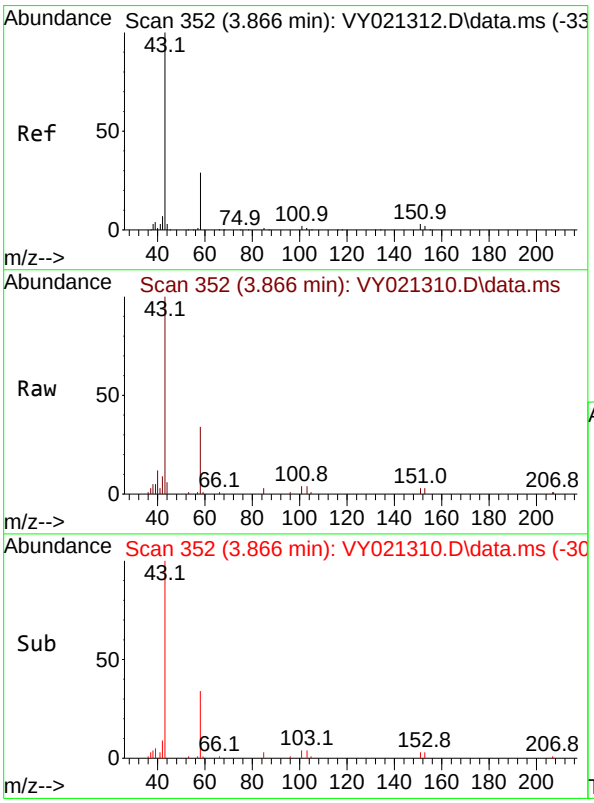
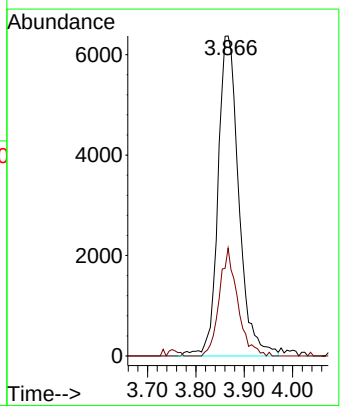
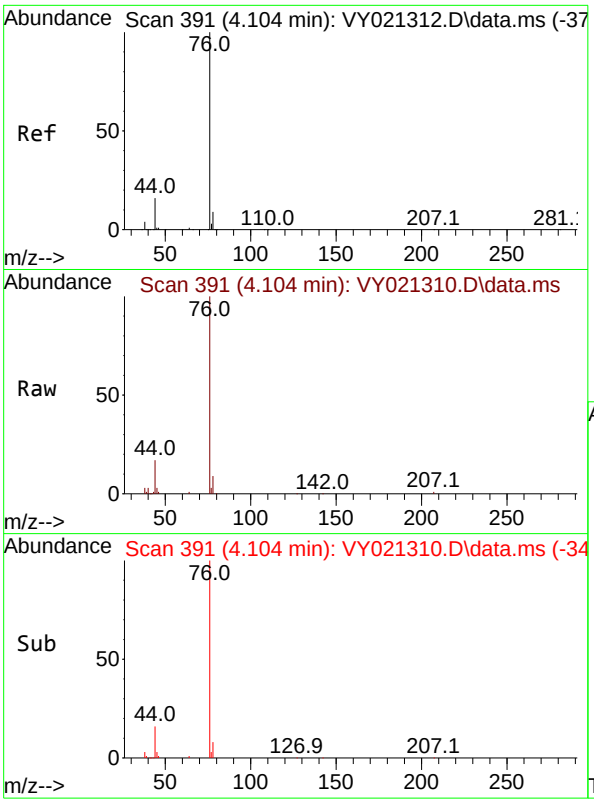



#16
Acetone
Concen: 47.086 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 19023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.7 | 23.5 | 35.3 |

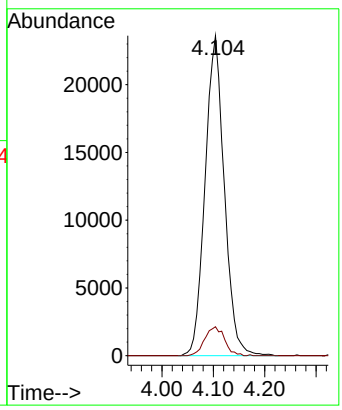





#17
Carbon Disulfide
Concen: 9.888 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 76 Resp: 6133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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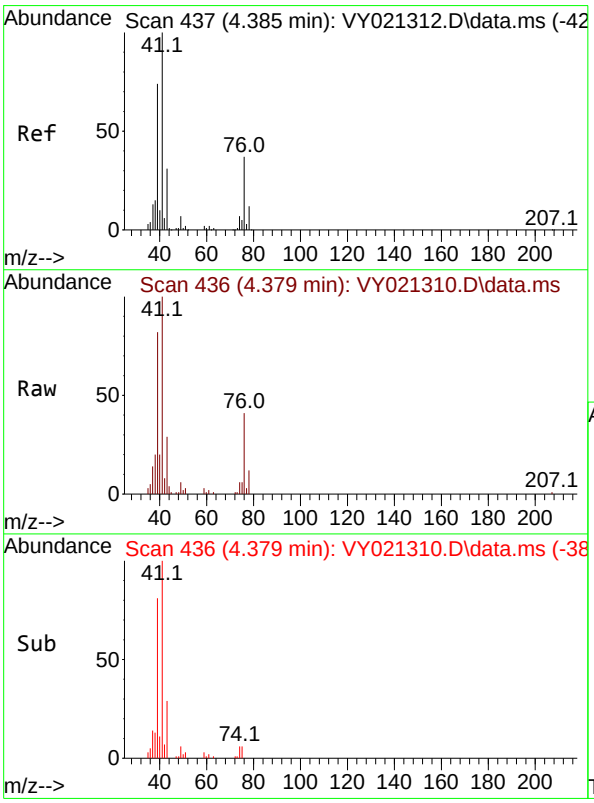
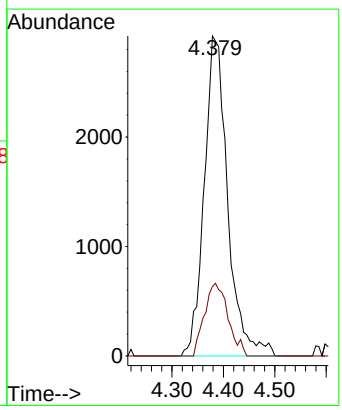
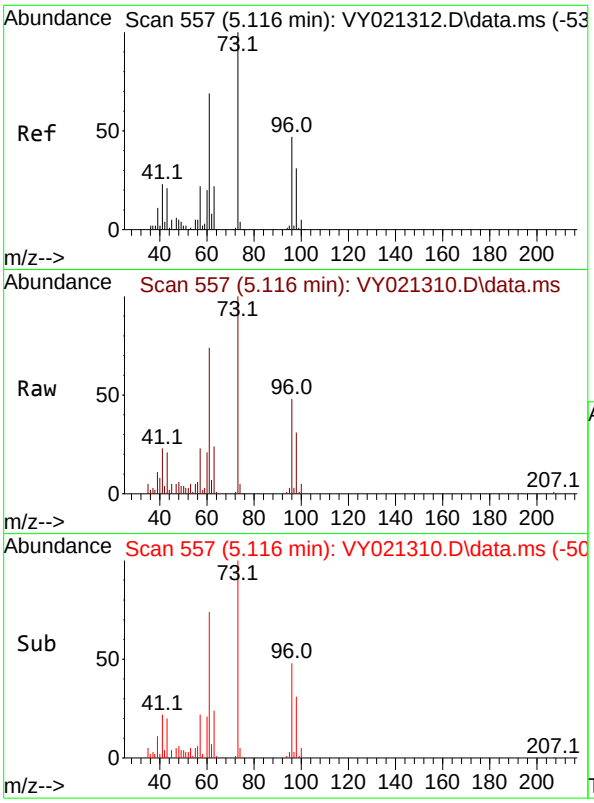



#18
Methyl Acetate
Concen: 9.378 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 9259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 17.7 | 26.5 |

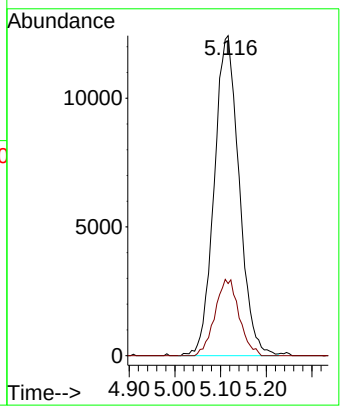





#19
Methyl tert-butyl Ether
Concen: 9.541 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 73 Resp: 4709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.6 | 17.4 | 26.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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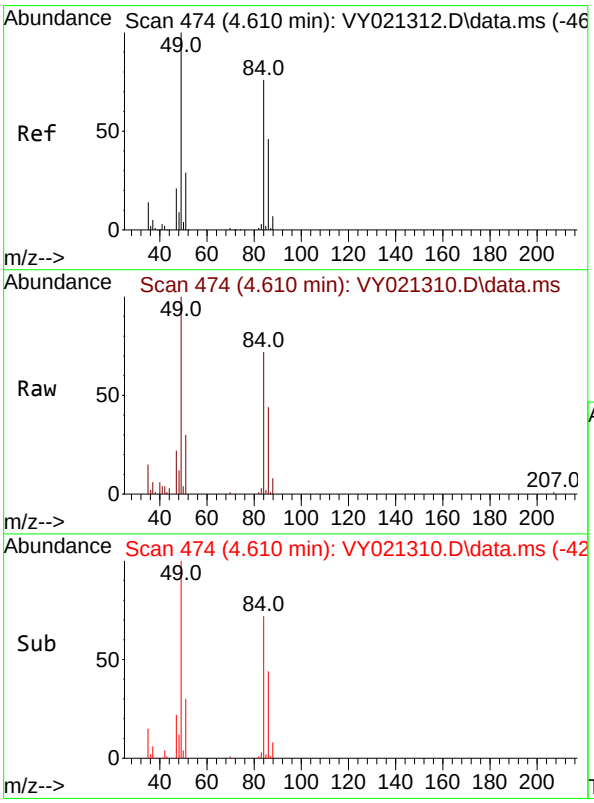
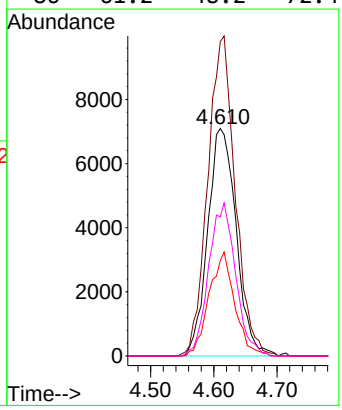
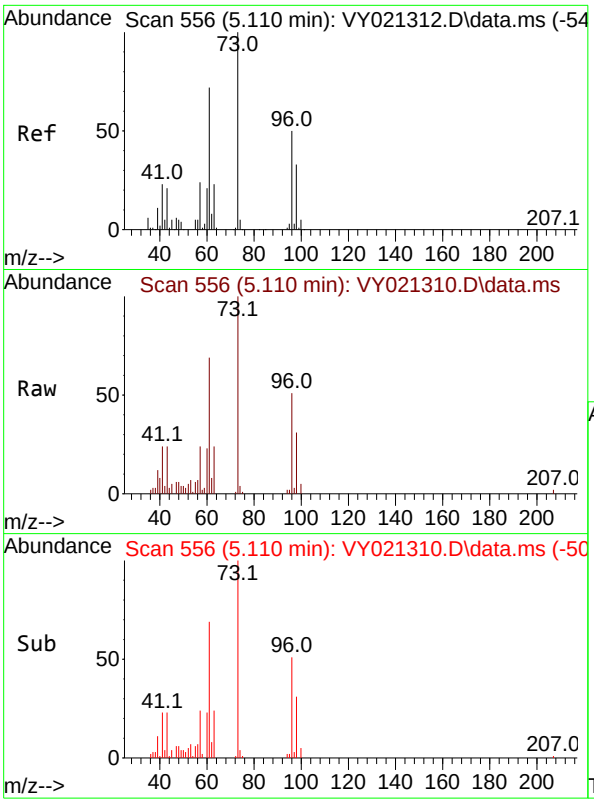



#20
Methylene Chloride
Concen: 10.158 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 84 Resp: 22192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 138.2 | 105.1 | 157.7 |
| 51 | 41.9 | 31.0 | 46.4 |
| 86 | 61.2 | 48.2 | 72.4 |

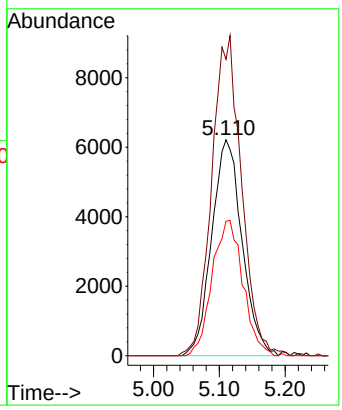





#21
trans-1,2-Dichloroethene
Concen: 9.687 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 1992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.3 | 116.3 | 174.5 |
| 98 | 62.3 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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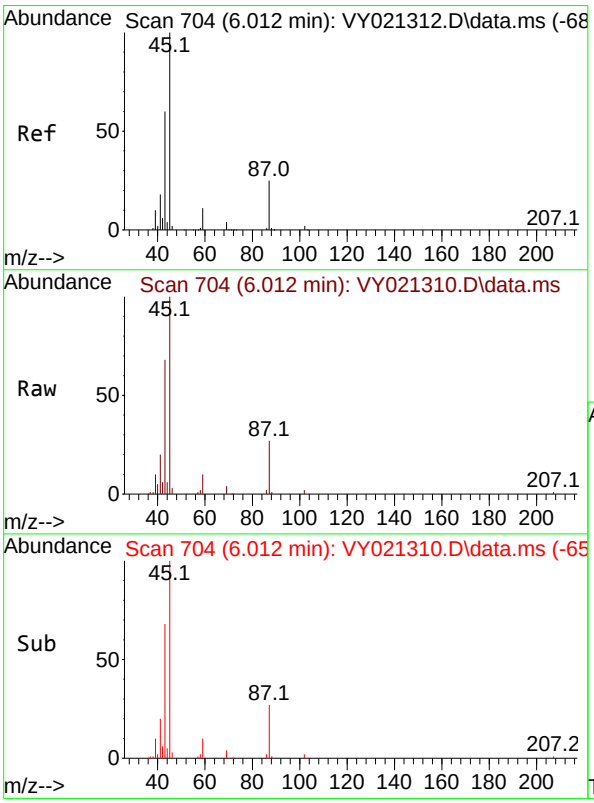
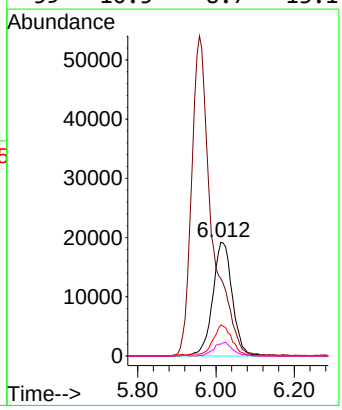
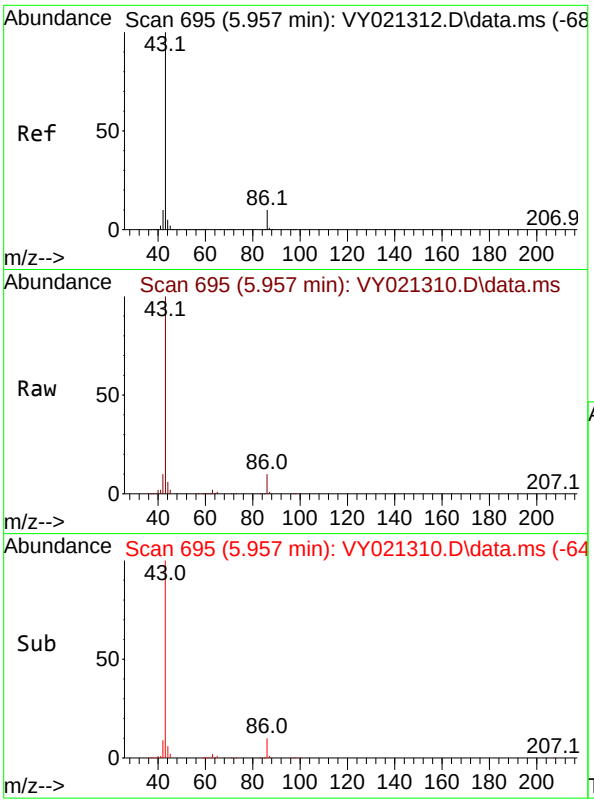



#22
Diisopropyl ether
Concen: 9.717 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 45 Resp: 66598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 67.4 | 48.2 | 72.4 |
| 87 | 27.4 | 20.3 | 30.5 |
| 59 | 10.5 | 8.7 | 13.1 |

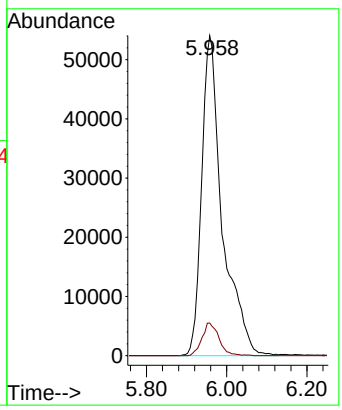





#23
Vinyl Acetate
Concen: 47.195 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 19329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.0 | 12.0 |




**Instrument :**
MSVOA_Y
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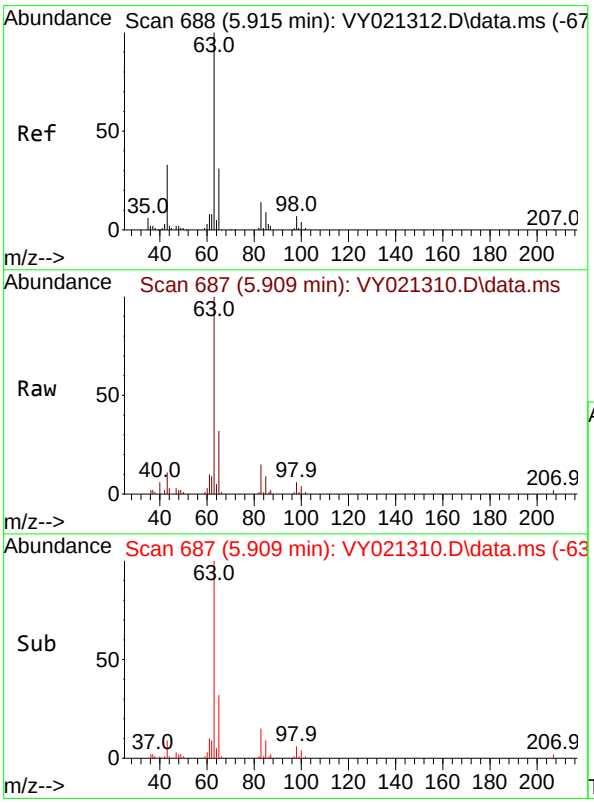
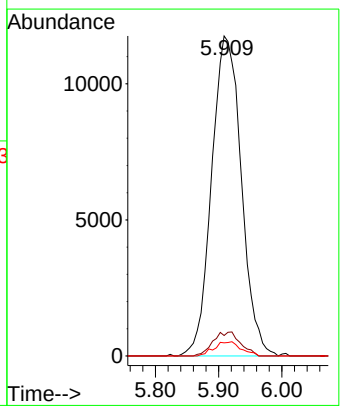
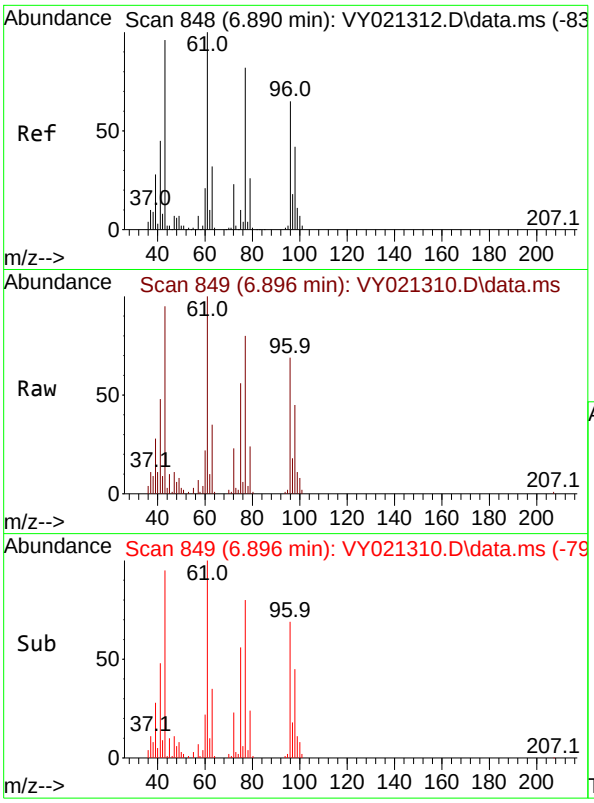



#24
1,1-Dichloroethane
Concen: 9.918 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 38311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.4 | 3.7 | 11.1 |
| 100 | 4.1 | 2.1 | 6.5 |

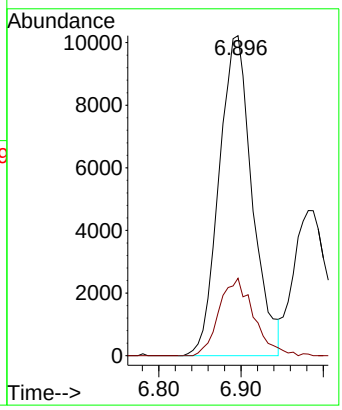





#25
2-Butanone
Concen: 47.087 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 2871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.2 | 19.0 | 28.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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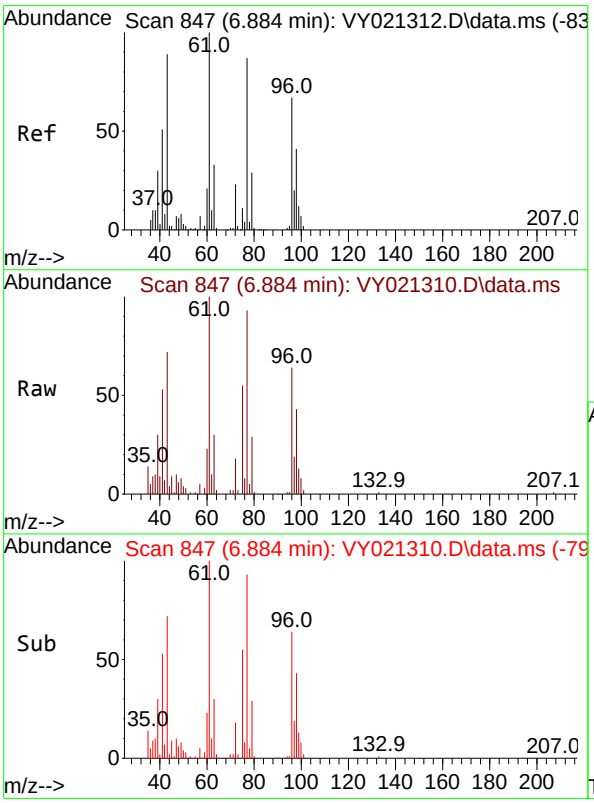
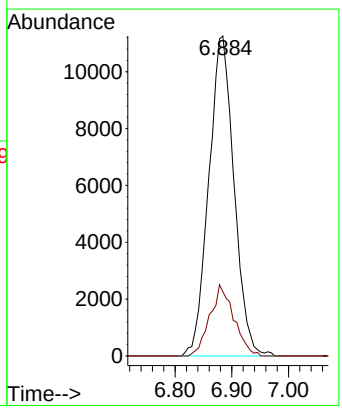
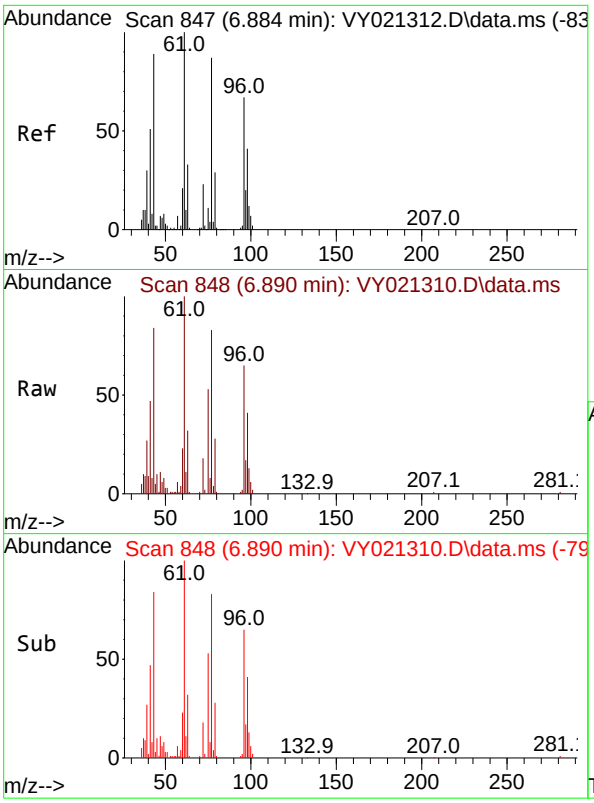



#26
2,2-Dichloropropane
Concen: 9.945 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 77 Resp: 34859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.2 | 10.9 | 32.7 |

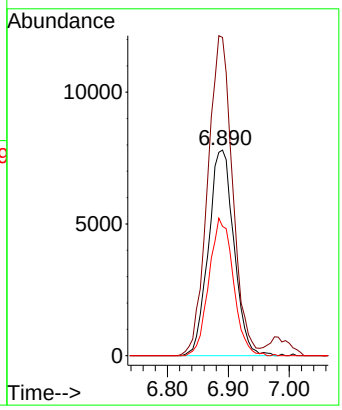





#27
cis-1,2-Dichloroethene
Concen: 9.651 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 2266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.2 | 0.0 | 308.0 |
| 98 | 63.9 | 0.0 | 129.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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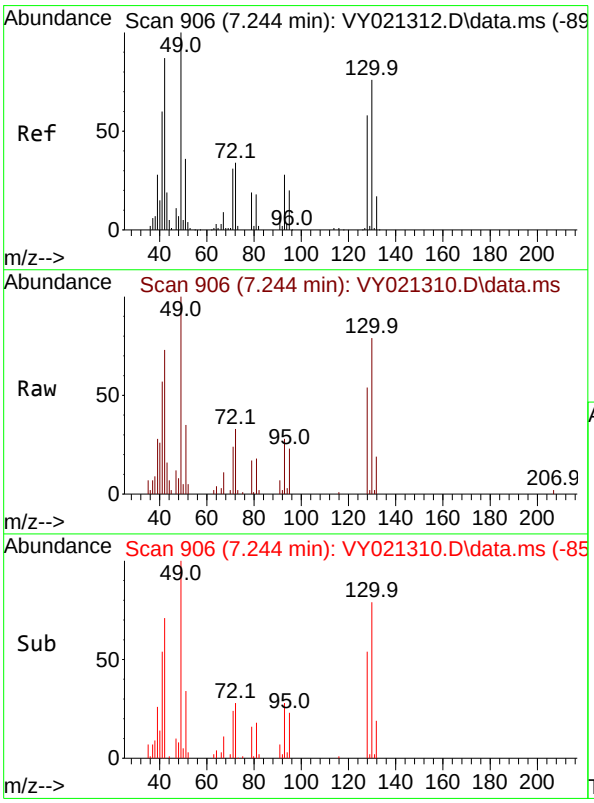
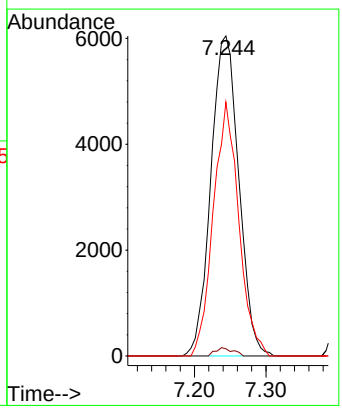
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

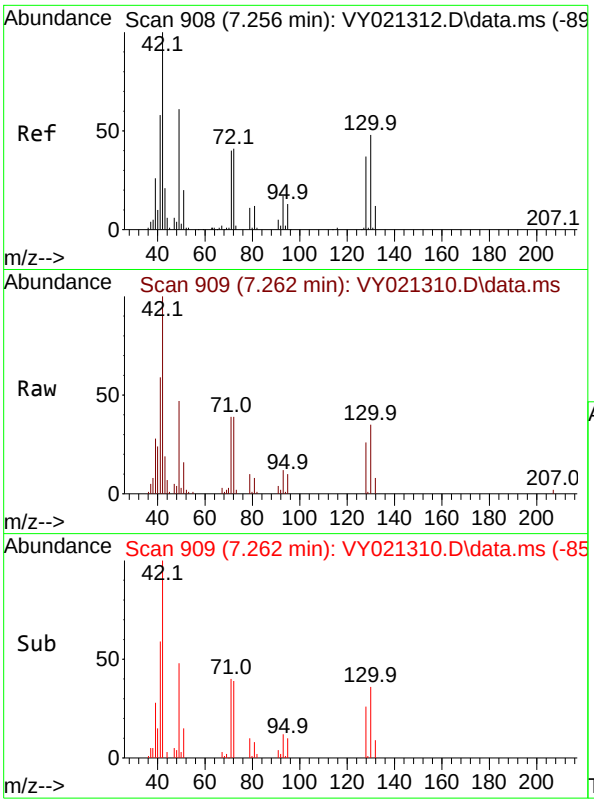



#28
Bromochloromethane
Concen: 9.605 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 49 Resp: 16417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 4.0 |
| 130 | 72.2 | 57.8 | 86.6 |

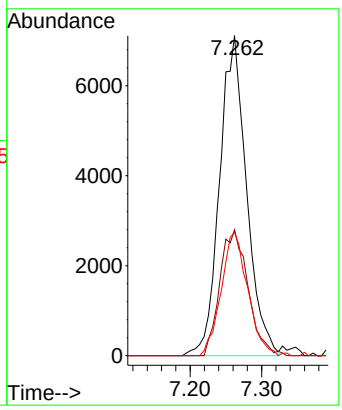





#29
Tetrahydrofuran
Concen: 46.731 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 42 Resp: 1862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.1 | 33.1 | 49.7 |
| 71 | 38.1 | 31.4 | 47.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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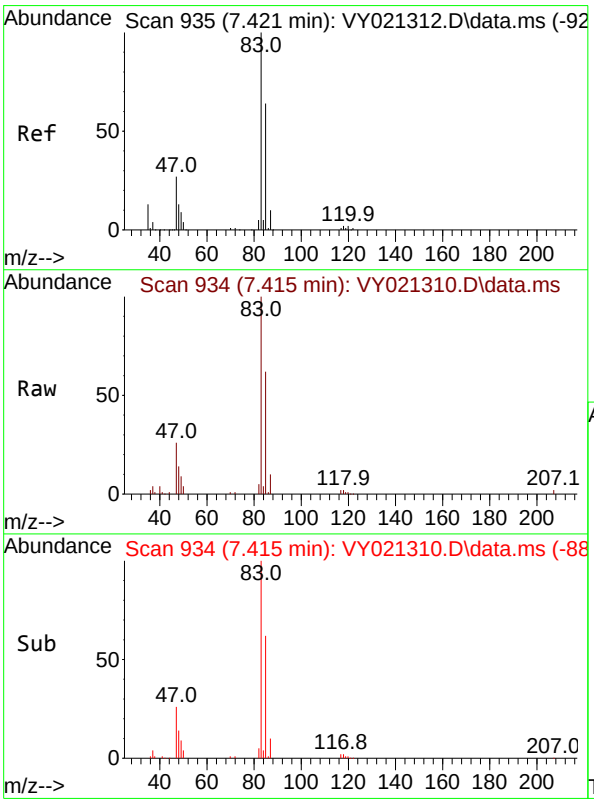
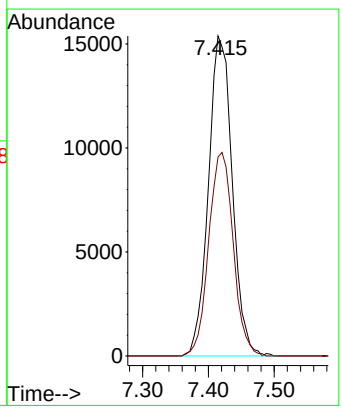
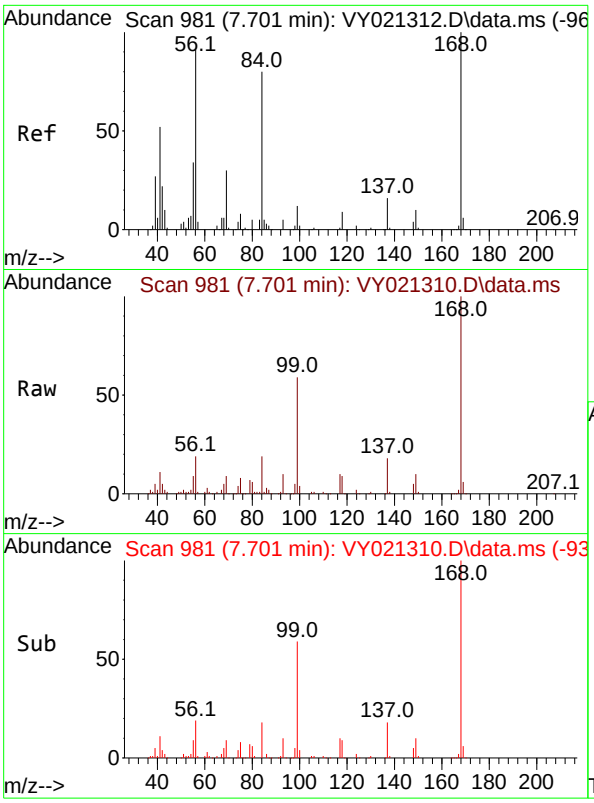



#30
Chloroform
Concen: 9.922 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 38838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.2 | 51.6 | 77.4 |

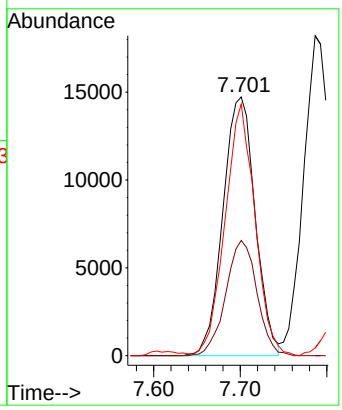





#31
Cyclohexane
Concen: 10.253 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 56 Resp: 3807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 44.5 | 26.2 | 39.4 |
| 84 | 96.3 | 70.2 | 105.4 |




**Instrument :**
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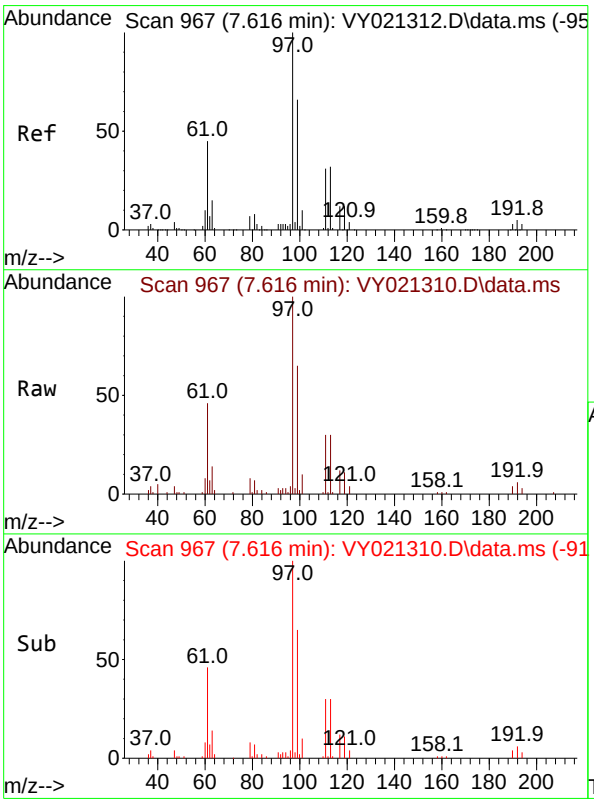
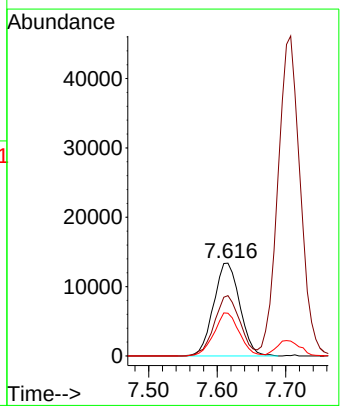
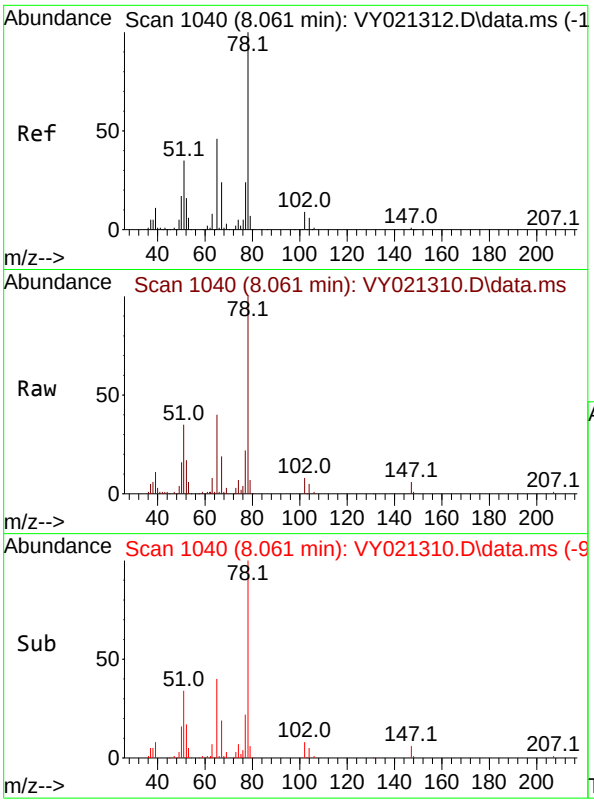



#32
1,1,1-Trichloroethane
Concen: 9.961 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 35489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 52.4 | 78.6 |
| 61 | 45.1 | 36.2 | 54.2 |

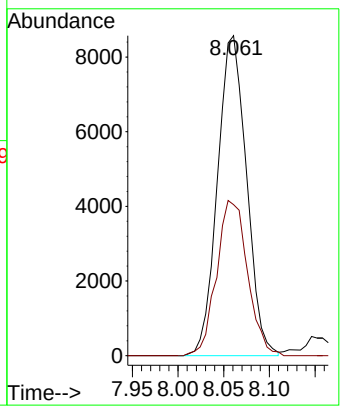





#33
1,2-Dichloroethane-d4
Concen: 8.992 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 65 Resp: 1893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 103.6 |




**Instrument :**
MSVOA_Y
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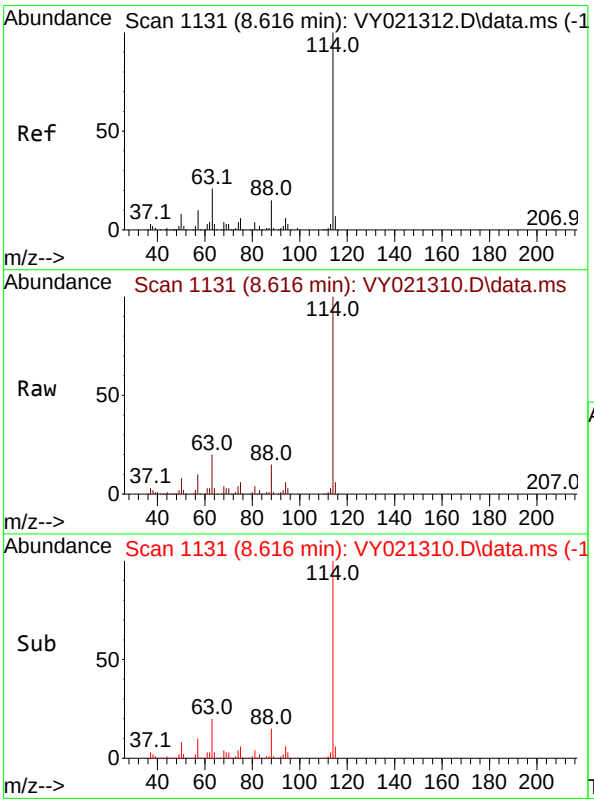
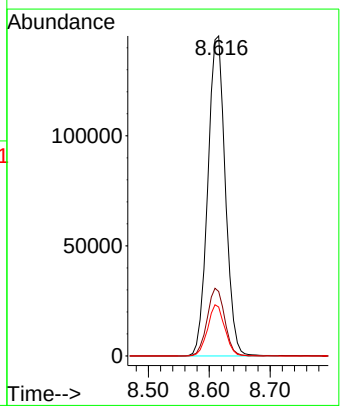
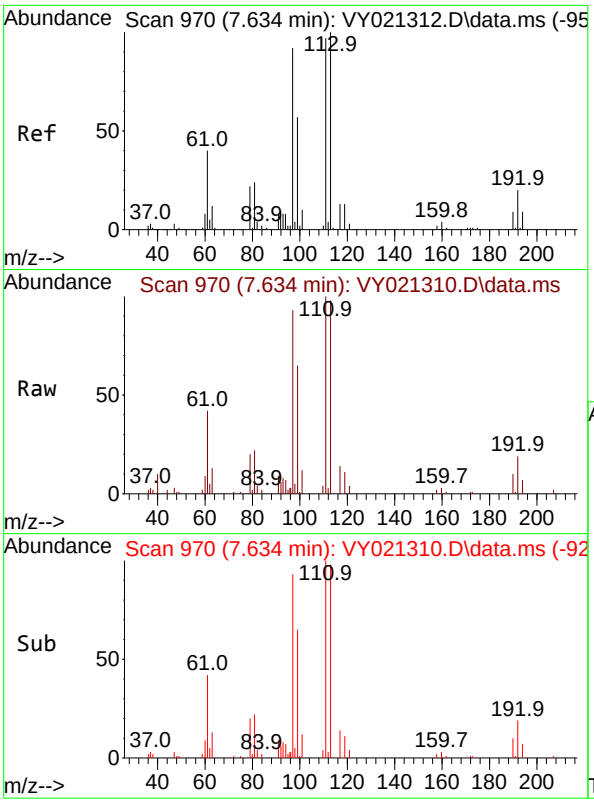



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:114 Resp: 289178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 42.2 |
| 88 | 15.3 | 0.0 | 29.8 |

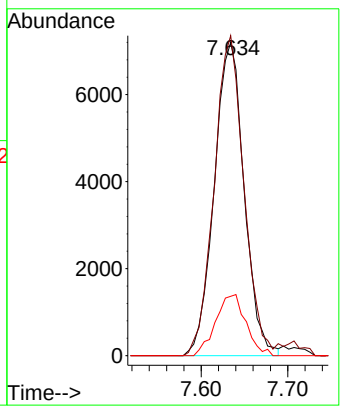





#35
Dibromofluoromethane
Concen: 9.108 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:113 Resp: 1726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 81.0 | 121.6 |
| 192 | 19.7 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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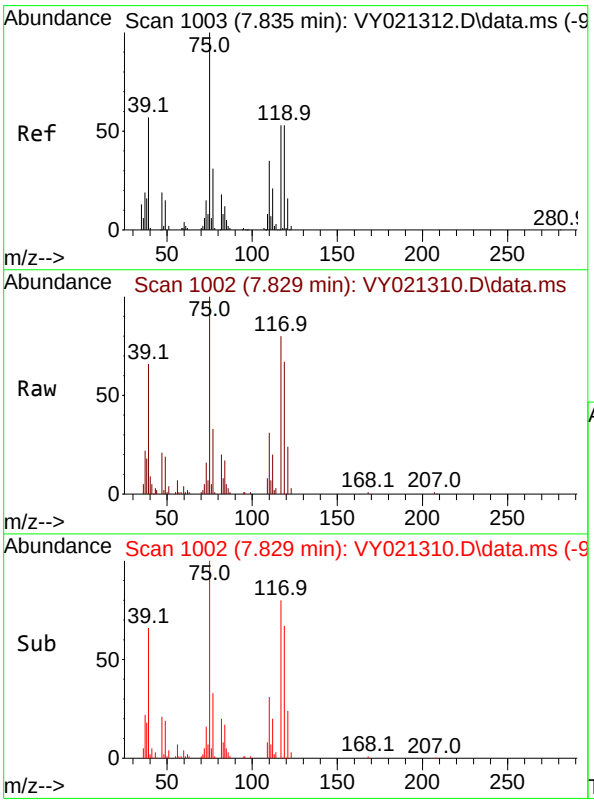
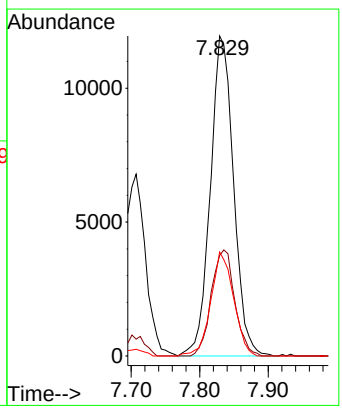
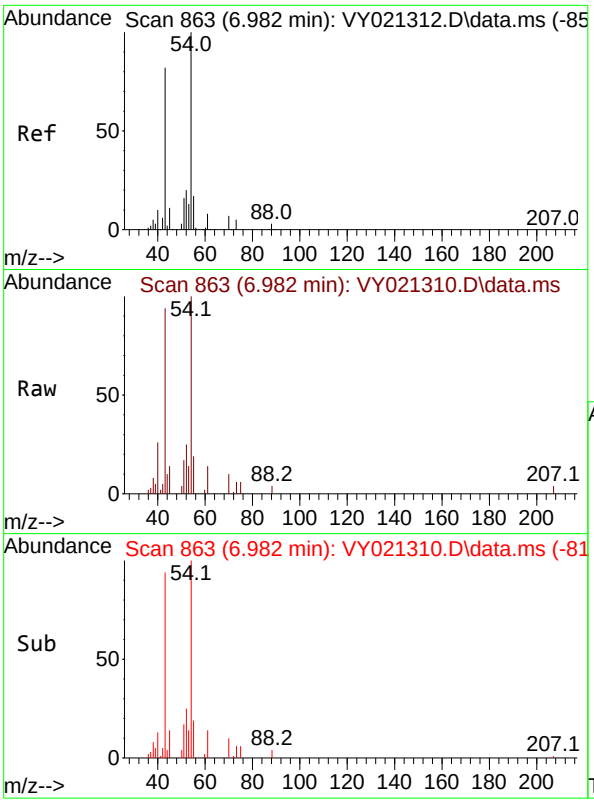



#36
1,1-Dichloropropene
Concen: 9.892 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 28171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.5 | 16.9 | 50.7 |
| 77 | 31.9 | 24.6 | 36.8 |

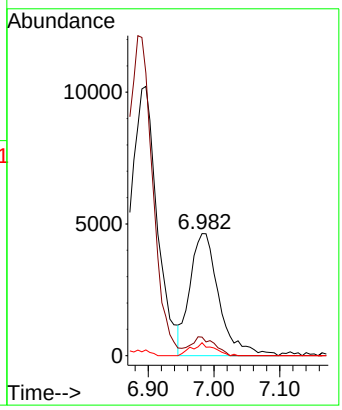





#37
Ethyl Acetate
Concen: 10.038 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 1421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.4 | 10.4 | 15.6 |
| 70 | 8.0 | 7.5 | 11.3 |




**Instrument :**
MSVOA_Y
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VSTDICC010

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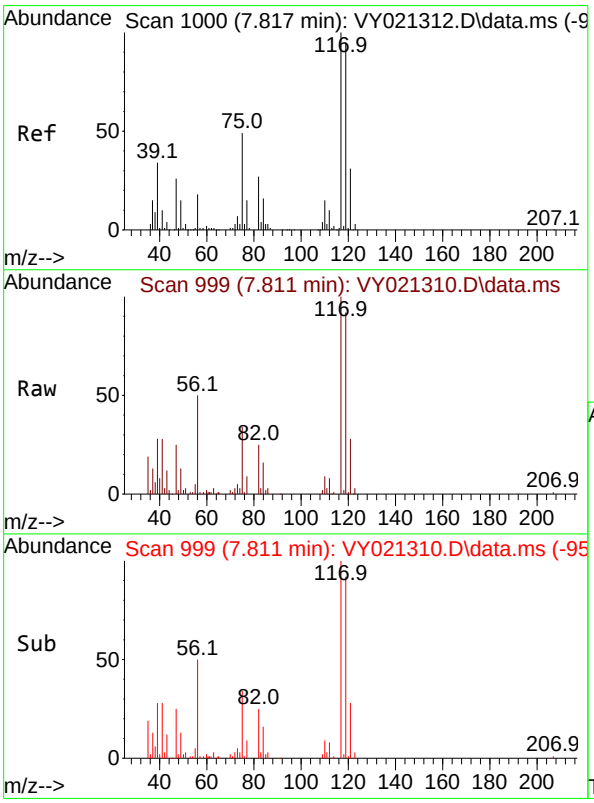
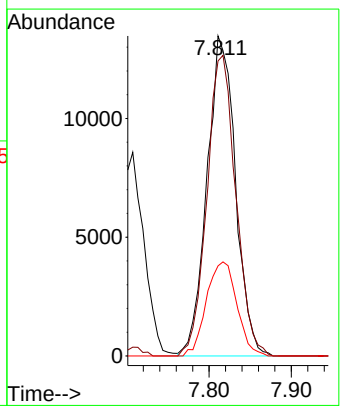
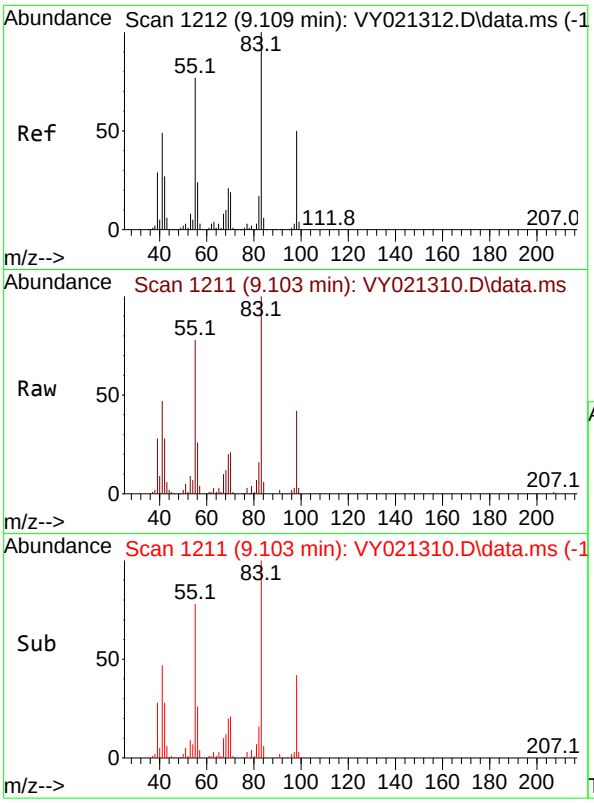



#38
Carbon Tetrachloride
Concen: 10.149 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 32494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.2 | 76.0 | 114.0 |
| 121 | 28.1 | 24.9 | 37.3 |






#39
Methylcyclohexane
Concen: 9.837 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 3543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.2 | 61.3 | 91.9 |
| 98 | 42.5 | 39.9 | 59.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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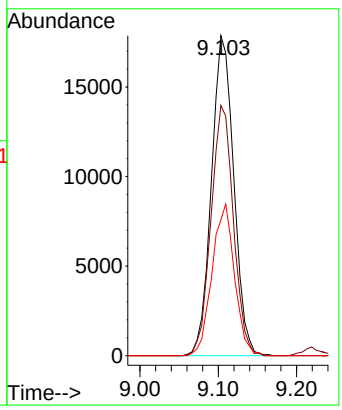
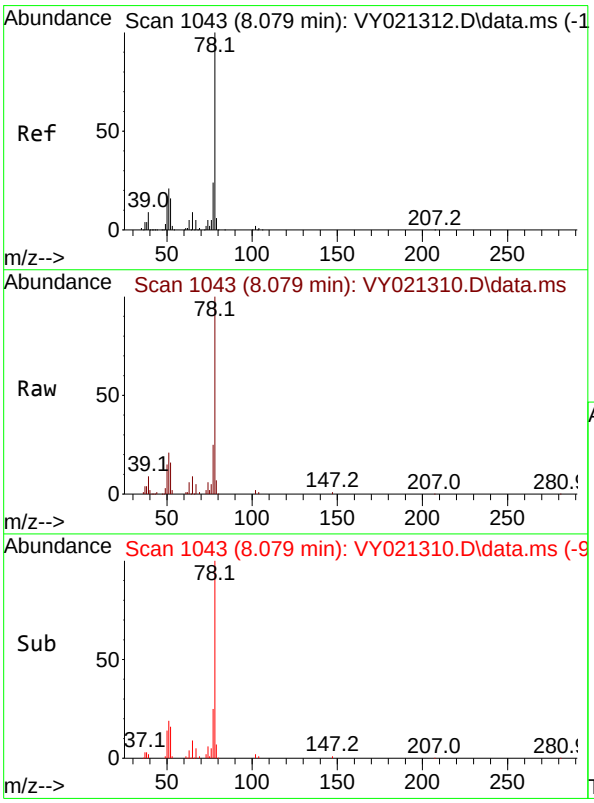
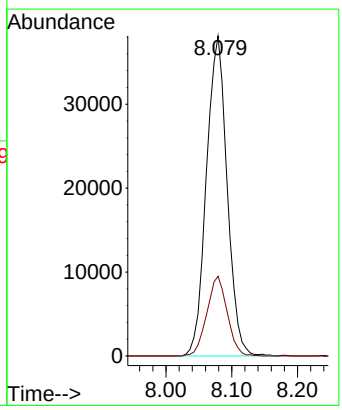


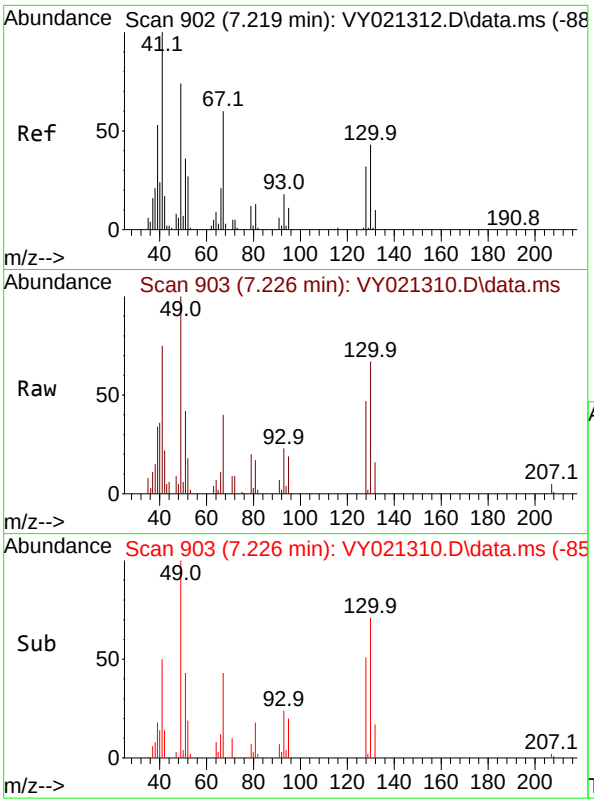




#40
Benzene
Concen: 9.930 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 78 Resp: 83594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.9 | 19.2 | 28.8 |

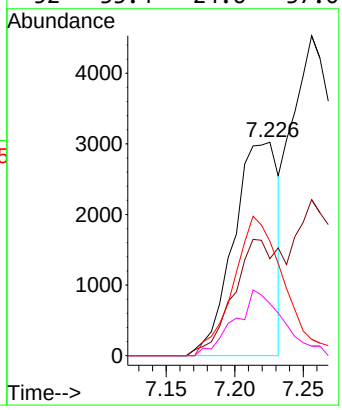





#41
Methacrylonitrile
Concen: 8.642 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.5 | 42.3 | 63.5 |
| 67 | 74.2 | 54.8 | 82.2 |
| 52 | 33.4 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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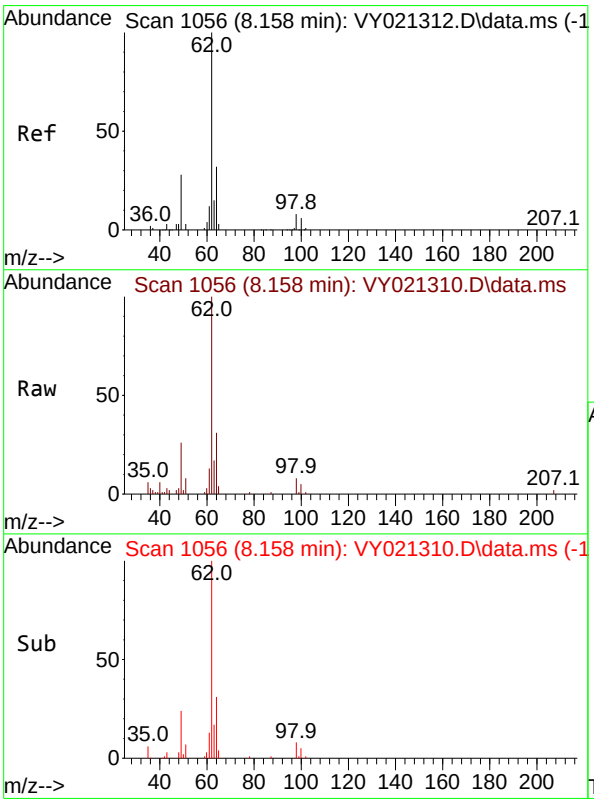
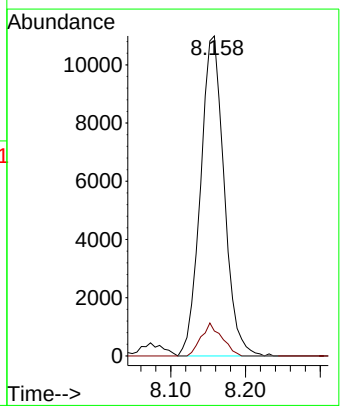
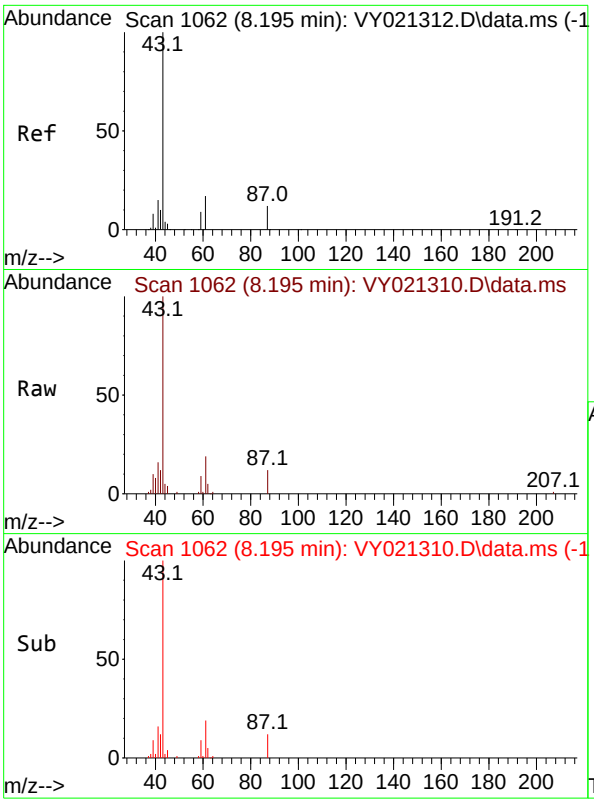



#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 24091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.6 |






#43
Isopropyl Acetate
Concen: 9.436 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 2587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 15.0 | 22.6 |
| 87 | 12.3 | 10.0 | 15.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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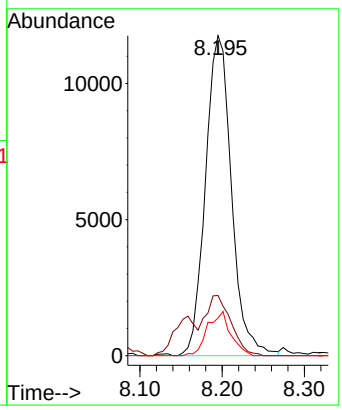
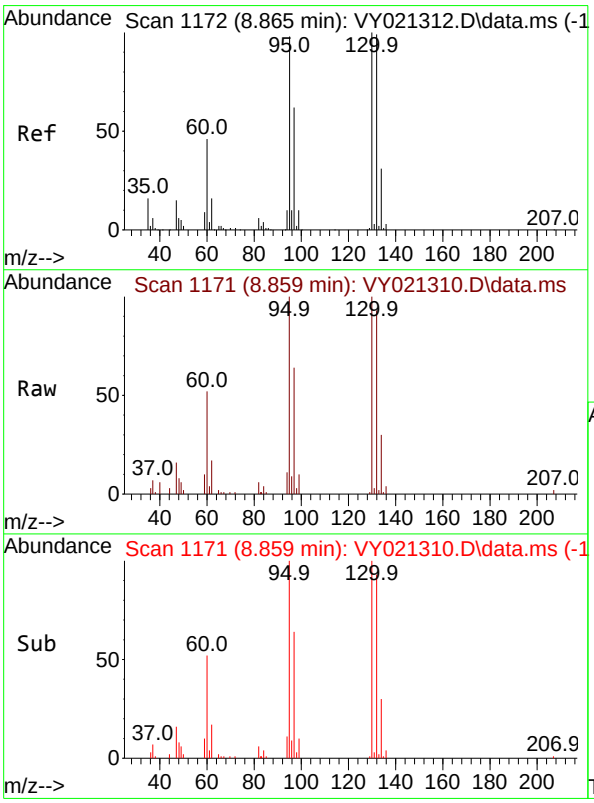
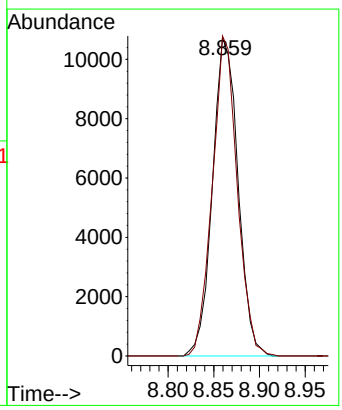


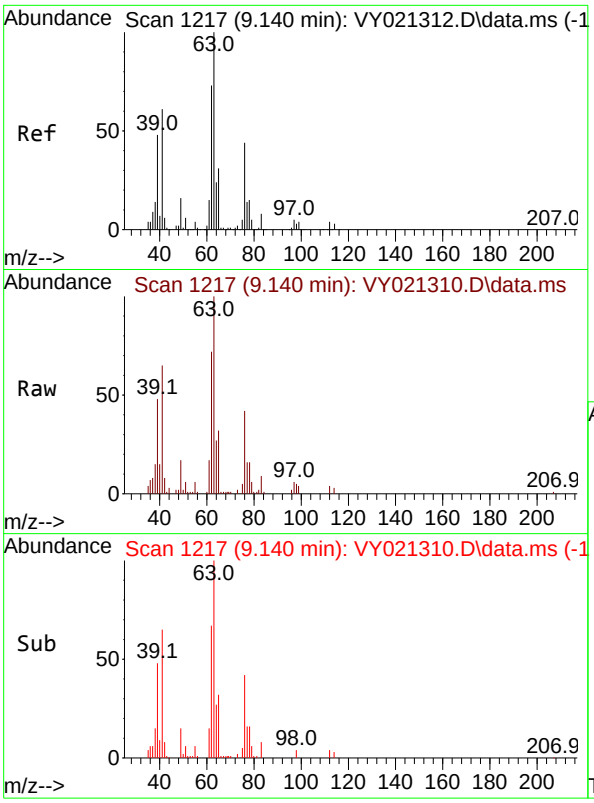




#44
Trichloroethene
Concen: 9.880 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:130 Resp: 20823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.5 | 0.0 | 196.0 |

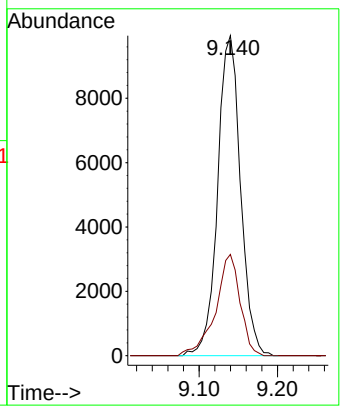





#45
1,2-Dichloropropane
Concen: 9.978 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 2021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.6 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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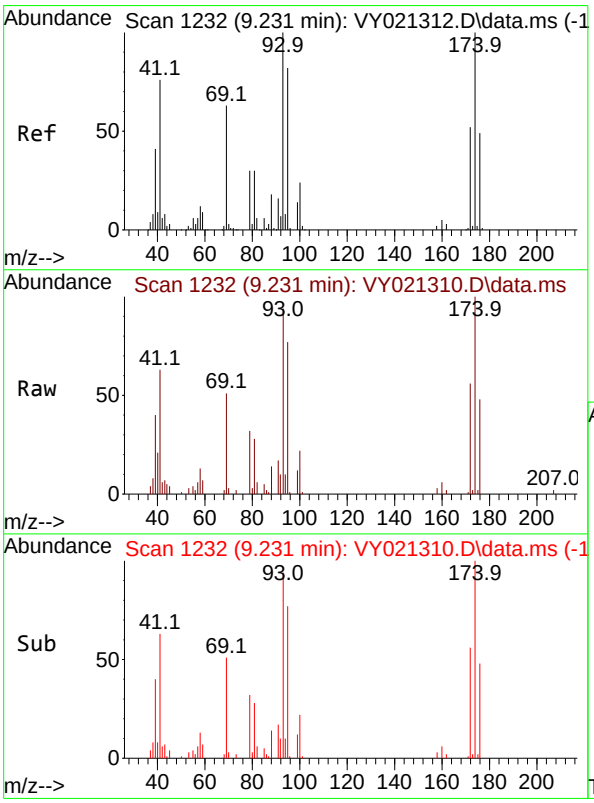
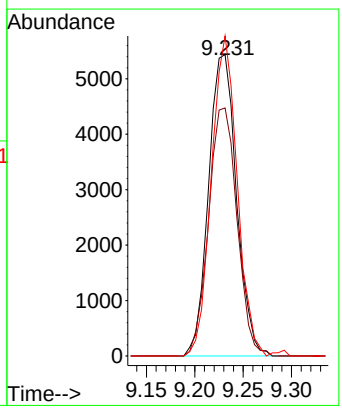
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

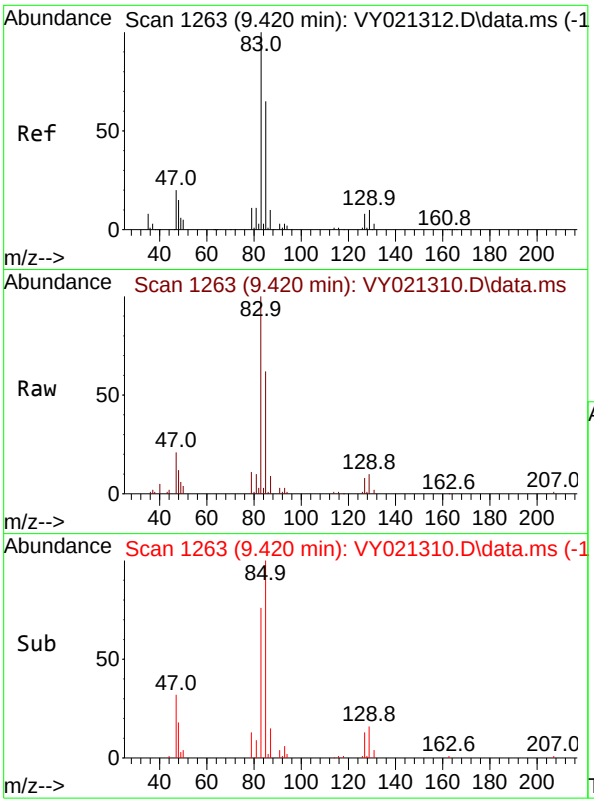



#46
Dibromomethane
Concen: 9.845 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 93 Resp: 10902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.8 | 66.4 | 99.6 |
| 174 | 98.2 | 78.2 | 117.2 |

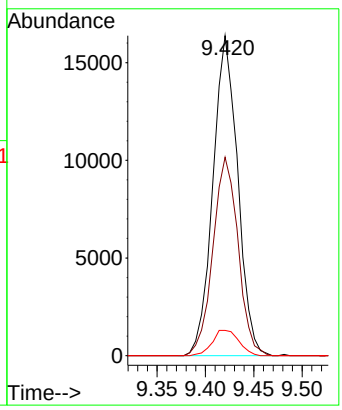





#47
Bromodichloromethane
Concen: 9.860 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 2911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.0 | 51.8 | 77.8 |
| 127 | 7.9 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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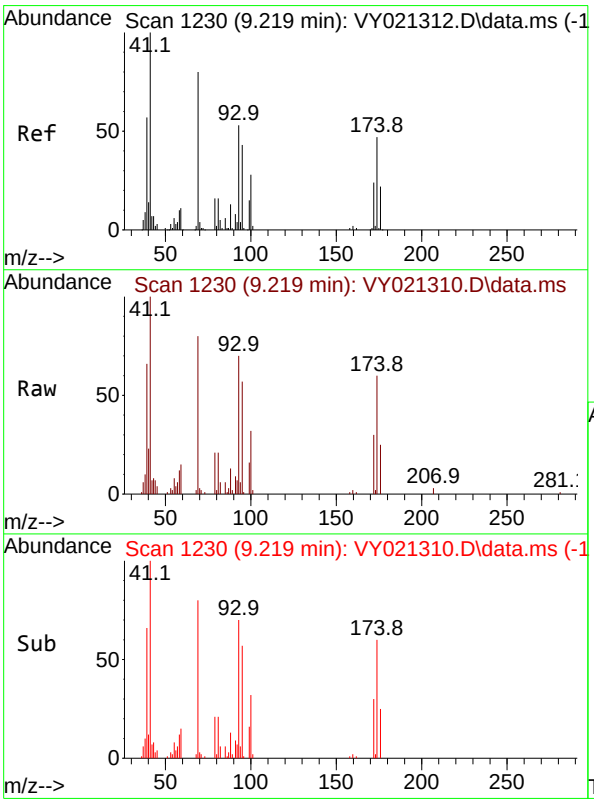
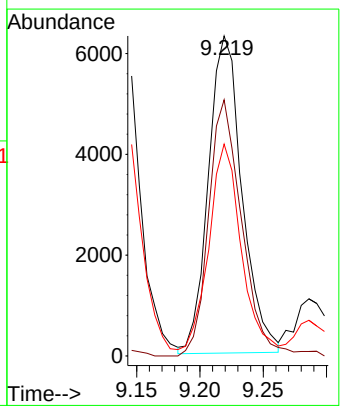
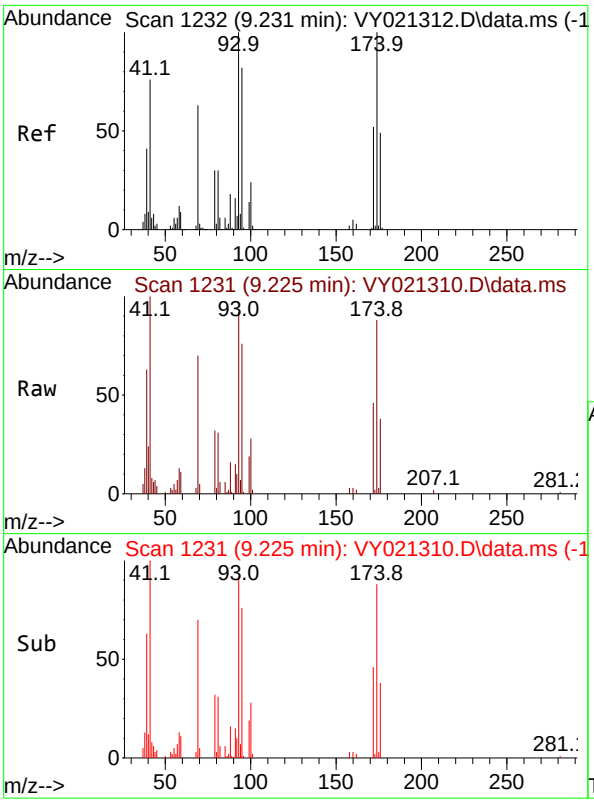



#48
Methyl methacrylate
Concen: 9.088 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 11652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.1 | 63.3 | 94.9 |
| 39 | 61.7 | 45.0 | 67.6 |






#49
1,4-Dioxane
Concen: 187.520 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 88 Resp: 230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 44.1 | 34.8 | 52.2 |
| 58 | 79.5 | 59.8 | 89.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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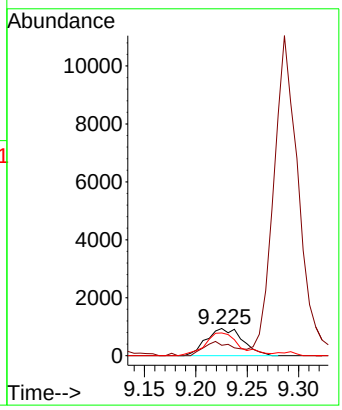
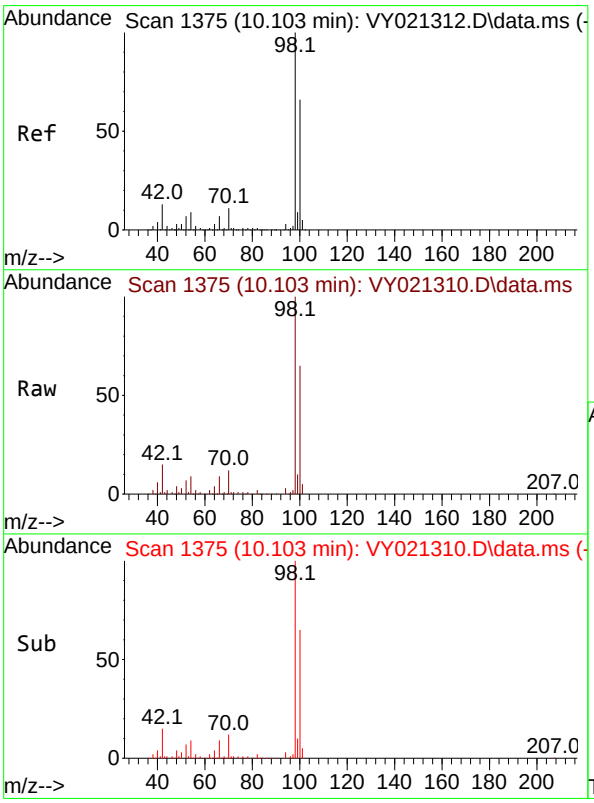
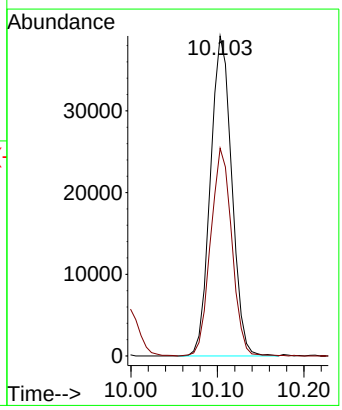


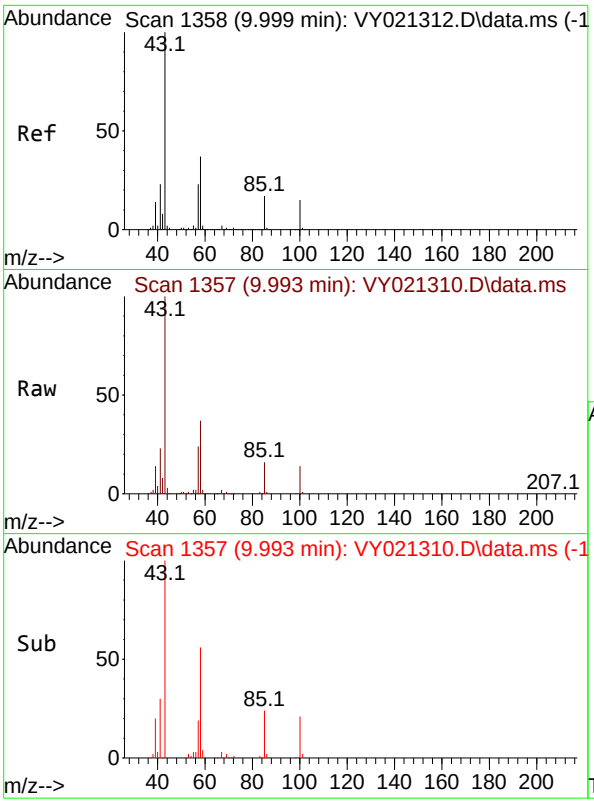




#50
Toluene-d8
Concen: 9.141 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 98 Resp: 66979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 52.4 | 78.6 |

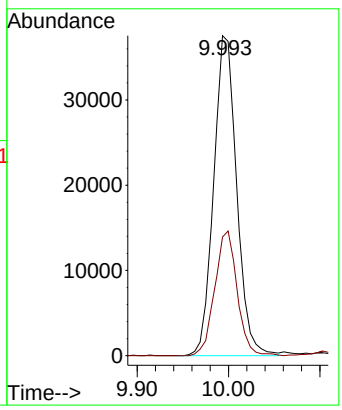





#51
4-Methyl-2-Pentanone
Concen: 46.808 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 6569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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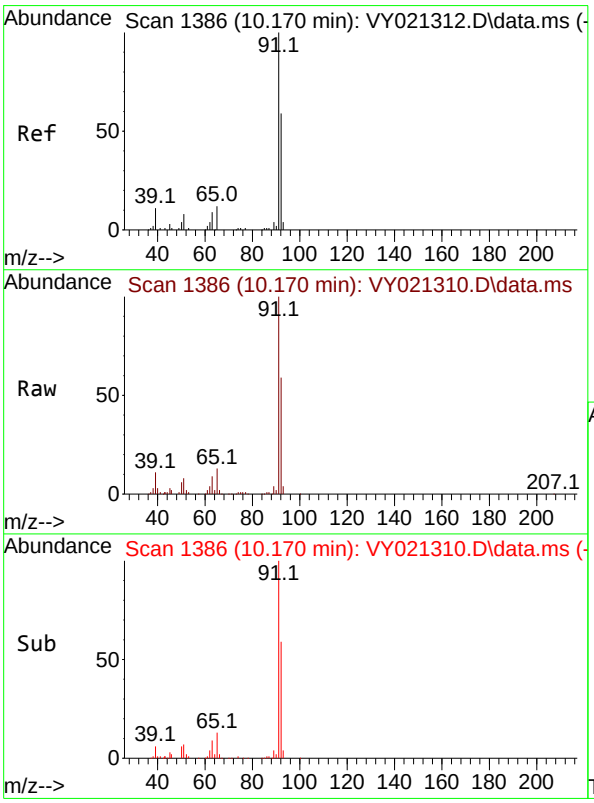
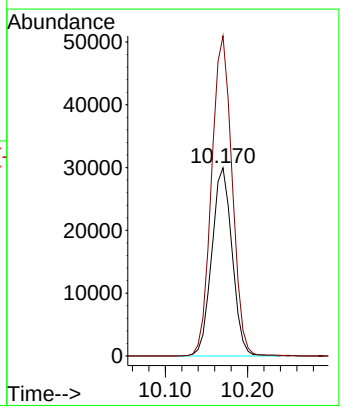
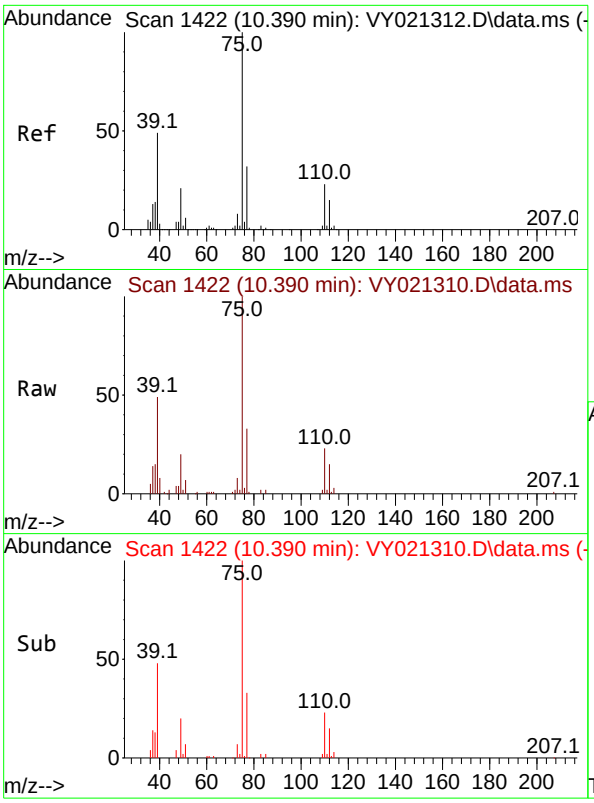



#52
Toluene
Concen: 9.823 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 92 Resp: 51371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 137.8 | 206.8 |

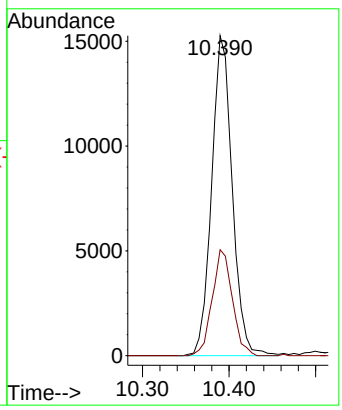





#53
t-1,3-Dichloropropene
Concen: 9.322 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 2521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 25.3 | 37.9 |

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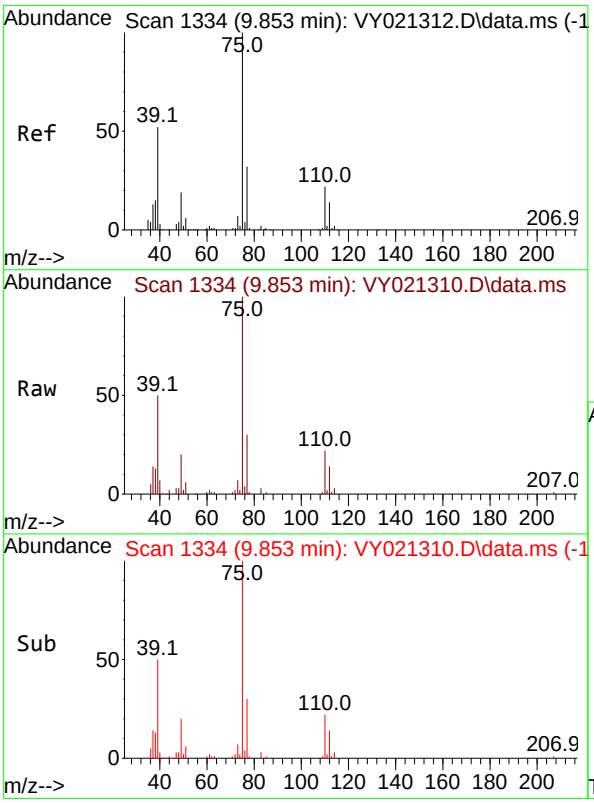
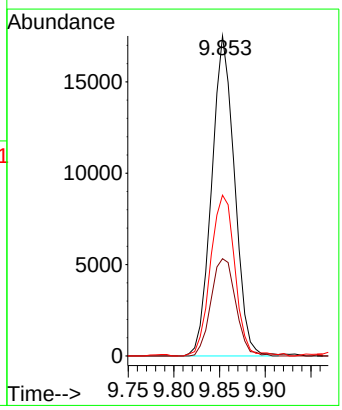
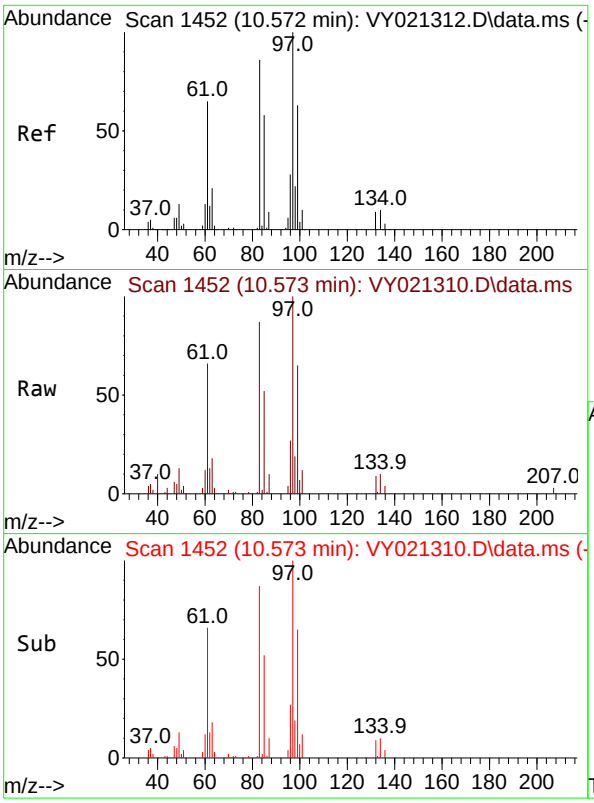



#54
cis-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 30428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.4 | 25.7 | 38.5 |
| 39 | 50.2 | 41.8 | 62.6 |

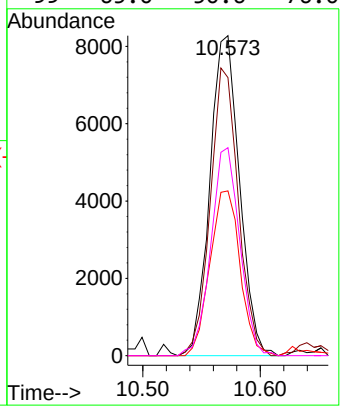





#55
1,1,2-Trichloroethane
Concen: 10.057 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 1450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.9 | 68.7 | 103.1 |
| 85 | 51.5 | 46.3 | 69.5 |
| 99 | 65.0 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
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VSTDICC010

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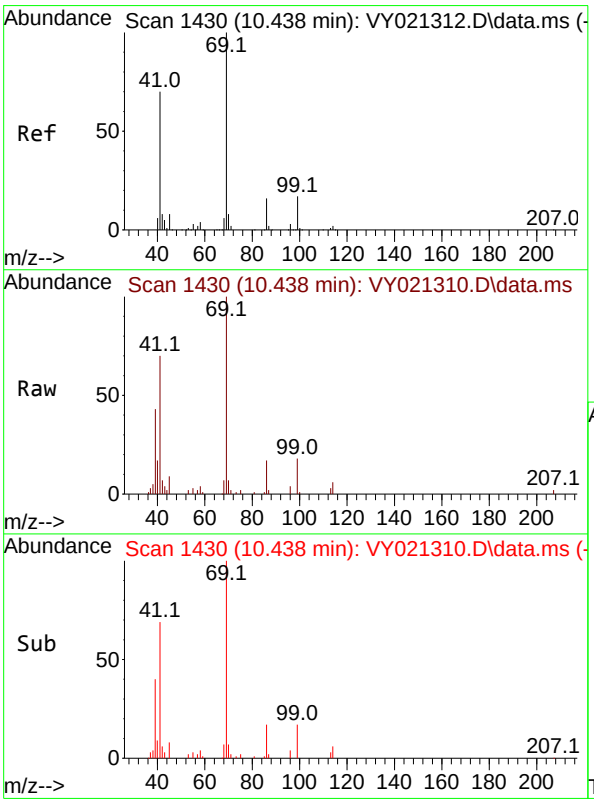
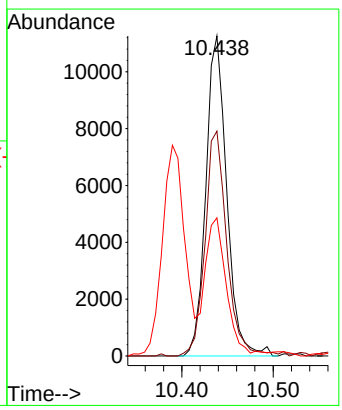
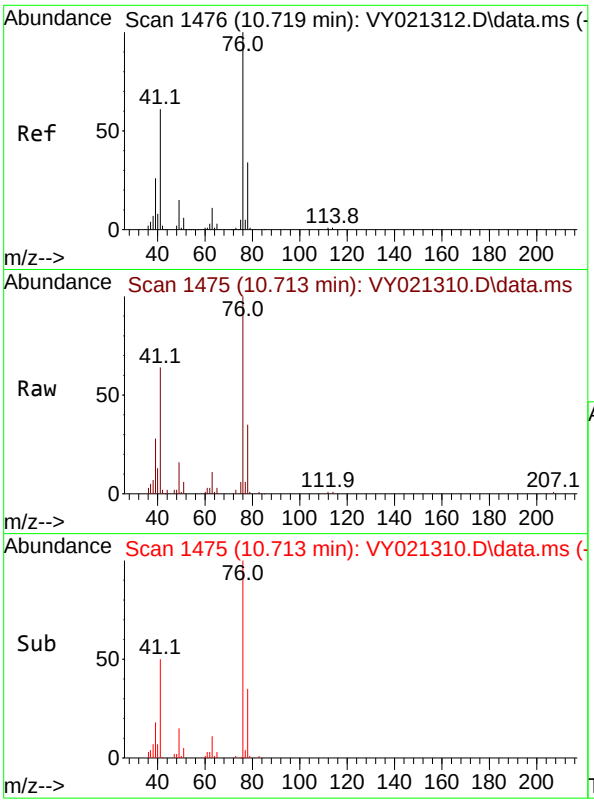



#56
Ethyl methacrylate
Concen: 8.938 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 69 Resp: 17817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 73.6 | 56.2 | 84.4 |
| 39 | 43.1 | 32.7 | 49.1 |

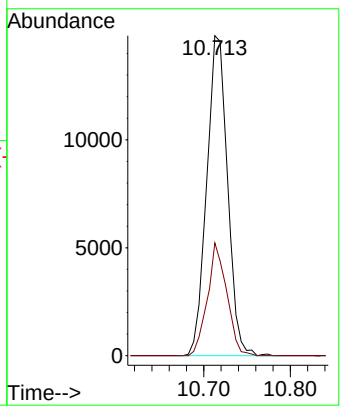





#57
1,3-Dichloropropane
Concen: 9.784 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 76 Resp: 2476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
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VSTDICC010

**Manual Integrations**
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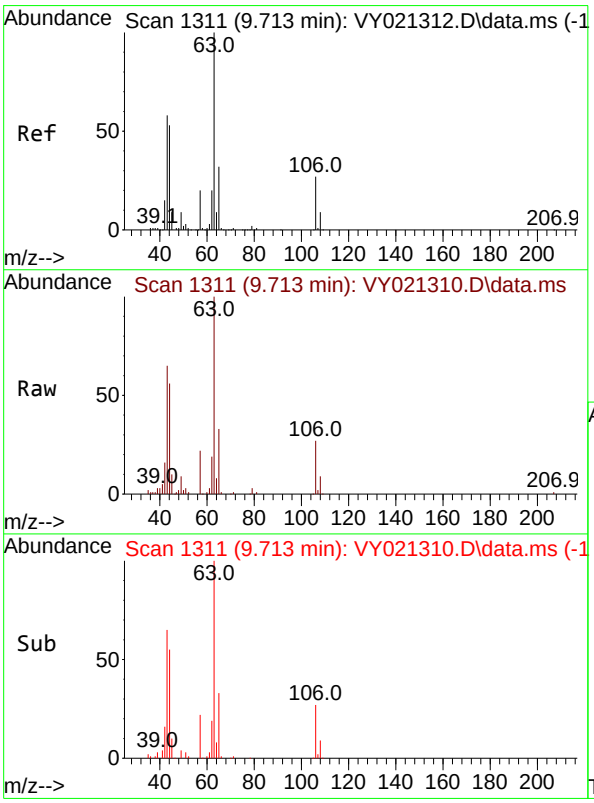
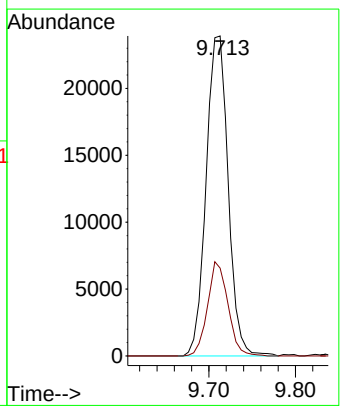
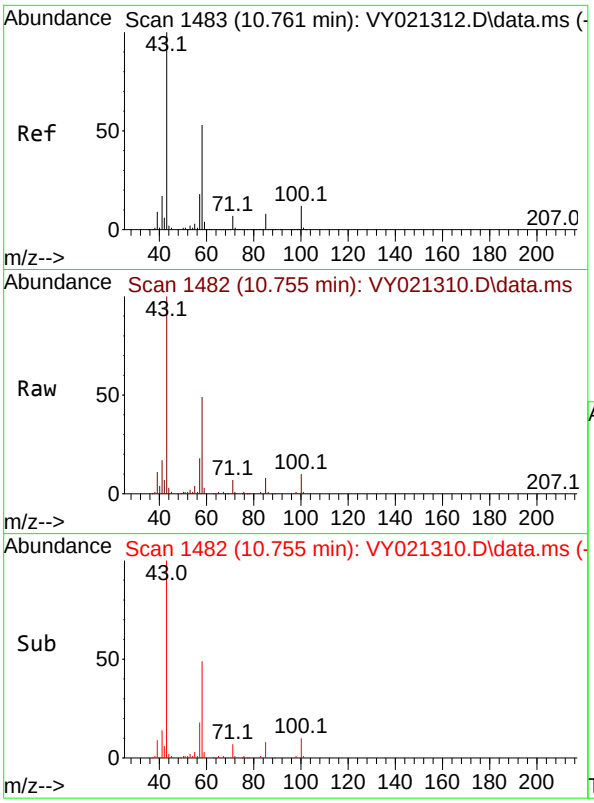



#58
2-Chloroethyl Vinyl ether
Concen: 44.215 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 42304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 21.7 | 32.5 |

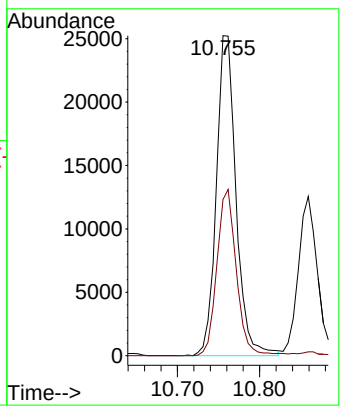





#59
2-Hexanone
Concen: 45.697 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 4212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.3 | 25.9 | 77.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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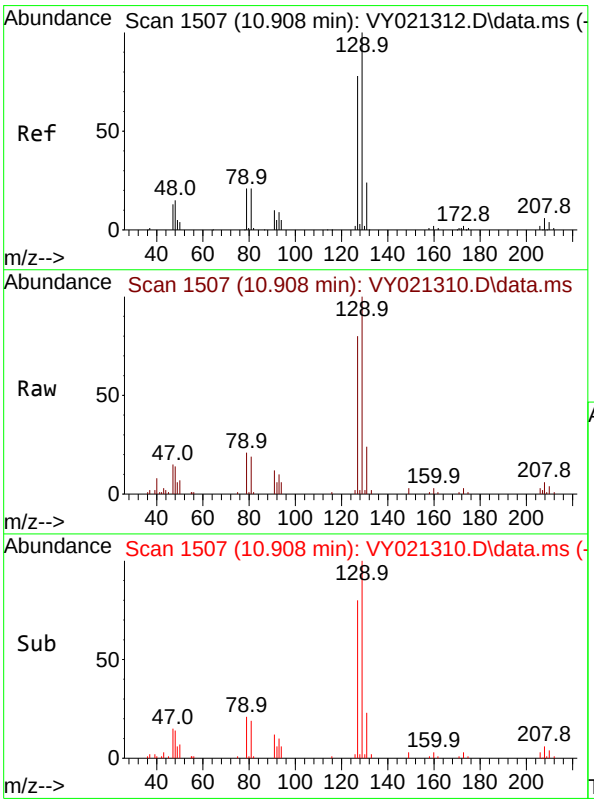
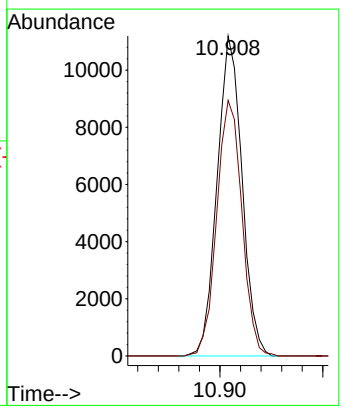
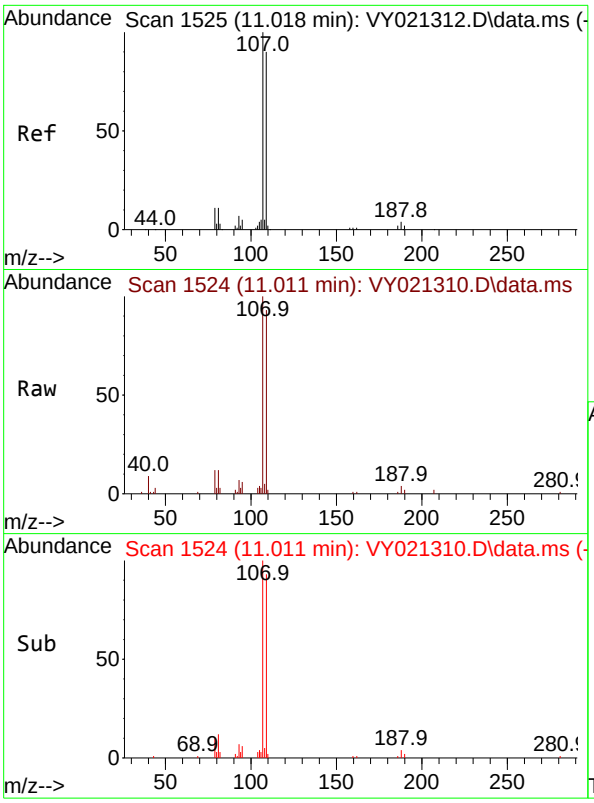



#60
Dibromochloromethane
Concen: 9.565 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:129 Resp: 18793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 80.8 | 38.8 | 116.4 |

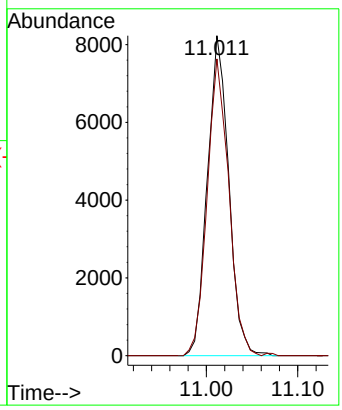





#61
1,2-Dibromoethane
Concen: 9.775 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:107 Resp: 1335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 73.8 | 110.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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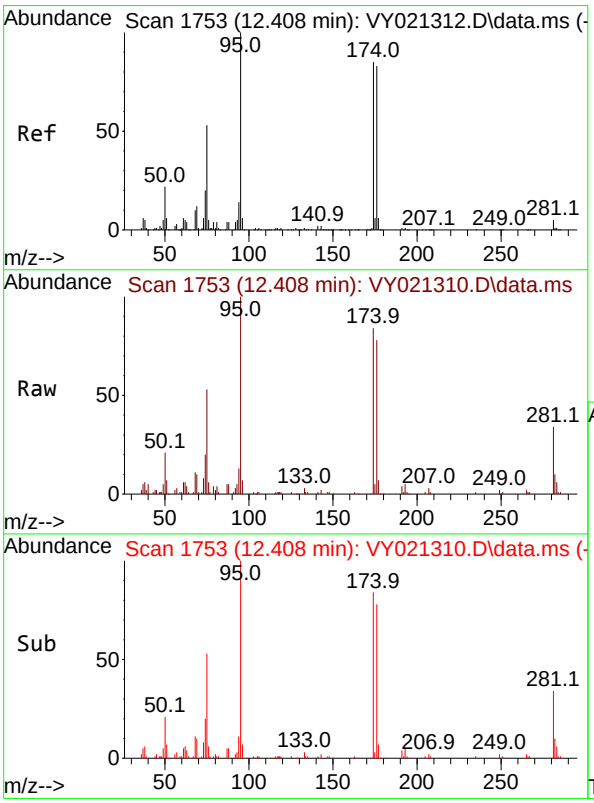
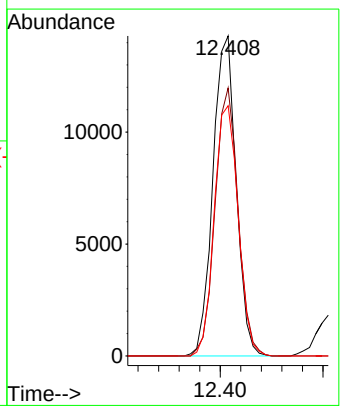
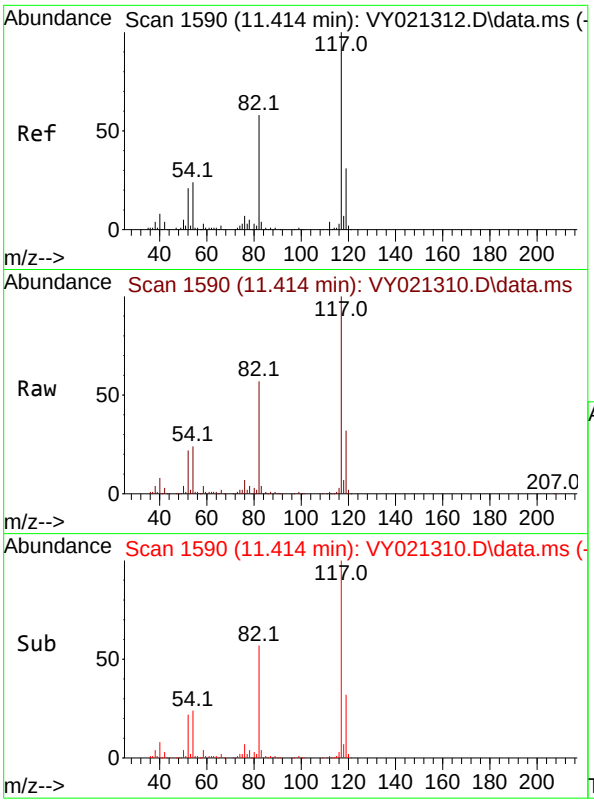



#62
4-Bromofluorobenzene
Concen: 9.069 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 95 Resp: 22364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.0 | 0.0 | 168.0 |
| 176 | 80.9 | 0.0 | 162.6 |

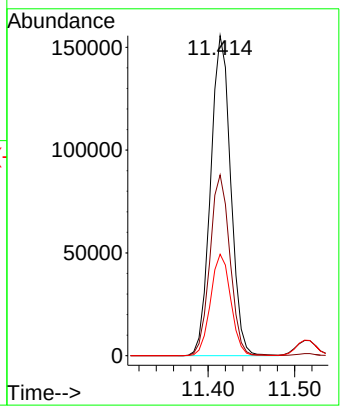





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 25062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.5 | 46.2 | 69.4 |
| 119 | 31.7 | 24.9 | 37.3 |




**Instrument :**
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**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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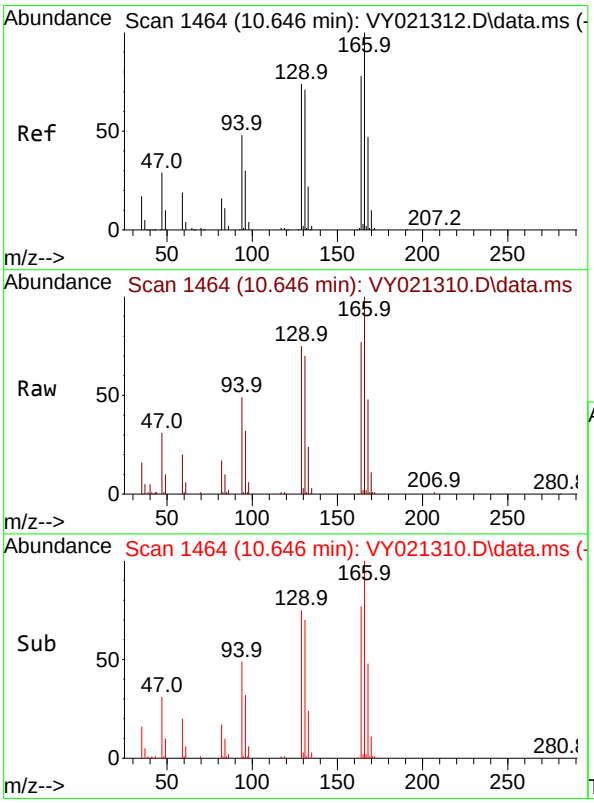
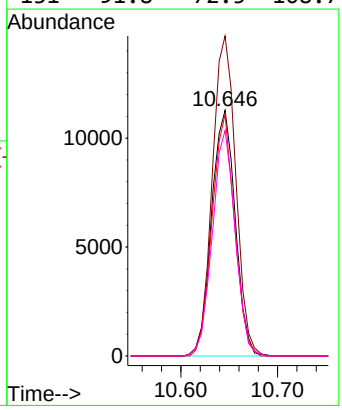
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

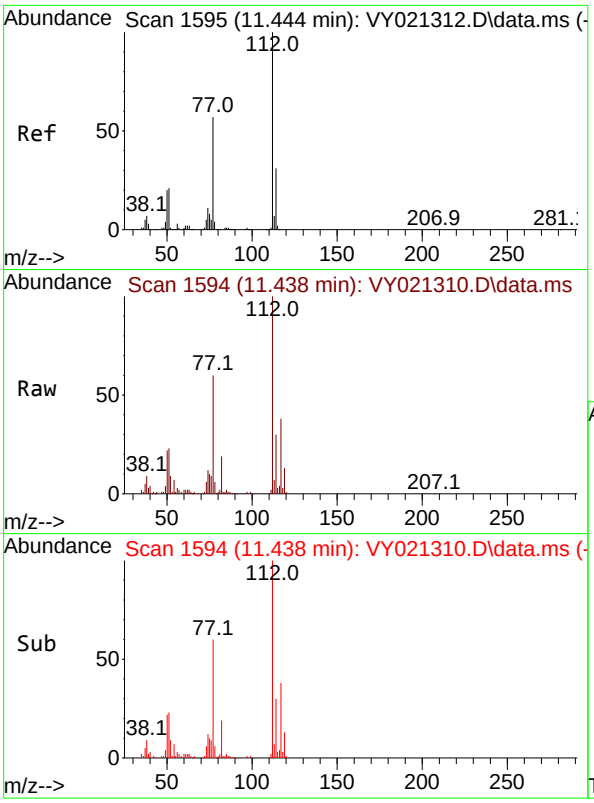



#64
Tetrachloroethene
Concen: 10.064 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:164 Resp: 19065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.3 | 101.9 | 152.9 |
| 129 | 98.3 | 75.5 | 113.3 |
| 131 | 91.8 | 72.5 | 108.7 |

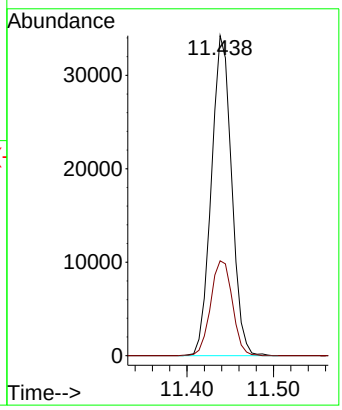





#65
Chlorobenzene
Concen: 9.899 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:112 Resp: 5568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 29.6 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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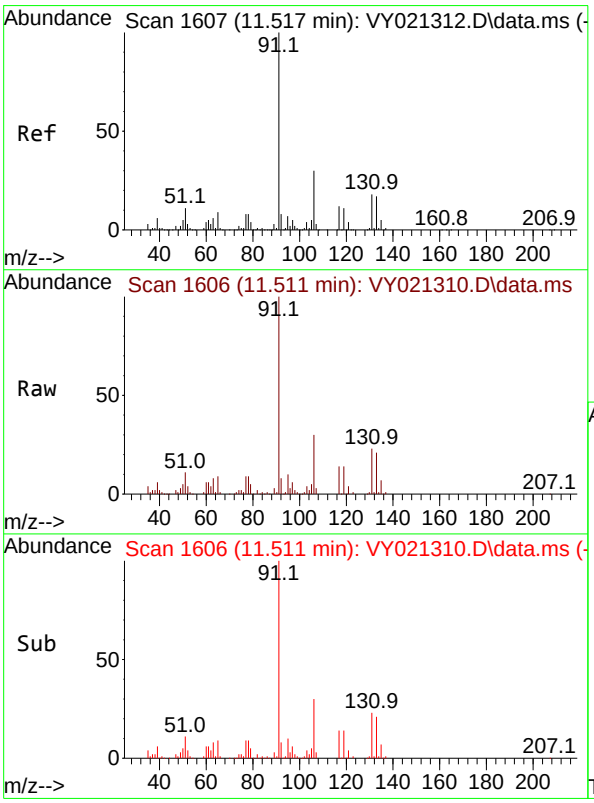
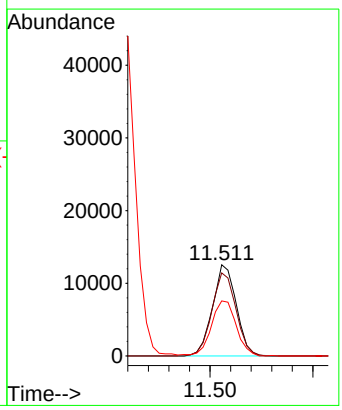
Supervised By :Mahesh Dadoda 02/26/2025

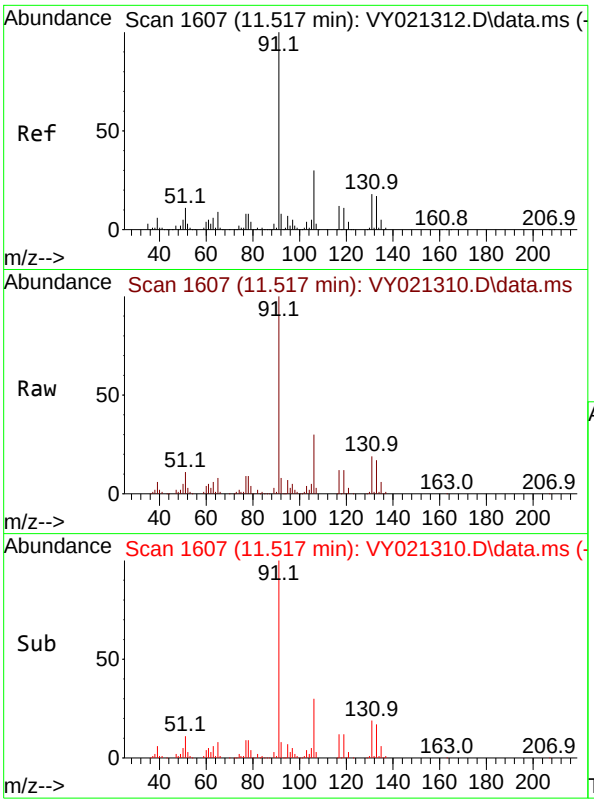



#66
1,1,1,2-Tetrachloroethane
Concen: 10.198 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:131 Resp: 20089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.0 | 47.9 | 143.6 |
| 119 | 62.8 | 31.7 | 95.1 |

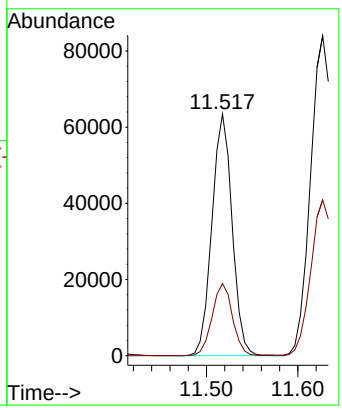





#67
Ethyl Benzene
Concen: 9.764 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 9729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.8 | 24.4 | 36.6 |




**Instrument :**
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VSTDICC010

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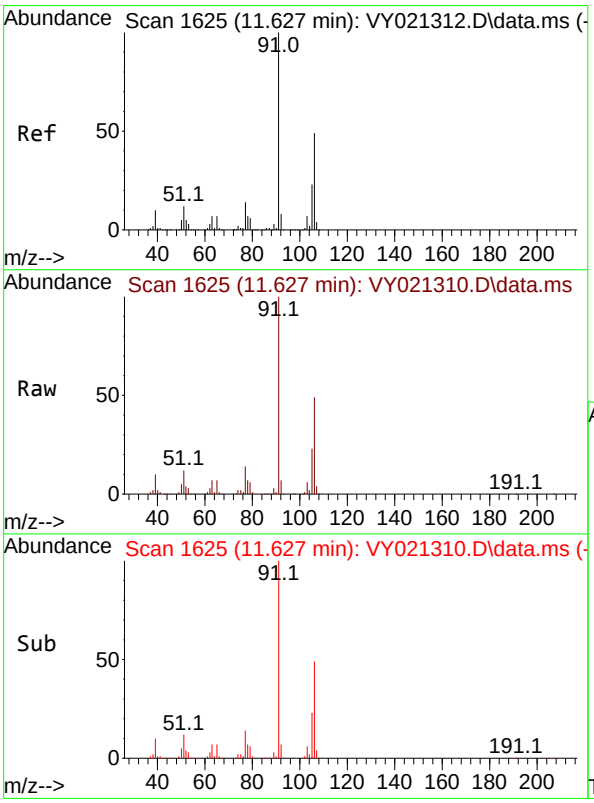
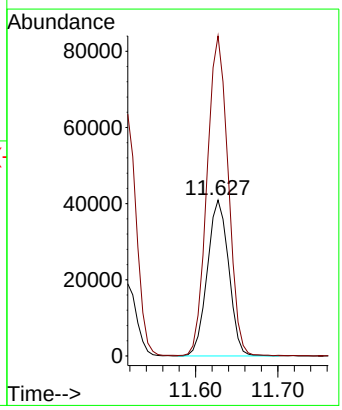
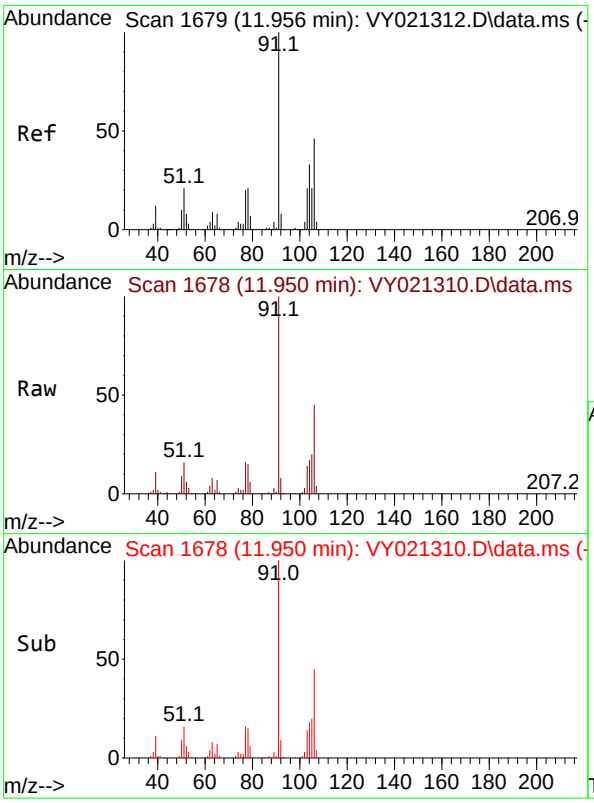



#68
m/p-Xylenes
Concen: 19.740 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 73991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.6 | 163.9 | 245.9 |






#69
o-Xylene
Concen: 9.632 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 3382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.1 | 108.1 | 324.2 |

**Instrument :**
MSVOA_Y
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VSTDICC010

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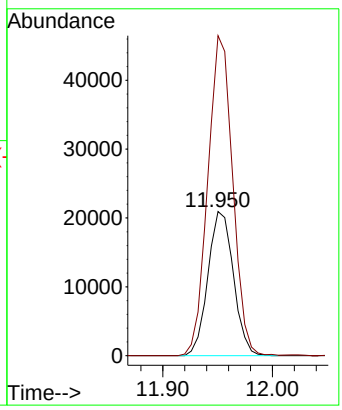
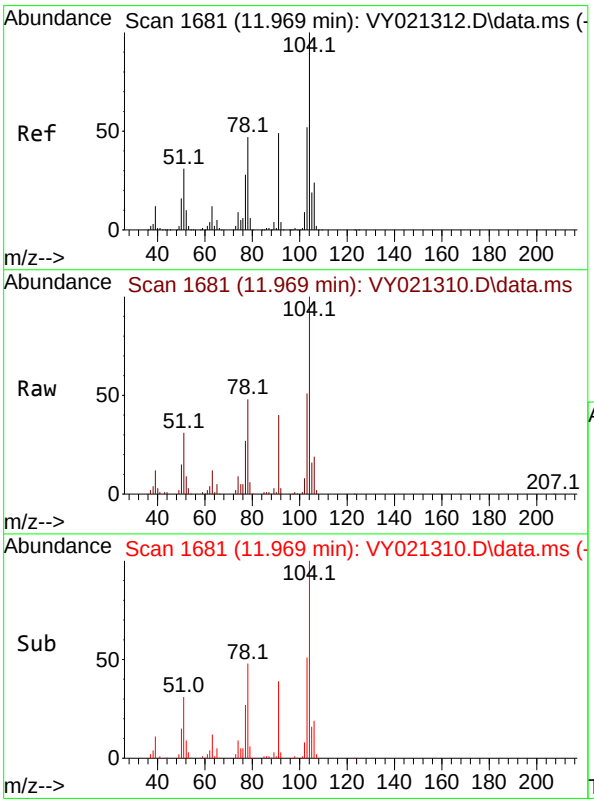
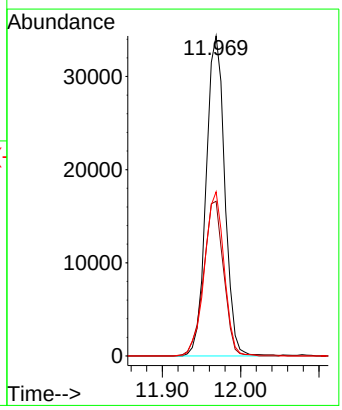


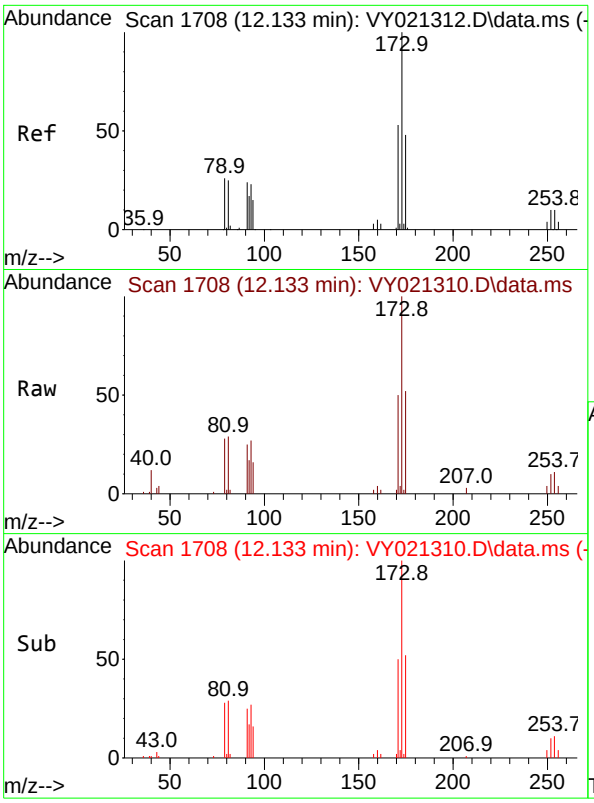




#70
Styrene
Concen: 9.679 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:104 Resp: 56550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.2 | 41.3 | 61.9 |
| 103 | 54.2 | 43.9 | 65.9 |

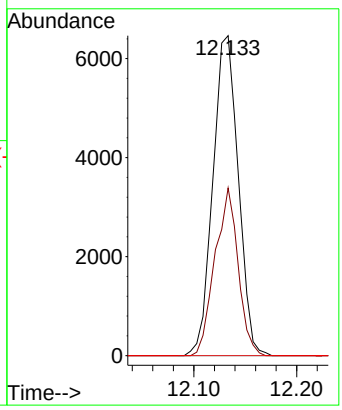





#71
Bromoform
Concen: 9.820 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:173 Resp: 1106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.9 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_Y
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VSTDICC010

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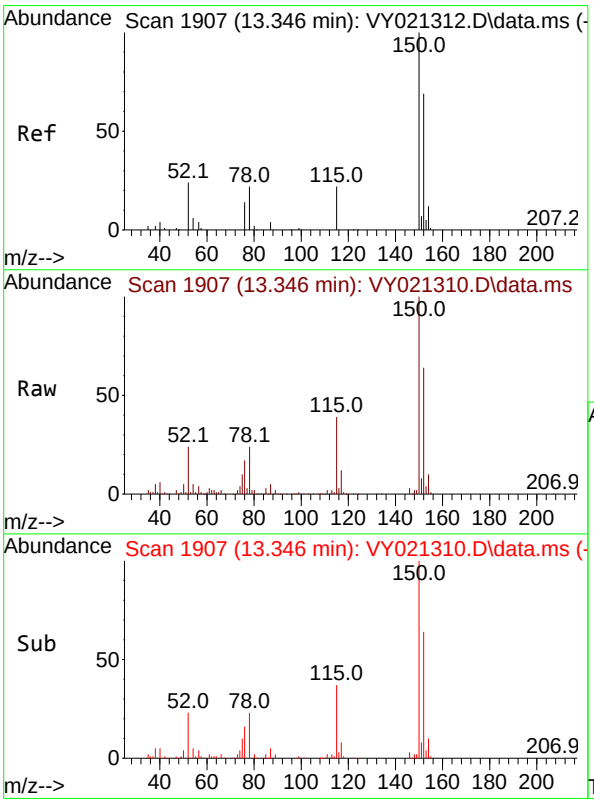
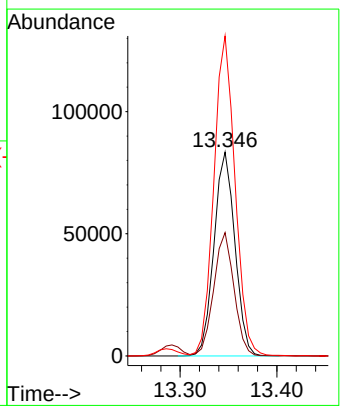
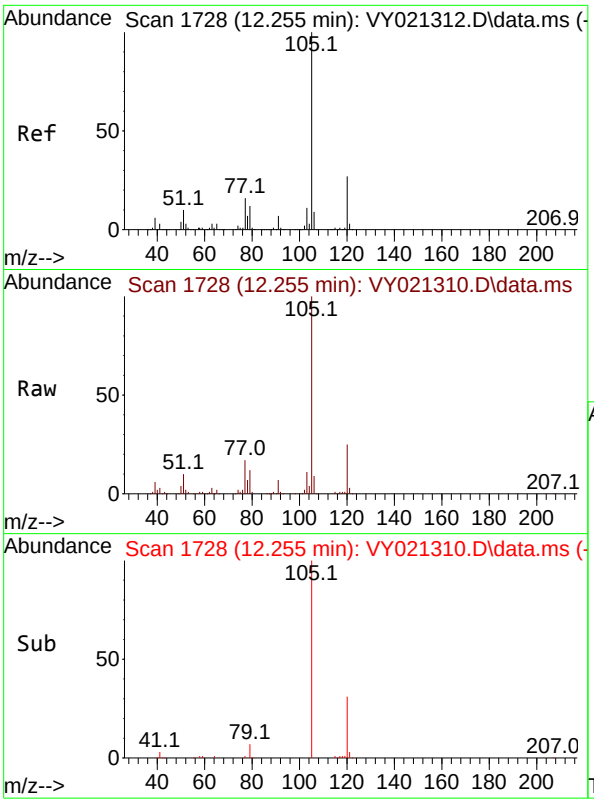



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:152 Resp: 125138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.0 | 29.3 | 88.0 |
| 150 | 159.4 | 0.0 | 347.4 |

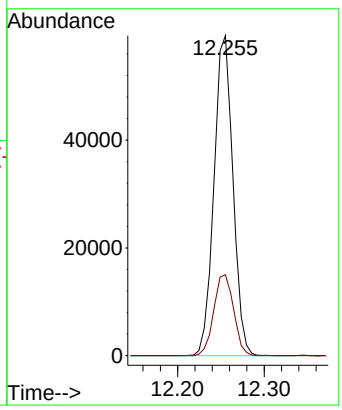





#73
Isopropylbenzene
Concen: 9.590 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 9022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.3 | 39.8 |




**Instrument :**
MSVOA_Y
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VSTDICC010

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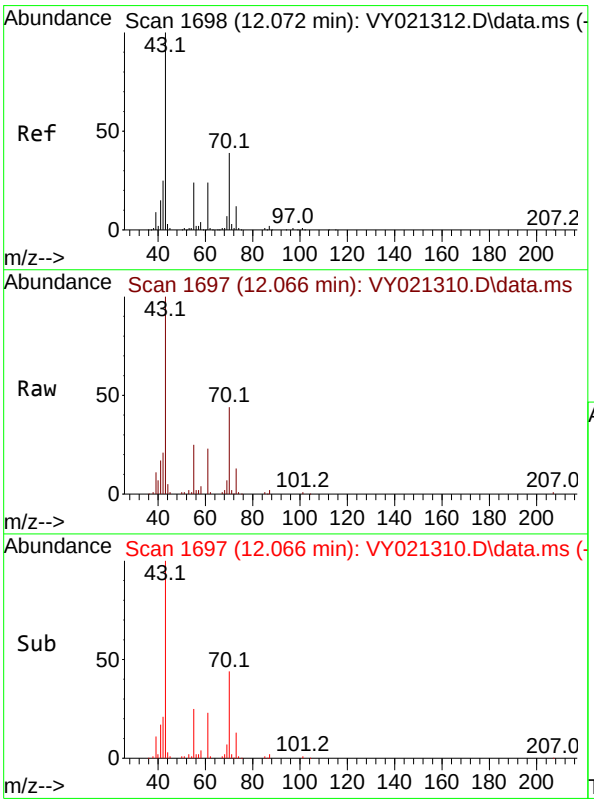
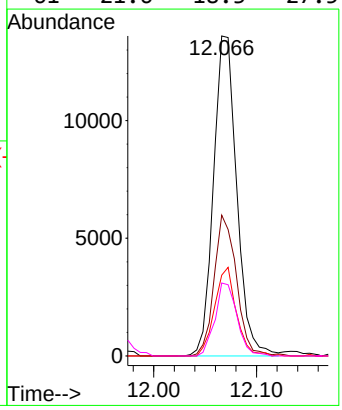
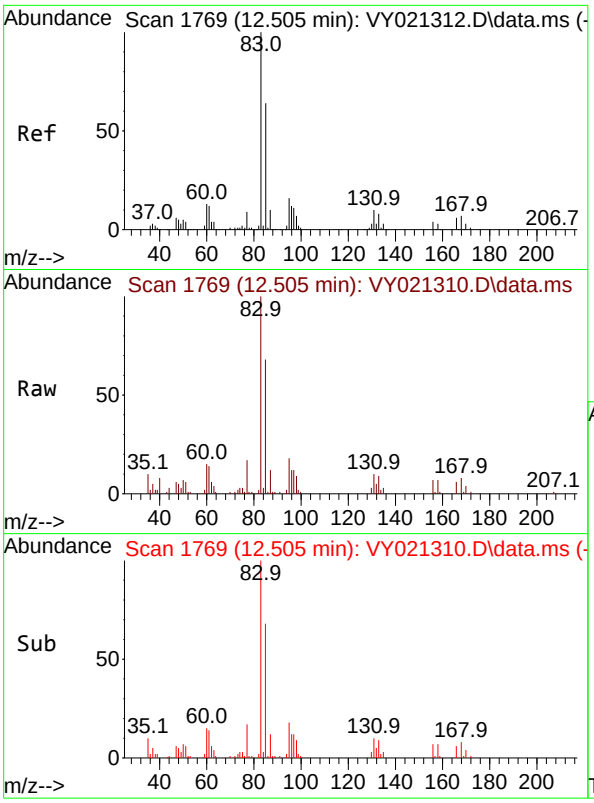



#74
N-amyl acetate
Concen: 8.937 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 21370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.4 | 32.2 | 48.2 |
| 55 | 25.9 | 19.6 | 29.4 |
| 61 | 21.6 | 18.3 | 27.5 |

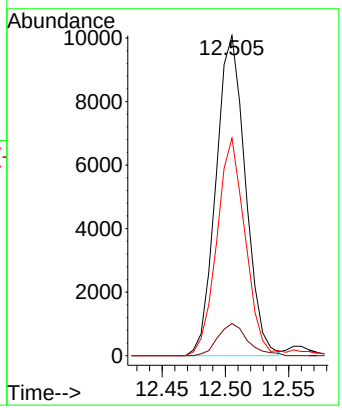





#75
1,1,2,2-Tetrachloroethane
Concen: 9.785 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 1624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.2 | 15.6 |
| 85 | 65.8 | 32.0 | 96.0 |

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MSVOA_Y
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VSTDICC010

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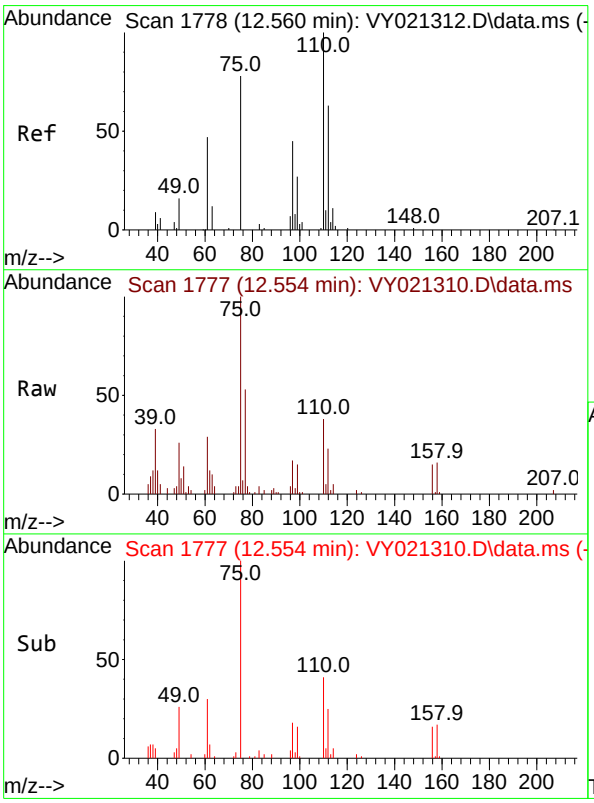
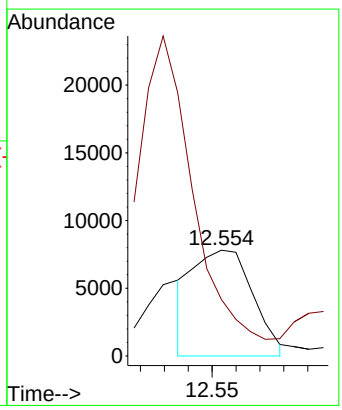
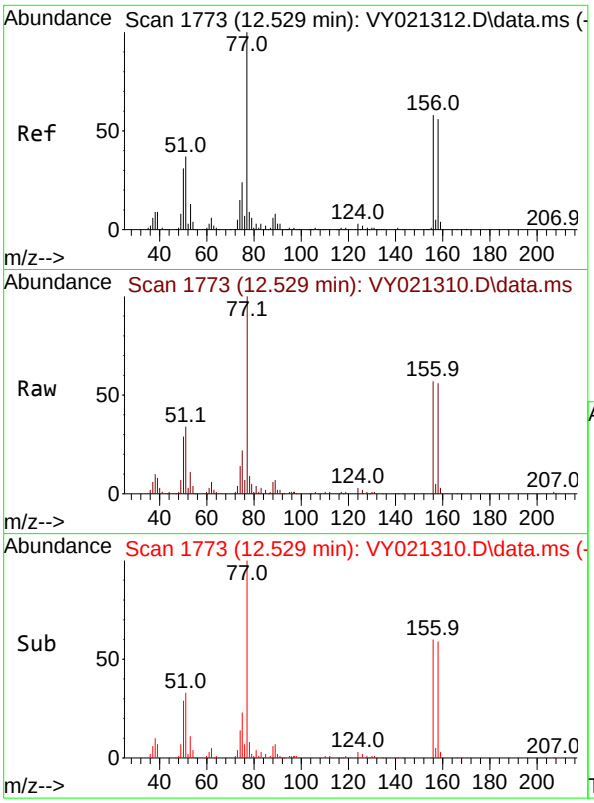



#76
1,2,3-Trichloropropane
Concen: 10.871 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 13699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |






#77
Bromobenzene
Concen: 9.641 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:156 Resp: 2109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 190.2 | 94.0 | 282.1 |
| 158 | 98.2 | 48.7 | 146.1 |

**Instrument :**
MSVOA_Y
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VSTDICC010

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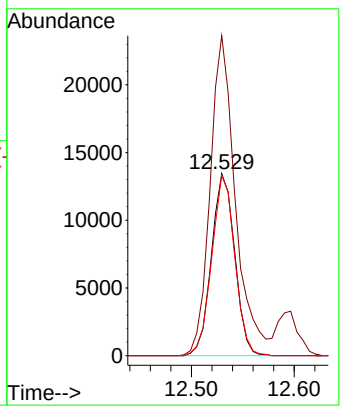
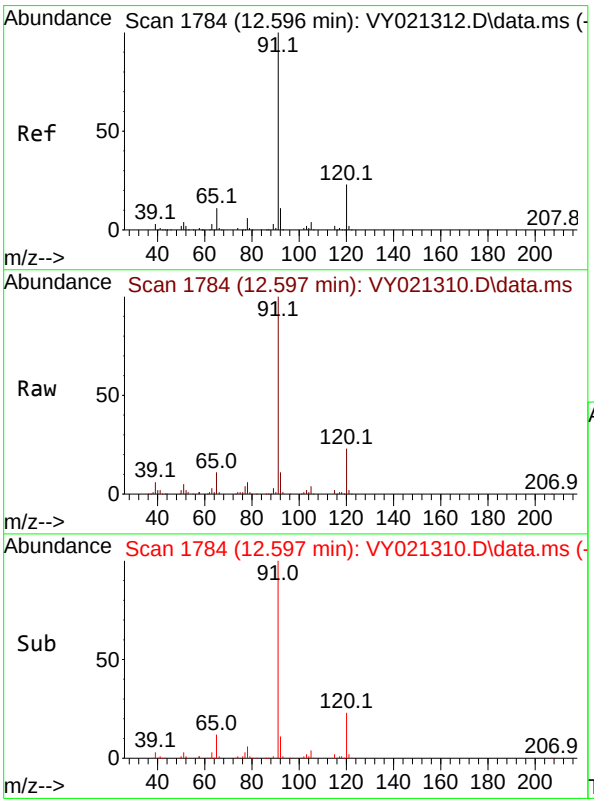
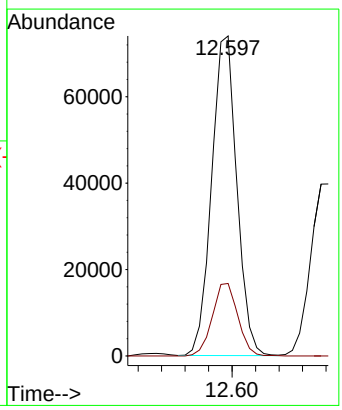


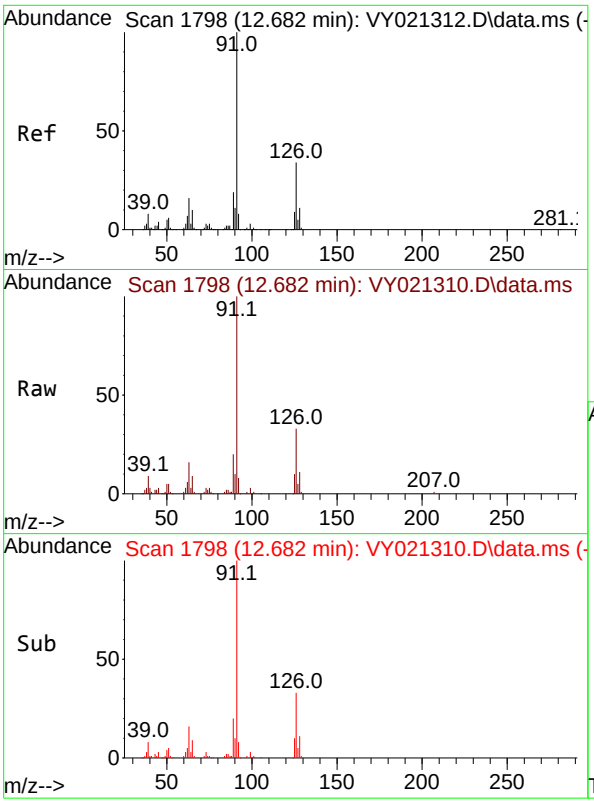




#78
n-propylbenzene
Concen: 9.652 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 110190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.2 | 33.5 |

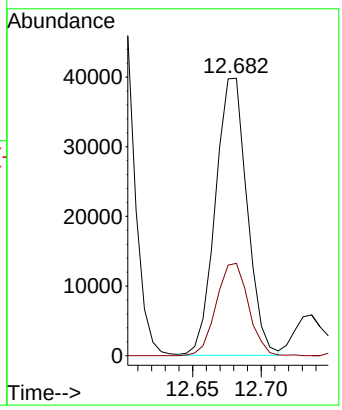





#79
2-Chlorotoluene
Concen: 9.771 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 6401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.9 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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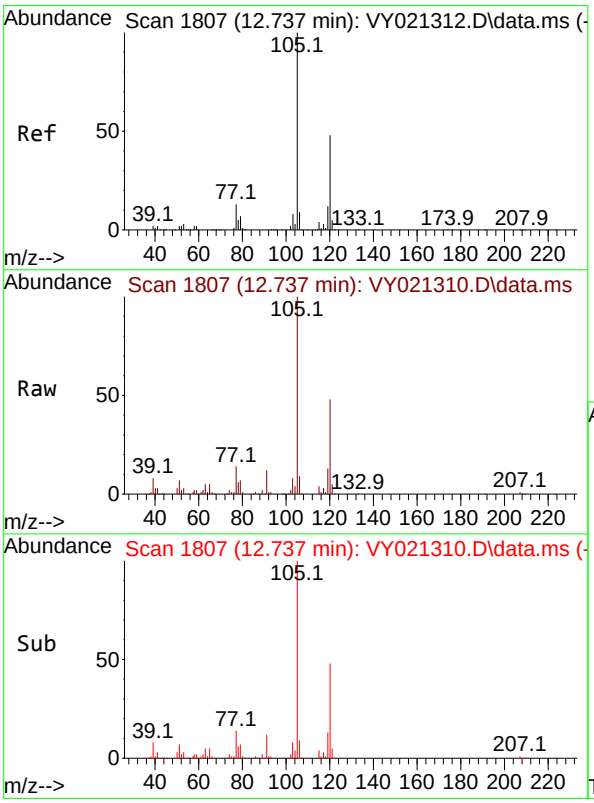
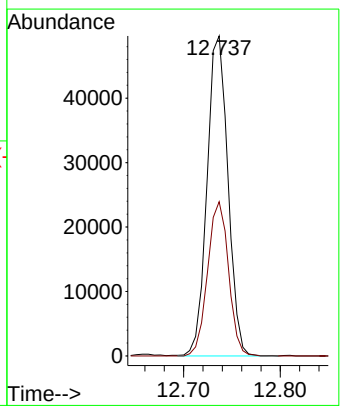
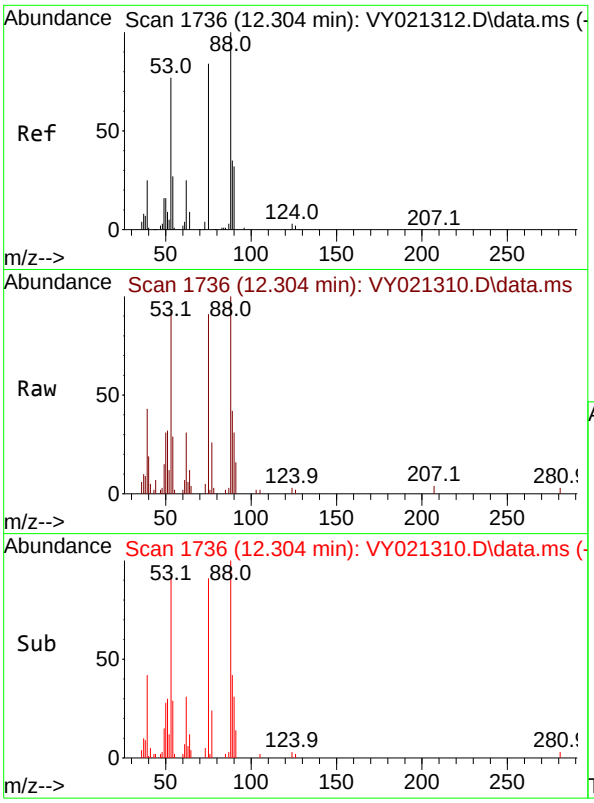



#80
1,3,5-Trimethylbenzene
Concen: 9.655 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.3 | 73.0 |

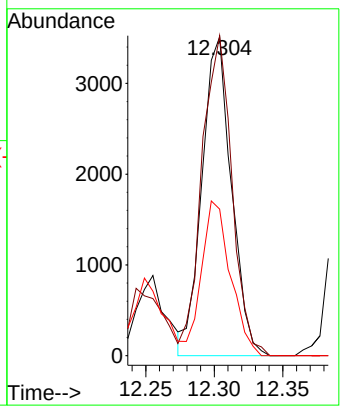





#81
trans-1,4-Dichloro-2-butene
Concen: 9.295 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 102.5 | 79.1 | 118.7 |
| 89 | 47.3 | 35.6 | 53.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

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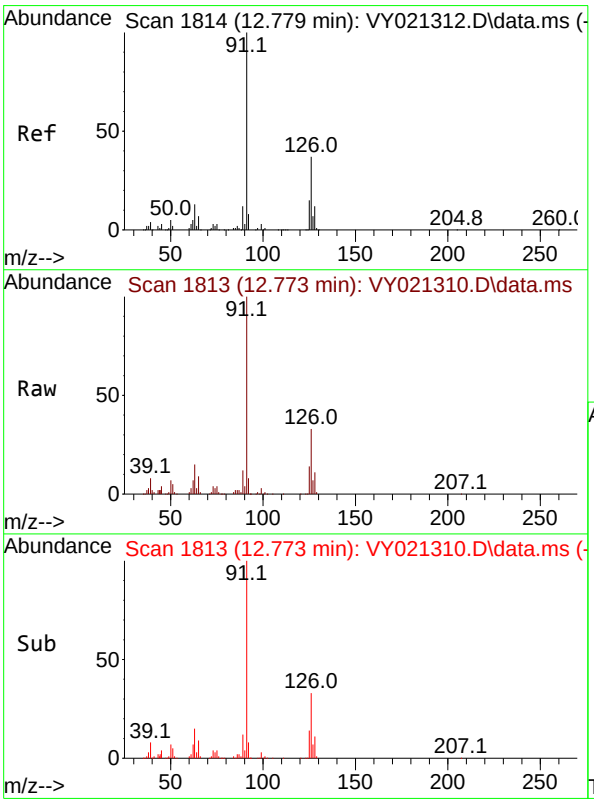
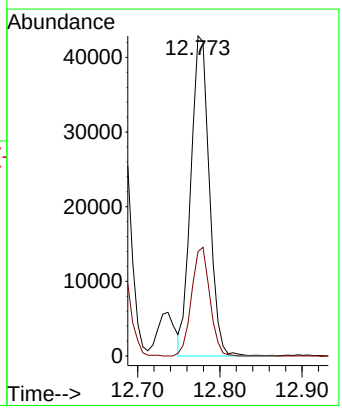
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

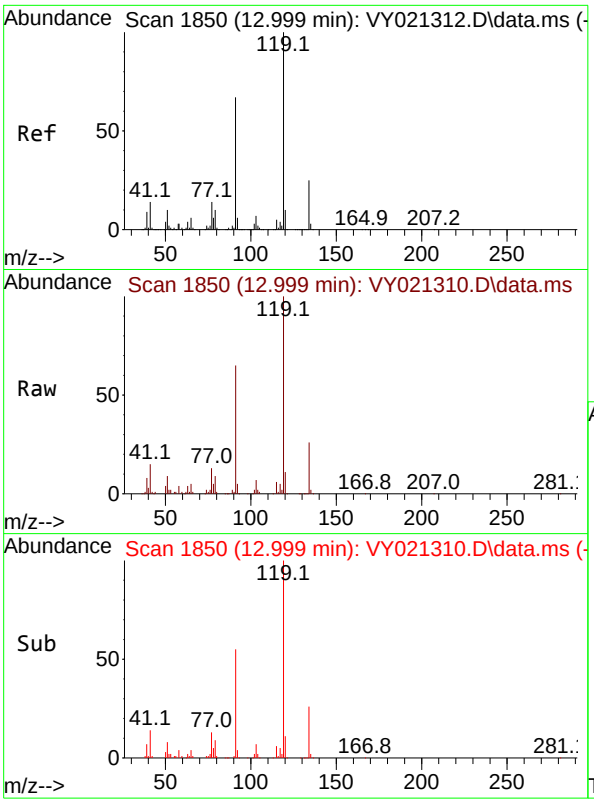



#82
4-Chlorotoluene
Concen: 9.821 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 66701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.8 | 50.4 |

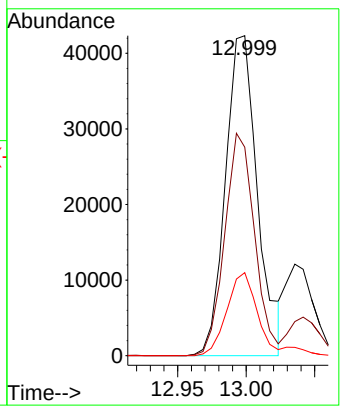





#83
tert-Butylbenzene
Concen: 9.886 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 6890

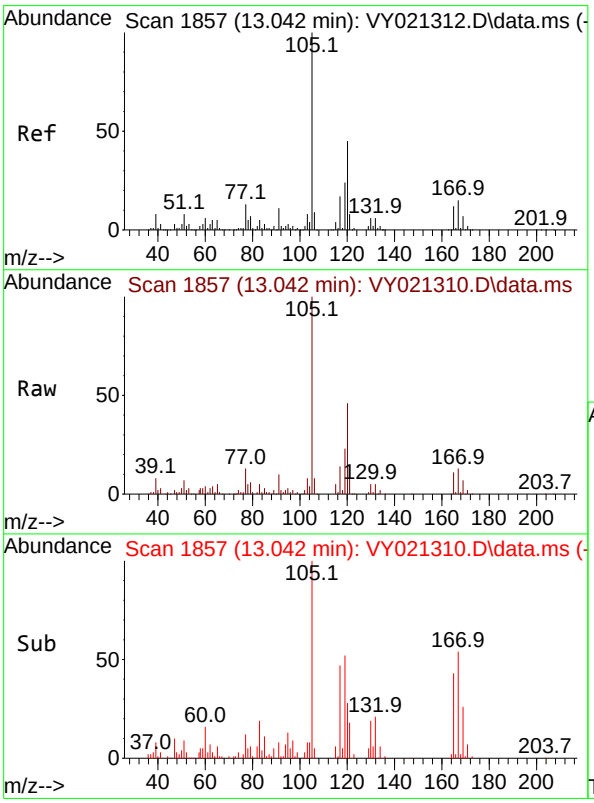
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.8 | 32.7 | 98.1 |
| 134 | 26.3 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

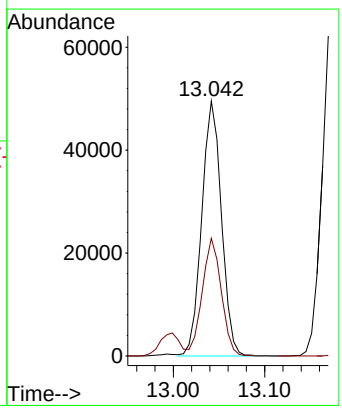
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

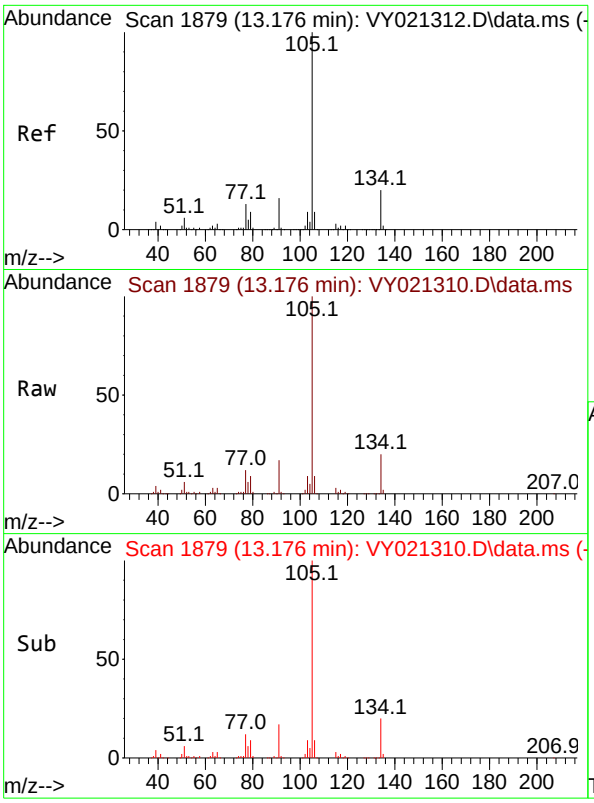



#84
1,2,4-Trimethylbenzene
Concen: 9.647 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 22.4 | 67.3 |

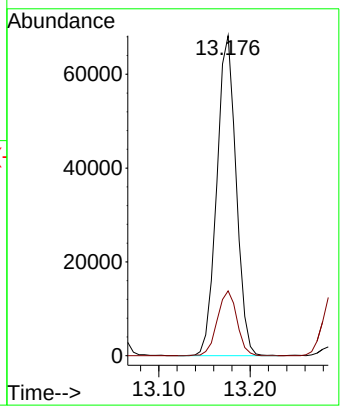





#85
sec-Butylbenzene
Concen: 9.841 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 10018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.5 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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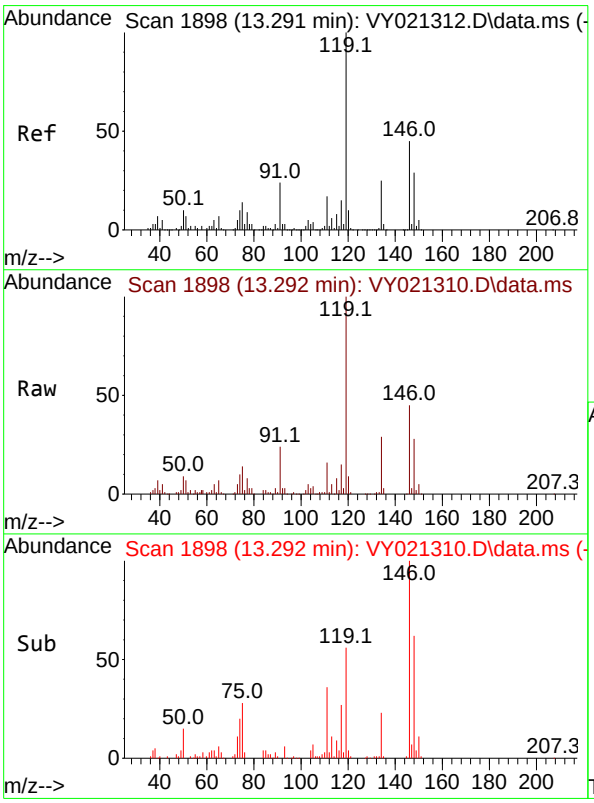
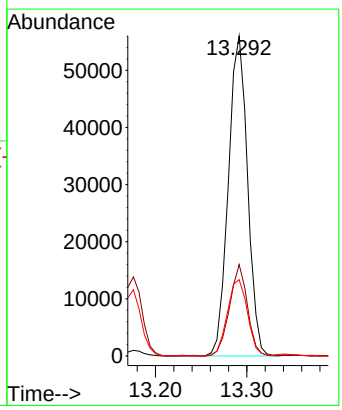
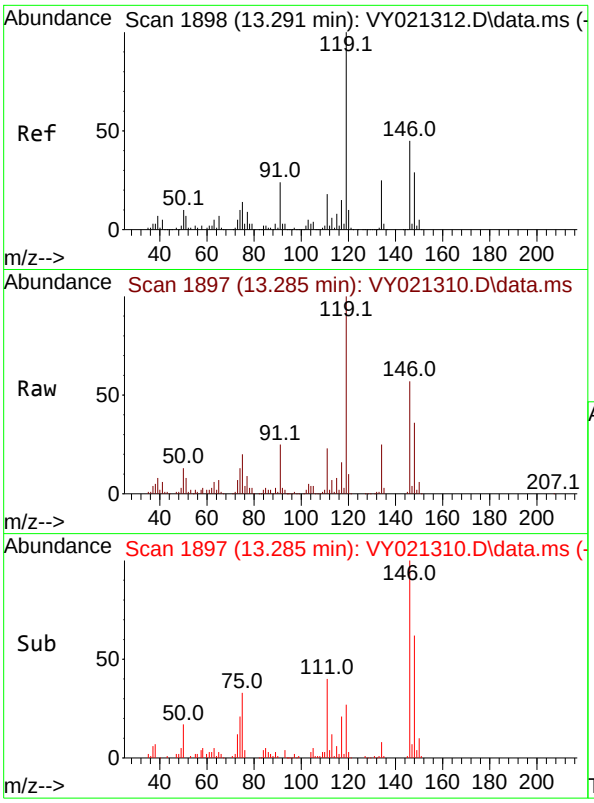



#86
p-Isopropyltoluene
Concen: 9.619 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 81769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.7 | 13.0 | 38.9 |
| 91 | 25.1 | 12.0 | 36.1 |

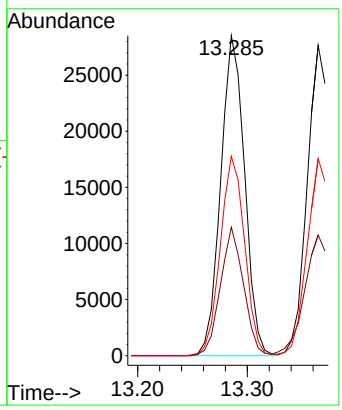





#87
1,3-Dichlorobenzene
Concen: 9.996 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 4326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 20.0 | 59.9 |
| 148 | 63.2 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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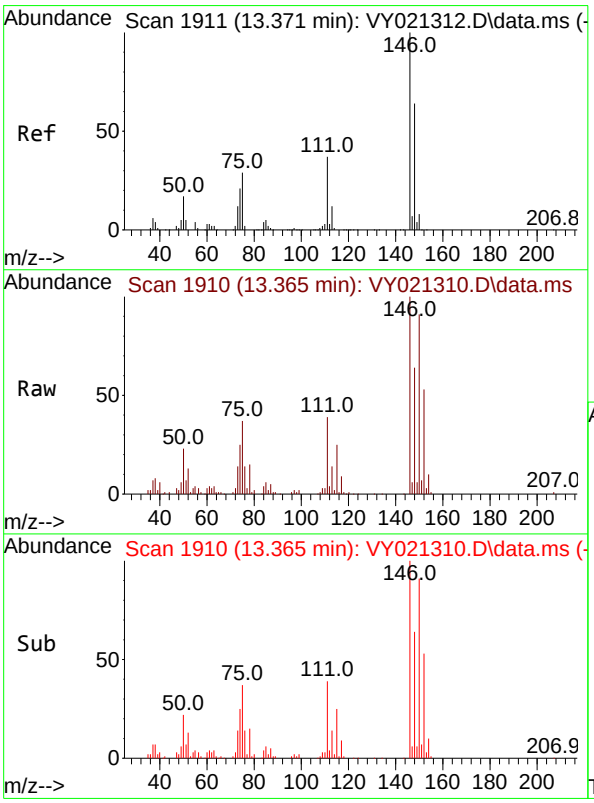
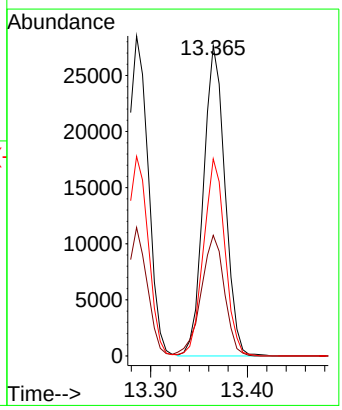
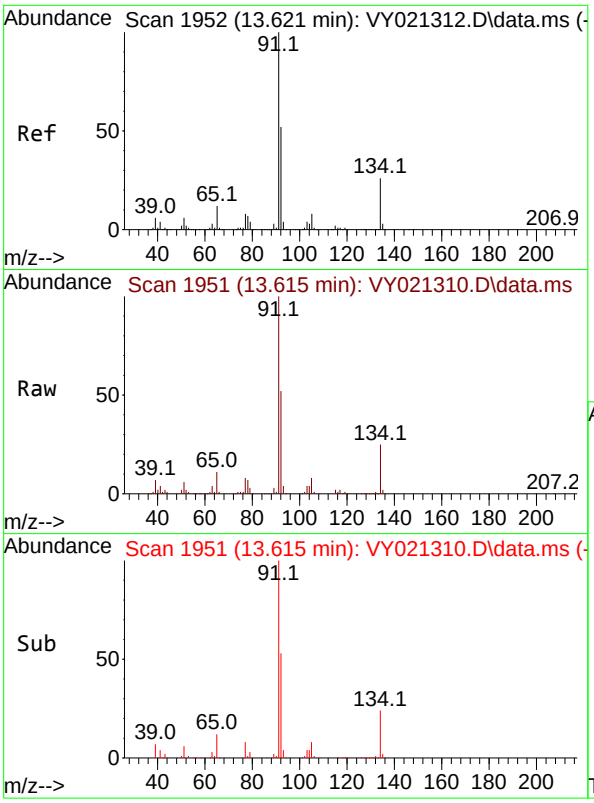



#88
1,4-Dichlorobenzene
Concen: 10.006 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 42788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 19.5 | 58.5 |
| 148 | 63.5 | 32.0 | 96.2 |

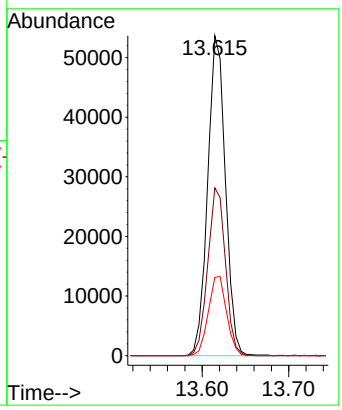





#89
n-Butylbenzene
Concen: 9.541 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 7632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.3 | 26.4 | 79.2 |
| 134 | 25.5 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations**
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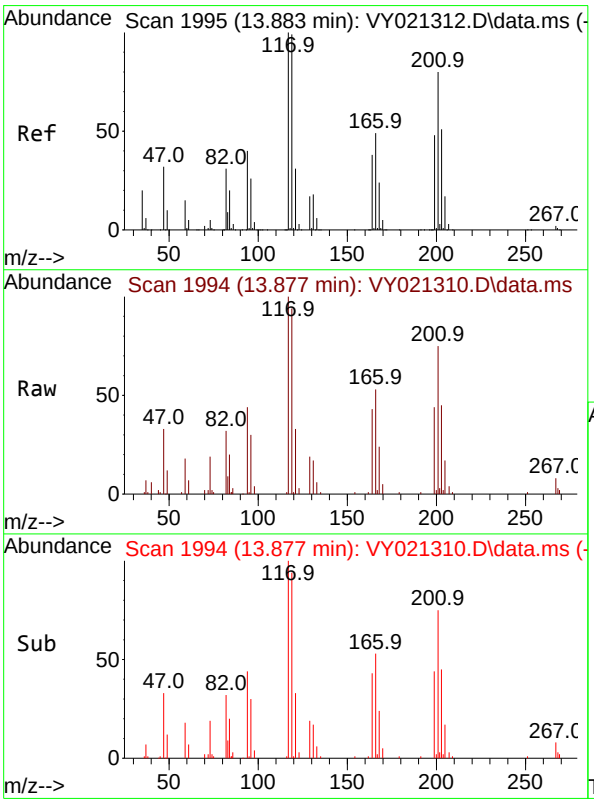
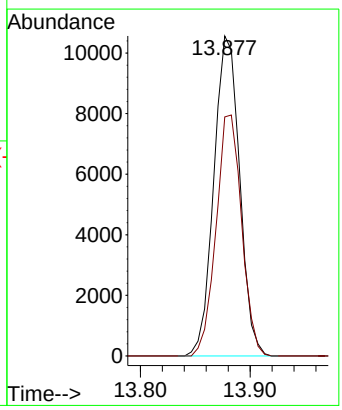
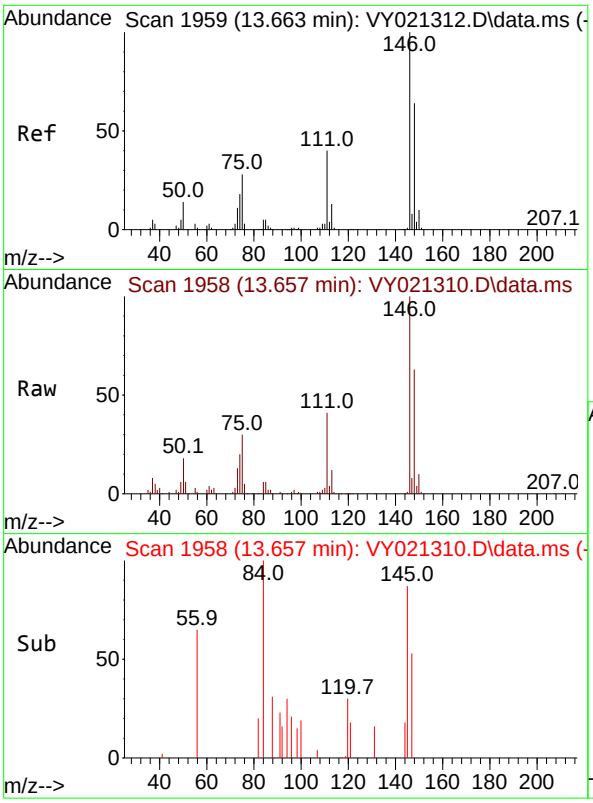



#90
Hexachloroethane
Concen: 9.721 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 17261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 74.6 | 38.4 | 115.2 |

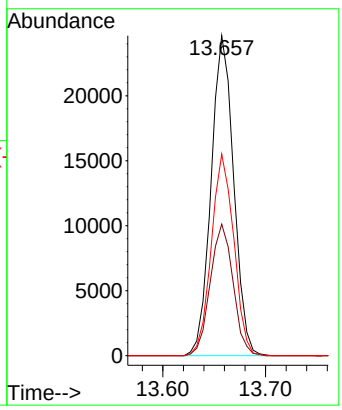





#91
1,2-Dichlorobenzene
Concen: 9.894 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 3752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 20.7 | 62.1 |
| 148 | 62.8 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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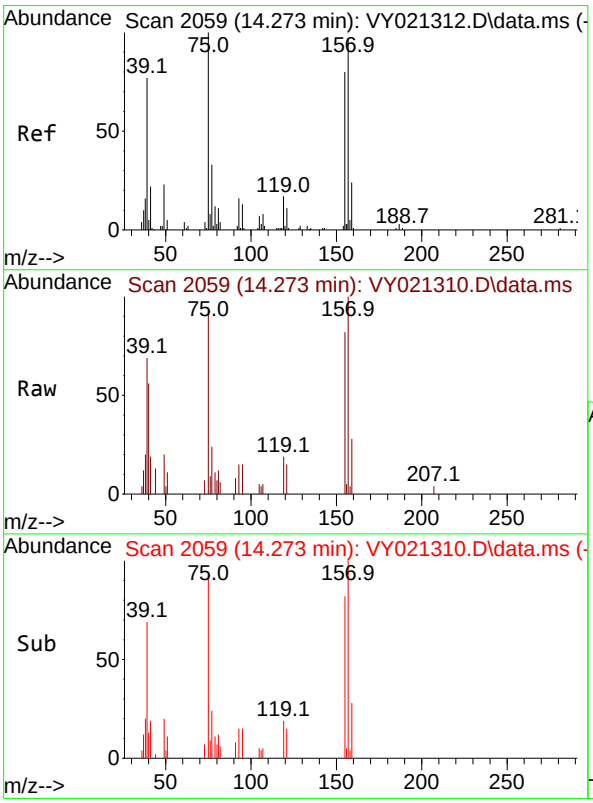
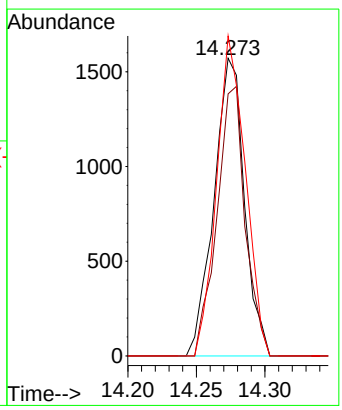
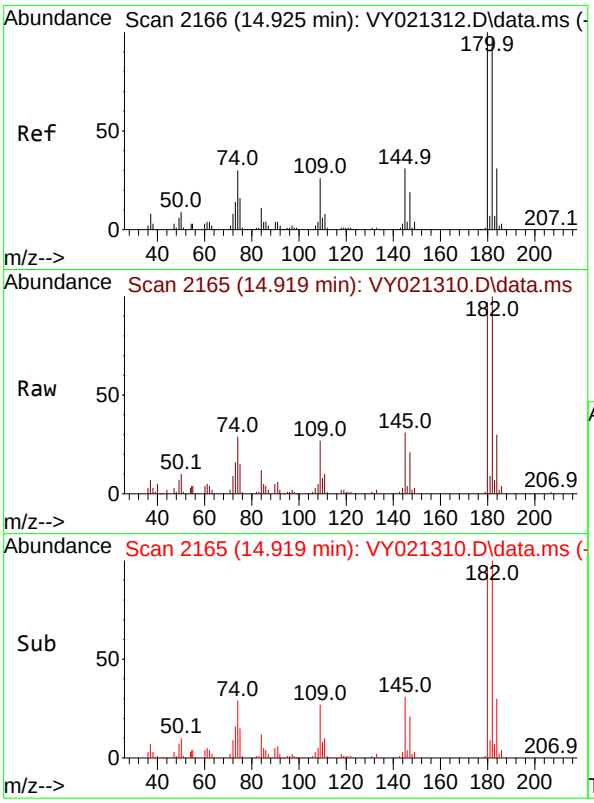



#92
1,2-Dibromo-3-Chloropropane
Concen: 9.229 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 2424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.3 | 41.9 | 125.6 |
| 157 | 101.6 | 52.5 | 157.6 |

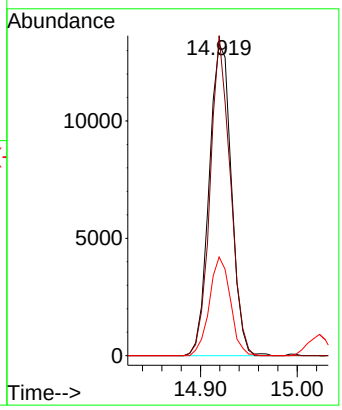





#93
1,2,4-Trichlorobenzene
Concen: 9.174 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 2123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.7 | 47.9 | 143.7 |
| 145 | 29.9 | 15.6 | 46.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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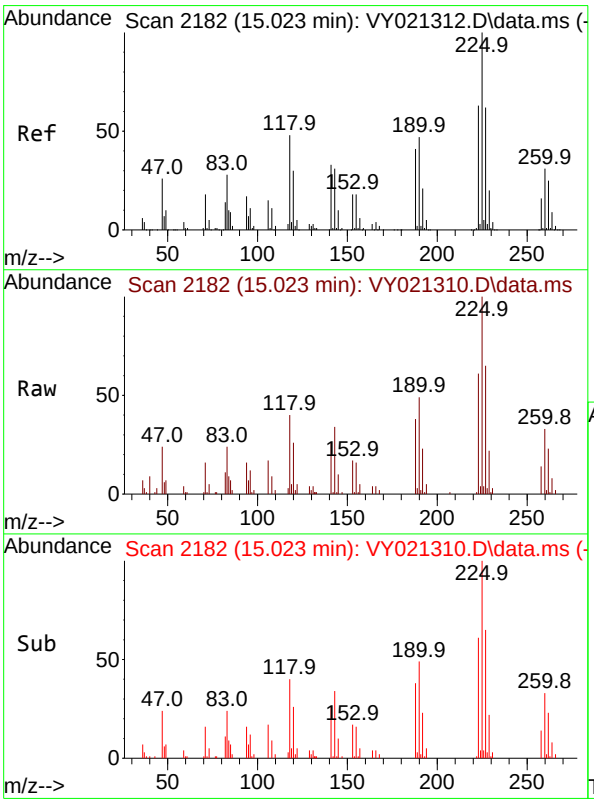
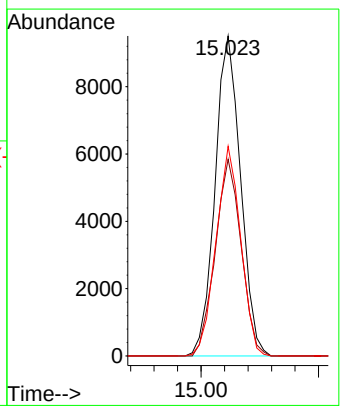
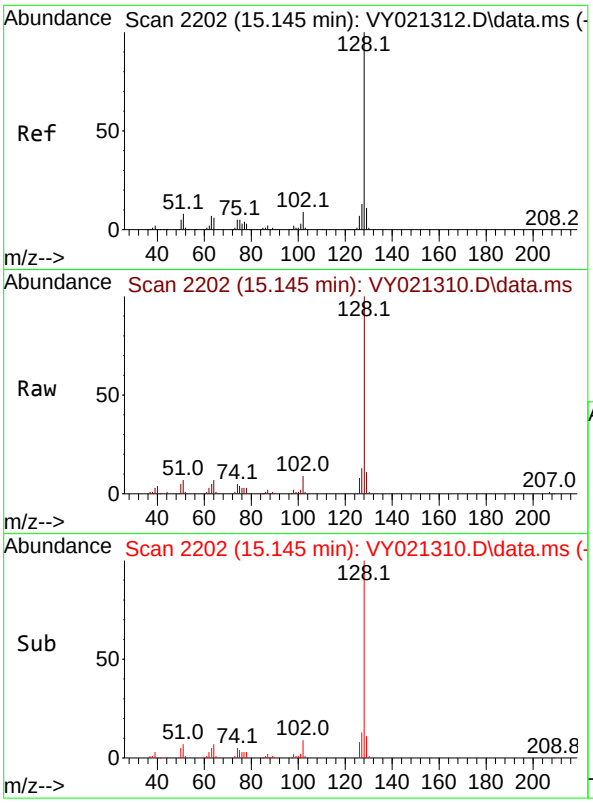



#94
Hexachlorobutadiene
Concen: 9.845 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:225 Resp: 14346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.2 | 31.8 | 95.4 |
| 227 | 63.4 | 31.9 | 95.7 |

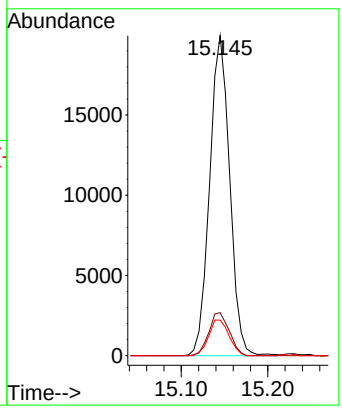





#95
Naphthalene
Concen: 8.371 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:128 Resp: 3209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.7 | 10.5 | 15.7 |
| 129 | 11.4 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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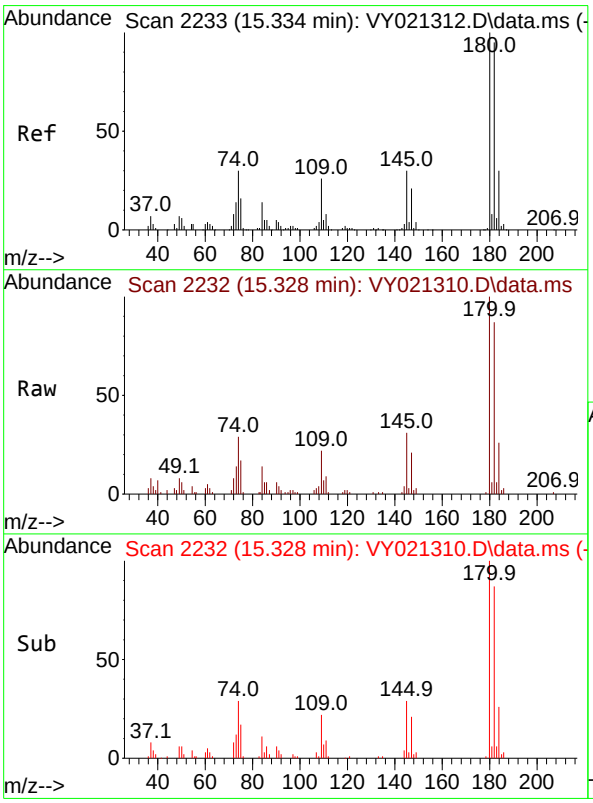
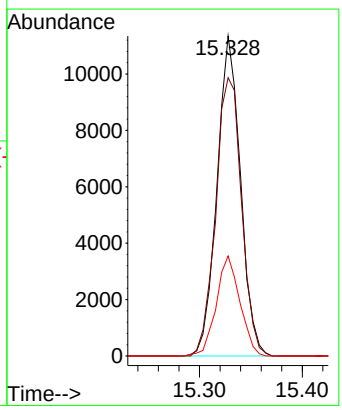



#96
1,2,3-Trichlorobenzene
Concen: 9.195 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 17983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 48.3 | 144.9 |
| 145 | 31.4 | 16.1 | 48.3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 188363 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.610 | 114 | 293434 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 258896 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152 | 130546 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 41320 | 19.337 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 38.680%# | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 37265 | 19.371 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 38.740%# | | |
| 50) Toluene-d8 | 10.103 | 98 | 144409 | 19.423 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 38.840%# | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 47417 | 18.950 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = | 37.900% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 32511 | 18.204 | ug/l | 96 |
| 3) Chloromethane | 2.068 | 50 | 42633 | 18.484 | ug/l | 97 |
| 4) Vinyl Chloride | 2.202 | 62 | 41719 | 18.429 | ug/l | 100 |
| 5) Bromomethane | 2.586 | 94 | 27198 | 18.079 | ug/l | 98 |
| 6) Chloroethane | 2.726 | 64 | 26161 | 18.635 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 63170 | 18.477 | ug/l | 95 |
| 8) Diethyl Ether | 3.452 | 74 | 19564 | 19.066 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 37017 | 18.701 | ug/l | 99 |
| 10) Methyl Iodide | 4.001 | 142 | 36945 | 17.741 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.860 | 59 | 15935 | 96.952 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 34827 | 18.376 | ug/l | 98 |
| 13) Acrolein | 3.647 | 56 | 22079 | 175.300 | ug/l | 100 |
| 14) Allyl chloride | 4.379 | 41 | 61887 | 18.417 | ug/l | 98 |
| 15) Acrylonitrile | 5.061 | 53 | 43763 | 96.460 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 35506 | 86.623 | ug/l | 96 |
| 17) Carbon Disulfide | 4.104 | 76 | 116030 | 18.437 | ug/l | 99 |
| 18) Methyl Acetate | 4.379 | 43 | 19534 | 19.500 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 95488 | 19.069 | ug/l | 97 |
| 20) Methylene Chloride | 4.616 | 84 | 40630 | 18.331 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 38218 | 18.317 | ug/l | 98 |
| 22) Diisopropyl ether | 6.019 | 45 | 132039 | 18.989 | ug/l | 97 |
| 23) Vinyl Acetate | 5.958 | 43 | 393629 | 94.730 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.909 | 63 | 72428 | 18.480 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 58941 | 95.278 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 63686 | 17.908 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.884 | 96 | 44297 | 18.592 | ug/l | 98 |
| 28) Bromochloromethane | 7.244 | 49 | 32987 | 19.022 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.256 | 42 | 39775 | 98.365 | ug/l | 98 |
| 30) Chloroform | 7.421 | 83 | 73639 | 18.543 | ug/l | 96 |
| 31) Cyclohexane | 7.701 | 56 | 68531 | 18.191 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 67011 | 18.538 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 53995 | 18.685 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 27188 | 18.914 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 59733 | 18.387 | ug/l | 98 |
| 39) Methylcyclohexane | 9.103 | 83 | 68516 | 18.746 | ug/l | 98 |
| 40) Benzene | 8.079 | 78 | 159536 | 18.676 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.220 | 41 | 14108 | 17.554 | ug/l | | 92 |
| 42) 1,2-Dichloroethane | 8.152 | 62 | 46152 | 19.043 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 54484 | 19.583 | ug/l | | 98 |
| 44) Trichloroethene | 8.866 | 130 | 40005 | 18.706 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 38611 | 18.782 | ug/l | | 100 |
| 46) Dibromomethane | 9.231 | 93 | 21421 | 19.063 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 56033 | 18.701 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.219 | 41 | 24461 | 18.801 | ug/l | | 97 |
| 49) 1,4-Dioxane | 9.225 | 88 | 5308 | 424.825 | ug/l | | 90 |
| 51) 4-Methyl-2-Pentanone | 10.000 | 43 | 140187 | 98.430 | ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 100050 | 18.854 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 50957 | 18.563 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 61967 | 19.122 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.567 | 97 | 27942 | 19.088 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.438 | 69 | 36997 | 18.291 | ug/l | | 95 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 49499 | 19.270 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 93377 | 96.179 | ug/l | | 100 |
| 59) 2-Hexanone | 10.762 | 43 | 90882 | 97.163 | ug/l | | 100 |
| 60) Dibromochloromethane | 10.908 | 129 | 37808 | 18.964 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.012 | 107 | 26519 | 19.135 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.646 | 164 | 36387 | 18.595 | ug/l | | 97 |
| 65) Chlorobenzene | 11.438 | 112 | 107621 | 18.519 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131 | 37487 | 18.422 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.518 | 91 | 189052 | 18.366 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.627 | 106 | 144073 | 37.210 | ug/l | | 99 |
| 69) o-Xylene | 11.950 | 106 | 67060 | 18.488 | ug/l | | 100 |
| 70) Styrene | 11.969 | 104 | 113033 | 18.729 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 21886 | 18.800 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 179489 | 18.288 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 47224 | 18.930 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 32419 | 18.717 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 23402m | 17.801 | ug/l | | |
| 77) Bromobenzene | 12.530 | 156 | 42078 | 18.433 | ug/l | | 99 |
| 78) n-propylbenzene | 12.597 | 91 | 220158 | 18.486 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.676 | 91 | 125969 | 18.430 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 150004 | 18.635 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 10866 | 18.483 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 12.780 | 91 | 130335 | 18.396 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 135829 | 18.681 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 149358 | 18.657 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 196335 | 18.486 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 165127 | 18.620 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.286 | 146 | 83463 | 18.483 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 83179 | 18.646 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.615 | 91 | 153032 | 18.337 | ug/l | | 100 |
| 90) Hexachloroethane | 13.877 | 117 | 33341 | 17.998 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 73513 | 18.581 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 5181 | 18.908 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 42908 | 17.770 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 27015 | 17.771 | ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 71044 | 17.763 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 36460 | 17.871 | ug/l | | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

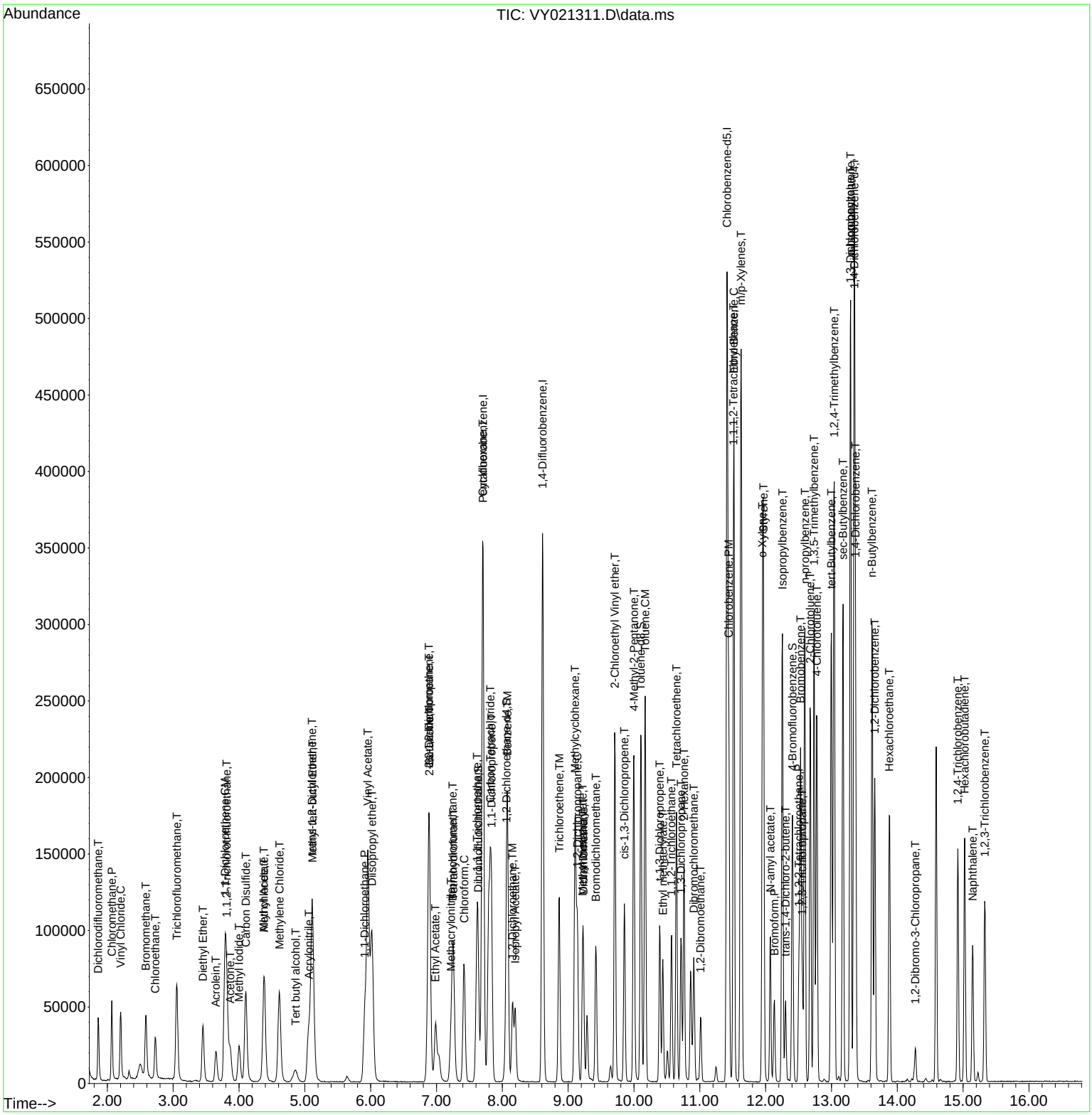
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

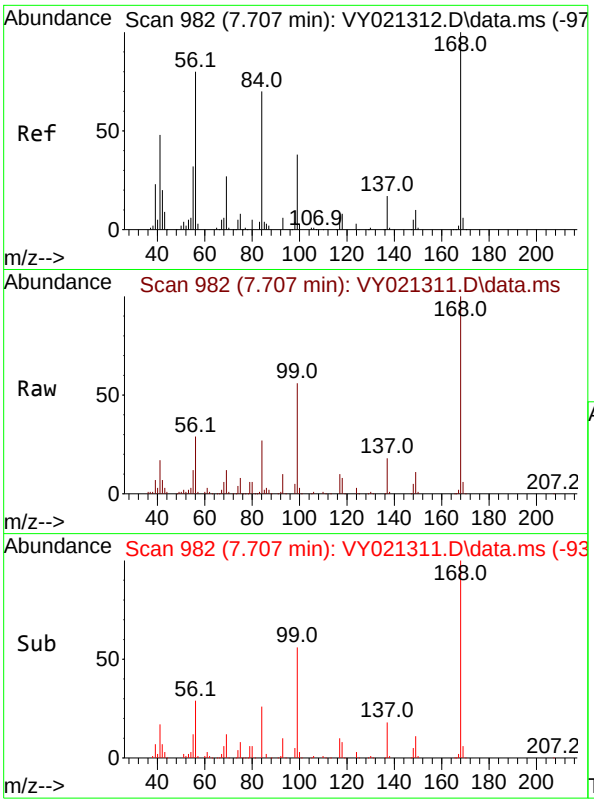
Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

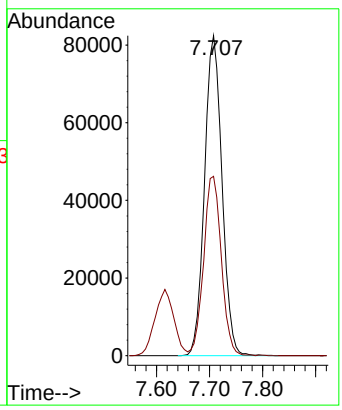





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:168 Resp: 18836

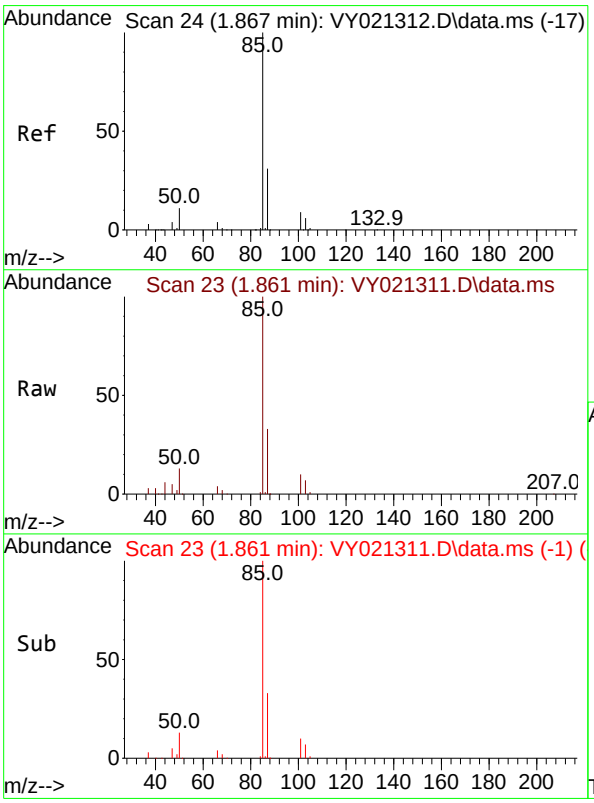
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.0 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

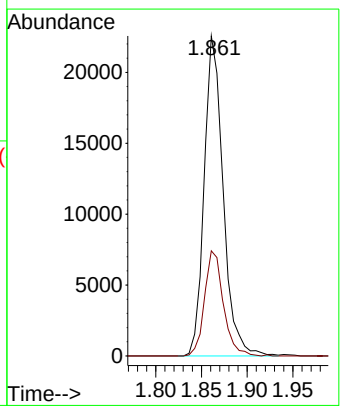
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

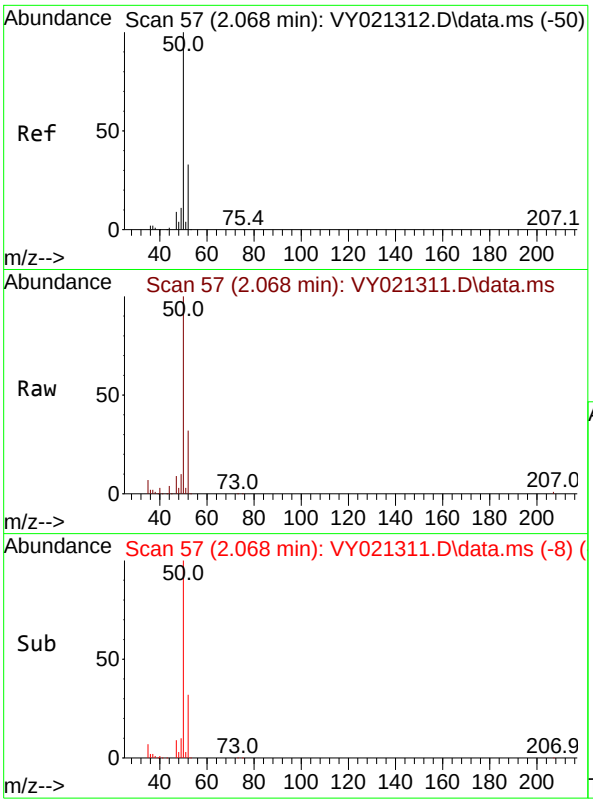



#2
Dichlorodifluoromethane
Concen: 18.204 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 85 Resp: 32511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 15.4 | 46.4 |

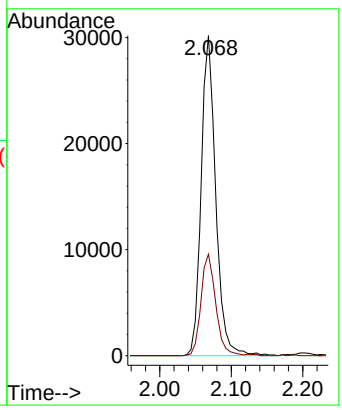





#3
Chloromethane
Concen: 18.484 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 50 Resp: 4263

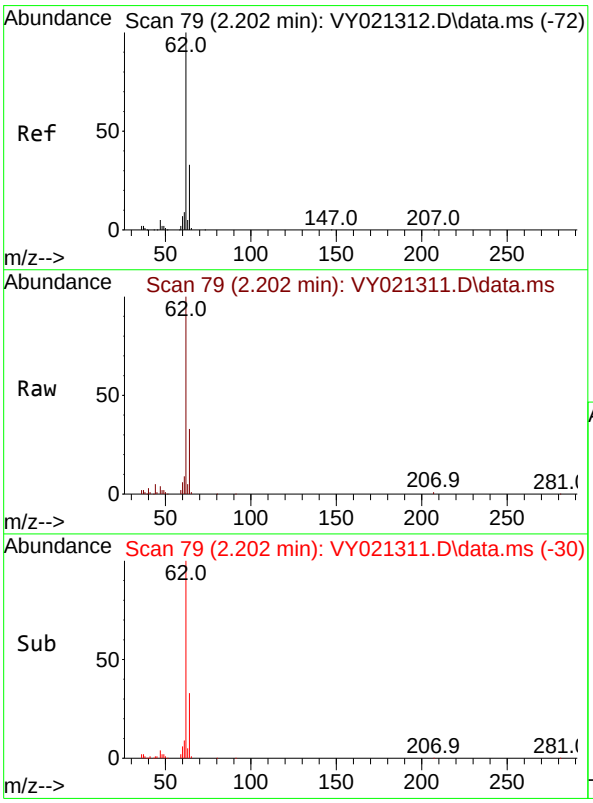
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.7 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

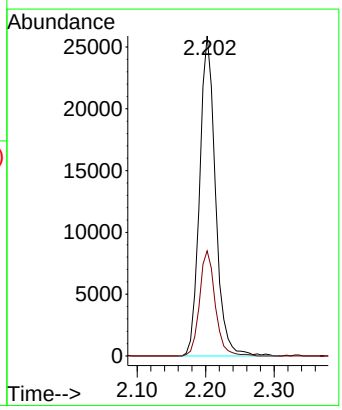
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

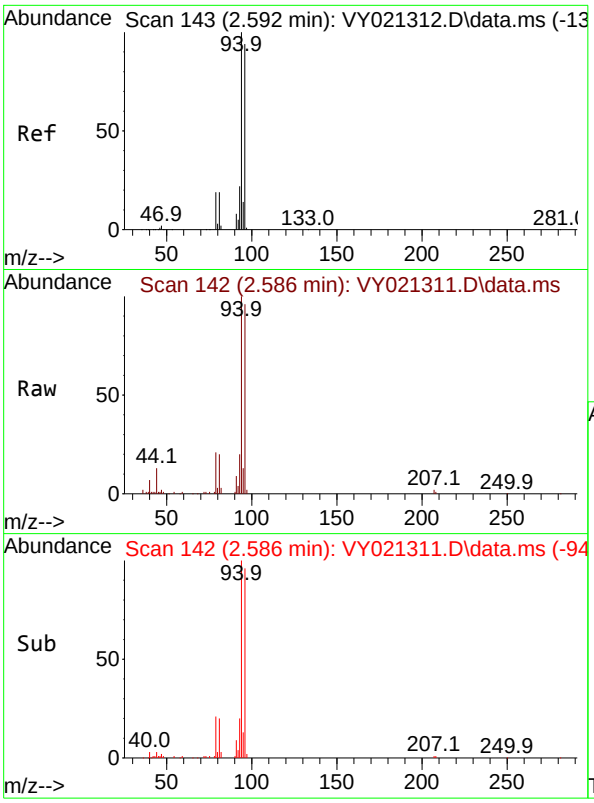



#4
Vinyl Chloride
Concen: 18.429 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 41719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.8 | 26.3 | 39.5 |

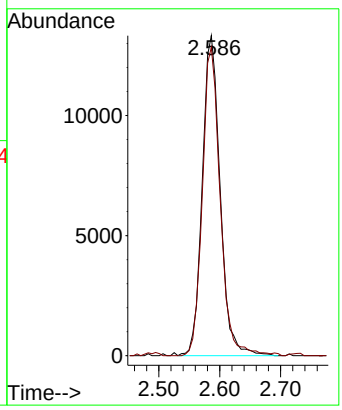





#5
Bromomethane
Concen: 18.079 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 94 Resp: 2719

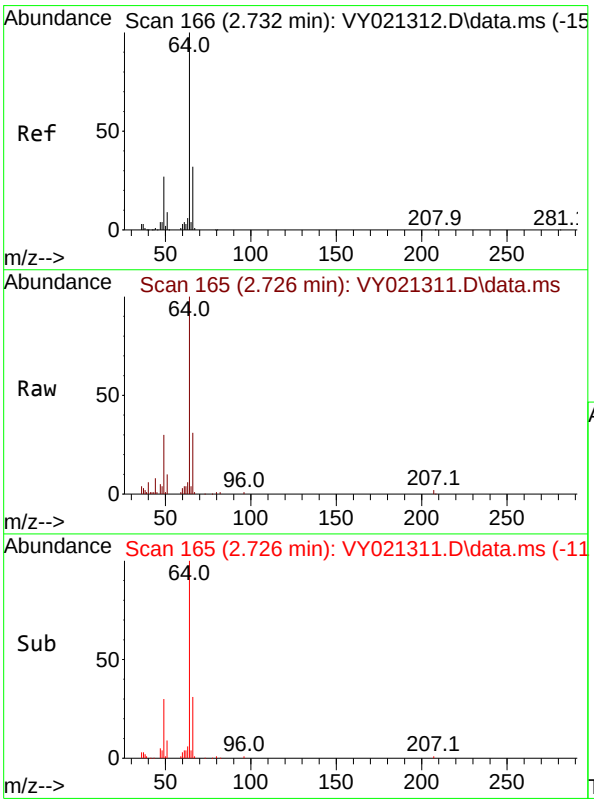
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.3 | 75.2 | 112.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

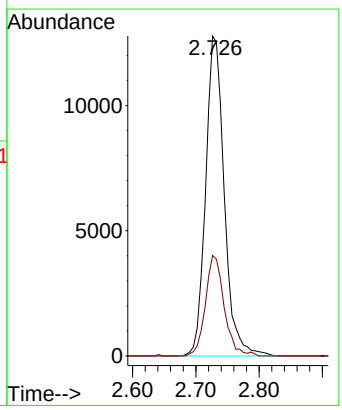
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

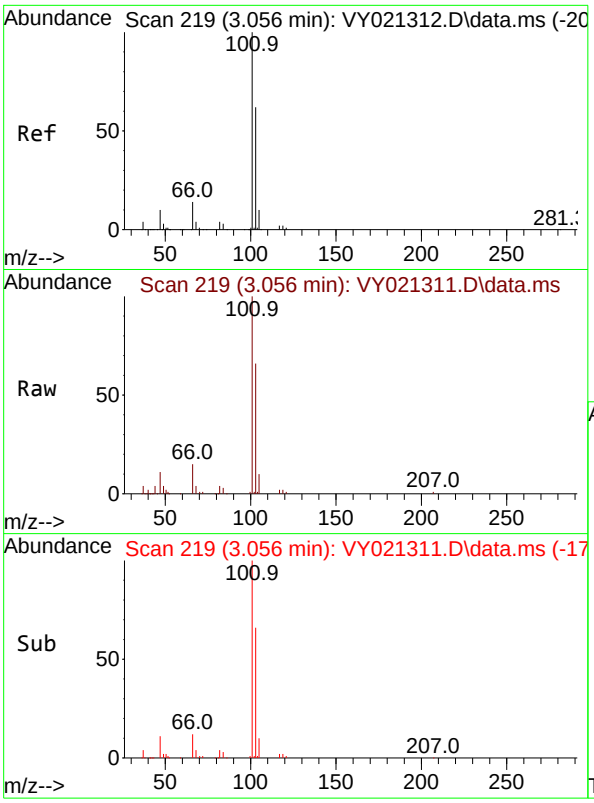



#6
Chloroethane
Concen: 18.635 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 64 Resp: 26161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.4 | 25.4 | 38.0 |

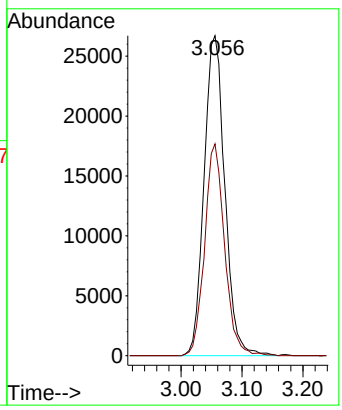





#7
Trichlorofluoromethane
Concen: 18.477 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:101 Resp: 6317

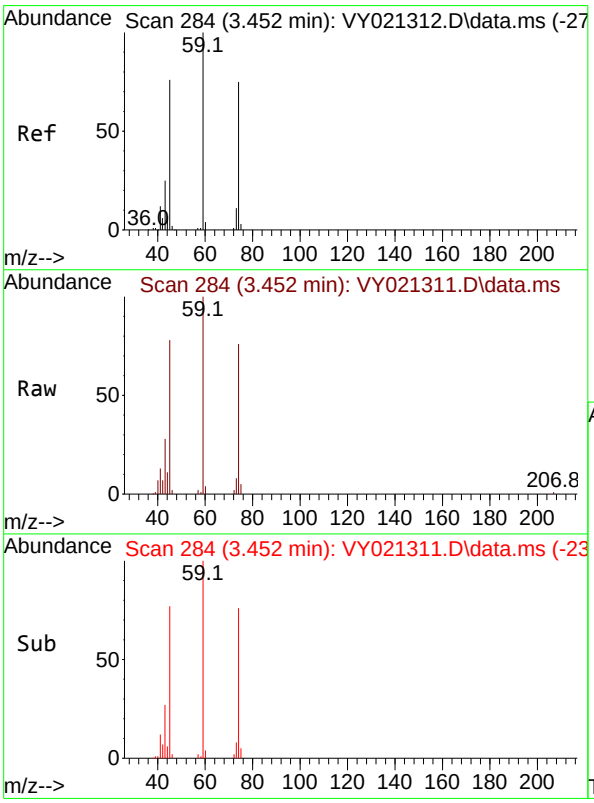
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.2 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

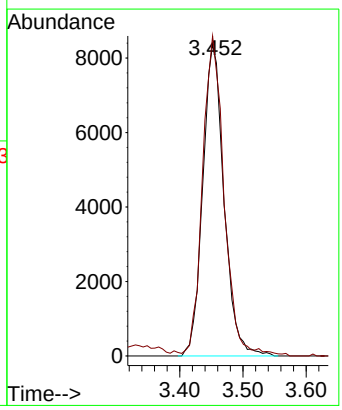
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

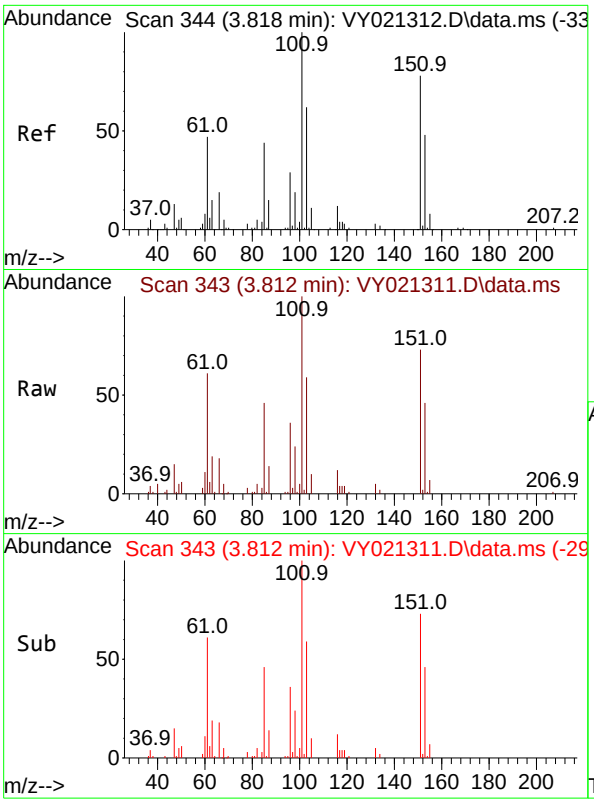



#8
Diethyl Ether
Concen: 19.066 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 74 Resp: 19564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.3 | 50.3 | 150.9 |

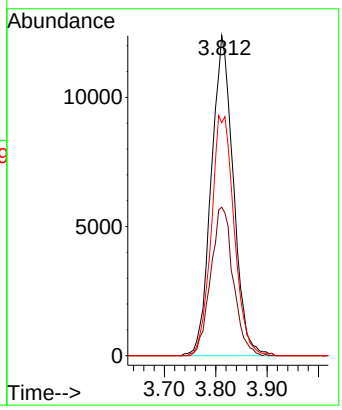





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.701 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:101 Resp: 3701

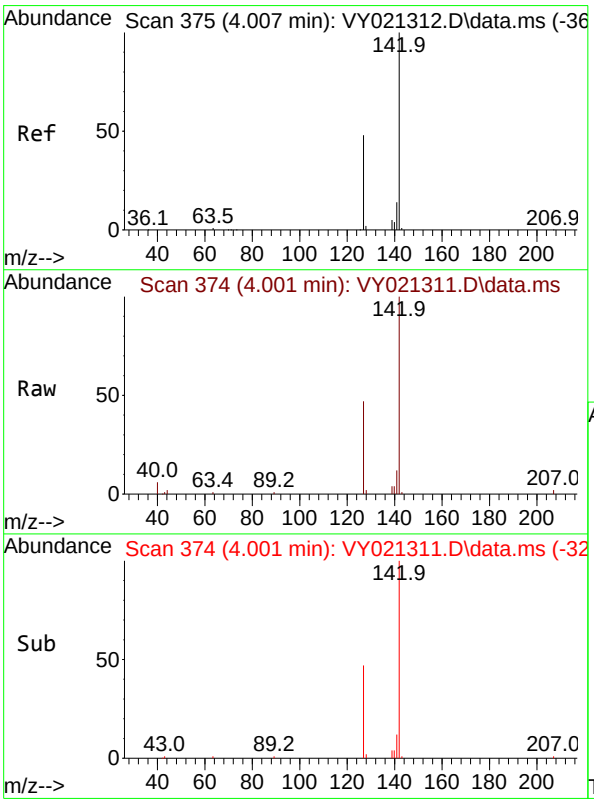
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.3 | 36.7 | 55.1 |
| 151 | 77.8 | 62.6 | 94.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

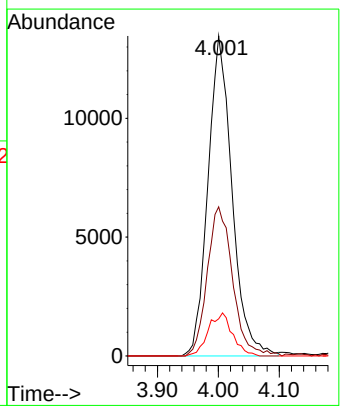
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

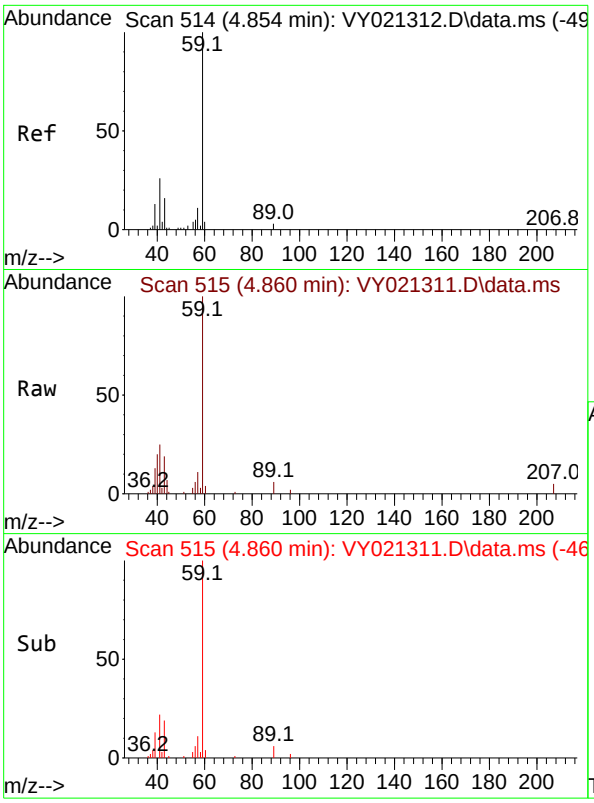



#10
Methyl Iodide
Concen: 17.741 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:142 Resp: 36945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.1 | 39.2 | 58.8 |
| 141 | 13.5 | 11.4 | 17.2 |

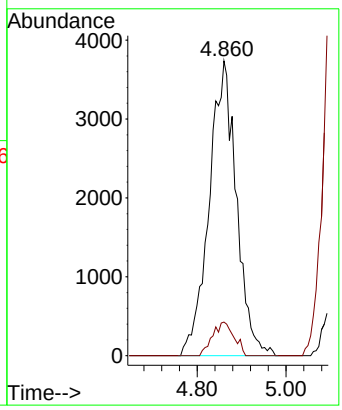





#11
Tert butyl alcohol
Concen: 96.952 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 59 Resp: 1593

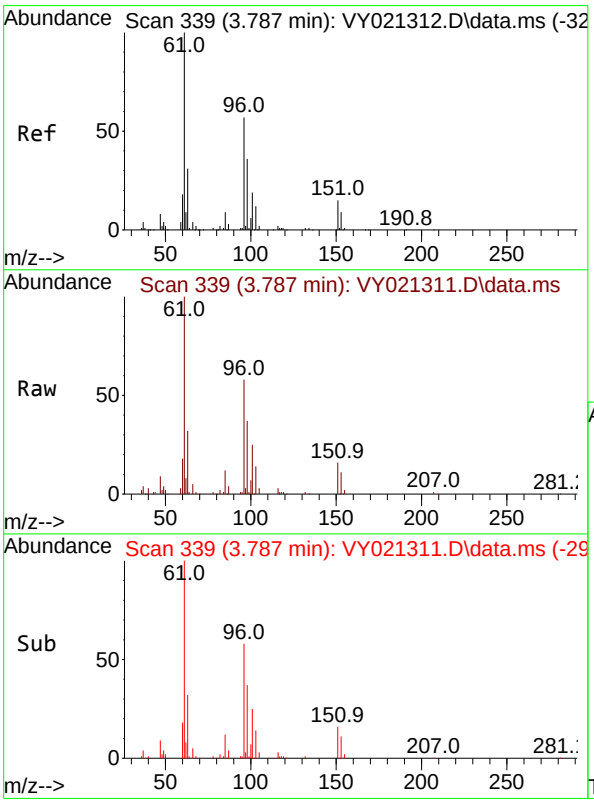
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 8.9 | 8.3 | 12.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

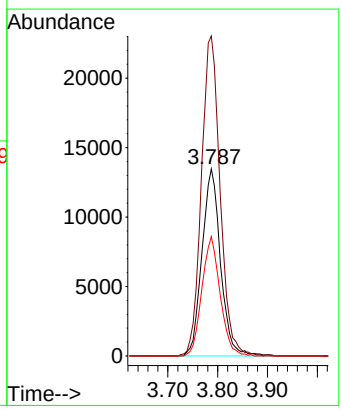
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

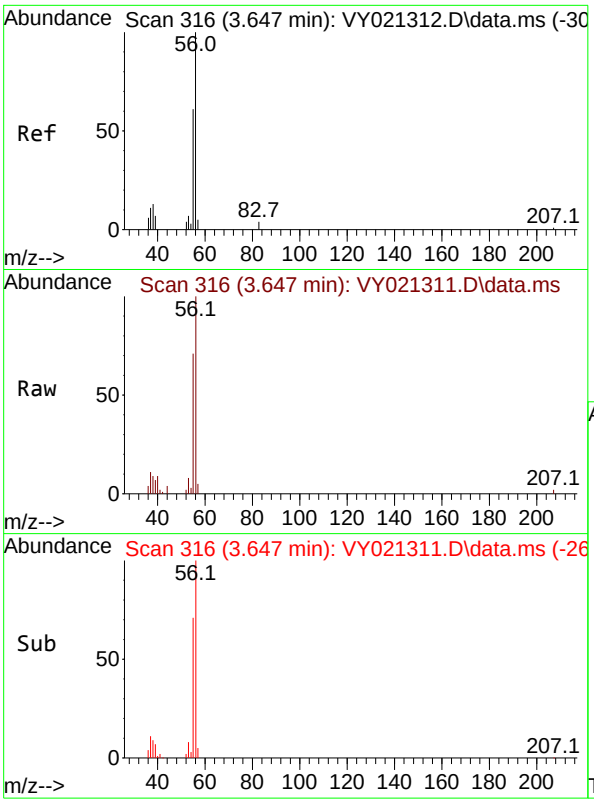



#12
1,1-Dichloroethene
Concen: 18.376 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 34827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.1 | 139.7 | 209.5 |
| 98 | 63.8 | 49.7 | 74.5 |






#13
Acrolein
Concen: 175.300 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 56 Resp: 2207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.0 | 59.0 | 88.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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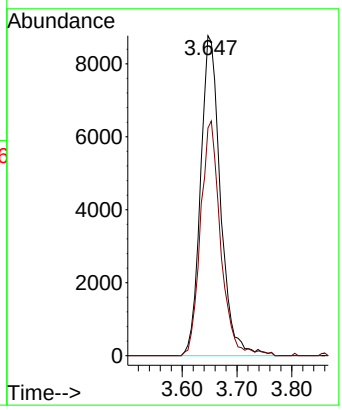
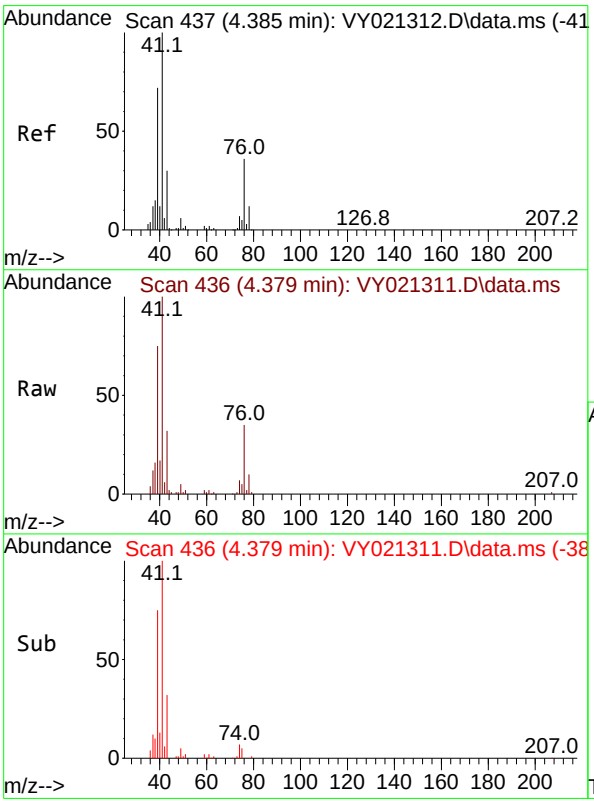
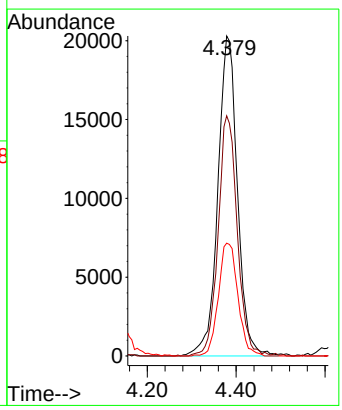


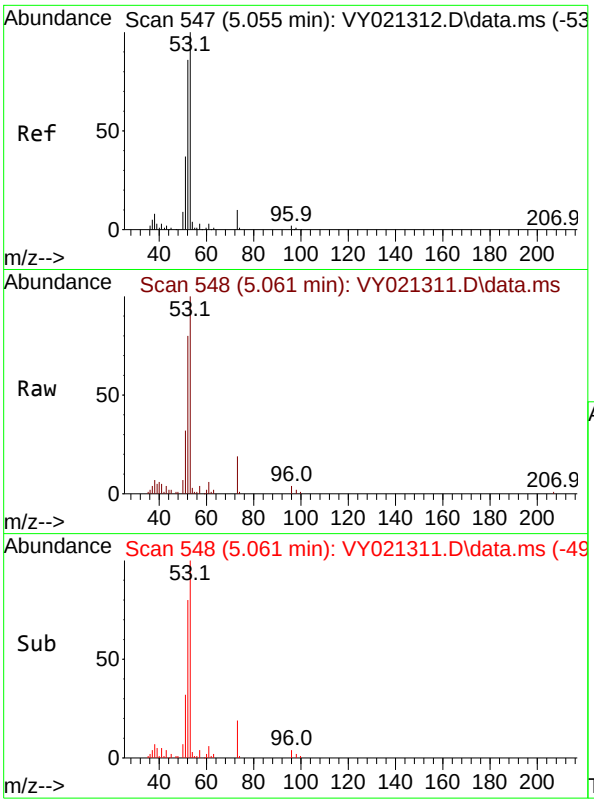




#14
Allyl chloride
Concen: 18.417 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 61887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.3 | 60.0 | 90.0 |
| 76 | 35.2 | 29.0 | 43.6 |

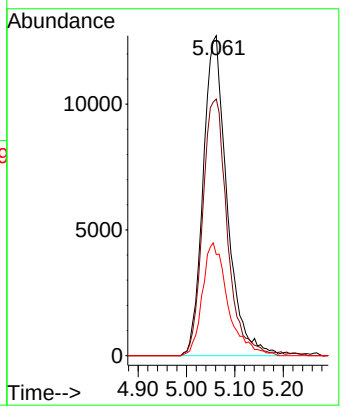





#15
Acrylonitrile
Concen: 96.460 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 53 Resp: 4376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 65.5 | 98.3 |
| 51 | 37.8 | 30.6 | 46.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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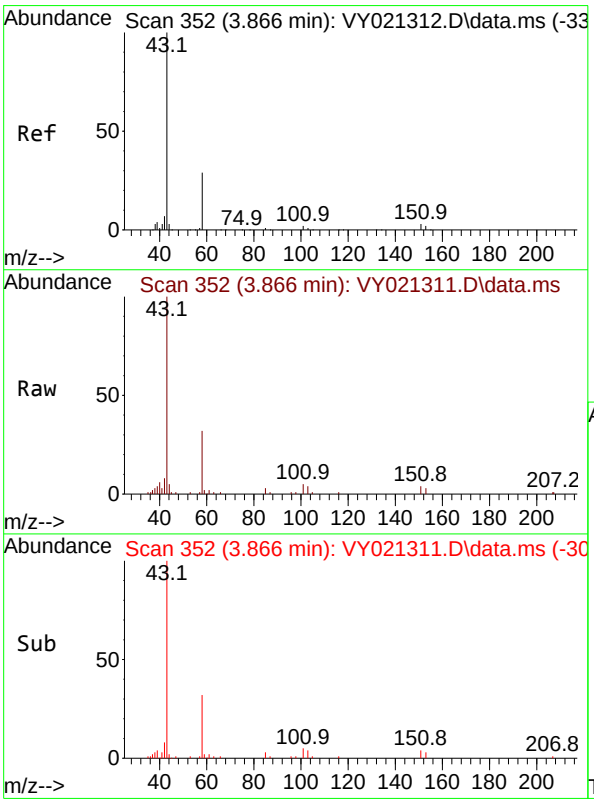
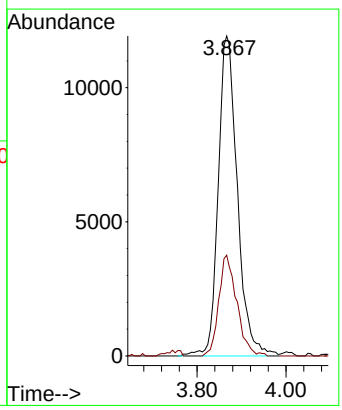
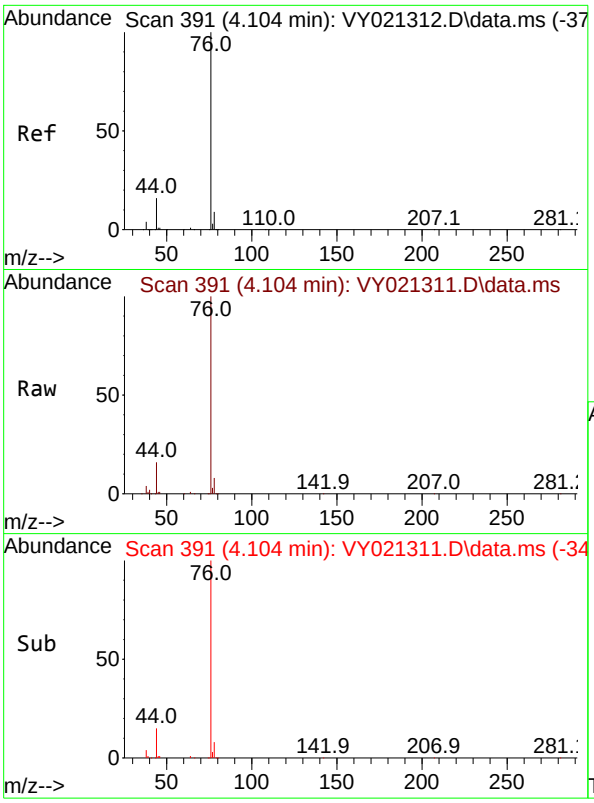



#16
Acetone
Concen: 86.623 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 35506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.5 | 23.5 | 35.3 |

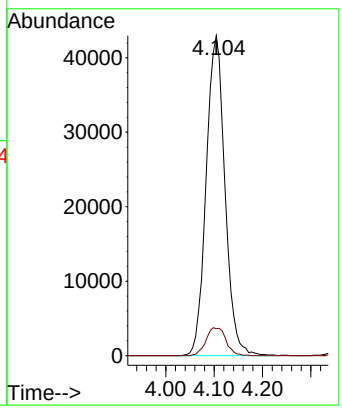





#17
Carbon Disulfide
Concen: 18.437 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 76 Resp: 11603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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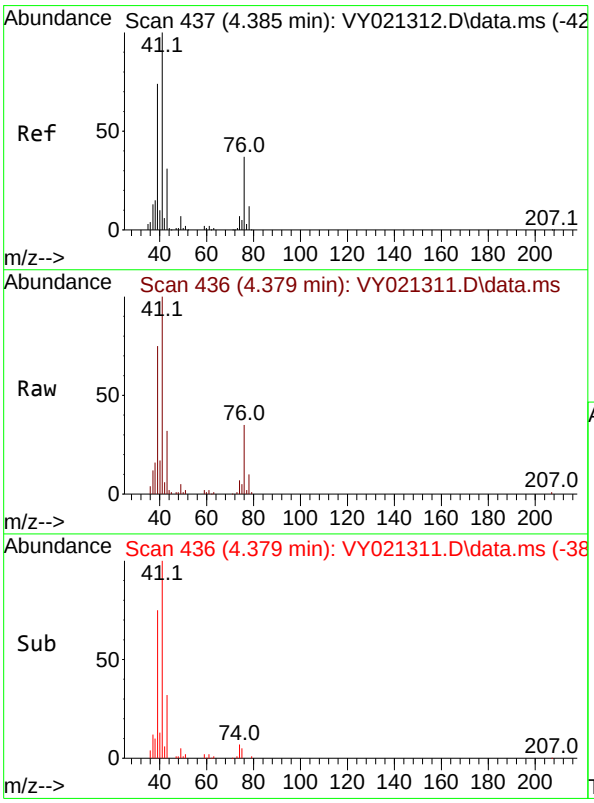
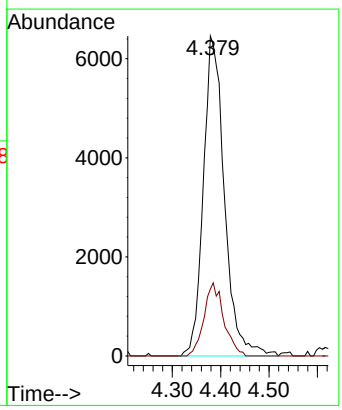
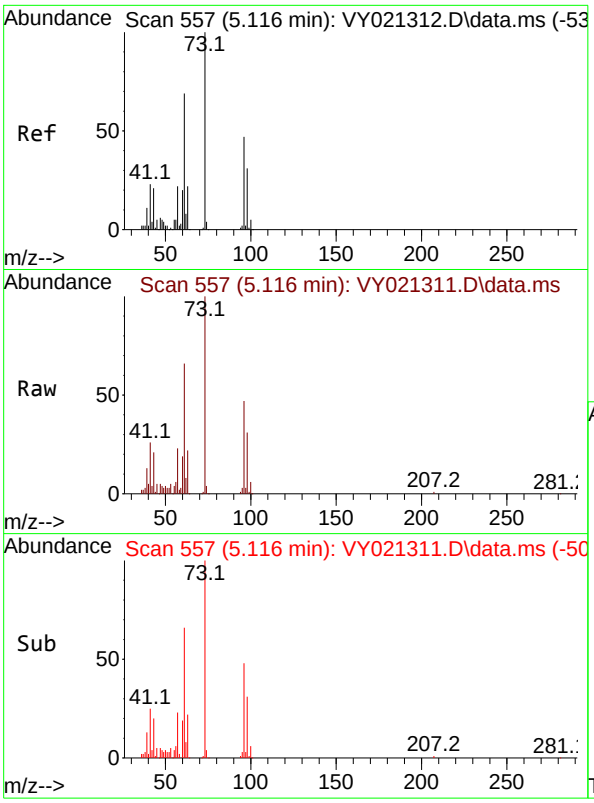



#18
Methyl Acetate
Concen: 19.500 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 19534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.4 | 17.7 | 26.5 |

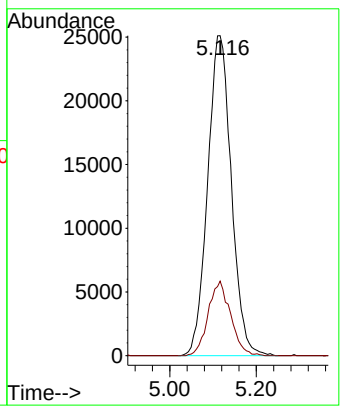





#19
Methyl tert-butyl Ether
Concen: 19.069 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 73 Resp: 9548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.3 | 17.4 | 26.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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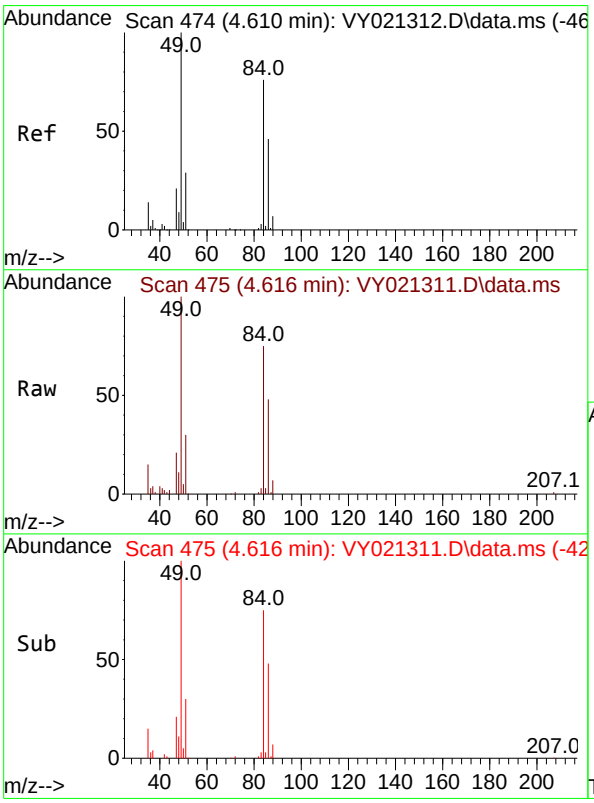
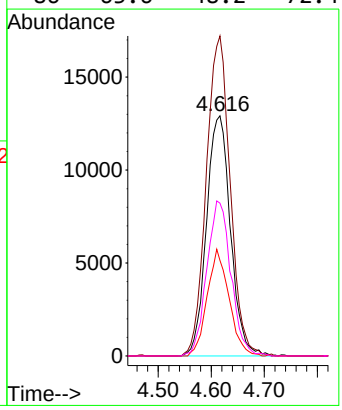
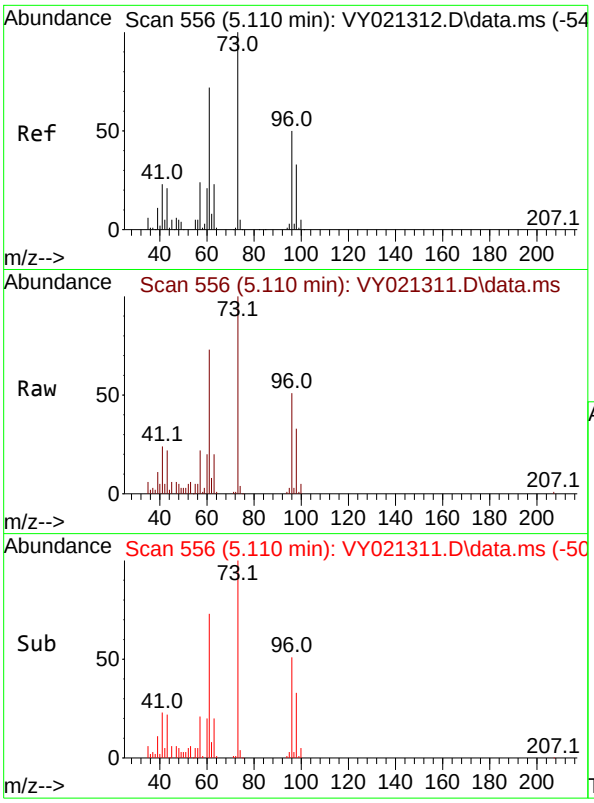



#20
Methylene Chloride
Concen: 18.331 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 84 Resp: 40630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 133.3 | 105.1 | 157.7 |
| 51 | 39.8 | 31.0 | 46.4 |
| 86 | 63.6 | 48.2 | 72.4 |

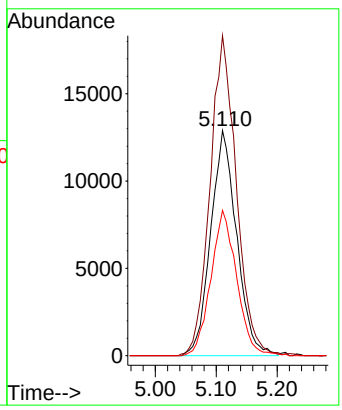





#21
trans-1,2-Dichloroethene
Concen: 18.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 3821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.1 | 116.3 | 174.5 |
| 98 | 64.5 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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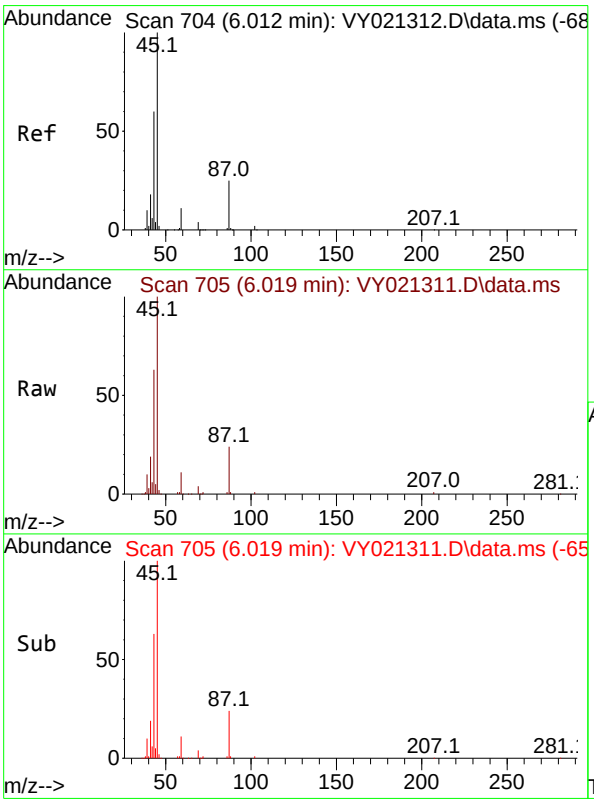
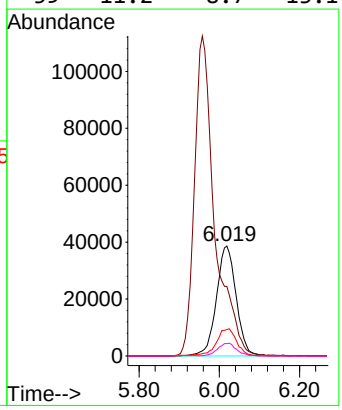
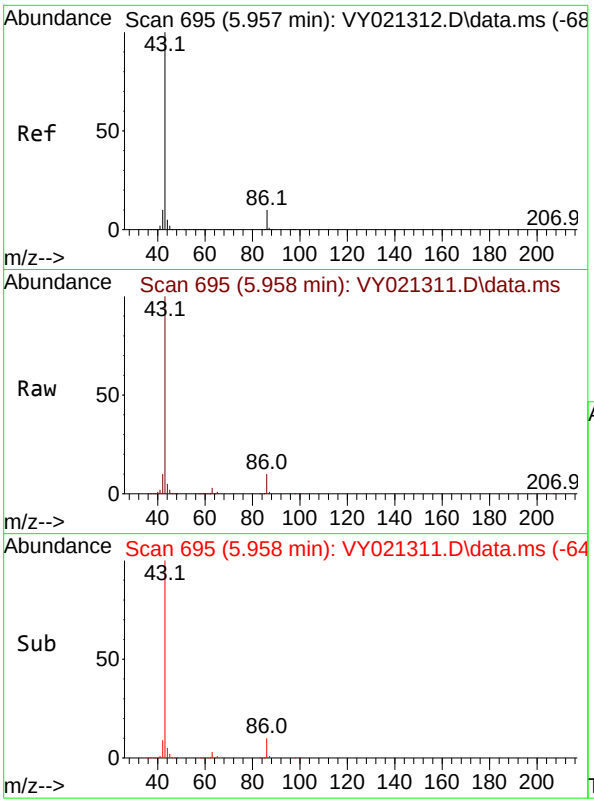



#22
Diisopropyl ether
Concen: 18.989 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 45 Resp: 132039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 62.7 | 48.2 | 72.4 |
| 87 | 24.1 | 20.3 | 30.5 |
| 59 | 11.2 | 8.7 | 13.1 |






#23
Vinyl Acetate
Concen: 94.730 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 39362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.0 | 12.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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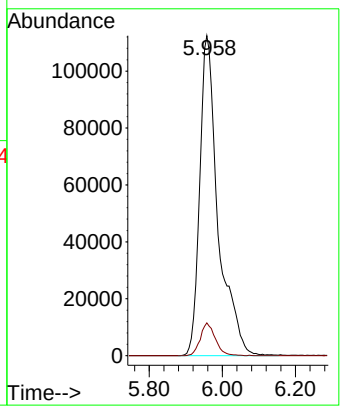
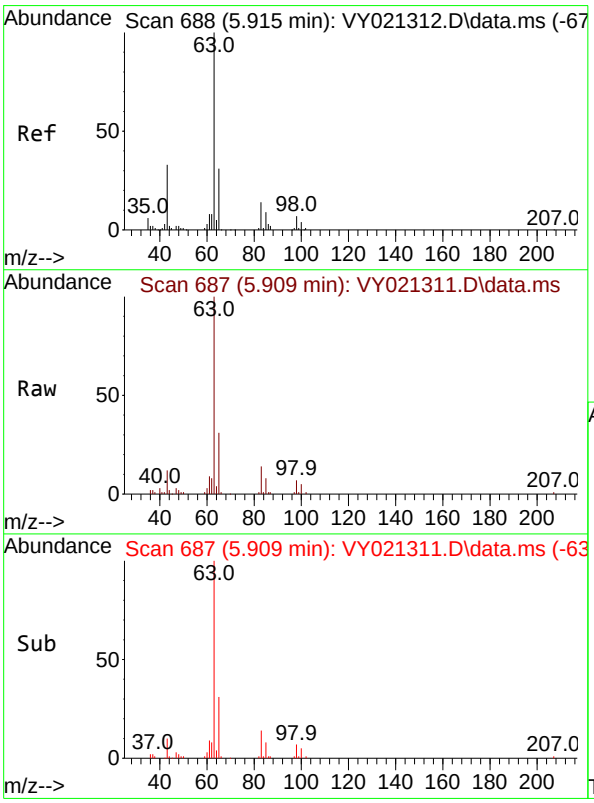
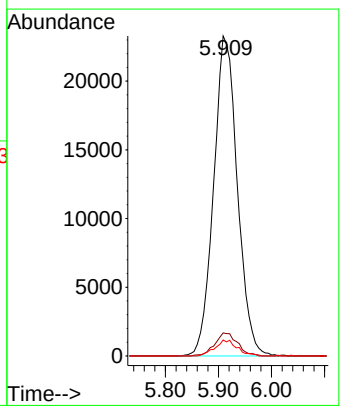


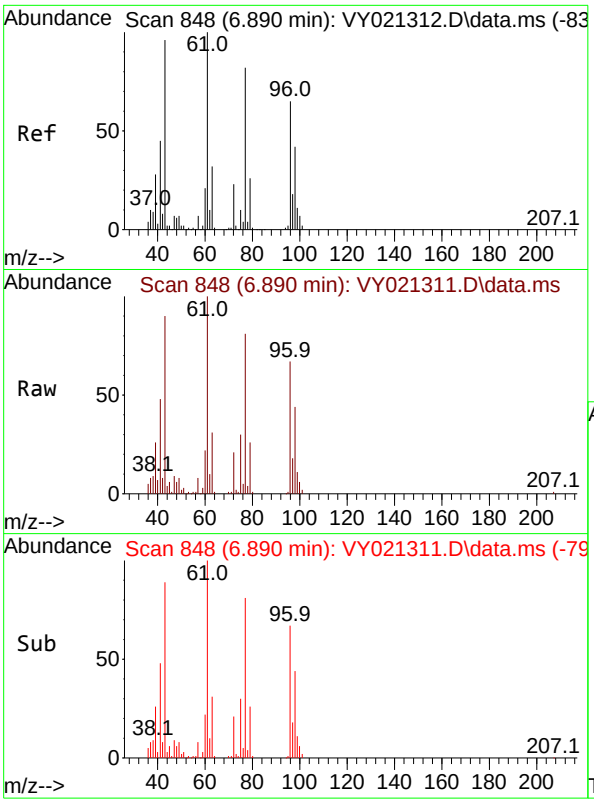




#24
1,1-Dichloroethane
Concen: 18.480 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 72428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.7 | 11.1 |
| 100 | 5.0 | 2.1 | 6.5 |

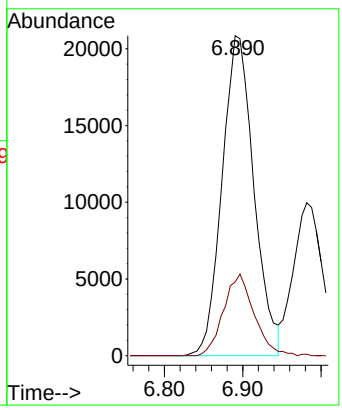





#25
2-Butanone
Concen: 95.278 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 5894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.0 | 19.0 | 28.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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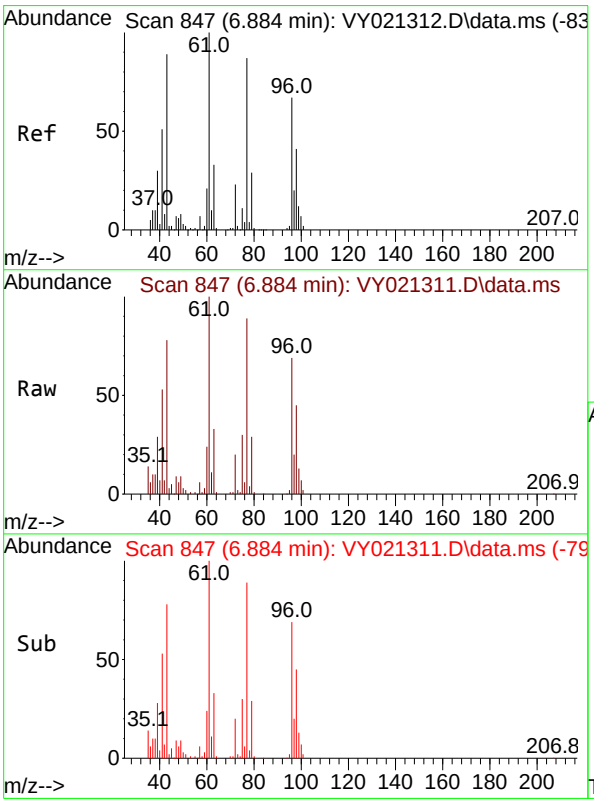
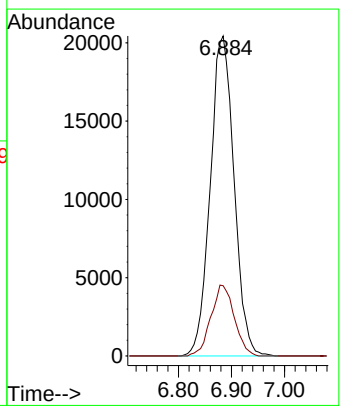
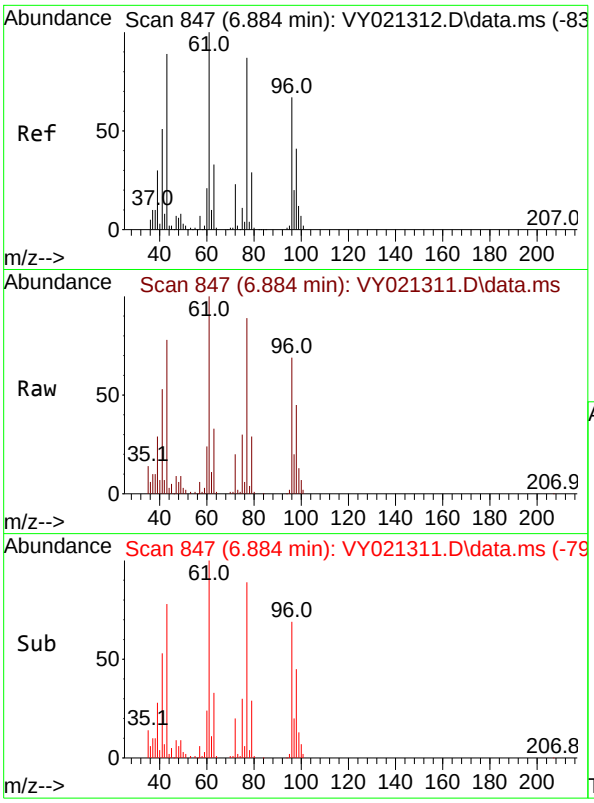



#26
2,2-Dichloropropane
Concen: 17.908 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 77 Resp: 63686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 10.9 | 32.7 |

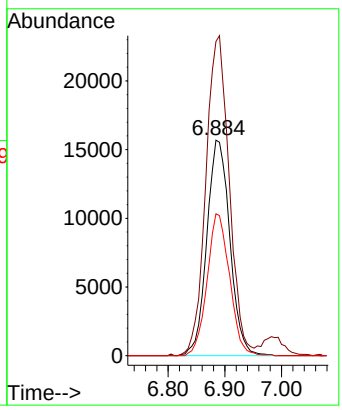





#27
cis-1,2-Dichloroethene
Concen: 18.592 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 4429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.5 | 0.0 | 308.0 |
| 98 | 64.3 | 0.0 | 129.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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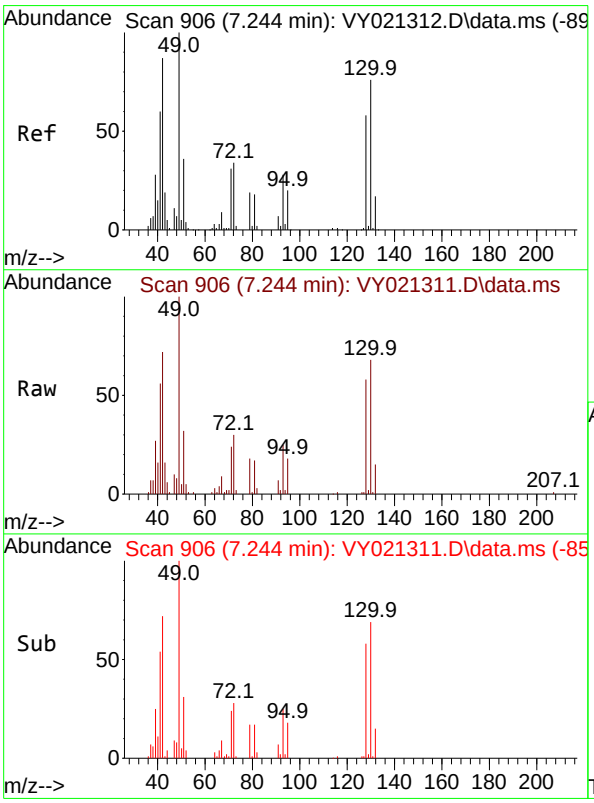
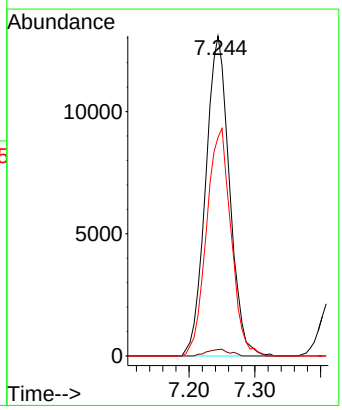
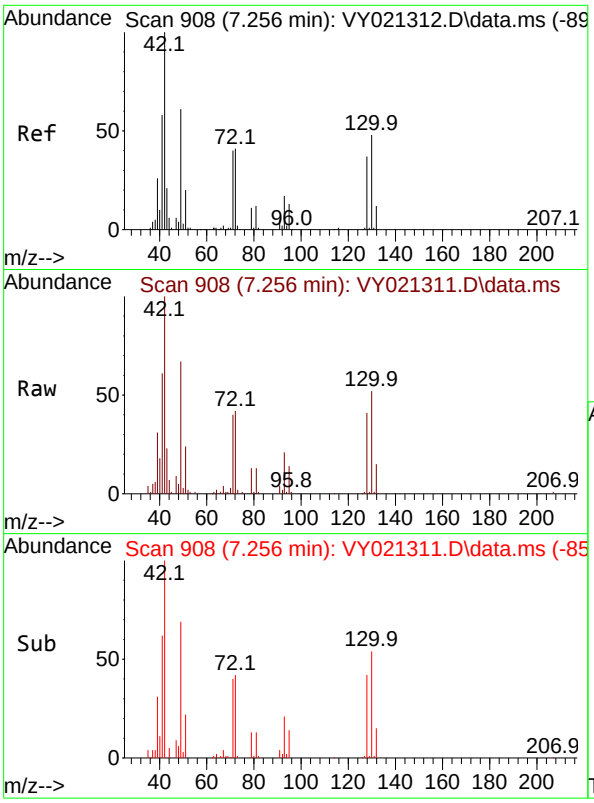



#28
Bromochloromethane
Concen: 19.022 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 49 Resp: 32987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 73.2 | 57.8 | 86.6 |

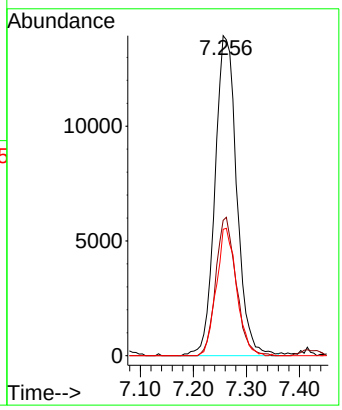





#29
Tetrahydrofuran
Concen: 98.365 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 42 Resp: 3977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.4 | 33.1 | 49.7 |
| 71 | 37.2 | 31.4 | 47.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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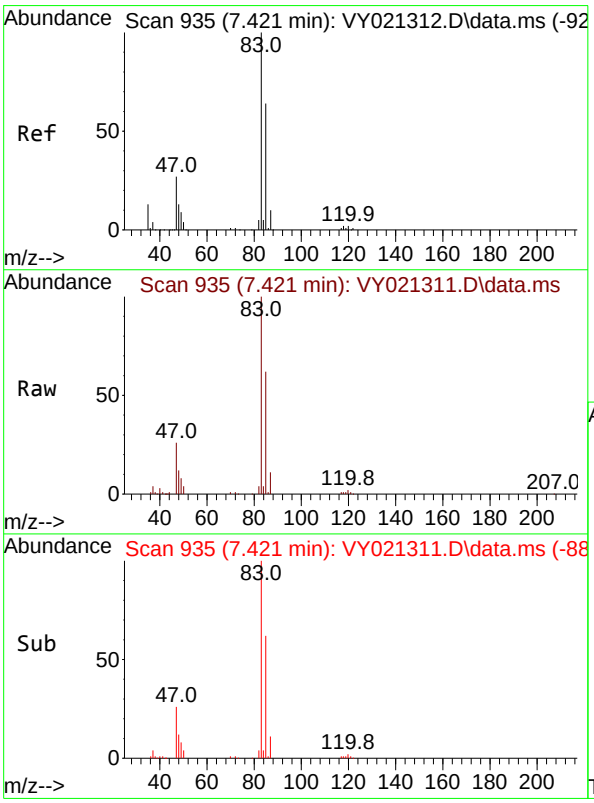
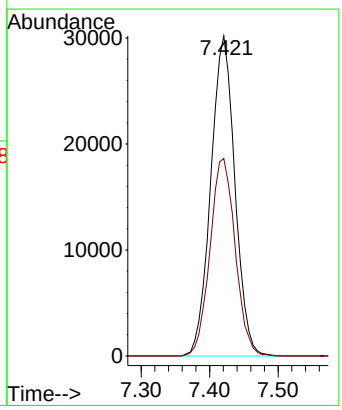
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

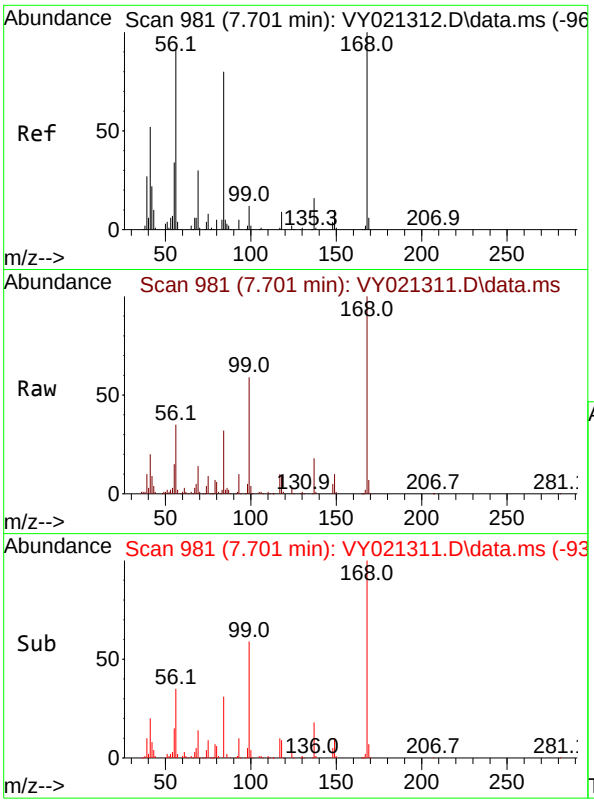



#30
Chloroform
Concen: 18.543 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 73639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.7 | 51.6 | 77.4 |

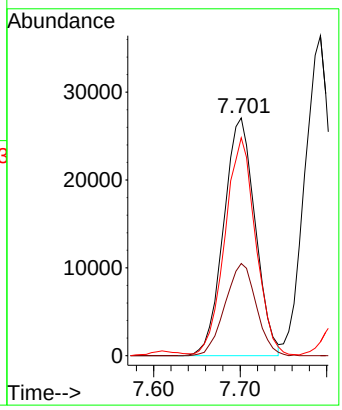





#31
Cyclohexane
Concen: 18.191 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 56 Resp: 6853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 38.8 | 26.2 | 39.4 |
| 84 | 90.4 | 70.2 | 105.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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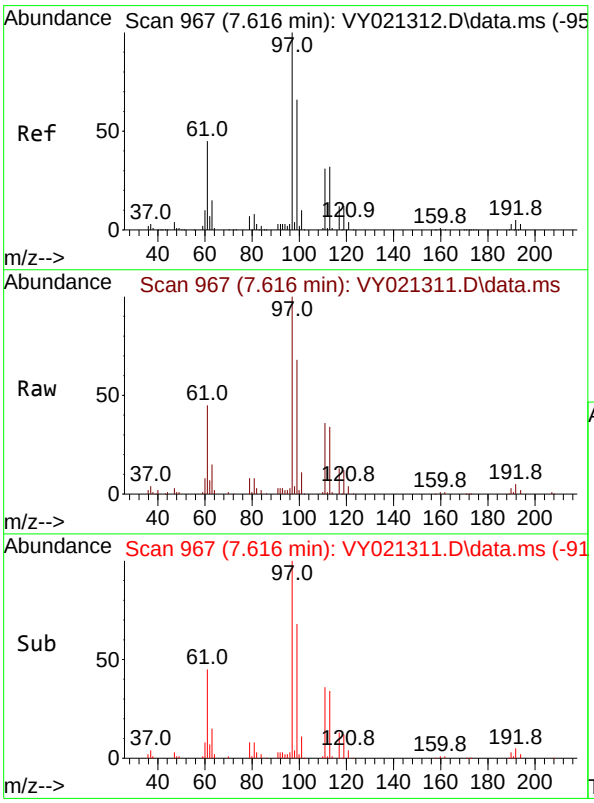
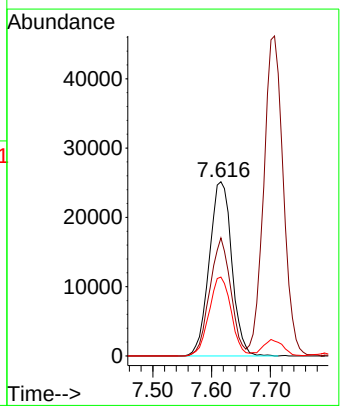
Supervised By :Mahesh Dadoda 02/26/2025

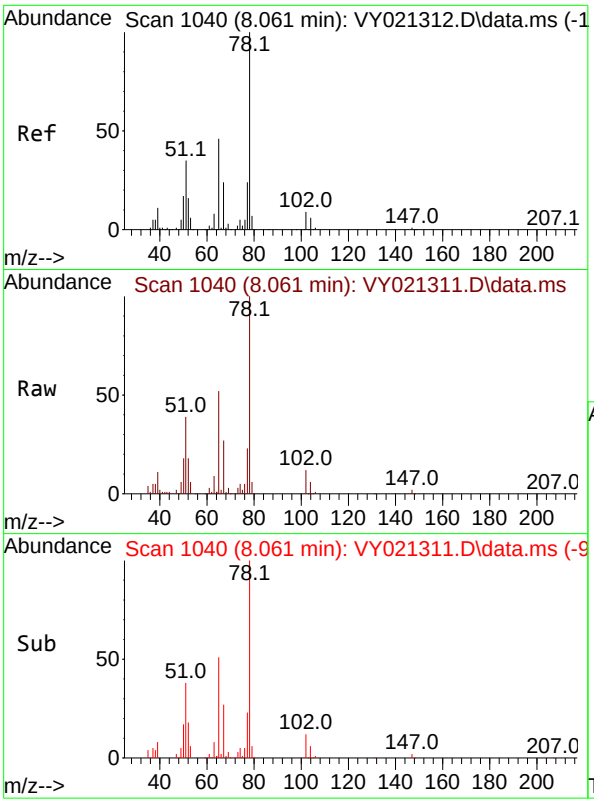



#32
1,1,1-Trichloroethane
Concen: 18.538 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 67011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 52.4 | 78.6 |
| 61 | 44.5 | 36.2 | 54.2 |

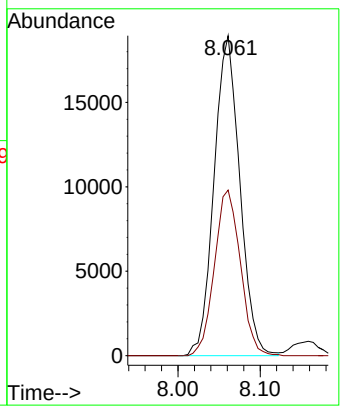





#33
1,2-Dichloroethane-d4
Concen: 19.337 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 65 Resp: 4132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 103.6 |




**Instrument :**
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VSTDICC020

**Manual Integrations**
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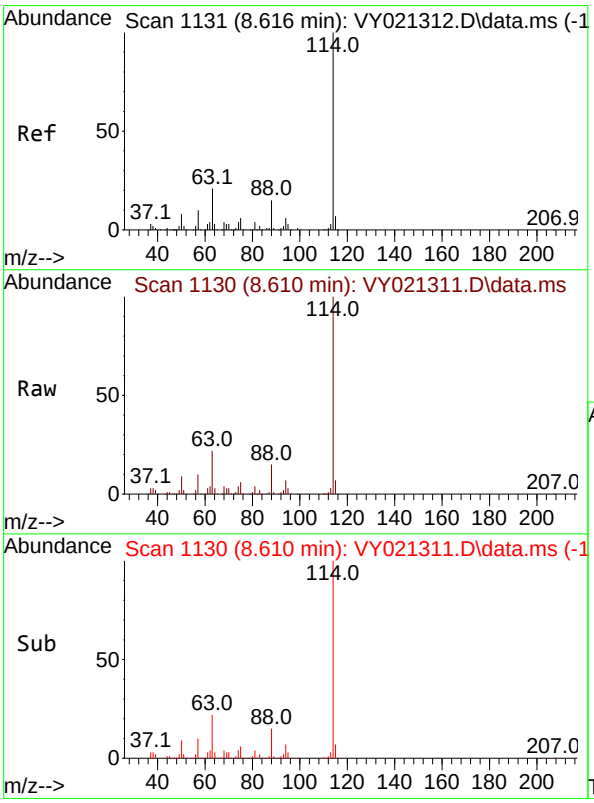
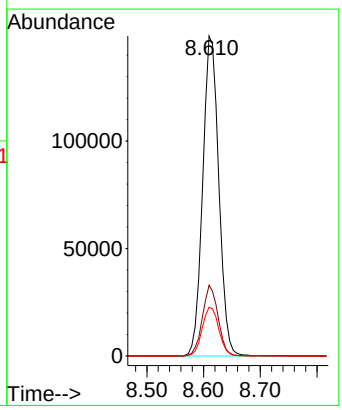
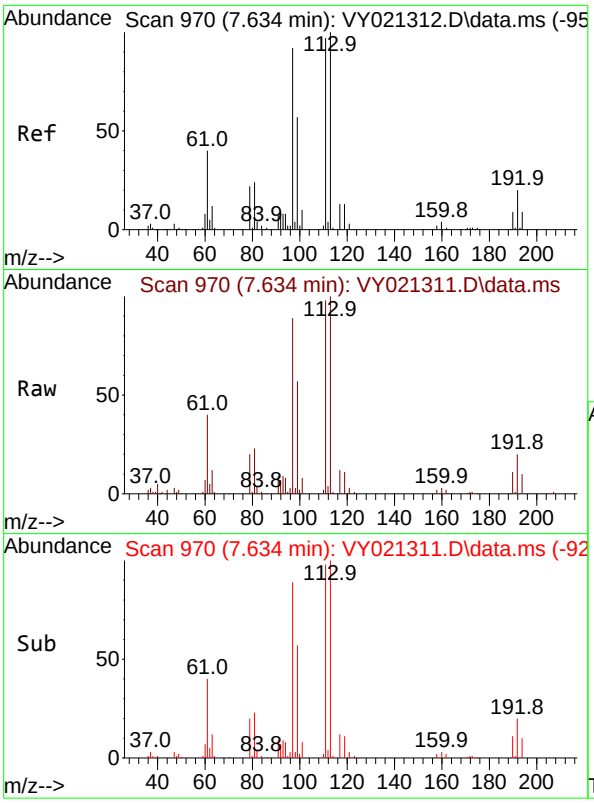



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:114 Resp: 293434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 42.2 |
| 88 | 15.2 | 0.0 | 29.8 |

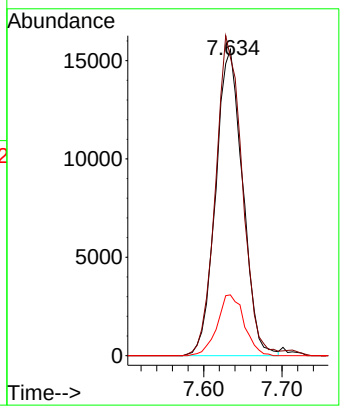





#35
Dibromofluoromethane
Concen: 19.371 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:113 Resp: 3726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.5 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
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VSTDICC020

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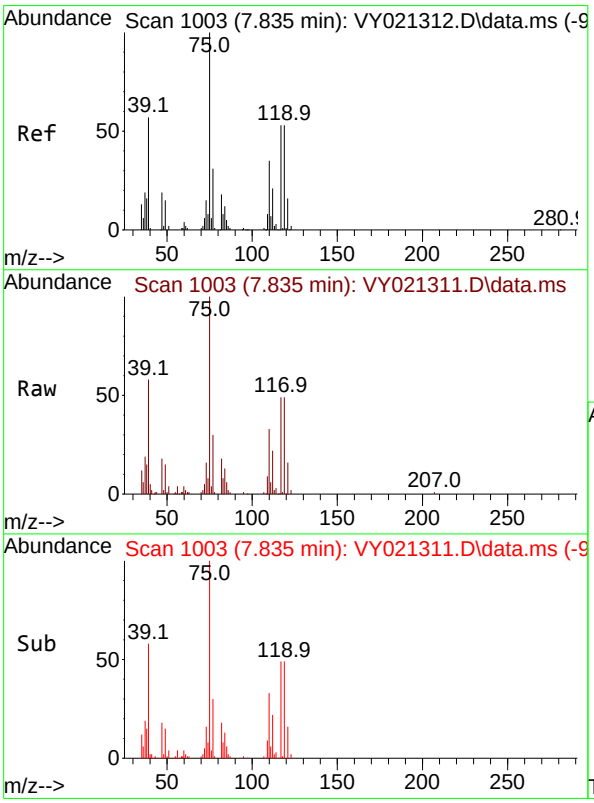
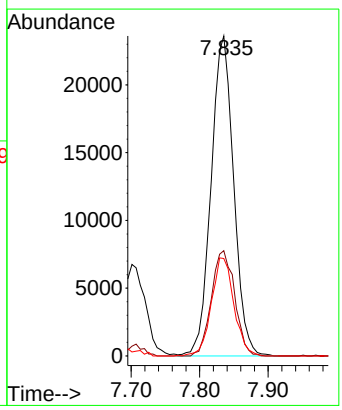
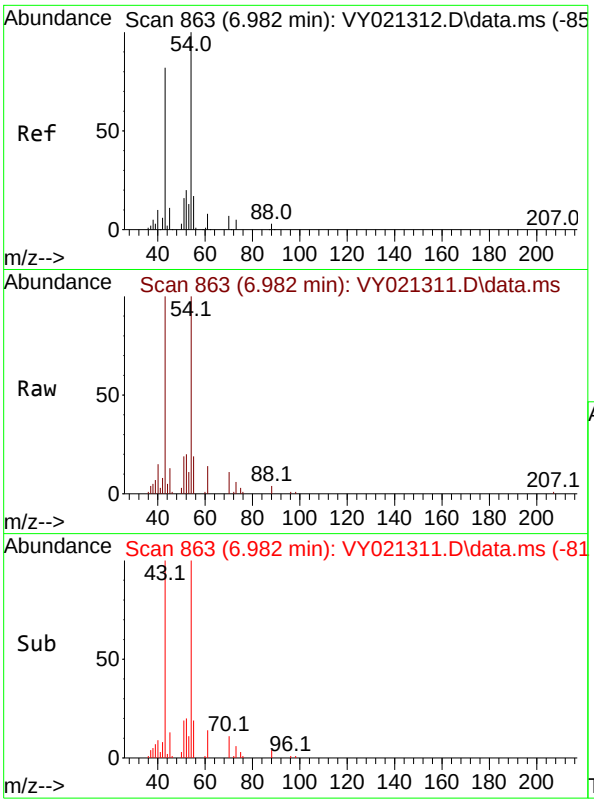



#36
1,1-Dichloropropene
Concen: 18.685 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 53995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 16.9 | 50.7 |
| 77 | 30.6 | 24.6 | 36.8 |






#37
Ethyl Acetate
Concen: 18.914 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 2718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.1 | 10.4 | 15.6 |
| 70 | 9.8 | 7.5 | 11.3 |

**Instrument :**
MSVOA_Y
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VSTDICC020

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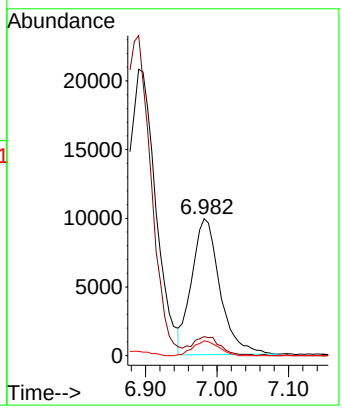
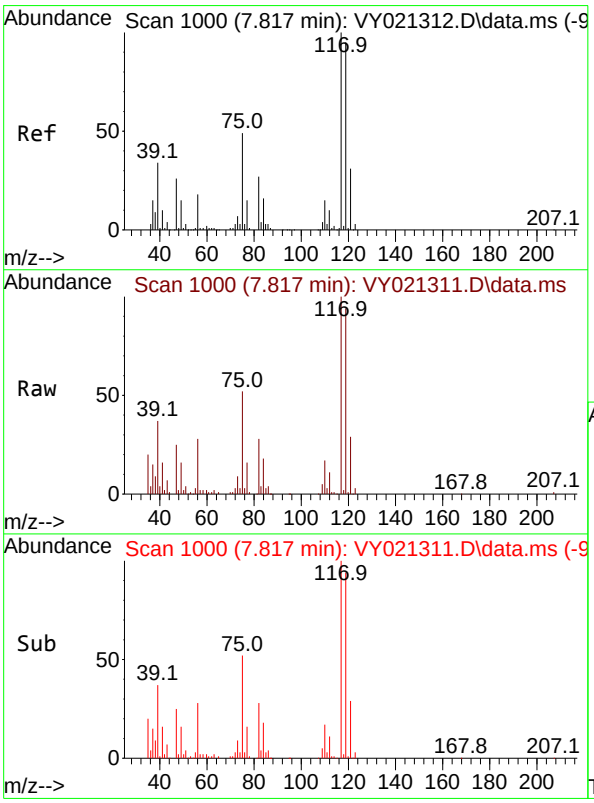
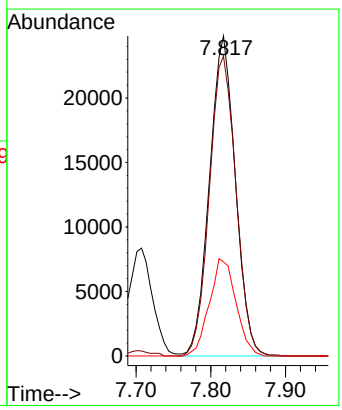


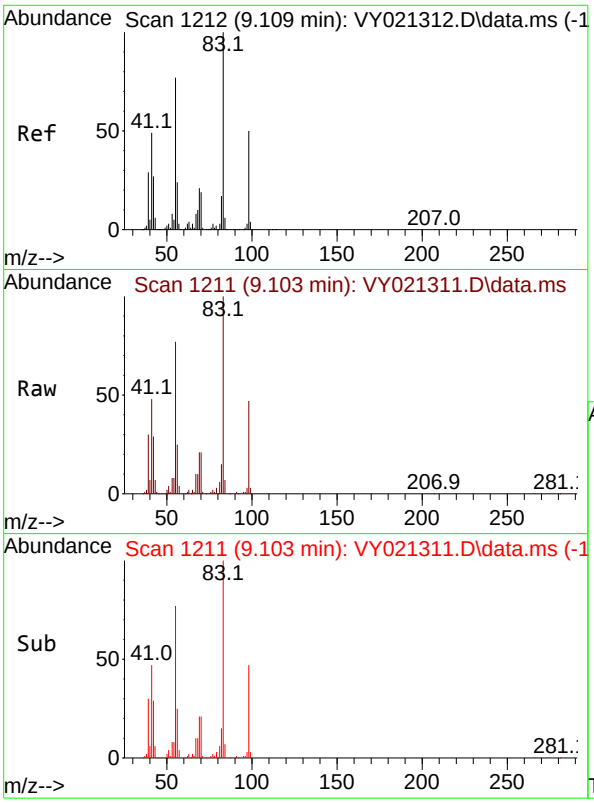




#38
Carbon Tetrachloride
Concen: 18.387 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 59733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.7 | 76.0 | 114.0 |
| 121 | 29.4 | 24.9 | 37.3 |

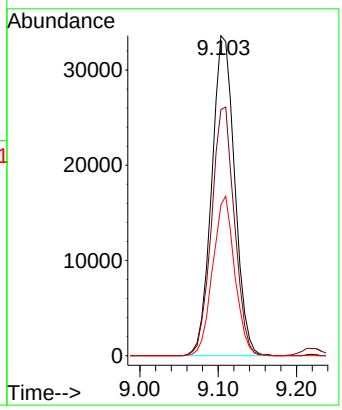





#39
Methylcyclohexane
Concen: 18.746 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 6851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.9 | 61.3 | 91.9 |
| 98 | 47.1 | 39.9 | 59.9 |




**Instrument :**
MSVOA_Y
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VSTDICC020

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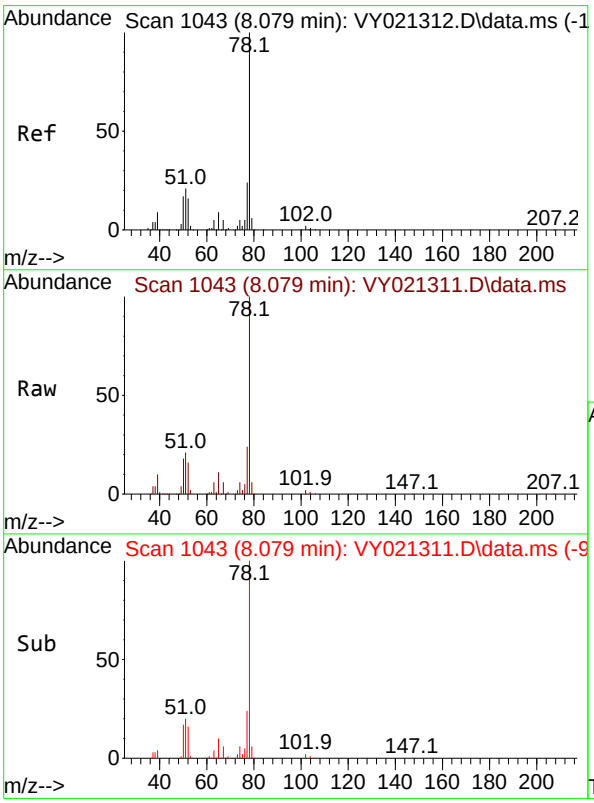
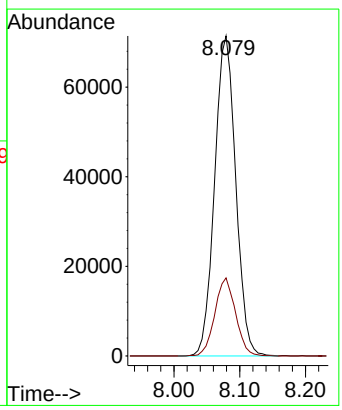
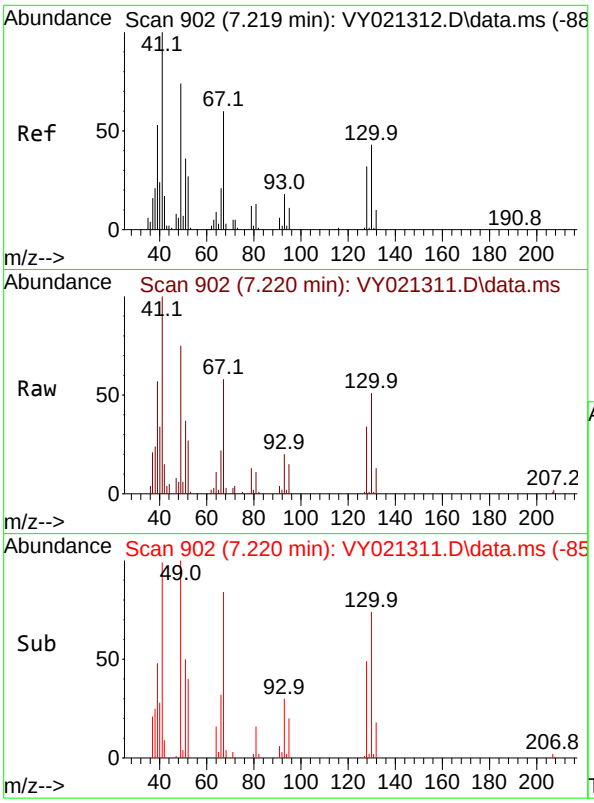



#40
Benzene
Concen: 18.676 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 78 Resp: 159536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.4 | 19.2 | 28.8 |

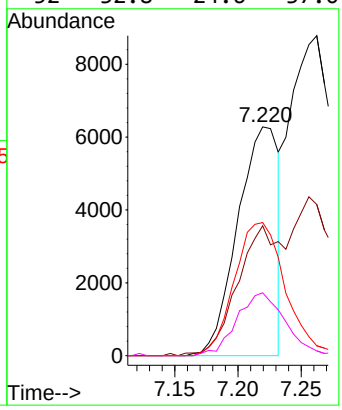





#41
Methacrylonitrile
Concen: 17.554 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 1410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 63.1 | 42.3 | 63.5 |
| 67 | 72.9 | 54.8 | 82.2 |
| 52 | 32.8 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

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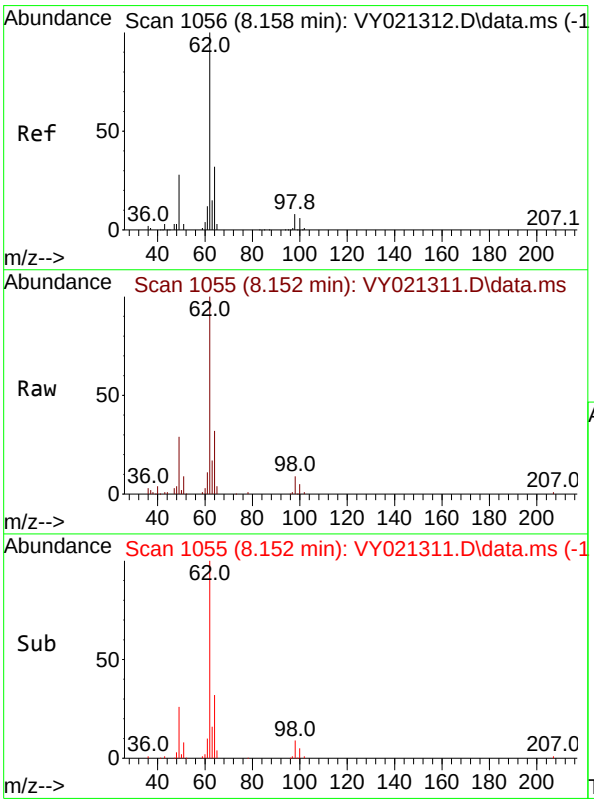
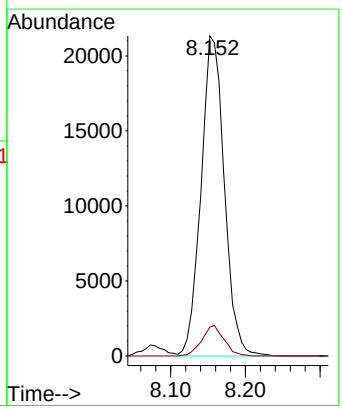
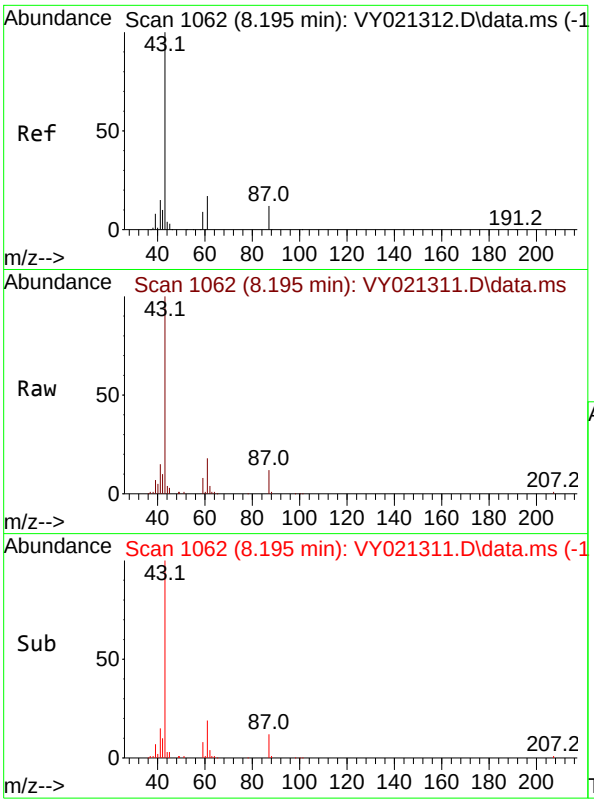



#42
1,2-Dichloroethane
Concen: 19.043 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 46152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.6 |

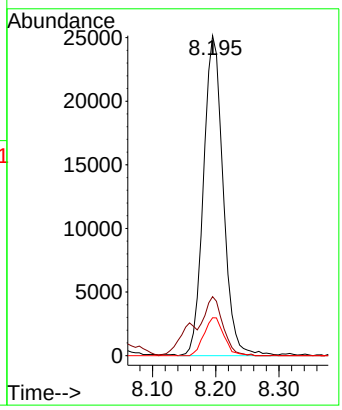





#43
Isopropyl Acetate
Concen: 19.583 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 5448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 15.0 | 22.6 |
| 87 | 12.1 | 10.0 | 15.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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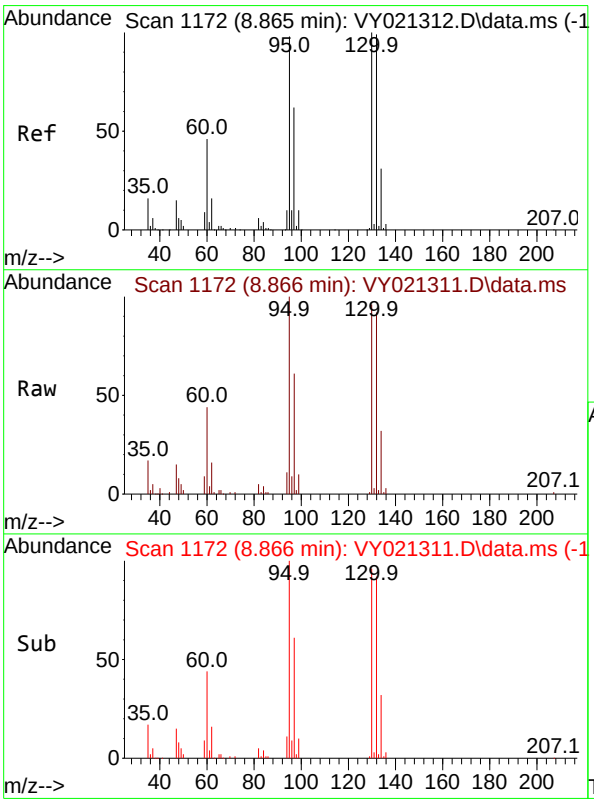
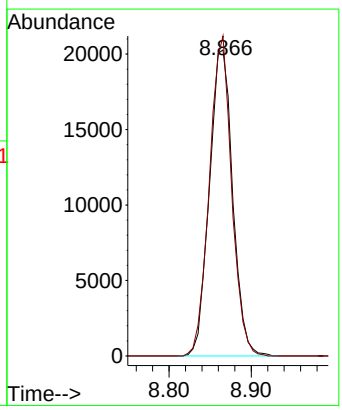
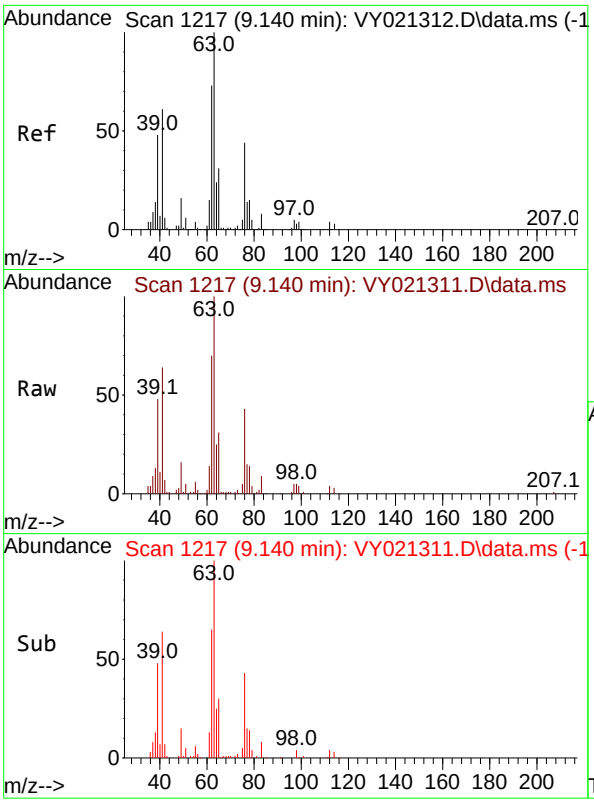



#44
Trichloroethene
Concen: 18.706 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:130 Resp: 40005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 104.6 | 0.0 | 196.0 |

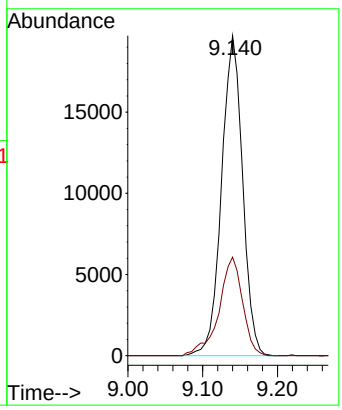





#45
1,2-Dichloropropane
Concen: 18.782 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 3861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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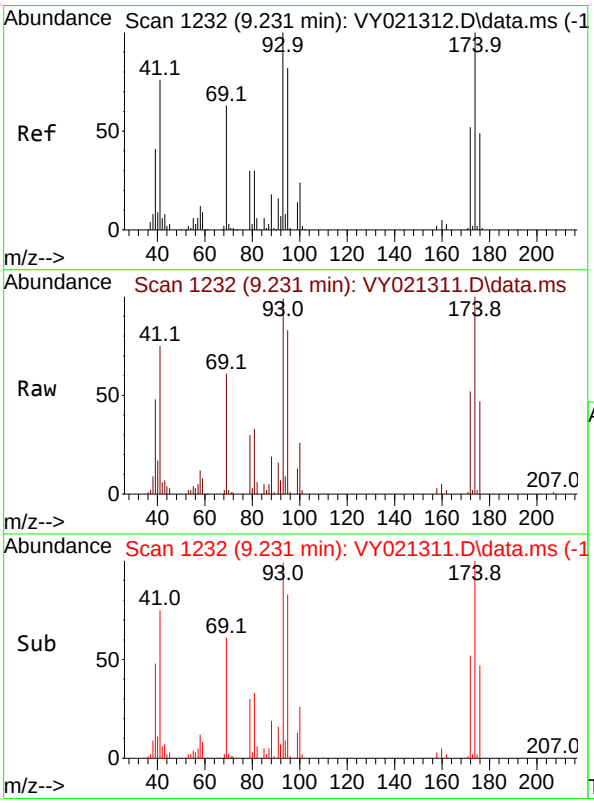
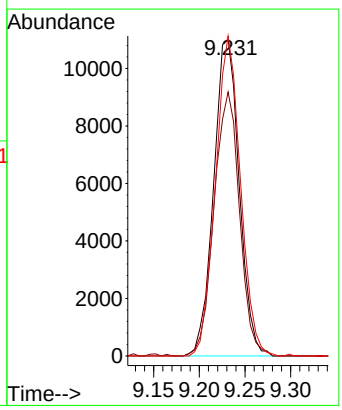
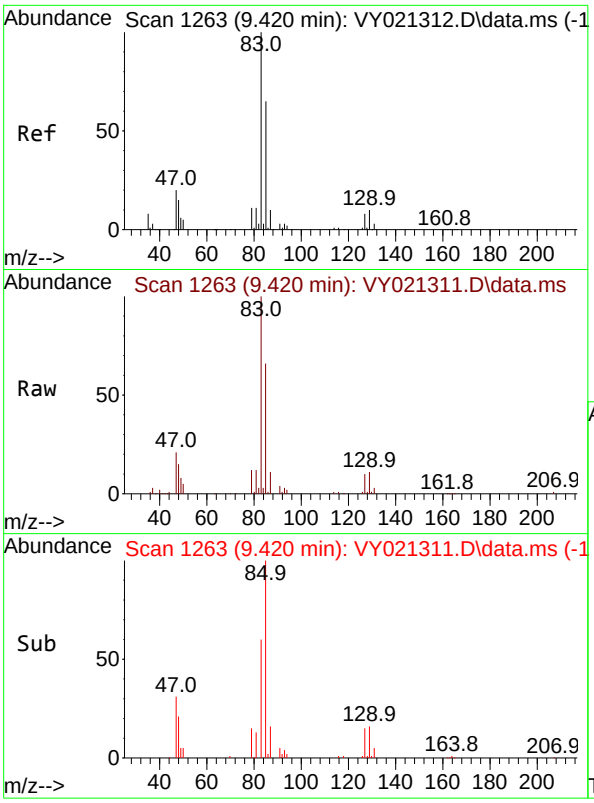



#46
Dibromomethane
Concen: 19.063 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 93 Resp: 21421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 66.4 | 99.6 |
| 174 | 98.7 | 78.2 | 117.2 |

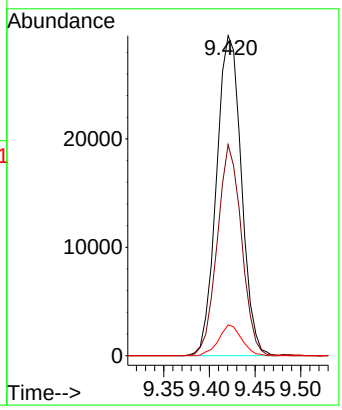





#47
Bromodichloromethane
Concen: 18.701 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 5603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 51.8 | 77.8 |
| 127 | 9.6 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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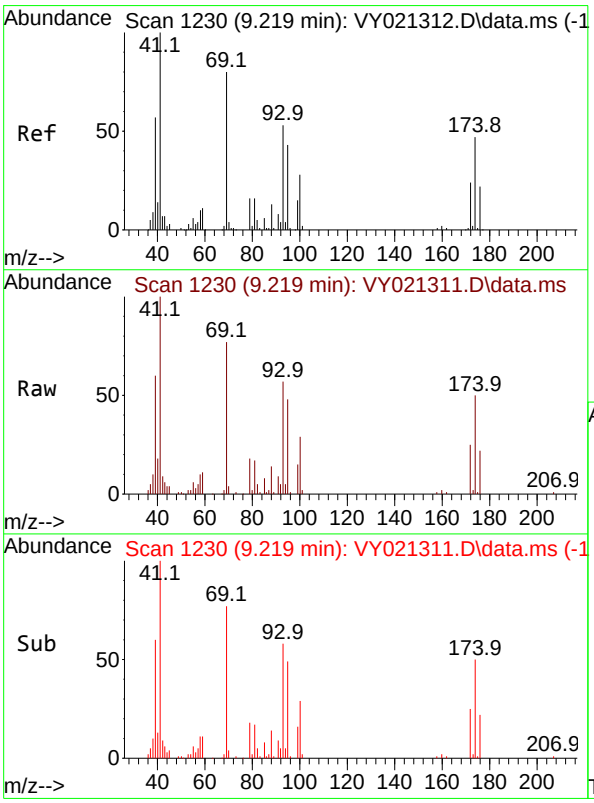
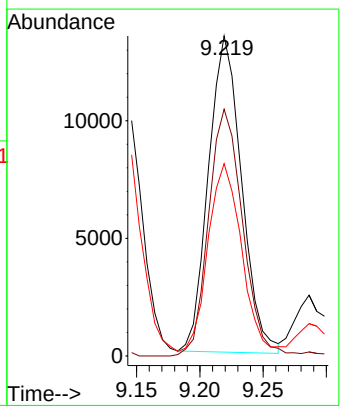
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

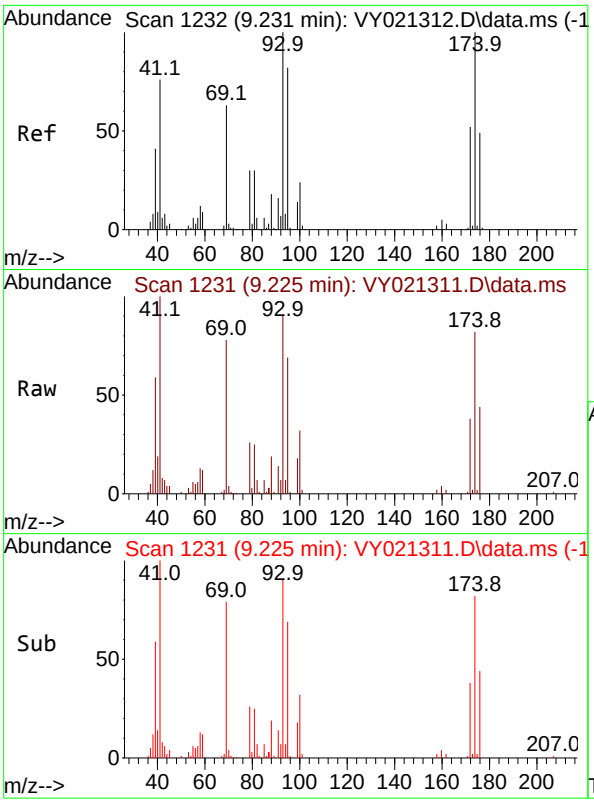



#48
Methyl methacrylate
Concen: 18.801 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 24461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.2 | 63.3 | 94.9 |
| 39 | 60.2 | 45.0 | 67.6 |

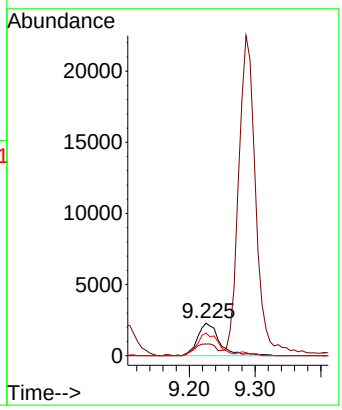





#49
1,4-Dioxane
Concen: 424.825 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 88 Resp: 530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.4 | 34.8 | 52.2 |
| 58 | 66.8 | 59.8 | 89.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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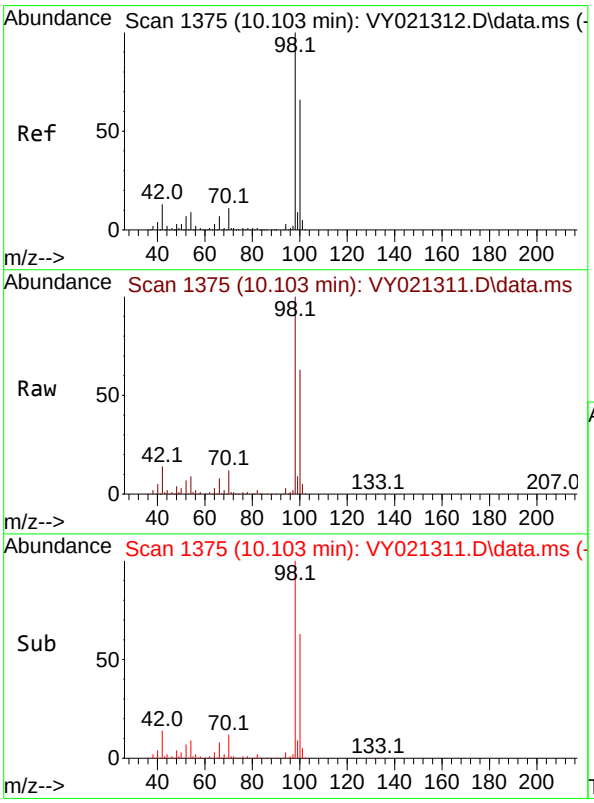
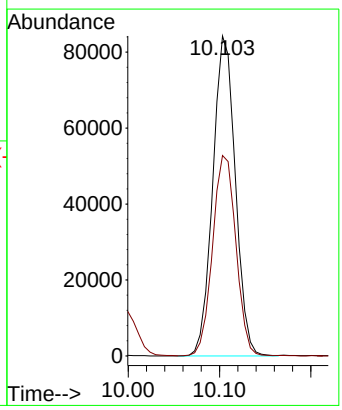
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

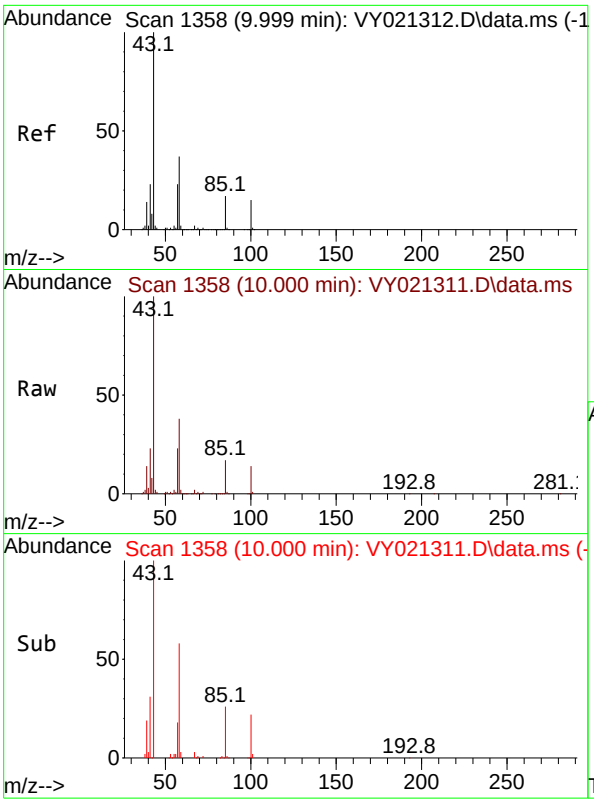



#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 98 Resp: 144409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 52.4 | 78.6 |

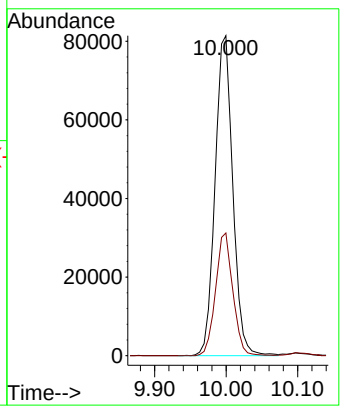





#51
4-Methyl-2-Pentanone
Concen: 98.430 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 14018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.3 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
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VSTDICC020

**Manual Integrations**
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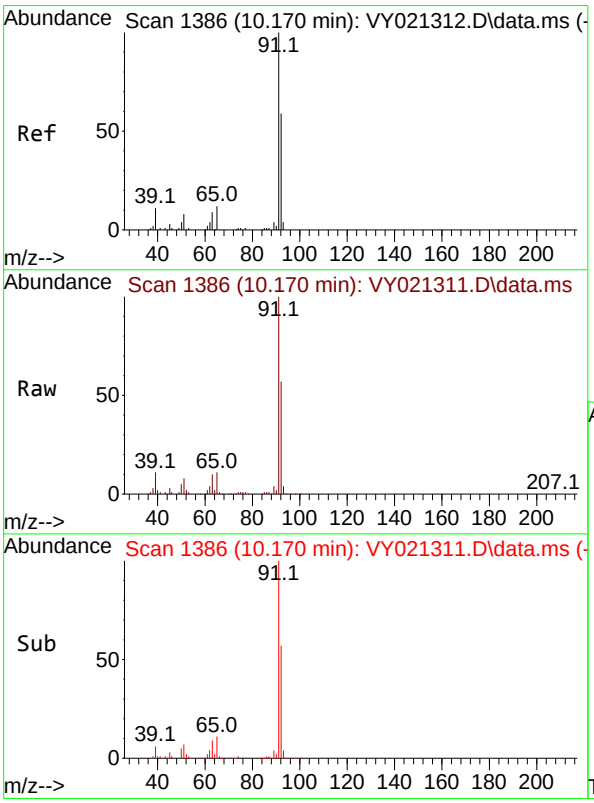
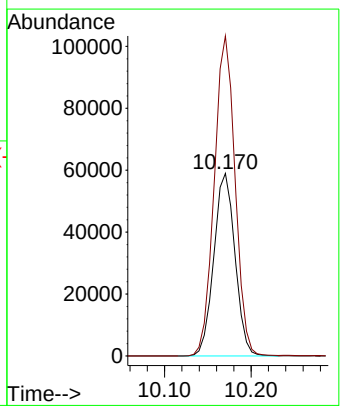
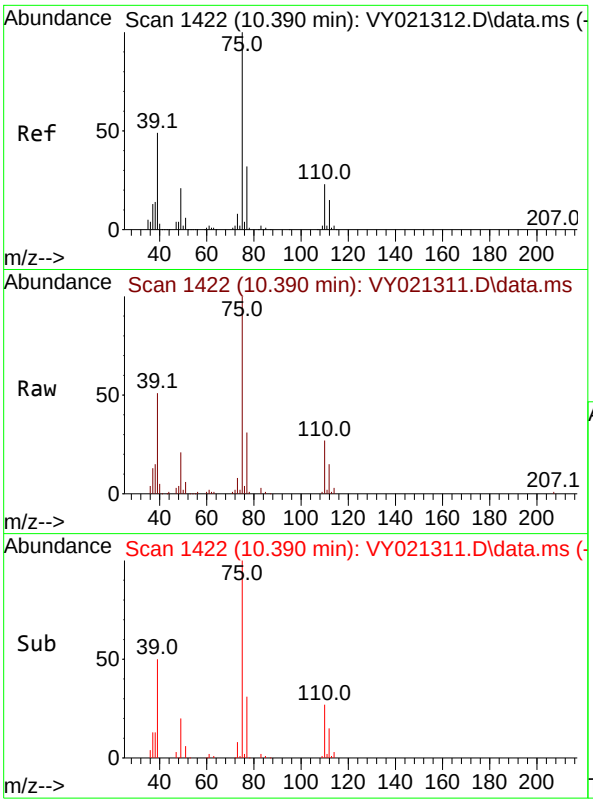



#52
Toluene
Concen: 18.854 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 92 Resp: 100050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.8 | 137.8 | 206.8 |

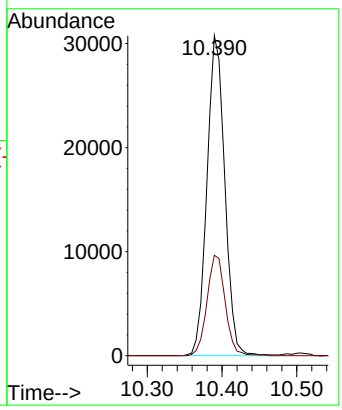





#53
t-1,3-Dichloropropene
Concen: 18.563 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.3 | 37.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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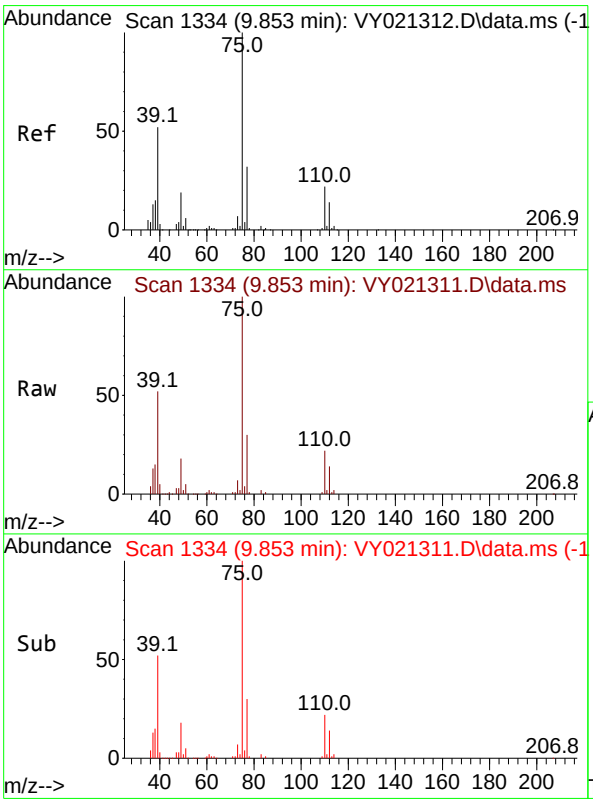
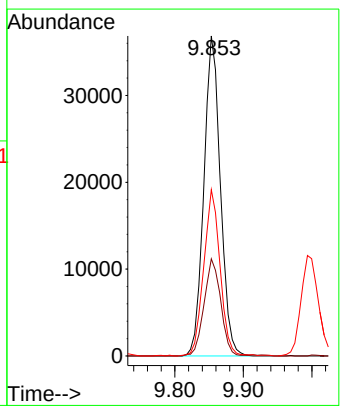
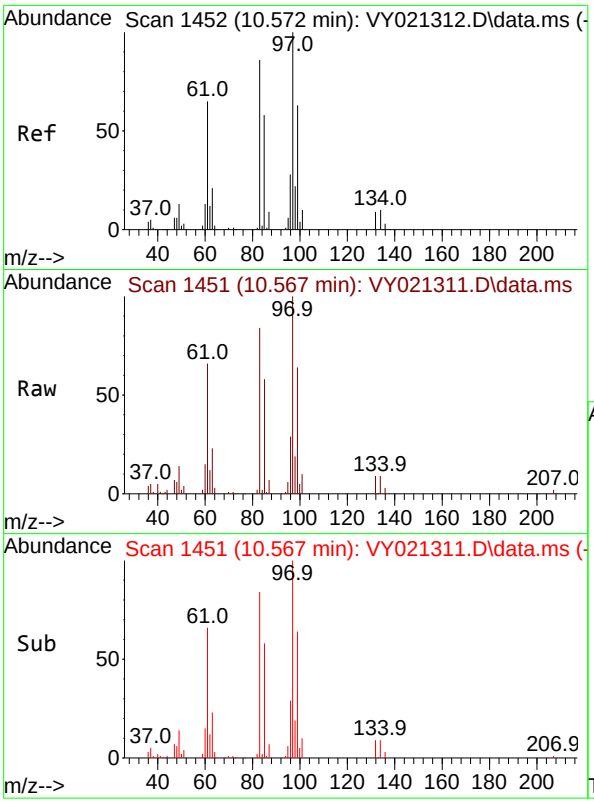



#54
cis-1,3-Dichloropropene
Concen: 19.122 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 61967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.3 | 25.7 | 38.5 |
| 39 | 52.0 | 41.8 | 62.6 |

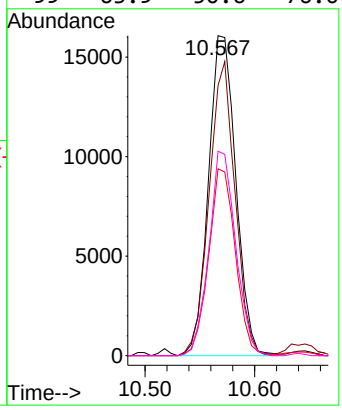





#55
1,1,2-Trichloroethane
Concen: 19.088 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 2794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.4 | 68.7 | 103.1 |
| 85 | 58.4 | 46.3 | 69.5 |
| 99 | 63.9 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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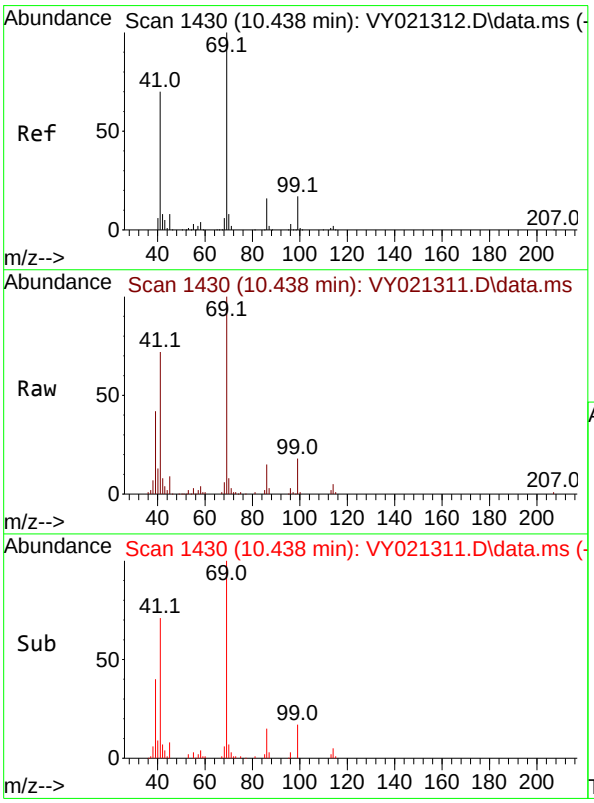
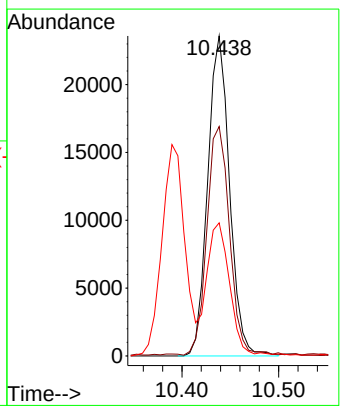
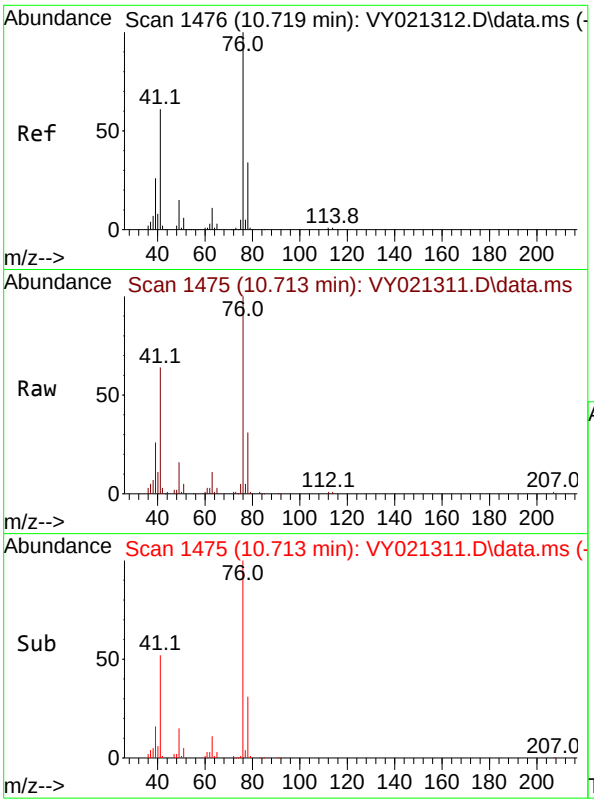



#56
Ethyl methacrylate
Concen: 18.291 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 69 Resp: 36997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 74.3 | 56.2 | 84.4 |
| 39 | 43.9 | 32.7 | 49.1 |

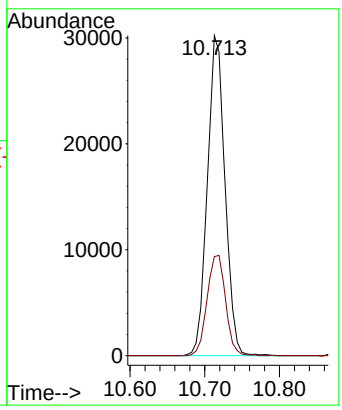





#57
1,3-Dichloropropane
Concen: 19.270 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 76 Resp: 4949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.9 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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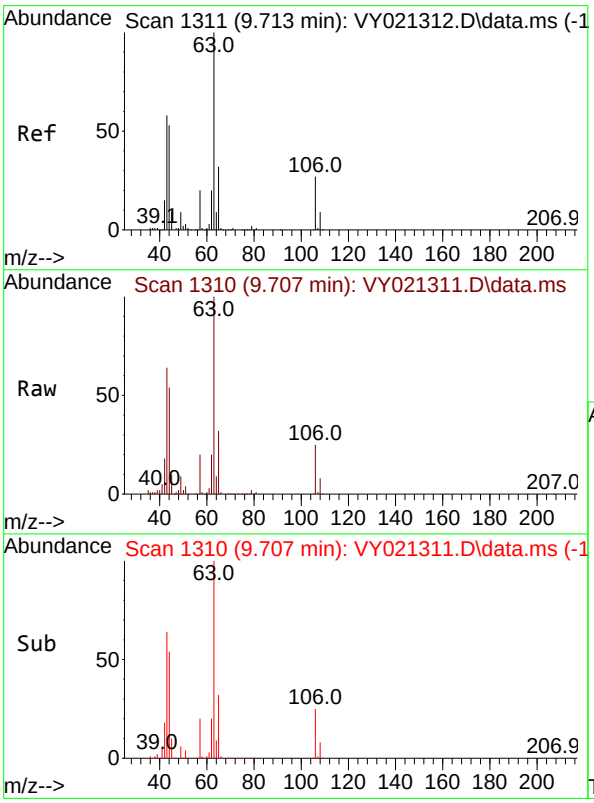
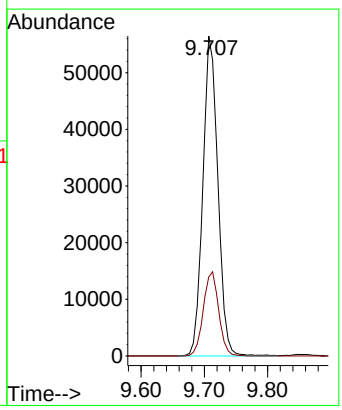
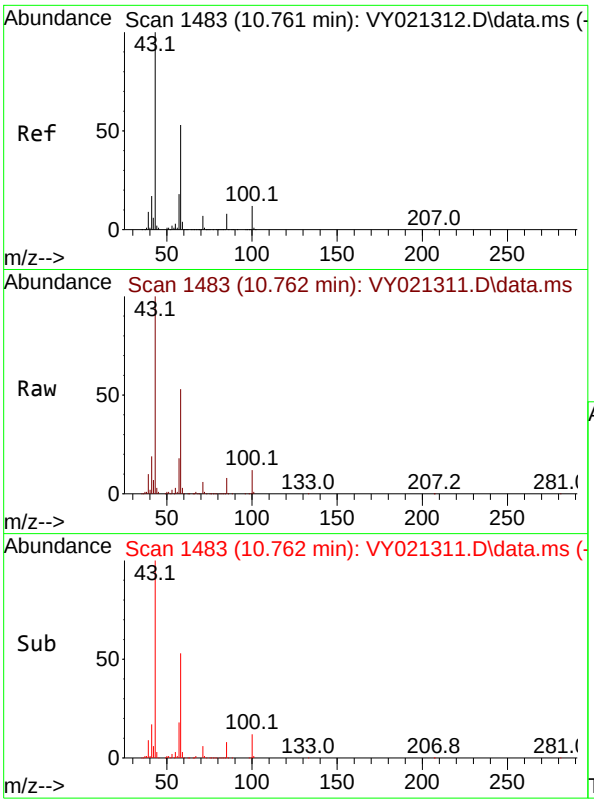



#58
2-Chloroethyl Vinyl ether
Concen: 96.179 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 93377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.9 | 21.7 | 32.5 |






#59
2-Hexanone
Concen: 97.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 9088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.7 | 25.9 | 77.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

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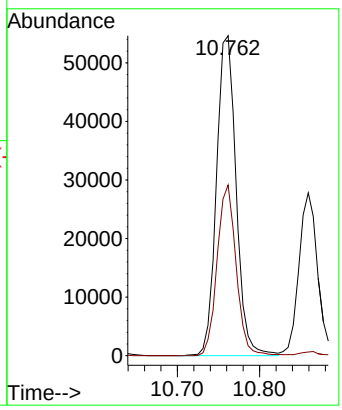
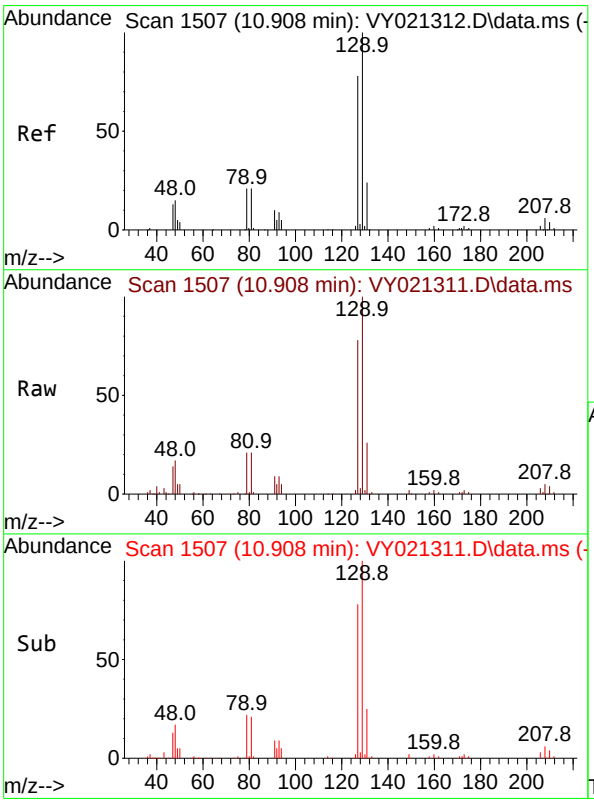
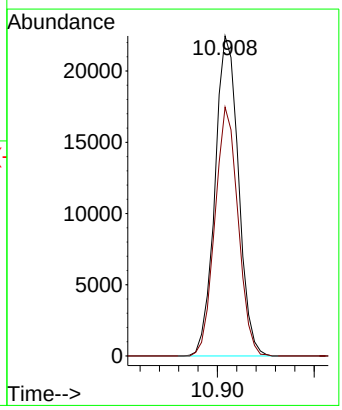


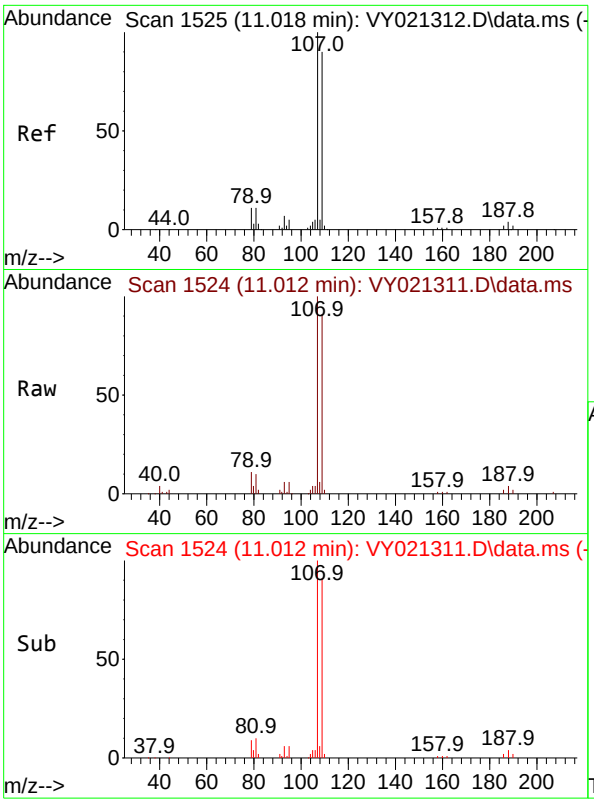




#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:129 Resp: 37808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.5 | 38.8 | 116.4 |

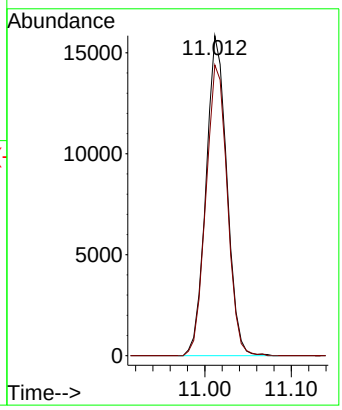





#61
1,2-Dibromoethane
Concen: 19.135 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:107 Resp: 2651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.9 | 73.8 | 110.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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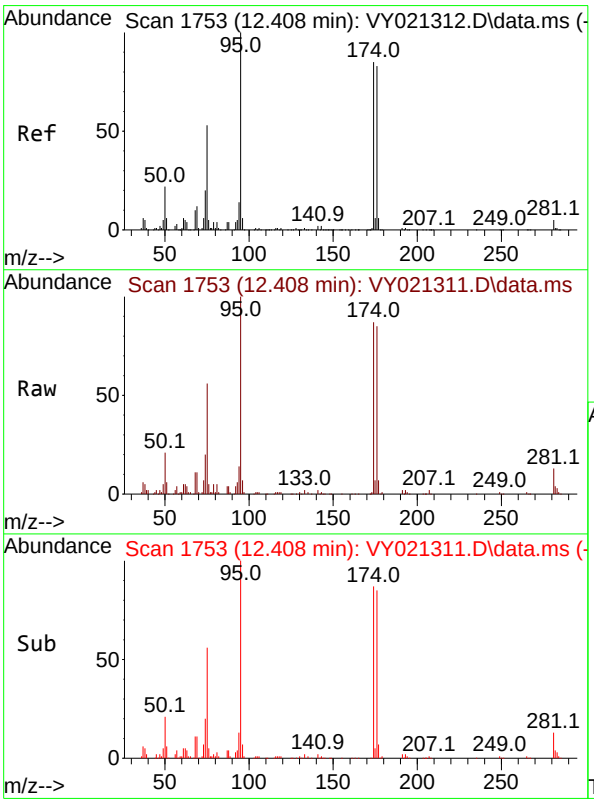
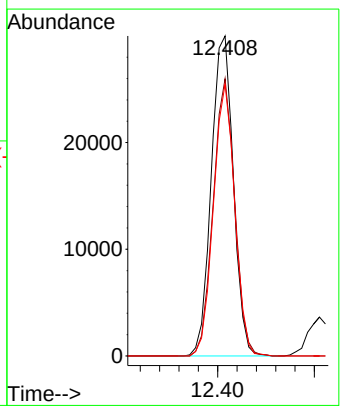
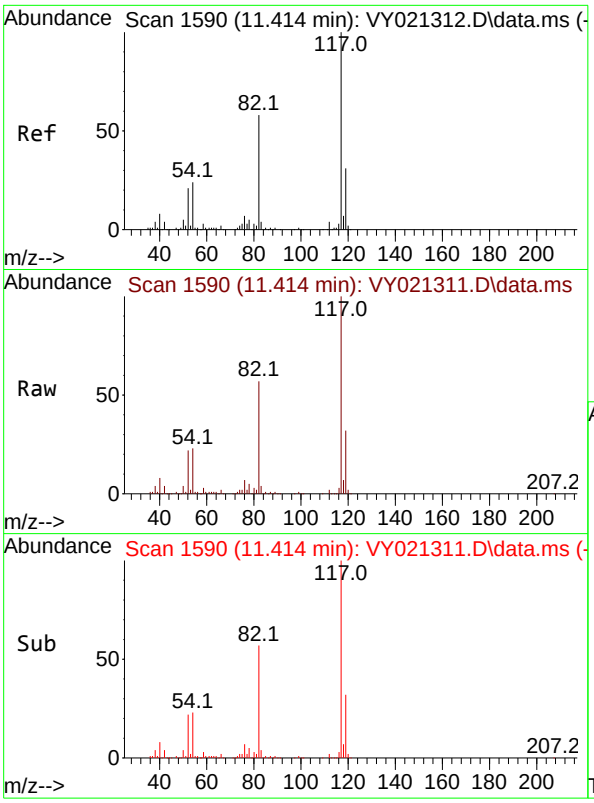



#62
4-Bromofluorobenzene
Concen: 18.950 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 95 Resp: 47417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.5 | 0.0 | 168.0 |
| 176 | 82.0 | 0.0 | 162.6 |

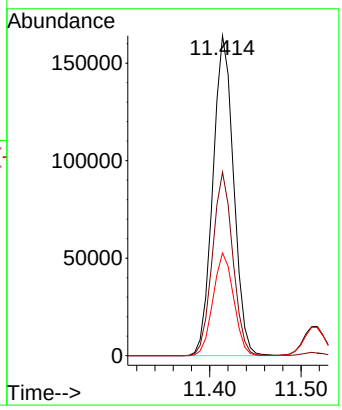





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 25889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.3 | 46.2 | 69.4 |
| 119 | 32.1 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
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VSTDICC020

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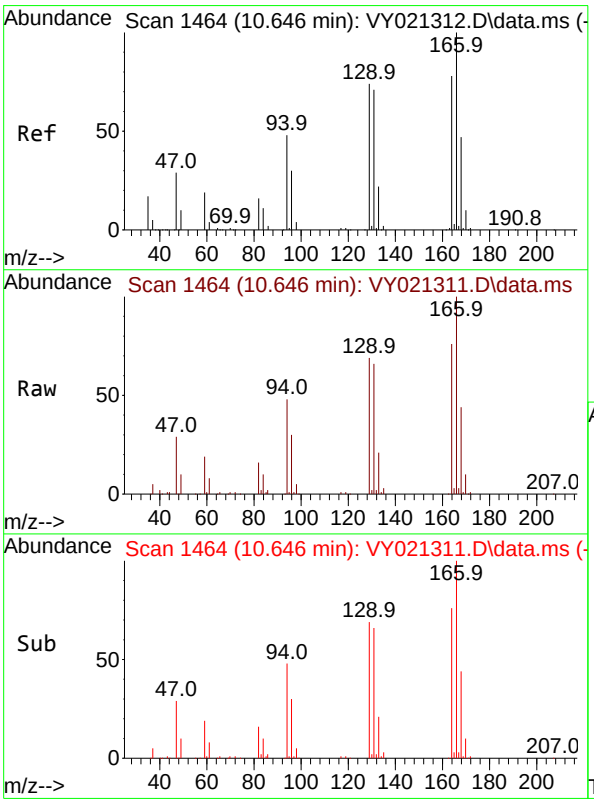
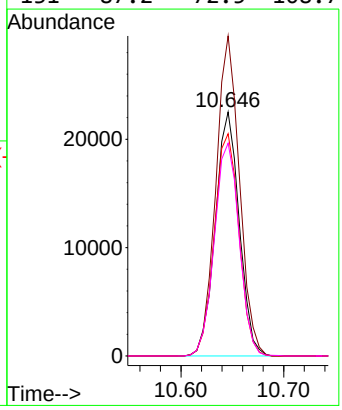
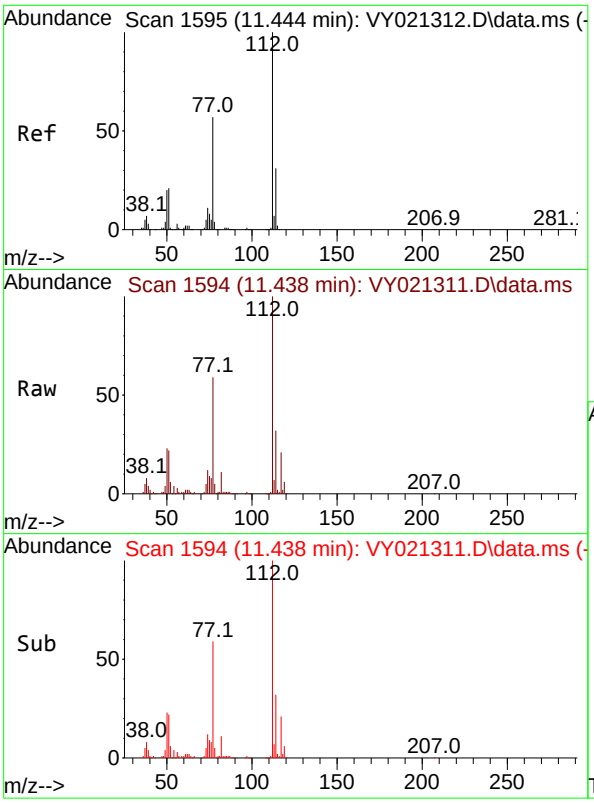



#64
Tetrachloroethene
Concen: 18.595 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:164 Resp: 36387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.1 | 101.9 | 152.9 |
| 129 | 91.1 | 75.5 | 113.3 |
| 131 | 87.2 | 72.5 | 108.7 |

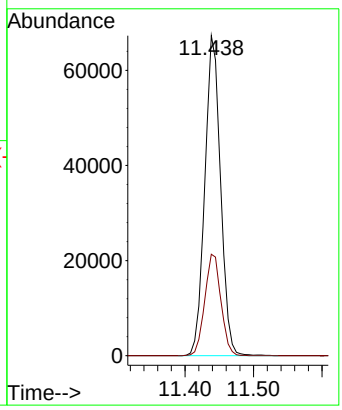





#65
Chlorobenzene
Concen: 18.519 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:112 Resp: 10762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
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VSTDICC020

**Manual Integrations**
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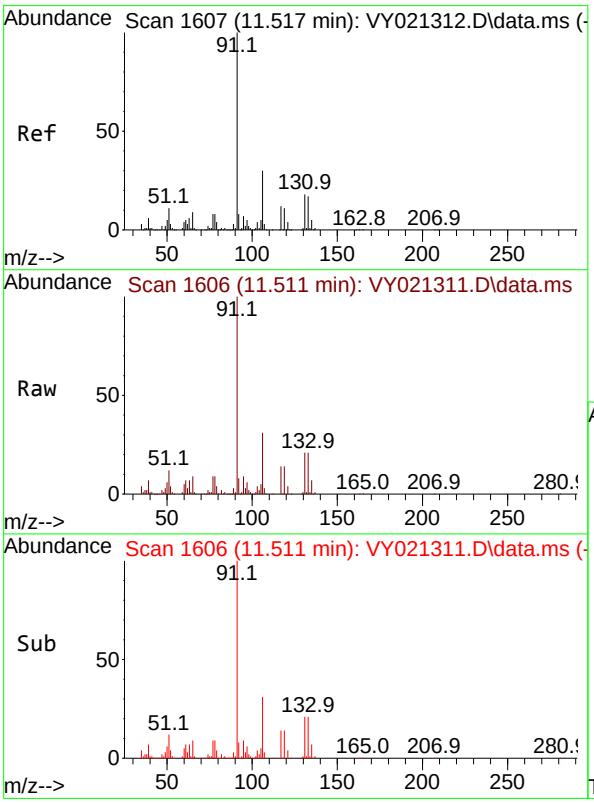
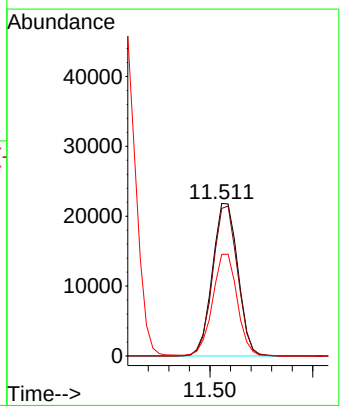
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

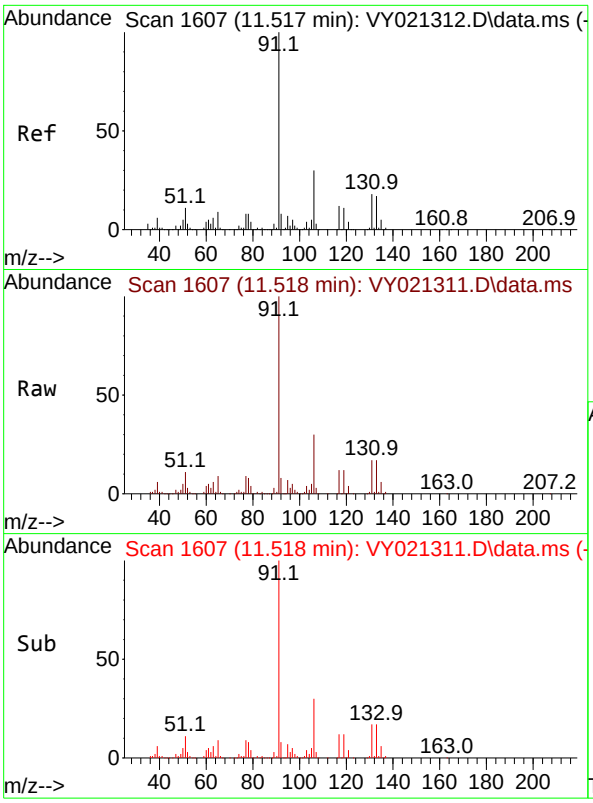



#66
1,1,1,2-Tetrachloroethane
Concen: 18.422 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:131 Resp: 37487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.3 | 47.9 | 143.6 |
| 119 | 65.1 | 31.7 | 95.1 |

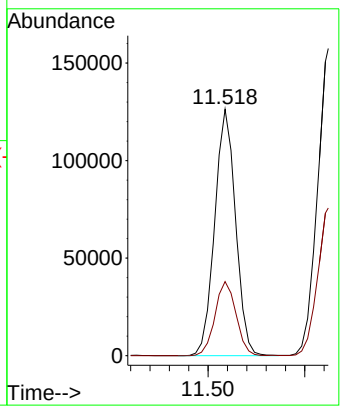





#67
Ethyl Benzene
Concen: 18.366 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 18905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.4 | 36.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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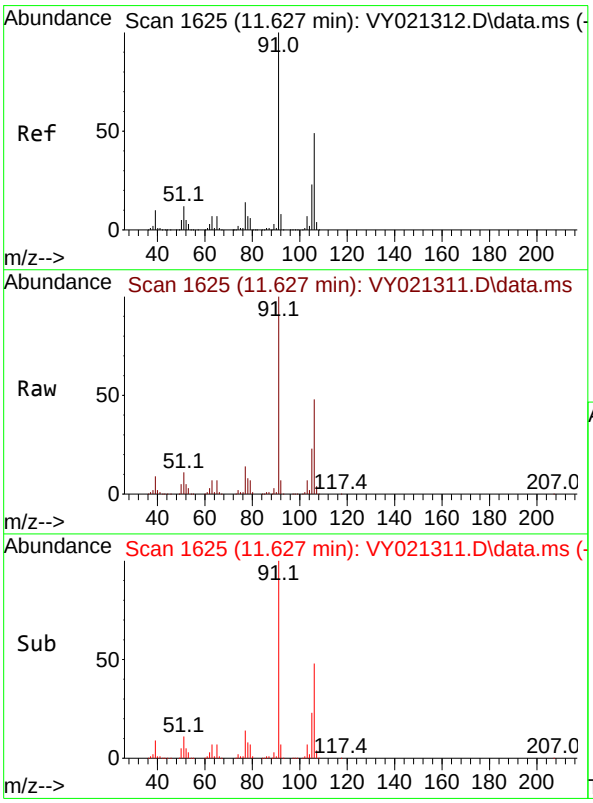
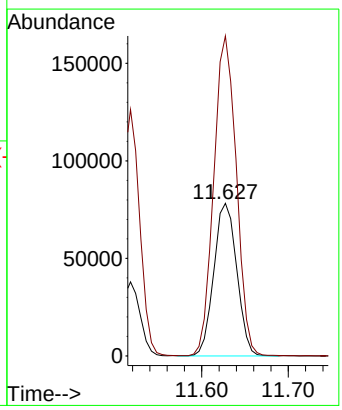
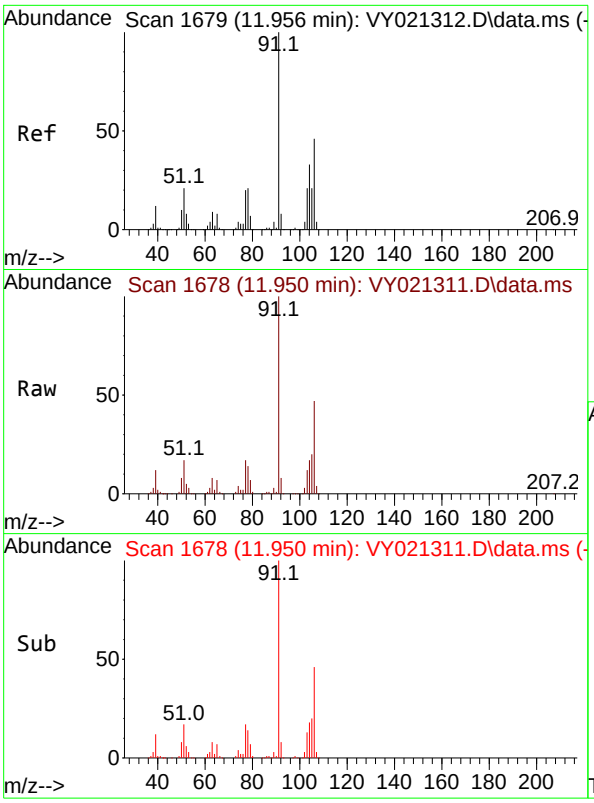



#68
m/p-Xylenes
Concen: 37.210 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 144073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.9 | 163.9 | 245.9 |






#69
o-Xylene
Concen: 18.488 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 6706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.5 | 108.1 | 324.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

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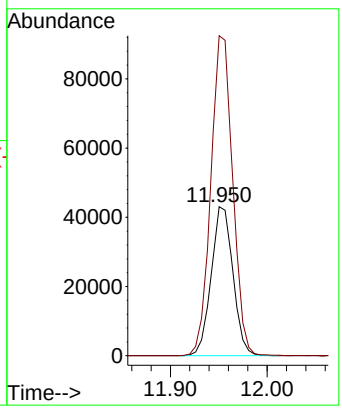
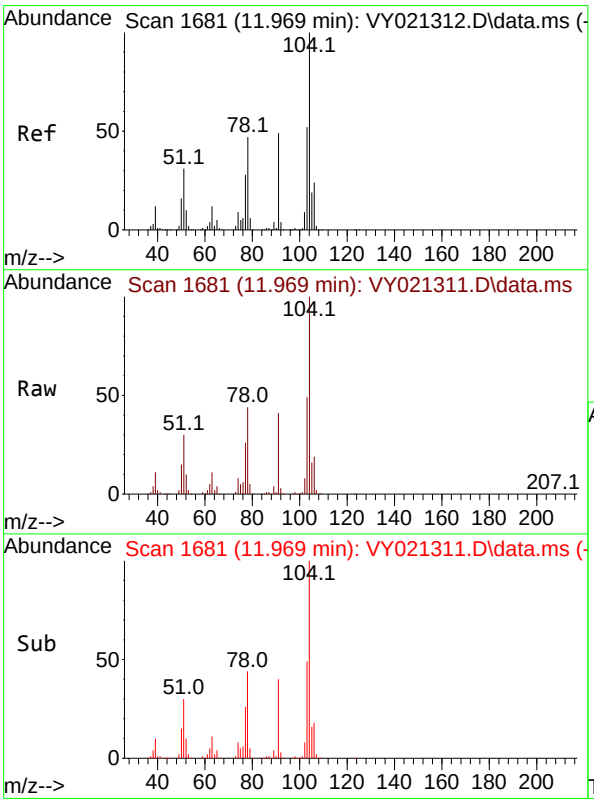
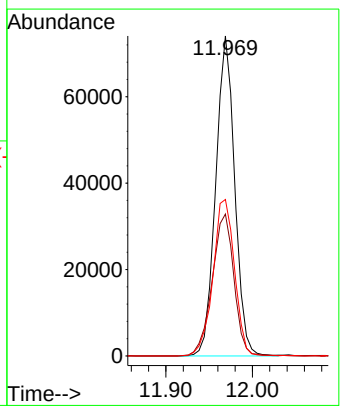


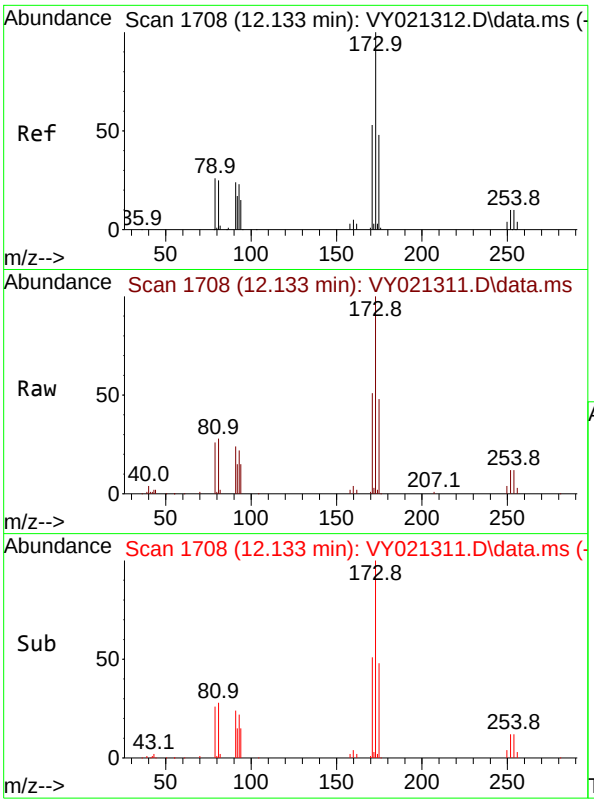




#70
Styrene
Concen: 18.729 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:104 Resp: 113033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.7 | 41.3 | 61.9 |
| 103 | 55.5 | 43.9 | 65.9 |

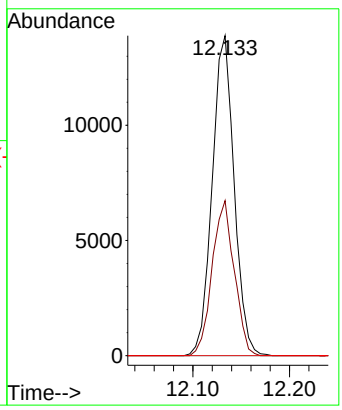





#71
Bromoform
Concen: 18.800 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:173 Resp: 2188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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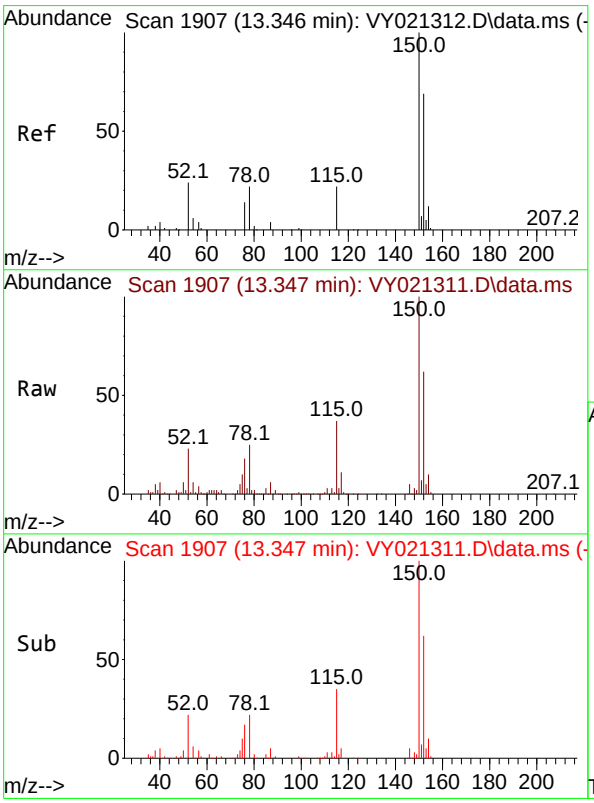
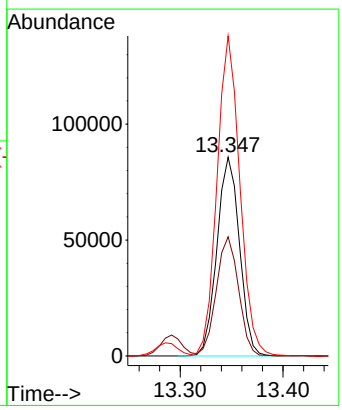
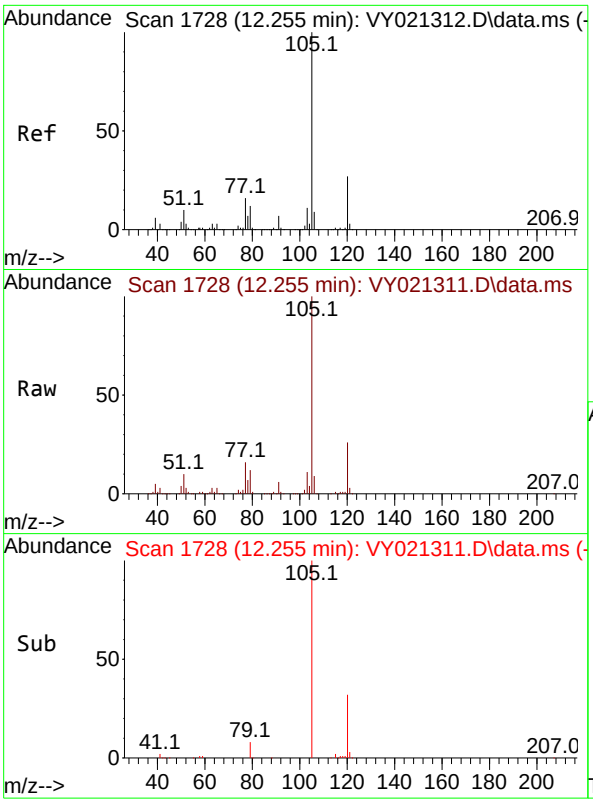



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:152 Resp: 130546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.3 | 29.3 | 88.0 |
| 150 | 163.4 | 0.0 | 347.4 |

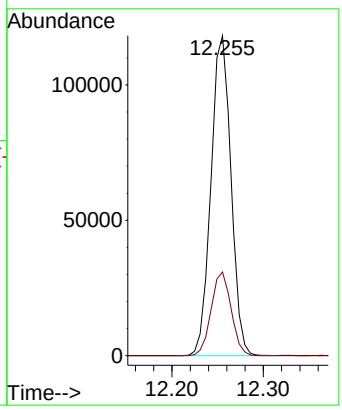





#73
Isopropylbenzene
Concen: 18.288 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 17948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 13.3 | 39.8 |




**Instrument :**
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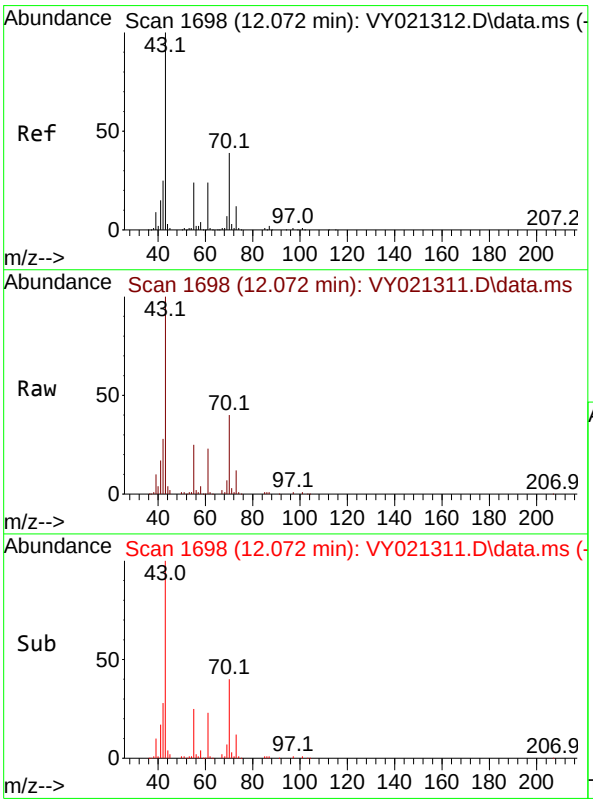
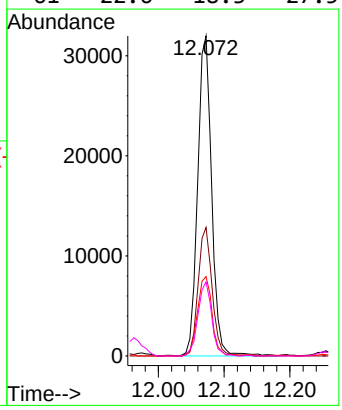
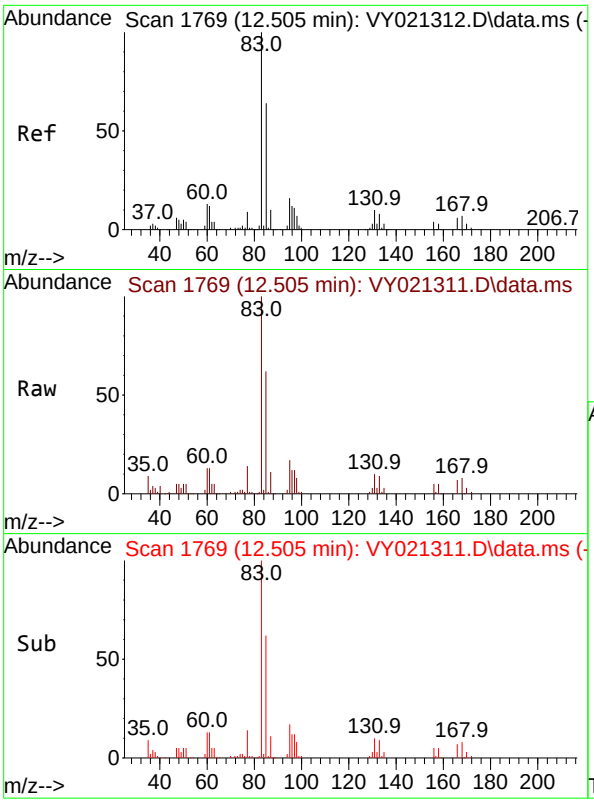



#74
N-amyl acetate
Concen: 18.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 47224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.3 | 32.2 | 48.2 |
| 55 | 25.6 | 19.6 | 29.4 |
| 61 | 22.6 | 18.3 | 27.5 |

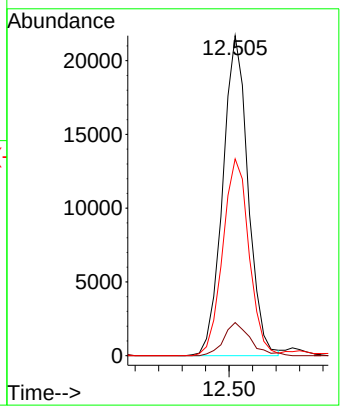





#75
1,1,2,2-Tetrachloroethane
Concen: 18.717 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 3241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 5.2 | 15.6 |
| 85 | 63.8 | 32.0 | 96.0 |




**Instrument :**
MSVOA_Y
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VSTDICC020

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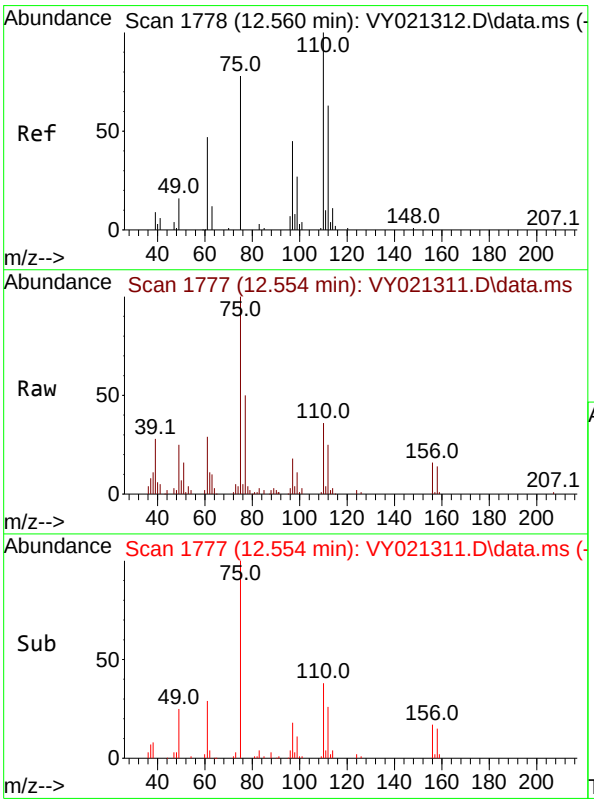
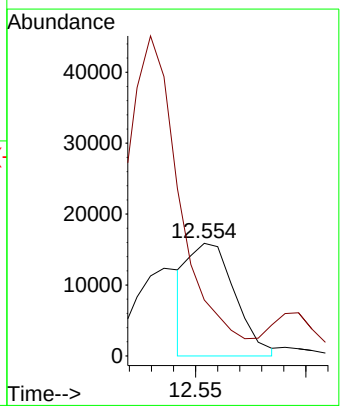
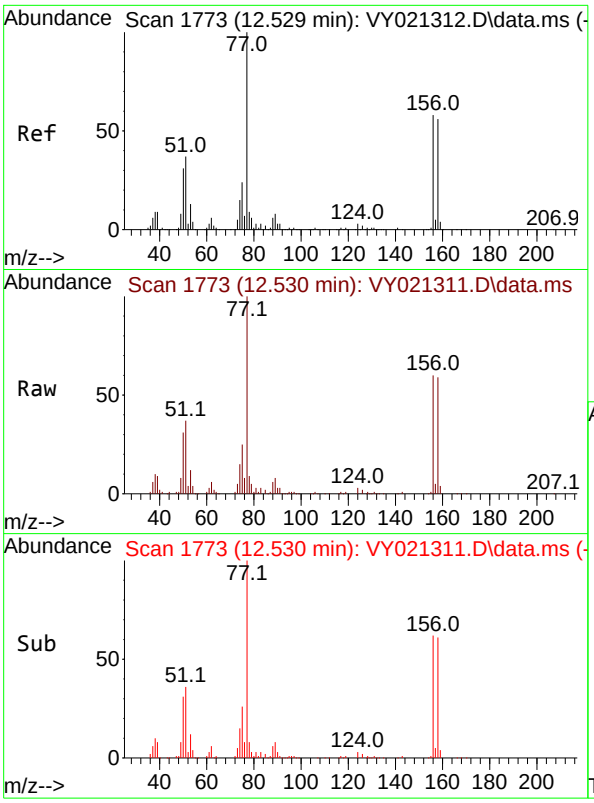



#76
1,2,3-Trichloropropane
Concen: 17.801 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 23402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

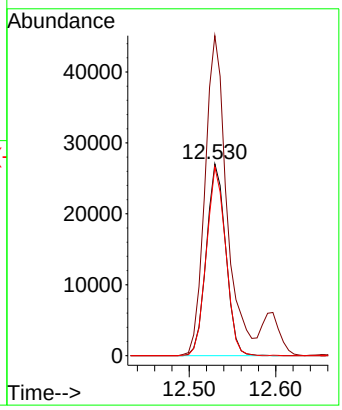





#77
Bromobenzene
Concen: 18.433 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:156 Resp: 4207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.1 | 94.0 | 282.1 |
| 158 | 97.9 | 48.7 | 146.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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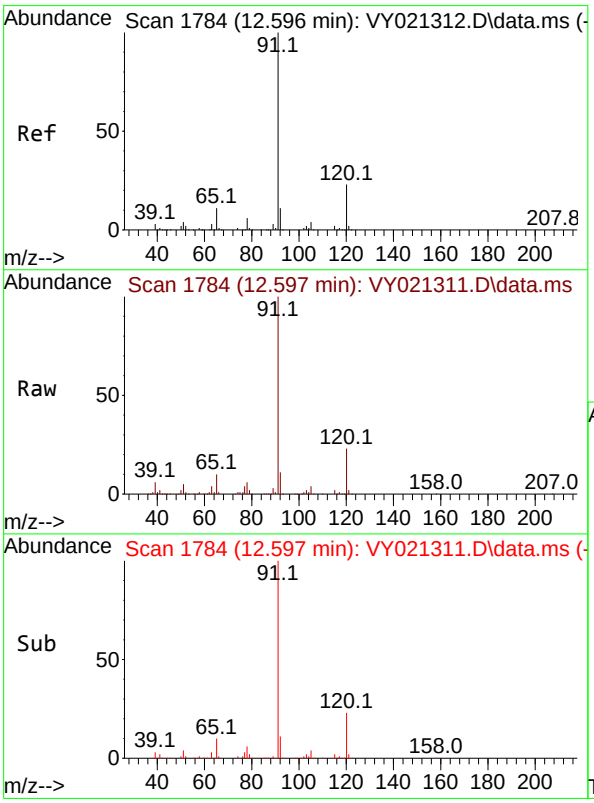
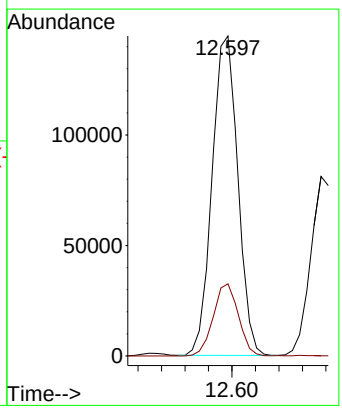
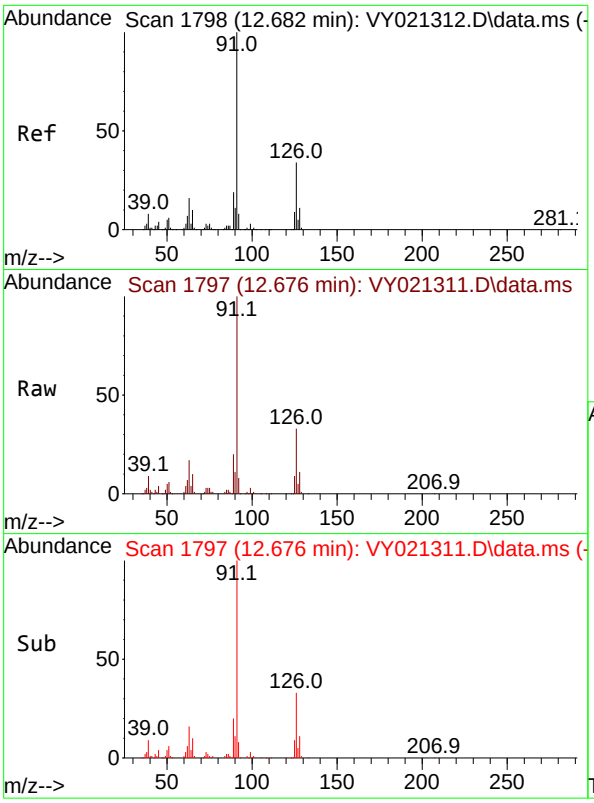



#78
n-propylbenzene
Concen: 18.486 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 220158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.2 | 33.5 |

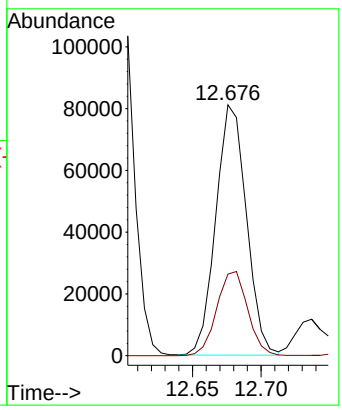





#79
2-Chlorotoluene
Concen: 18.430 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 12596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.9 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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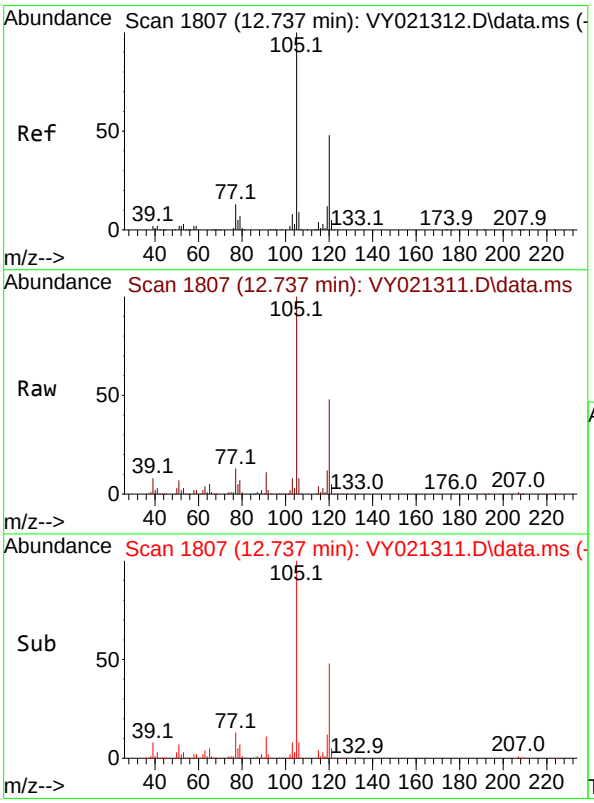
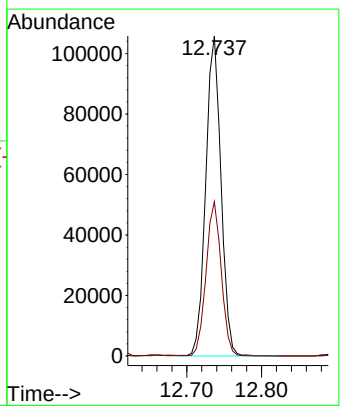
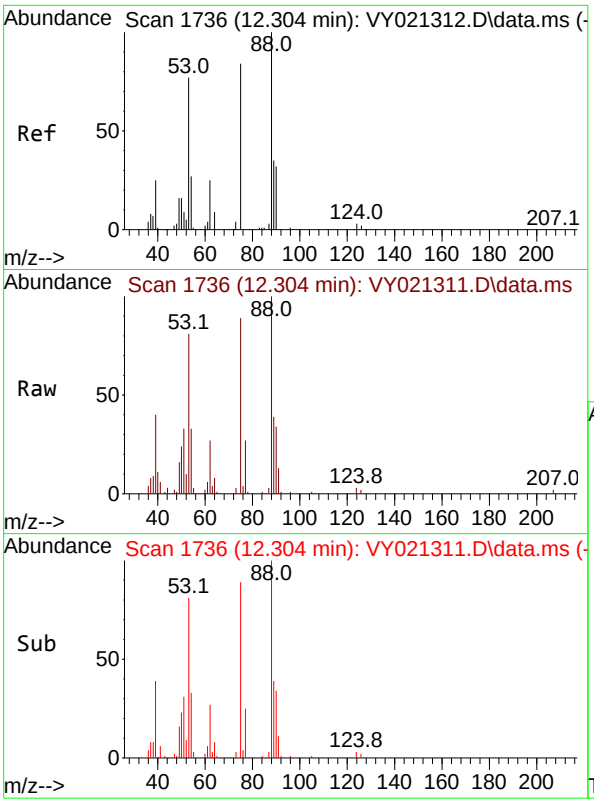



#80
1,3,5-Trimethylbenzene
Concen: 18.635 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 150004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.1 | 24.3 | 73.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 18.483 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 1086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 100.2 | 79.1 | 118.7 |
| 89 | 44.9 | 35.6 | 53.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

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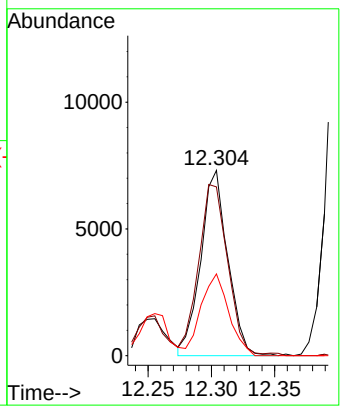
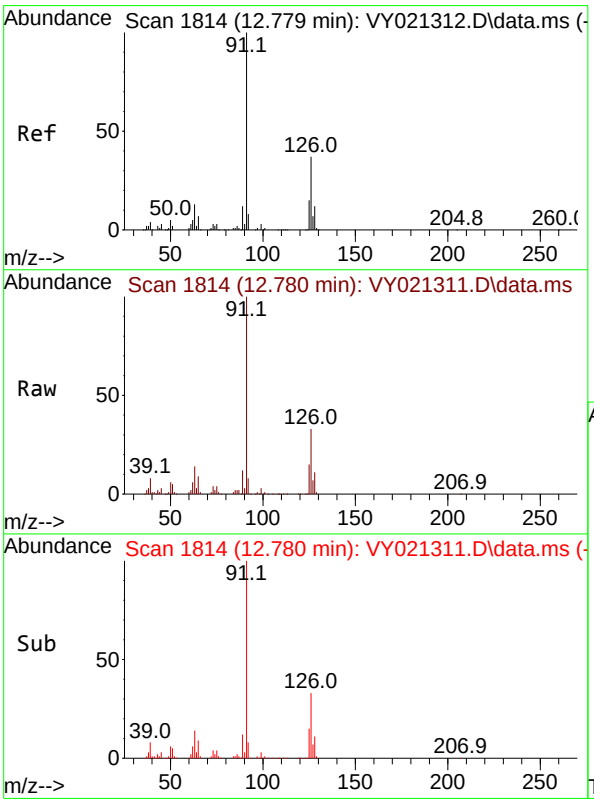
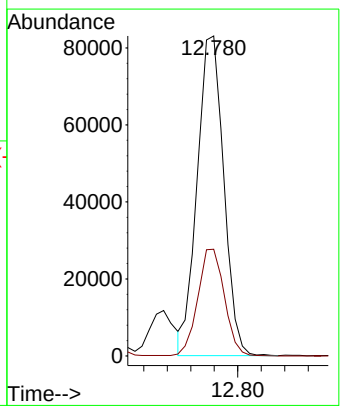


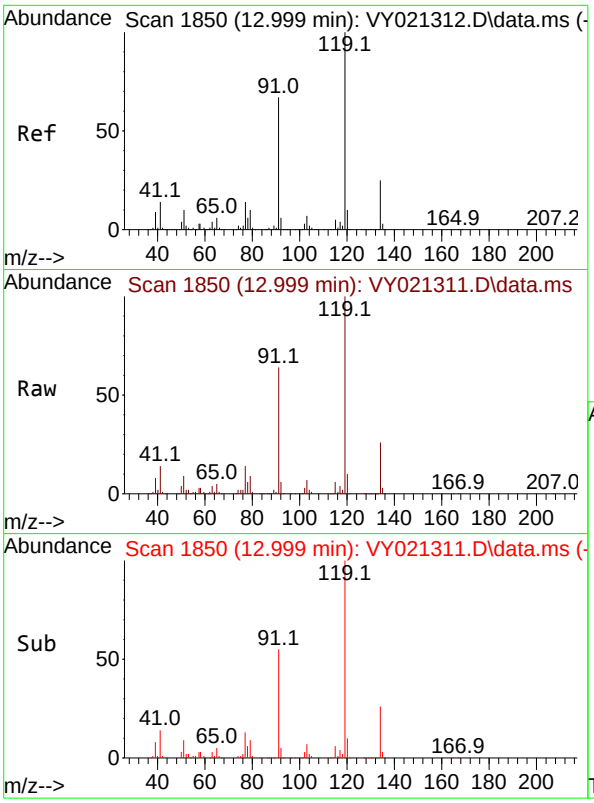




#82
4-Chlorotoluene
Concen: 18.396 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 130335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.8 | 50.4 |

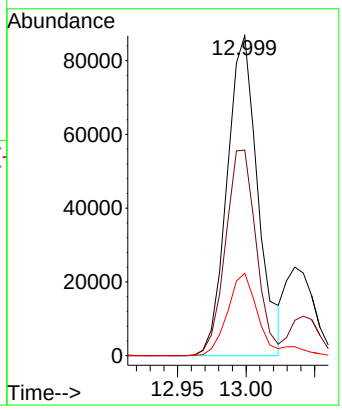





#83
tert-Butylbenzene
Concen: 18.681 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 13582

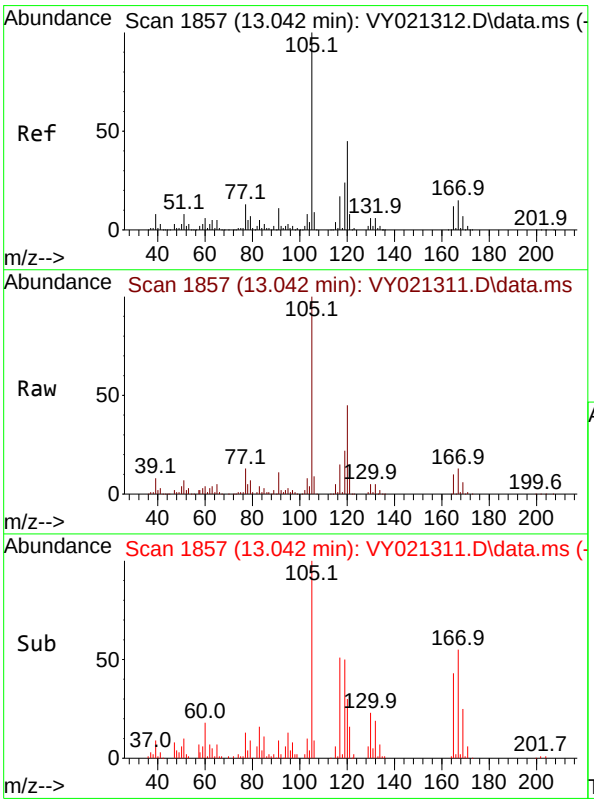
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.0 | 32.7 | 98.1 |
| 134 | 26.8 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

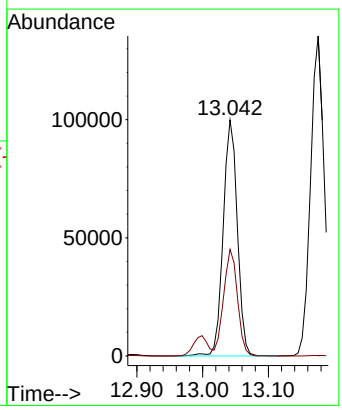
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

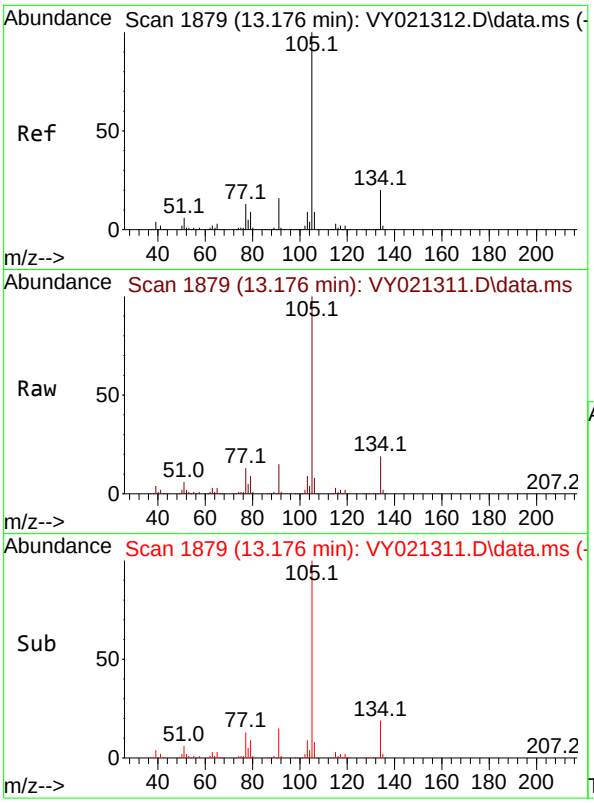



#84
1,2,4-Trimethylbenzene
Concen: 18.657 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 149358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.4 | 67.3 |

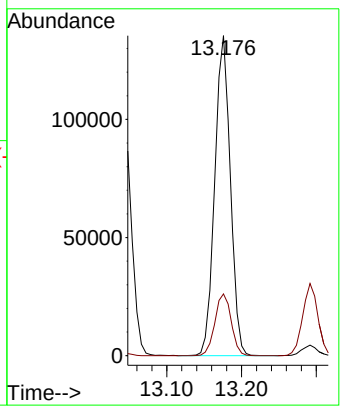





#85
sec-Butylbenzene
Concen: 18.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 19633

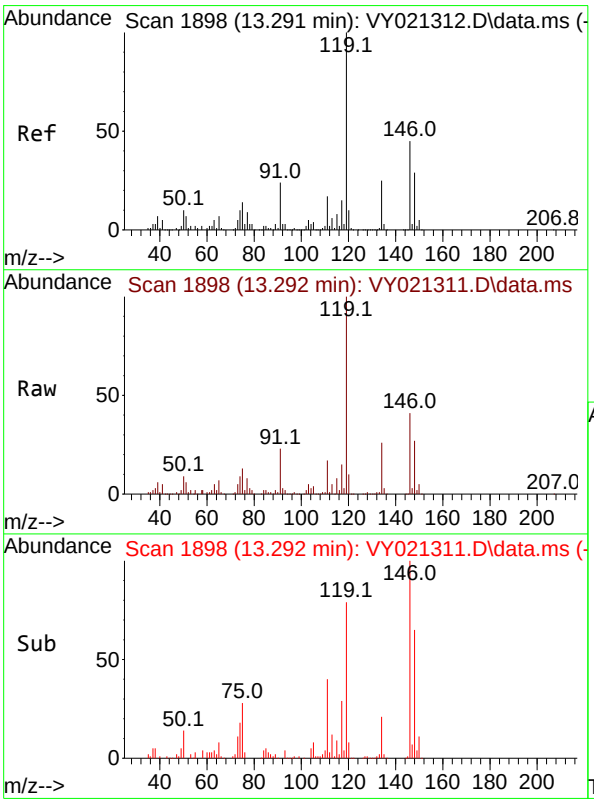
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

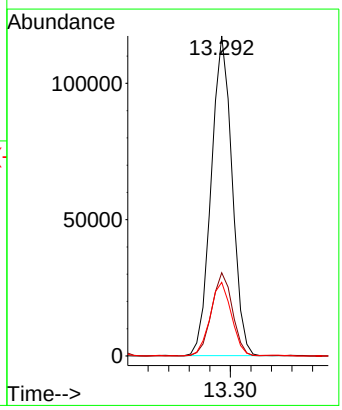
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

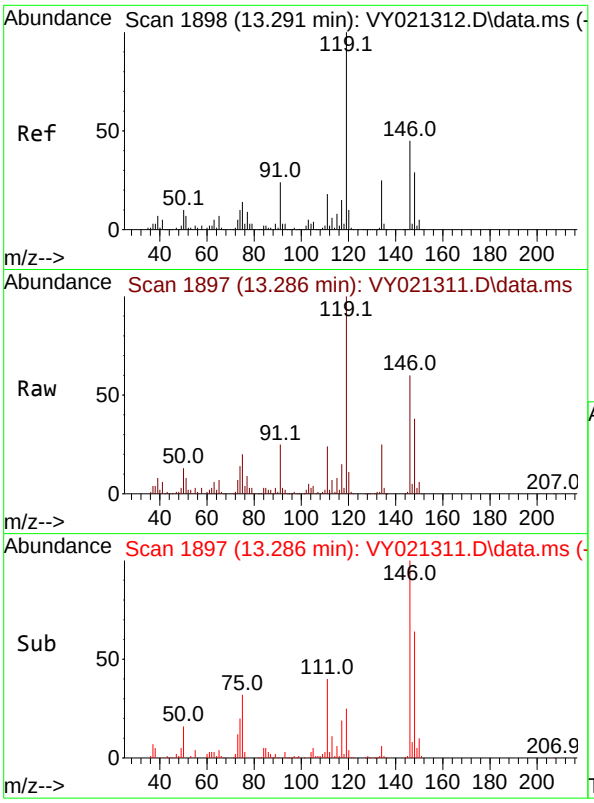



#86
p-Isopropyltoluene
Concen: 18.620 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 165127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 13.0 | 38.9 |
| 91 | 23.5 | 12.0 | 36.1 |

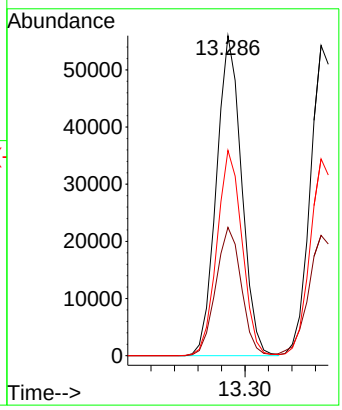





#87
1,3-Dichlorobenzene
Concen: 18.483 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 8346

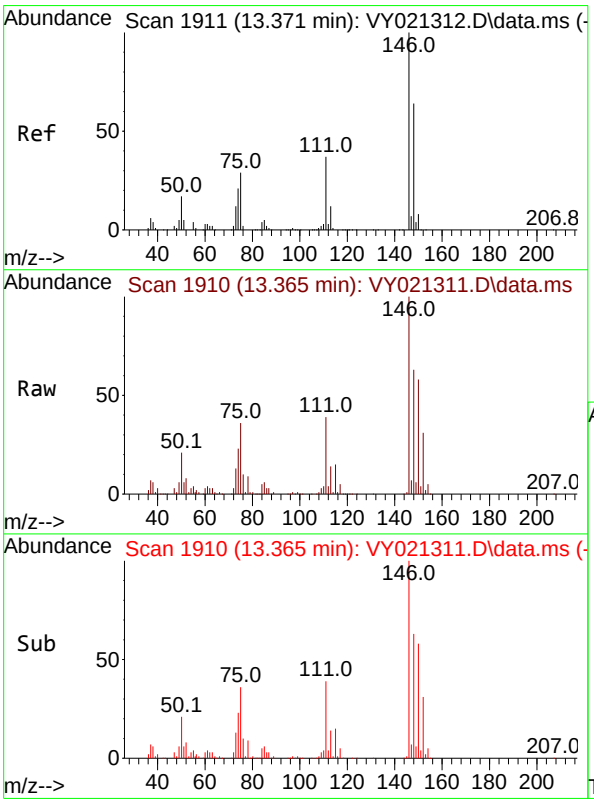
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.0 | 59.9 |
| 148 | 64.0 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

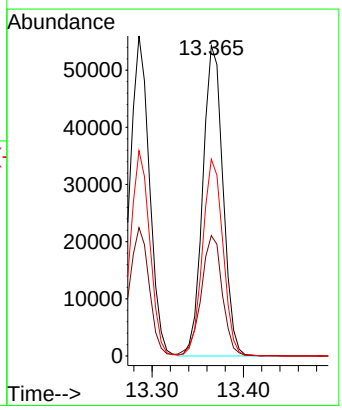
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

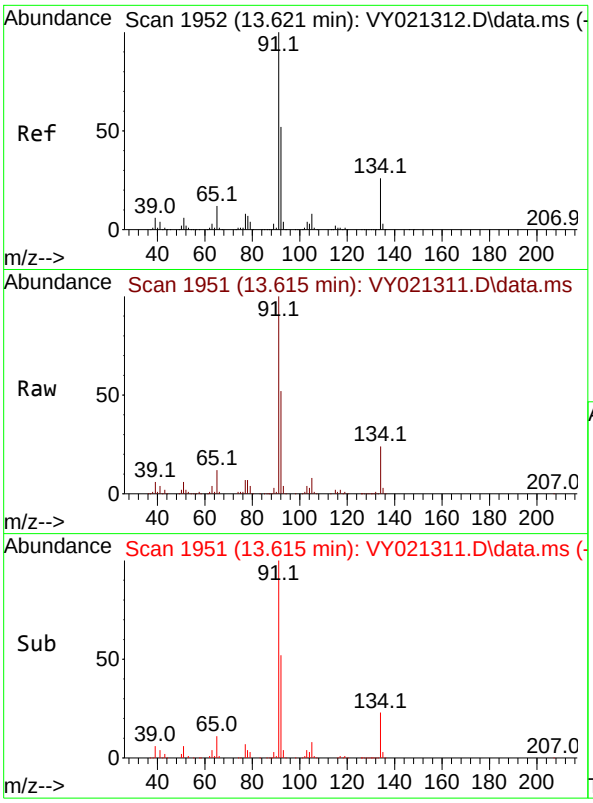



#88
1,4-Dichlorobenzene
Concen: 18.646 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 83179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 19.5 | 58.5 |
| 148 | 63.9 | 32.0 | 96.2 |

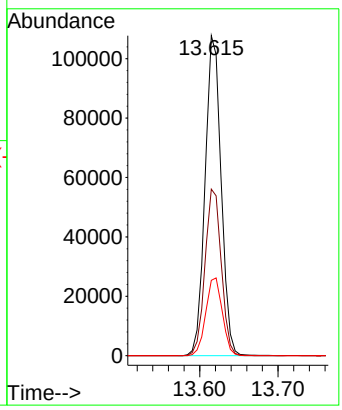





#89
n-Butylbenzene
Concen: 18.337 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 15303

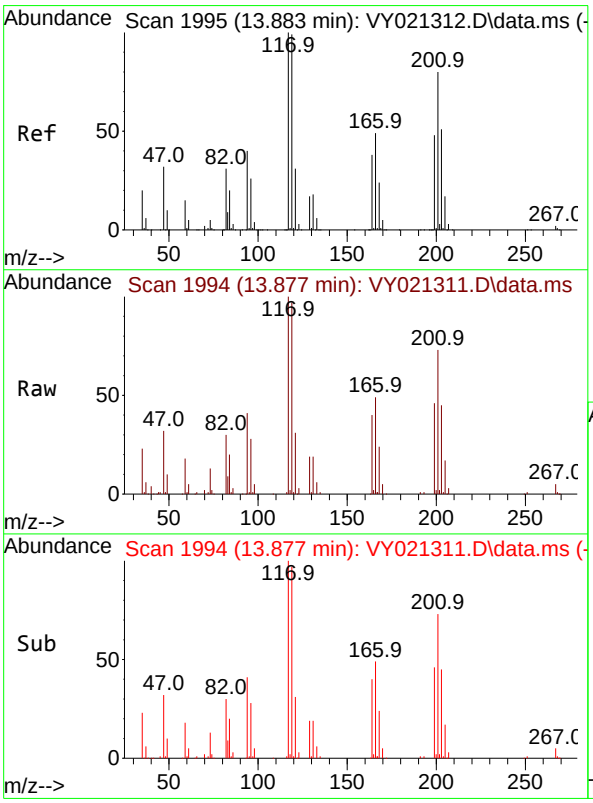
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 26.4 | 79.2 |
| 134 | 25.0 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

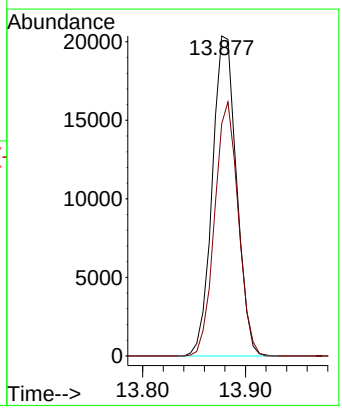
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

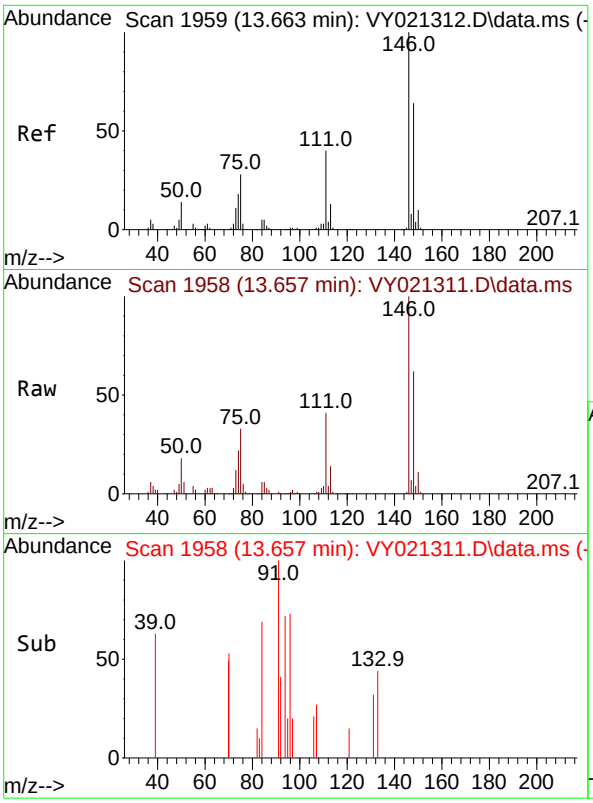



#90
Hexachloroethane
Concen: 17.998 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 33341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 77.3 | 38.4 | 115.2 |

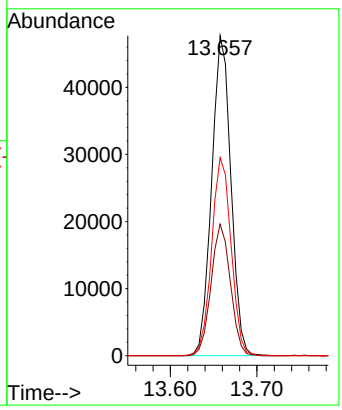





#91
1,2-Dichlorobenzene
Concen: 18.581 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 7351

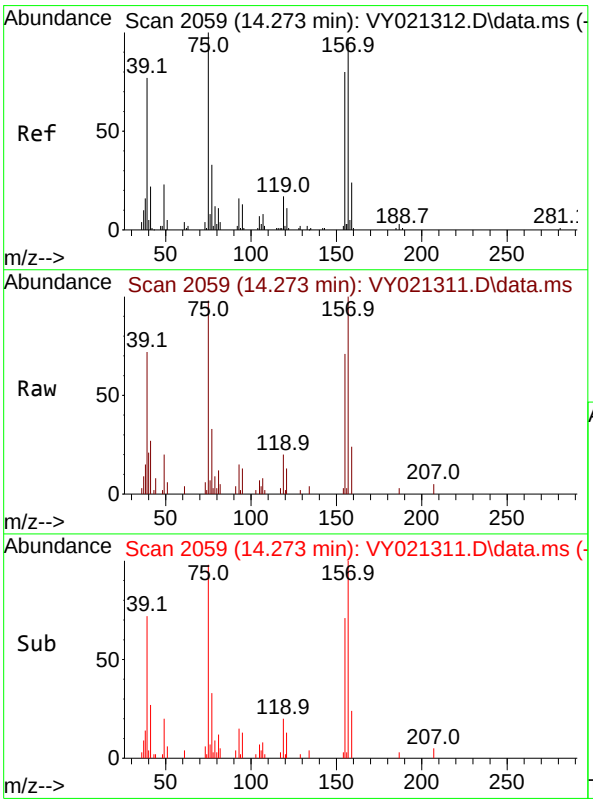
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.7 | 62.1 |
| 148 | 62.8 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

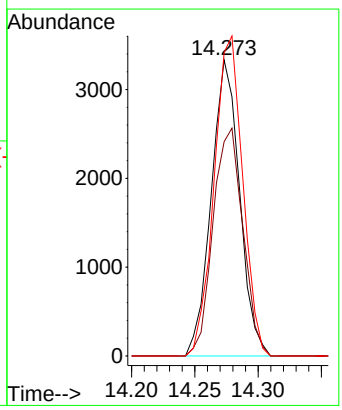
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

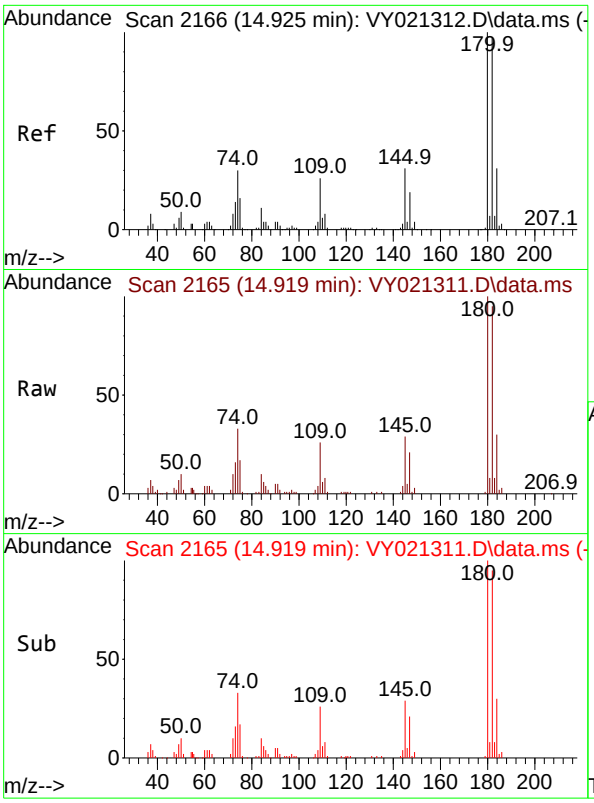



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.908 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.2 | 41.9 | 125.6 |
| 157 | 109.0 | 52.5 | 157.6 |

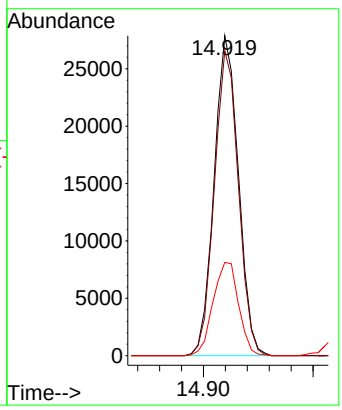





#93
1,2,4-Trichlorobenzene
Concen: 17.770 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 4290

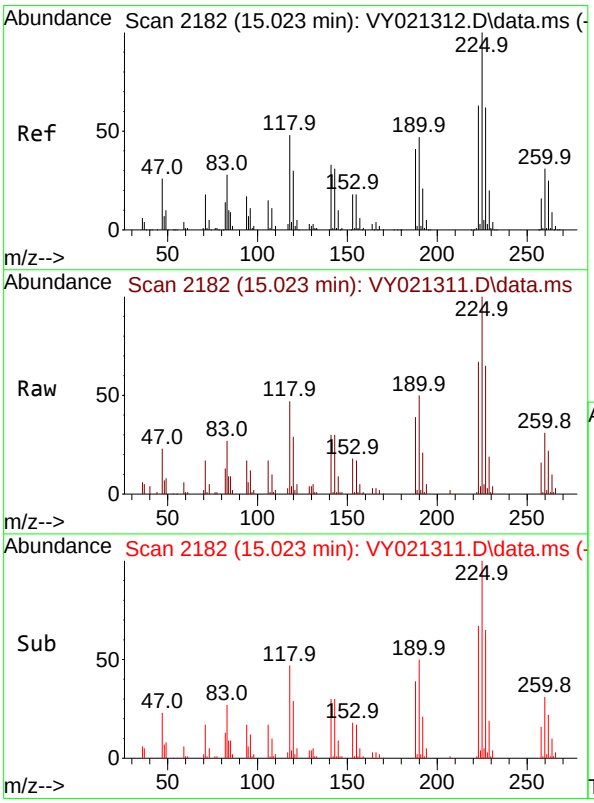
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 47.9 | 143.7 |
| 145 | 30.7 | 15.6 | 46.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

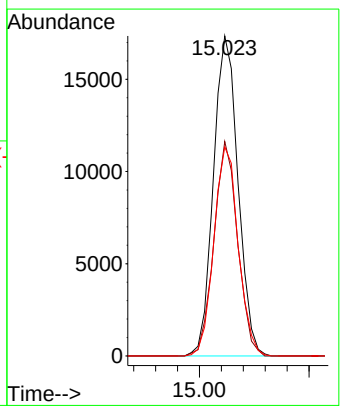
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

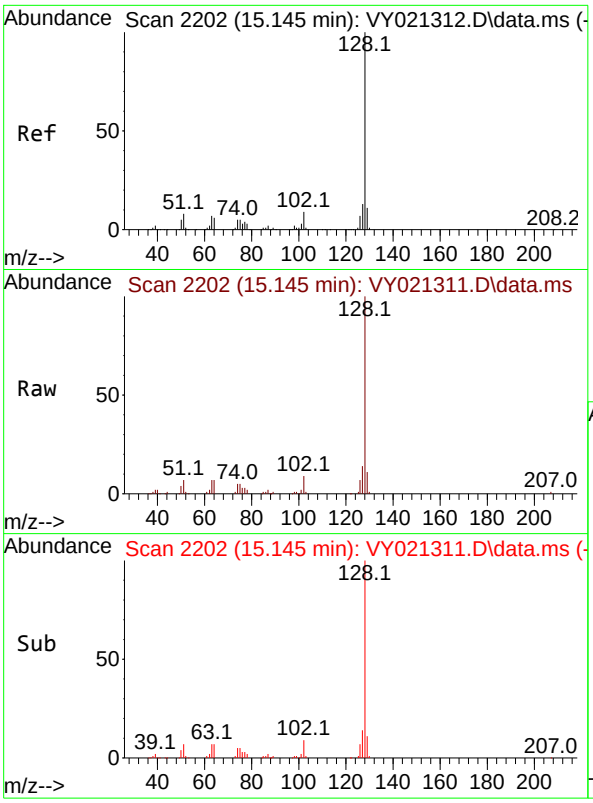



#94
Hexachlorobutadiene
Concen: 17.771 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:225 Resp: 27015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.5 | 31.8 | 95.4 |
| 227 | 64.7 | 31.9 | 95.7 |

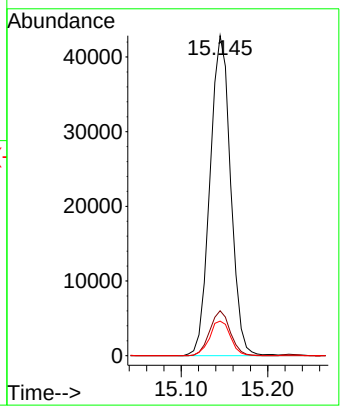





#95
Naphthalene
Concen: 17.763 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:128 Resp: 7104

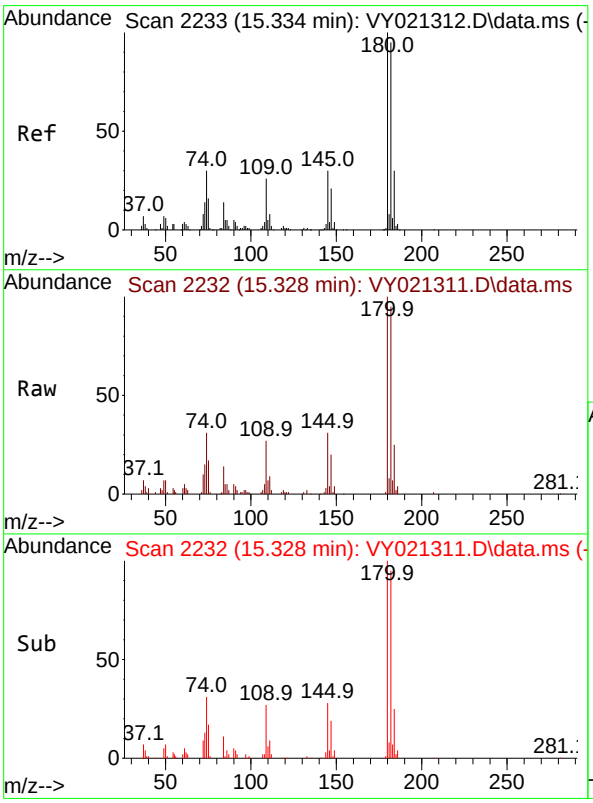
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.9 | 10.5 | 15.7 |
| 129 | 10.9 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

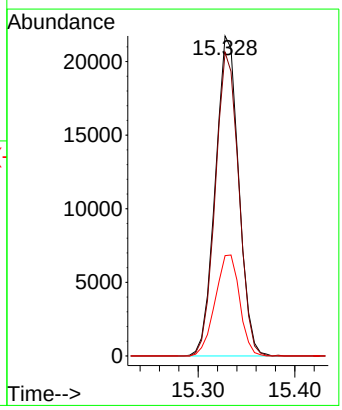
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 17.871 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 36460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 48.3 | 144.9 |
| 145 | 32.9 | 16.1 | 48.3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 175365 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 272563 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 239724 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 121718 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 96694 | 48.606 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 97.220% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 88513 | 49.533 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 99.060% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 340929 | 49.367 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 98.740% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 115401 | 49.652 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 99.300% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 86387 | 51.957 | ug/l | 100 |
| 3) Chloromethane | 2.068 | 50 | 105626 | 49.191 | ug/l | 100 |
| 4) Vinyl Chloride | 2.202 | 62 | 109961 | 52.173 | ug/l | 100 |
| 5) Bromomethane | 2.592 | 94 | 67780 | 48.395 | ug/l | 100 |
| 6) Chloroethane | 2.732 | 64 | 68323 | 52.276 | ug/l | 100 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 164215 | 51.592 | ug/l | 100 |
| 8) Diethyl Ether | 3.452 | 74 | 50185 | 52.532 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 94197 | 51.116 | ug/l | 100 |
| 10) Methyl Iodide | 4.007 | 142 | 111673 | 57.600 | ug/l | 100 |
| 11) Tert butyl alcohol | 4.854 | 59 | 35300 | 230.691 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 90388 | 51.226 | ug/l | 100 |
| 13) Acrolein | 3.647 | 56 | 5860 | 49.975 | ug/l | 100 |
| 14) Allyl chloride | 4.385 | 41 | 162419 | 51.918 | ug/l | 100 |
| 15) Acrylonitrile | 5.055 | 53 | 111677 | 264.397 | ug/l | 100 |
| 16) Acetone | 3.866 | 43 | 111923 | 293.294 | ug/l | 100 |
| 17) Carbon Disulfide | 4.104 | 76 | 304042 | 51.892 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 48368 | 51.864 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 247280 | 53.043 | ug/l | 100 |
| 20) Methylene Chloride | 4.610 | 84 | 102592 | 49.716 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 100568 | 51.774 | ug/l | 100 |
| 22) Diisopropyl ether | 6.012 | 45 | 343920 | 53.126 | ug/l | 100 |
| 23) Vinyl Acetate | 5.957 | 43 | 1041767 | 269.294 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 189943 | 52.057 | ug/l | 100 |
| 25) 2-Butanone | 6.890 | 43 | 160248 | 278.240 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 170469 | 51.489 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.884 | 96 | 116627 | 52.579 | ug/l | 100 |
| 28) Bromochloromethane | 7.244 | 49 | 79678 | 49.352 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.256 | 42 | 100417 | 266.741 | ug/l | 100 |
| 30) Chloroform | 7.421 | 83 | 191980 | 51.925 | ug/l | 100 |
| 31) Cyclohexane | 7.701 | 56 | 173460 | 49.456 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 172880 | 51.372 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 140574 | 52.371 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 70184 | 52.565 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 158319 | 52.465 | ug/l | 100 |
| 39) Methylcyclohexane | 9.109 | 83 | 180496 | 53.165 | ug/l | 100 |
| 40) Benzene | 8.079 | 78 | 417798 | 52.655 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 39965 | 53.535 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 118176 | 52.494 | ug/l | 100 |
| 43) Isopropyl Acetate | 8.195 | 43 | 139829 | 54.106 | ug/l | 100 |
| 44) Trichloroethene | 8.865 | 130 | 104074 | 52.389 | ug/l | 100 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 101166 | 52.980 | ug/l | 100 |
| 46) Dibromomethane | 9.231 | 93 | 55365 | 53.043 | ug/l | 100 |
| 47) Bromodichloromethane | 9.420 | 83 | 147382 | 52.957 | ug/l | 100 |
| 48) Methyl methacrylate | 9.219 | 41 | 67406 | 55.775 | ug/l | 100 |
| 49) 1,4-Dioxane | 9.231 | 88 | 12193 | 1050.591 | ug/l | 100 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 364446 | 275.485 | ug/l | 100 |
| 52) Toluene | 10.170 | 92 | 263062 | 53.367 | ug/l | 100 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 140399 | 55.062 | ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 161021 | 53.492 | ug/l | 100 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 72720 | 53.481 | ug/l | 100 |
| 56) Ethyl methacrylate | 10.438 | 69 | 106914 | 56.904 | ug/l | 100 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 127795 | 53.559 | ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 260718 | 289.104 | ug/l | 100 |
| 59) 2-Hexanone | 10.761 | 43 | 249578 | 287.258 | ug/l | 100 |
| 60) Dibromochloromethane | 10.908 | 129 | 100250 | 54.134 | ug/l | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 69236 | 53.783 | ug/l | 100 |
| 64) Tetrachloroethene | 10.646 | 164 | 93317 | 51.501 | ug/l | 100 |
| 65) Chlorobenzene | 11.444 | 112 | 281918 | 52.390 | ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 99131 | 52.611 | ug/l | 100 |
| 67) Ethyl Benzene | 11.517 | 91 | 510639 | 53.573 | ug/l | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 384346 | 107.204 | ug/l | 100 |
| 69) o-Xylene | 11.956 | 106 | 181728 | 54.108 | ug/l | 100 |
| 70) Styrene | 11.969 | 104 | 306007 | 54.760 | ug/l | 100 |
| 71) Bromoform | 12.133 | 173 | 58860 | 54.605 | ug/l | 100 |
| 73) Isopropylbenzene | 12.255 | 105 | 483937 | 52.885 | ug/l | 100 |
| 74) N-amyl acetate | 12.072 | 43 | 129020 | 55.471 | ug/l | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 84893 | 52.566 | ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 63683m | 51.954 | ug/l | |
| 77) Bromobenzene | 12.529 | 156 | 110538 | 51.935 | ug/l | 100 |
| 78) n-propylbenzene | 12.596 | 91 | 587915 | 52.946 | ug/l | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 330472 | 51.857 | ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 395609 | 52.712 | ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 29649 | 54.090 | ug/l | 100 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 342611 | 51.864 | ug/l | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 352055 | 51.930 | ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 395315 | 52.962 | ug/l | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 518094 | 52.319 | ug/l | 100 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 437283 | 52.884 | ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 218136 | 51.811 | ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 213090 | 51.233 | ug/l | 100 |
| 89) n-Butylbenzene | 13.621 | 91 | 416377 | 53.510 | ug/l | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 87765 | 50.814 | ug/l | 100 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 191758 | 51.985 | ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 13782 | 53.947 | ug/l | 100 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 117882 | 52.360 | ug/l | 100 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 71915 | 50.738 | ug/l | 100 |
| 95) Naphthalene | 15.145 | 128 | 209478 | 56.174 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 100312 | 52.735 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

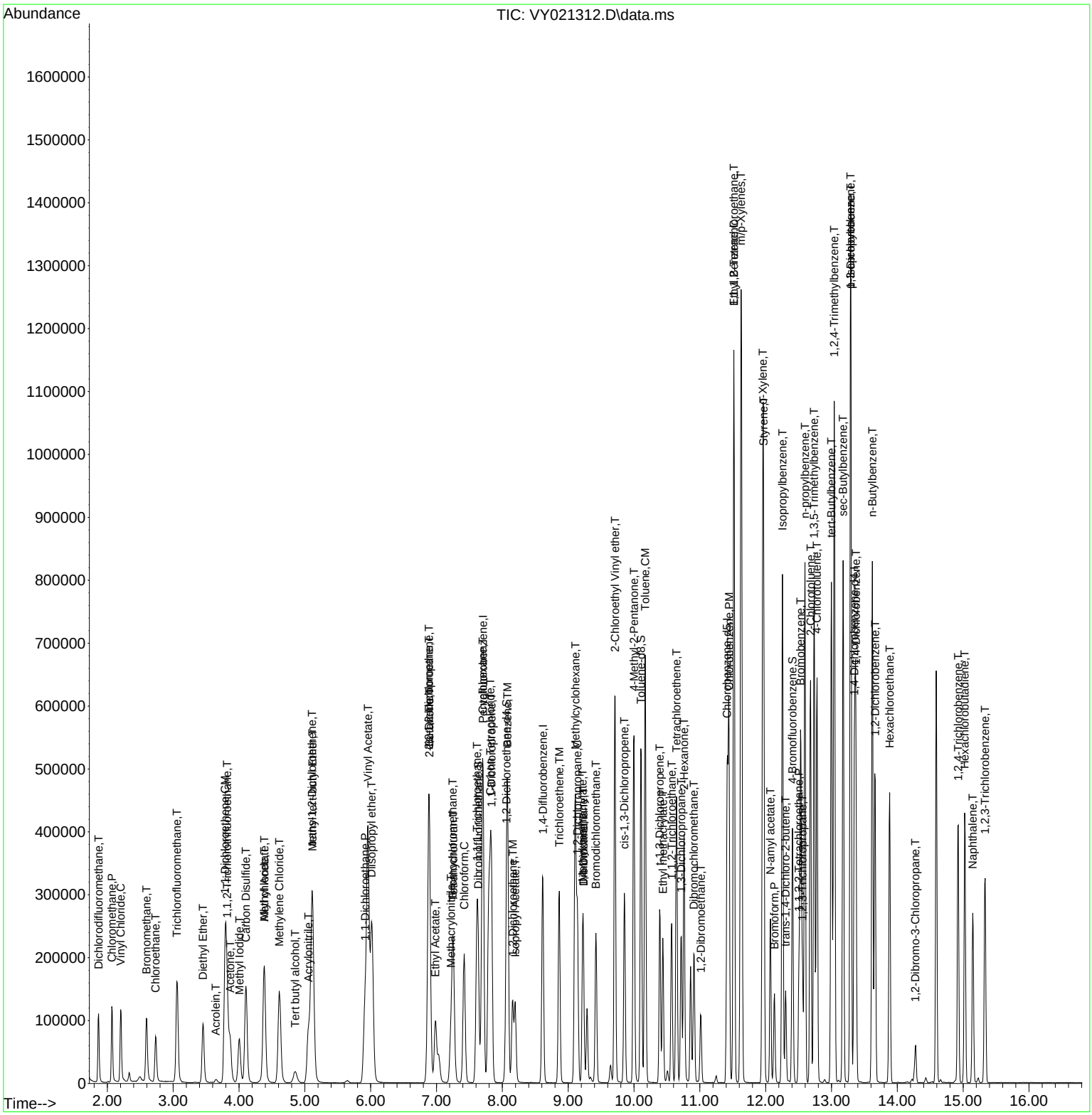
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

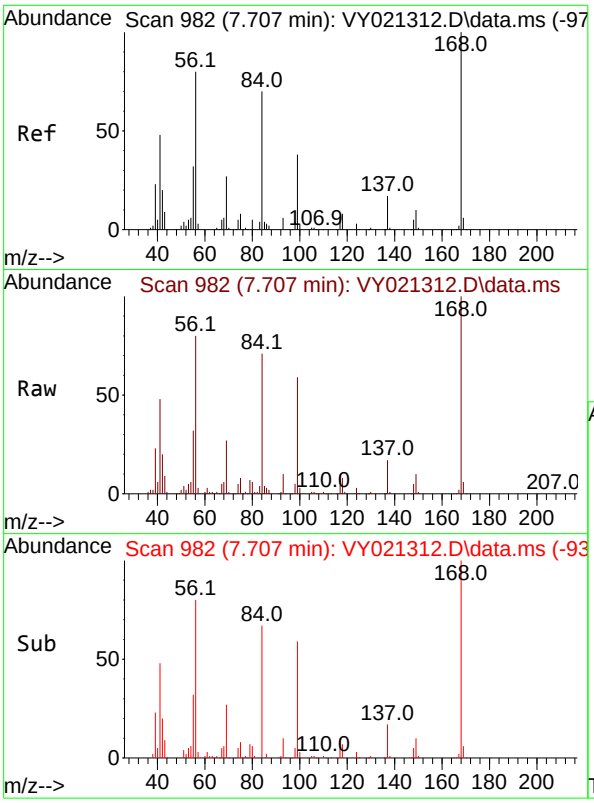
Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

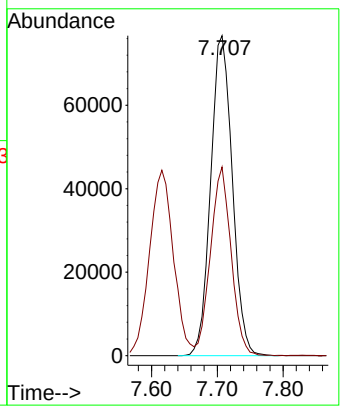





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:168 Resp: 17536

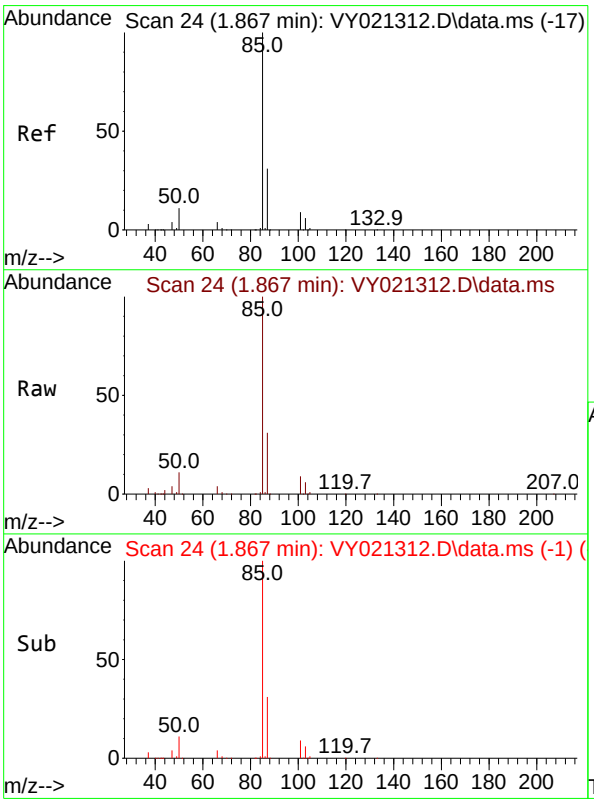
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.9 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

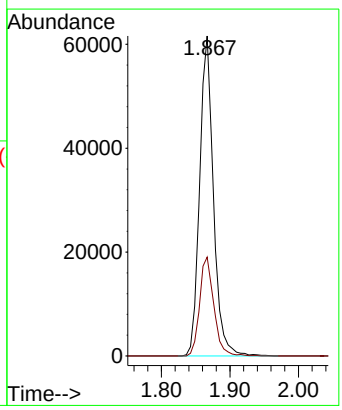
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

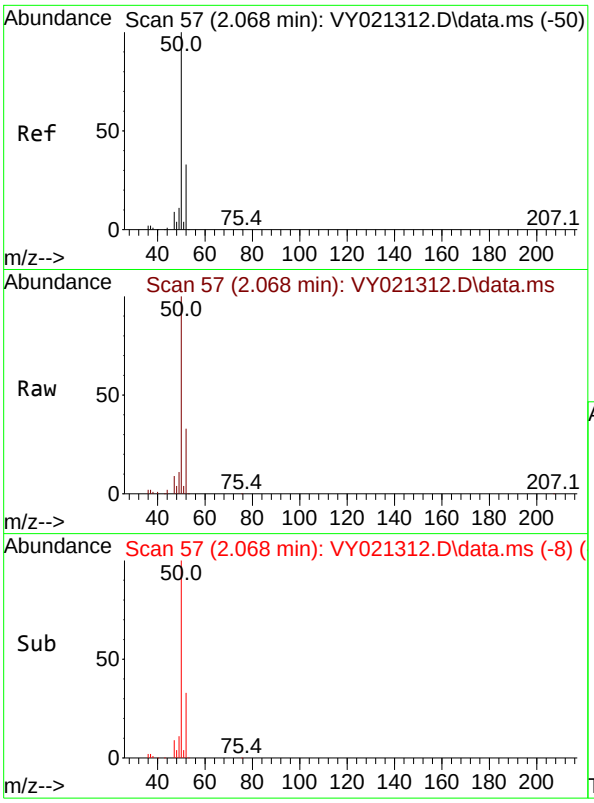



#2
Dichlorodifluoromethane
Concen: 51.957 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 85 Resp: 86387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.9 | 15.4 | 46.4 |

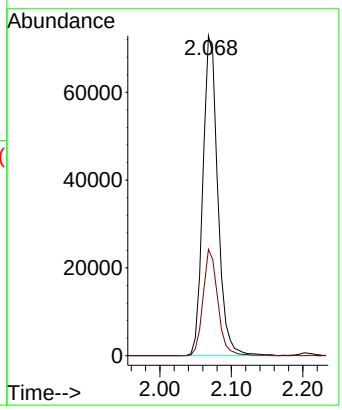





#3
Chloromethane
Concen: 49.191 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 50 Resp: 10562

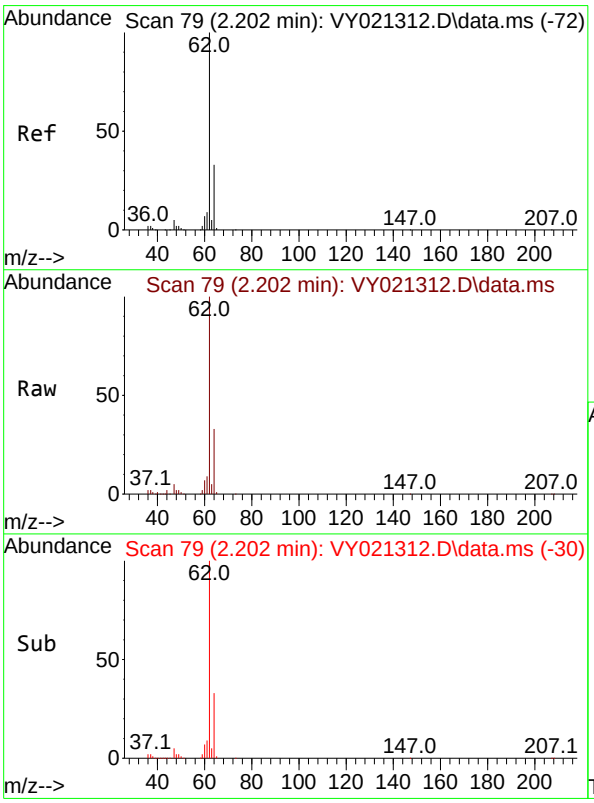
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.3 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

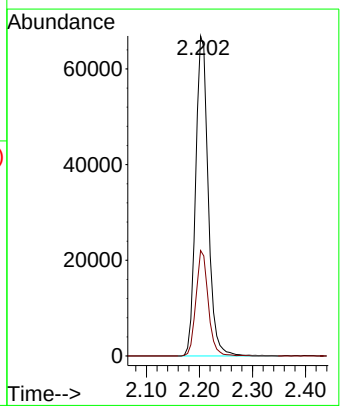
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

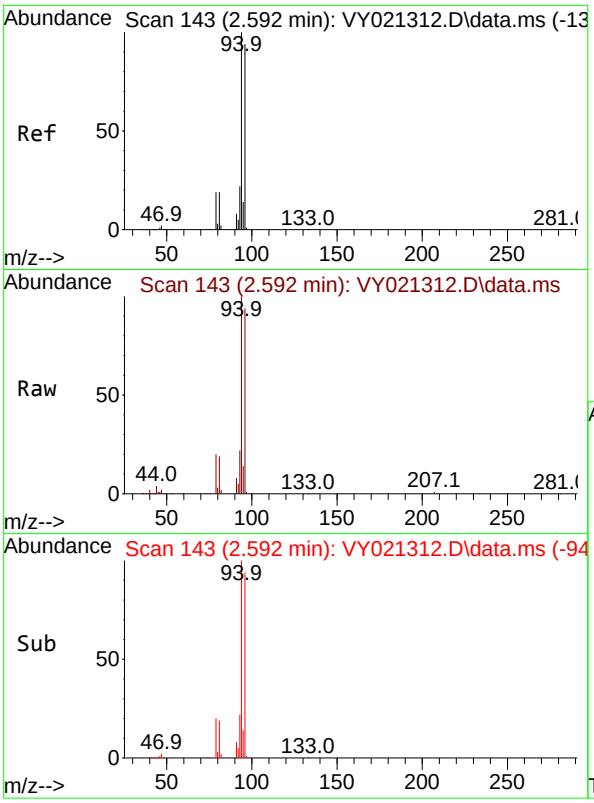



#4
Vinyl Chloride
Concen: 52.173 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 109961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.9 | 26.3 | 39.5 |

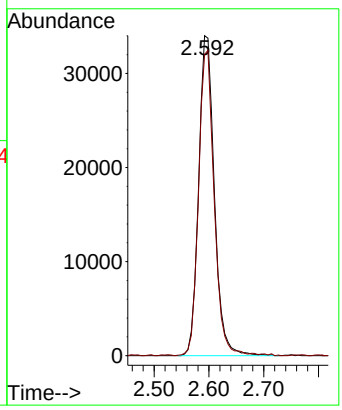





#5
Bromomethane
Concen: 48.395 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 94 Resp: 6778(

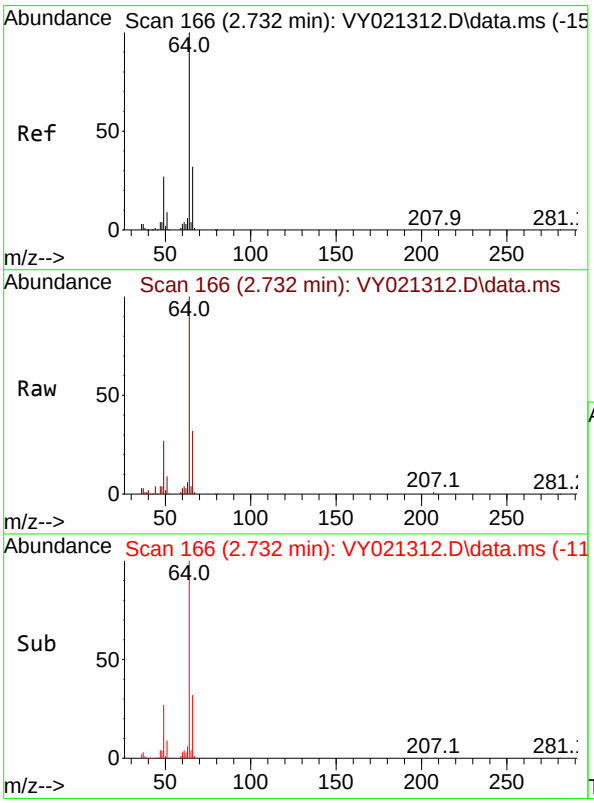
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.0 | 75.2 | 112.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

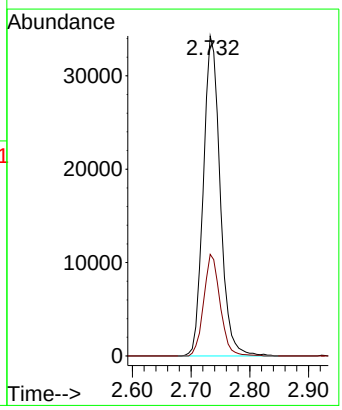
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

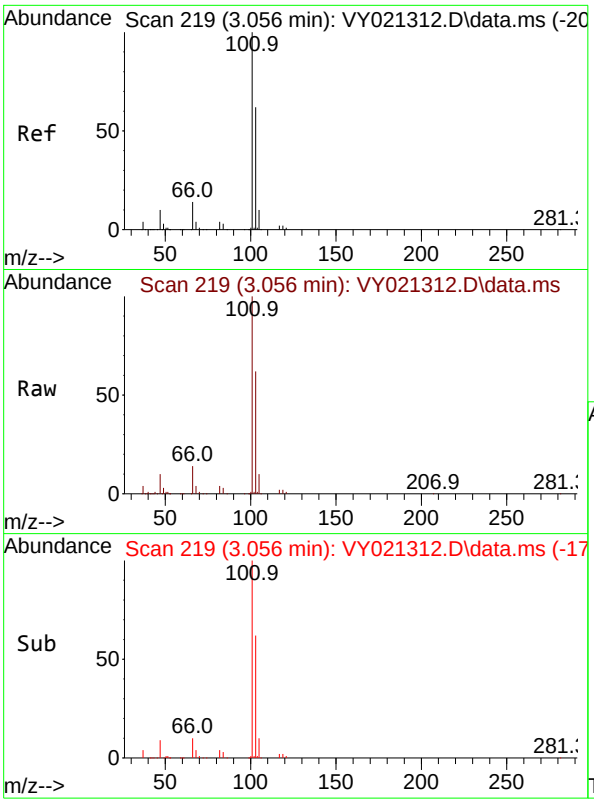



#6
Chloroethane
Concen: 52.276 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 64 Resp: 68323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.7 | 25.4 | 38.0 |

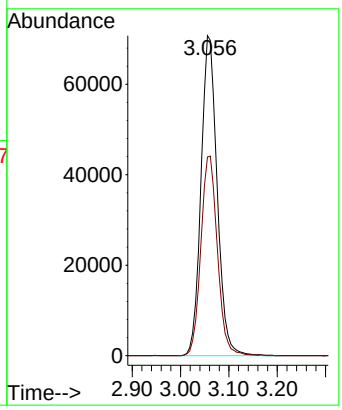





#7
Trichlorofluoromethane
Concen: 51.592 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:101 Resp: 16421

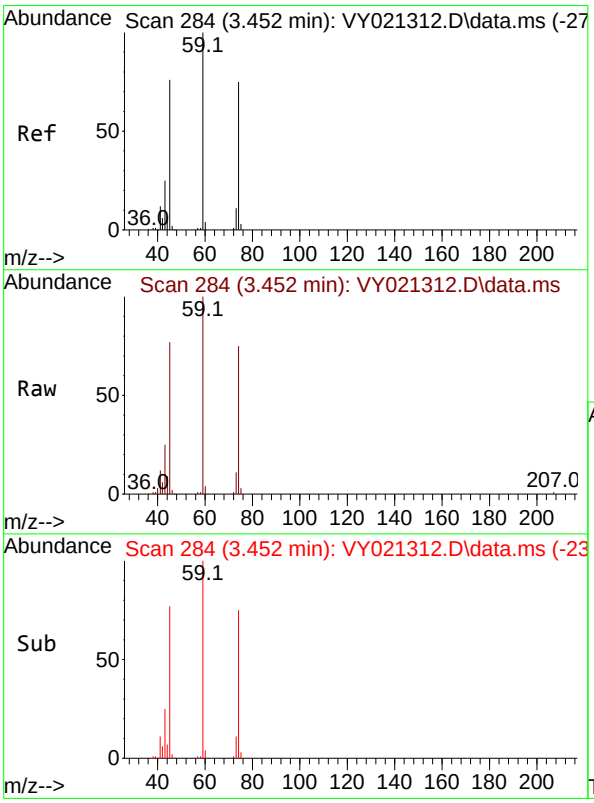
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.1 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

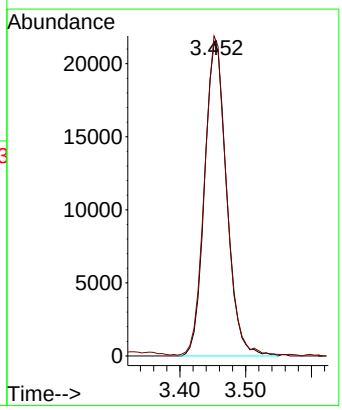
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

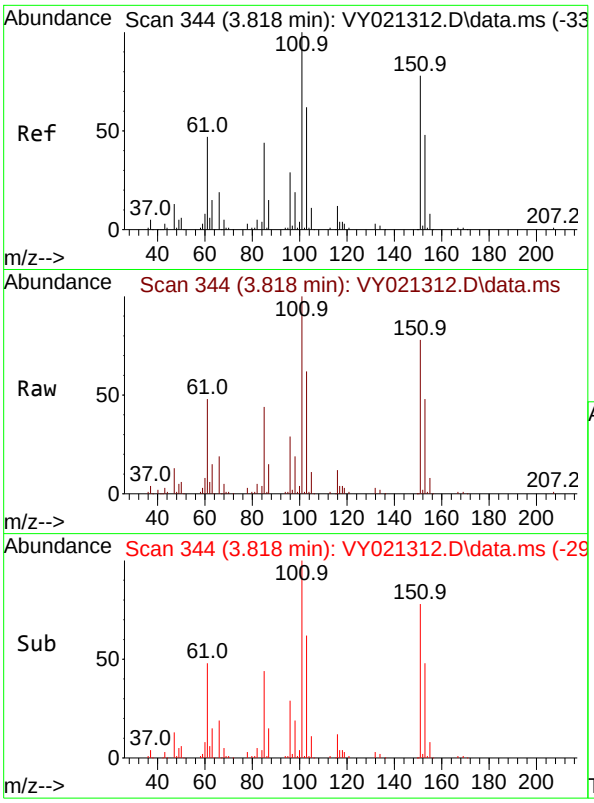



#8
Diethyl Ether
Concen: 52.532 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 74 Resp: 50185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.6 | 50.3 | 150.9 |

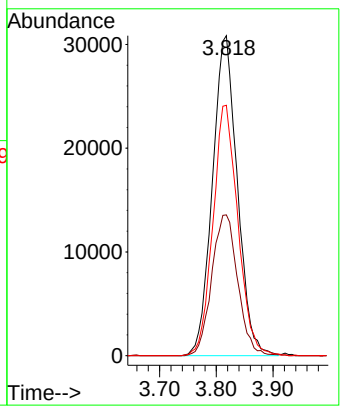





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.116 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:101 Resp: 9419

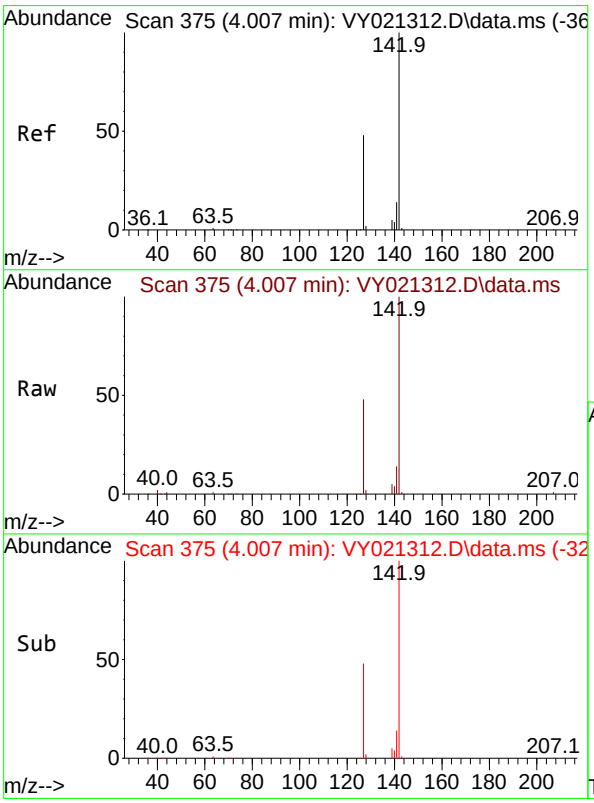
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.9 | 36.7 | 55.1 |
| 151 | 78.3 | 62.6 | 94.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

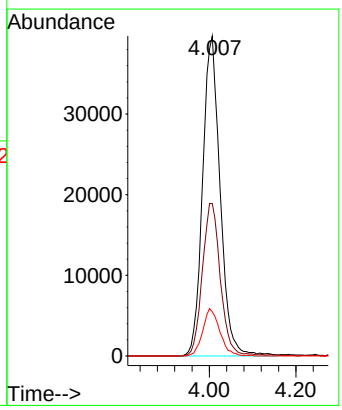
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

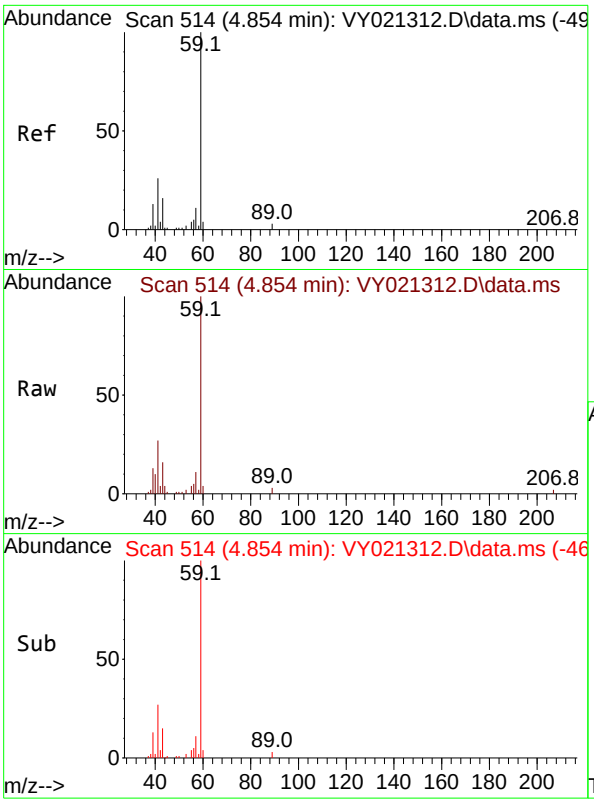



#10
Methyl Iodide
Concen: 57.600 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:142 Resp: 111673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.0 | 39.2 | 58.8 |
| 141 | 14.3 | 11.4 | 17.2 |

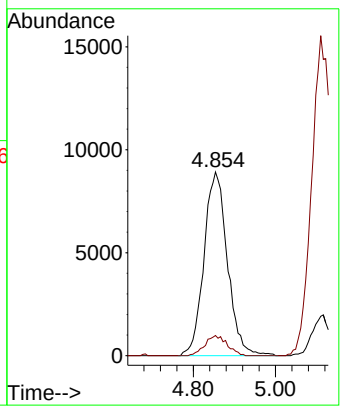





#11
Tert butyl alcohol
Concen: 230.691 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 59 Resp: 3530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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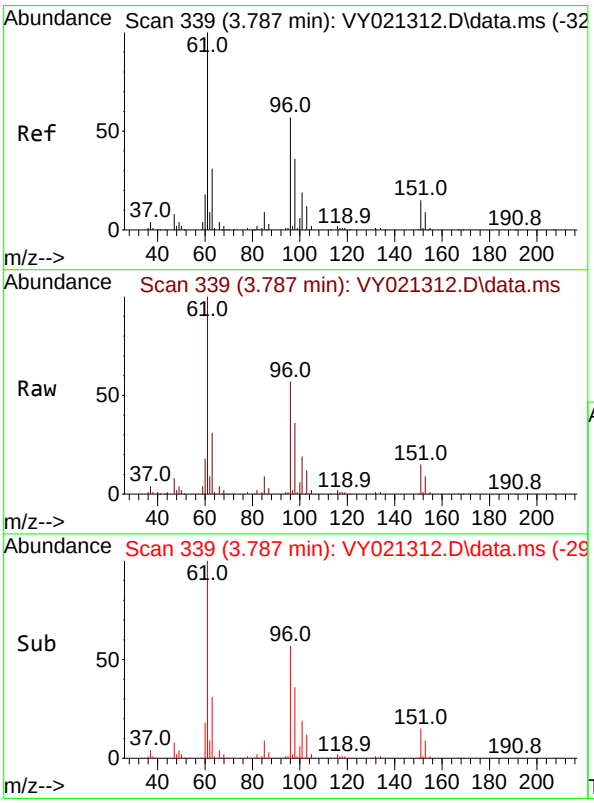
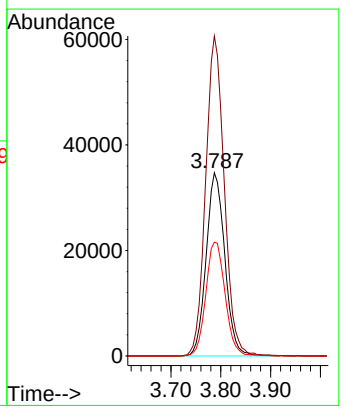
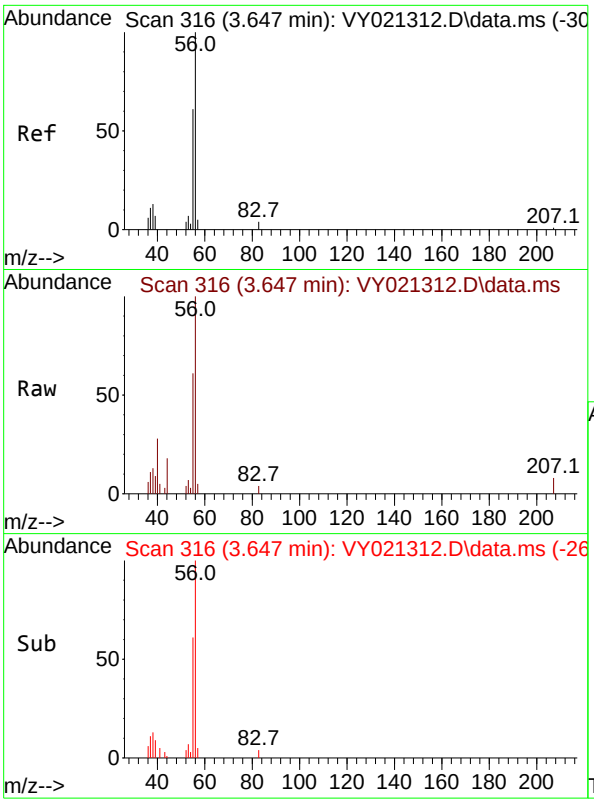



#12
1,1-Dichloroethene
Concen: 51.226 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 90388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.6 | 139.7 | 209.5 |
| 98 | 62.1 | 49.7 | 74.5 |

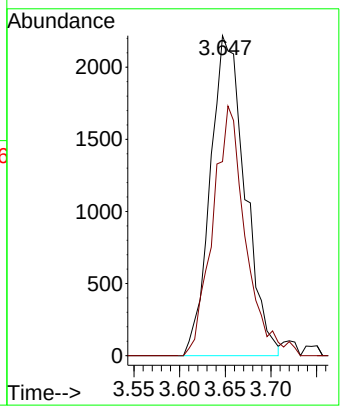





#13
Acrolein
Concen: 49.975 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 56 Resp: 586

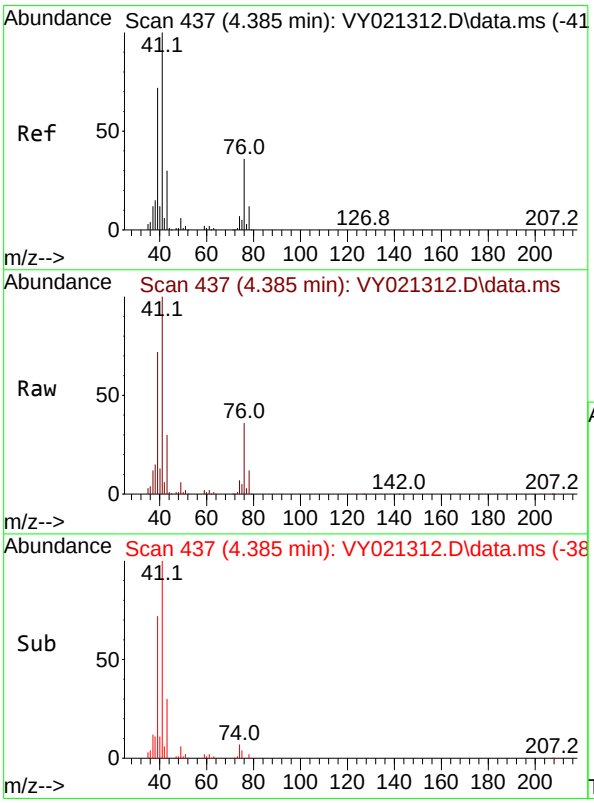
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.8 | 59.0 | 88.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

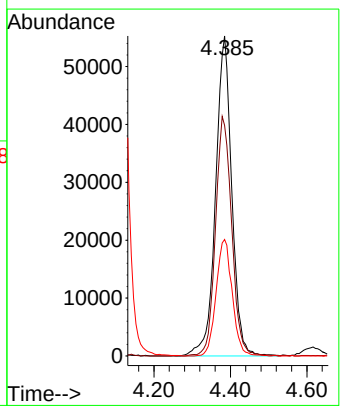
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

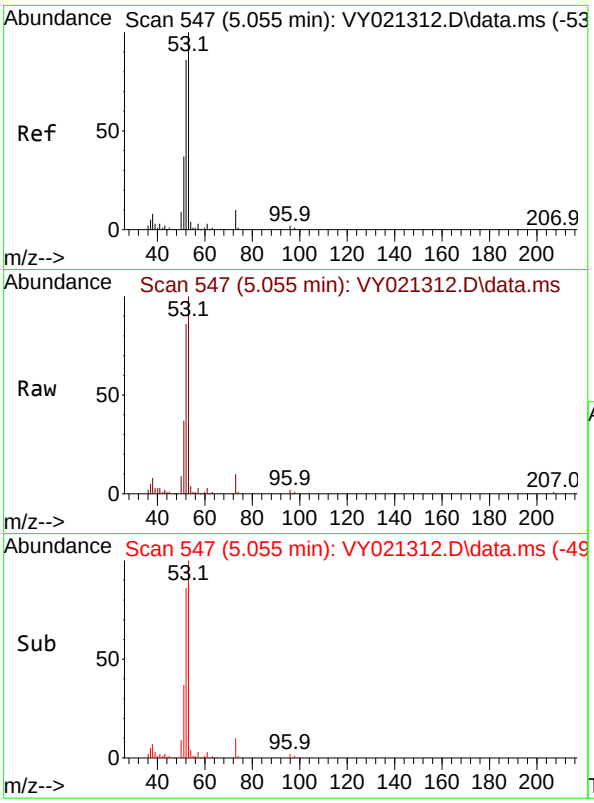



#14
Allyl chloride
Concen: 51.918 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 162419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.0 | 60.0 | 90.0 |
| 76 | 36.3 | 29.0 | 43.6 |






#15
Acrylonitrile
Concen: 264.397 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 53 Resp: 11167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.9 | 65.5 | 98.3 |
| 51 | 38.3 | 30.6 | 46.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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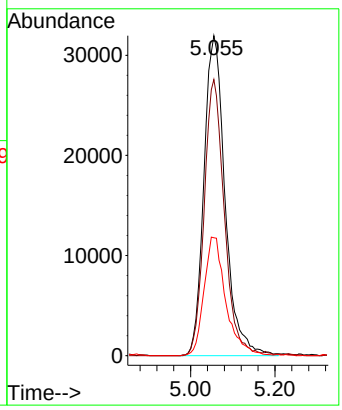
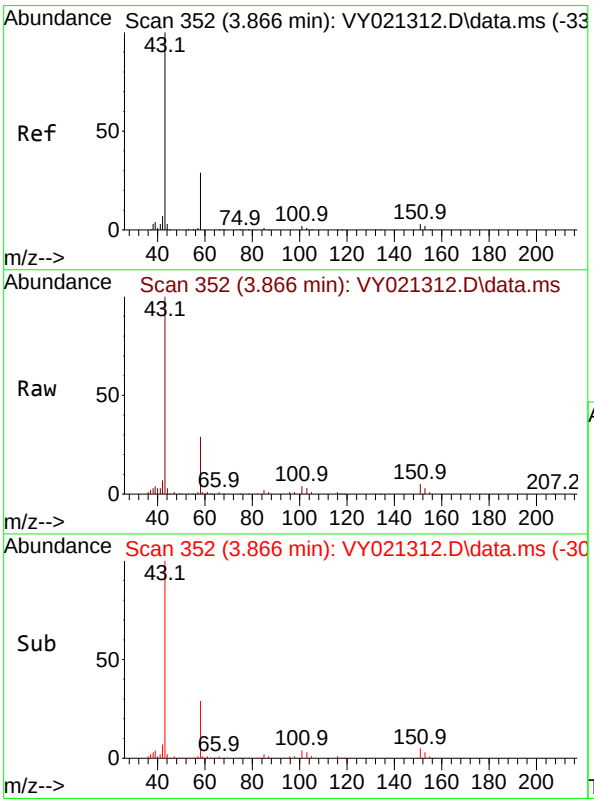
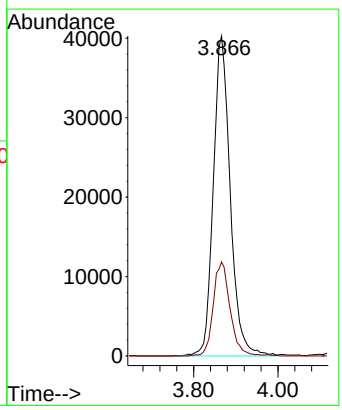


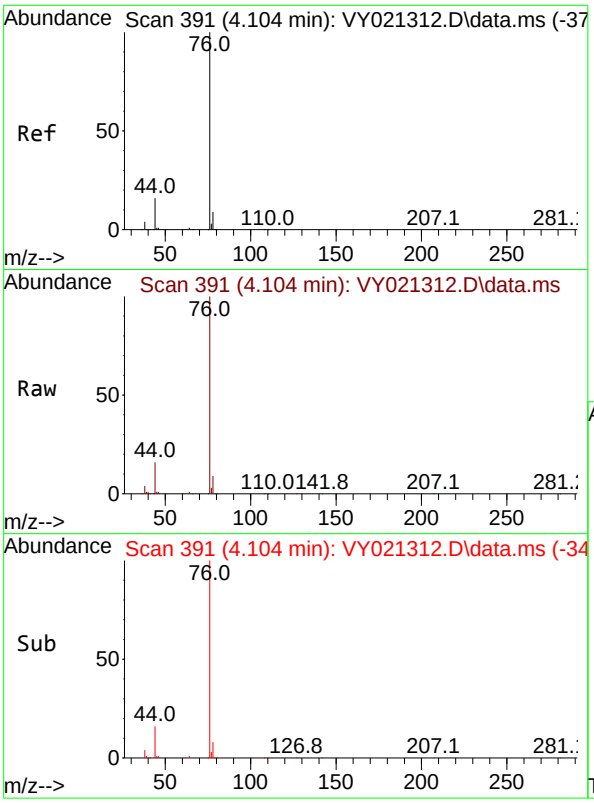




#16
Acetone
Concen: 293.294 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 111923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 23.5 | 35.3 |

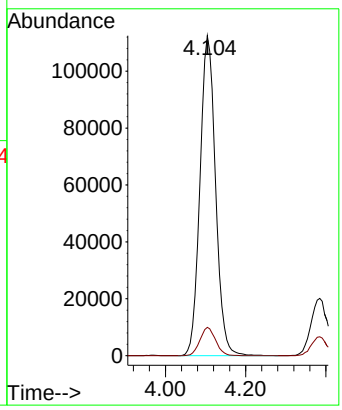





#17
Carbon Disulfide
Concen: 51.892 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 76 Resp: 30404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

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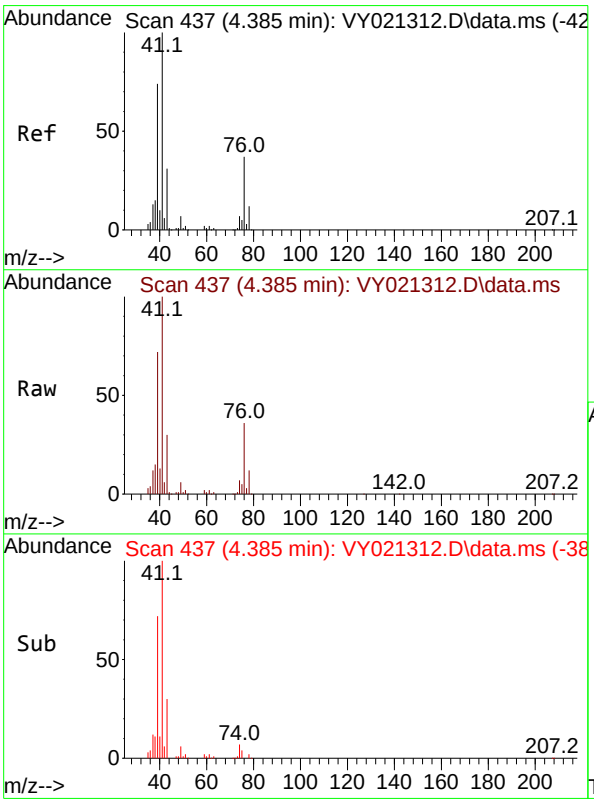
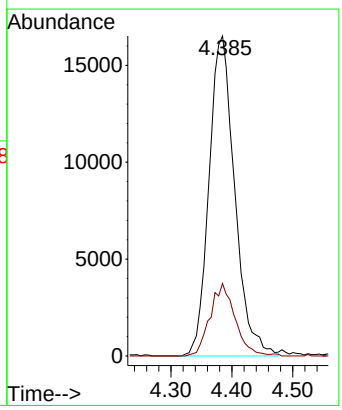
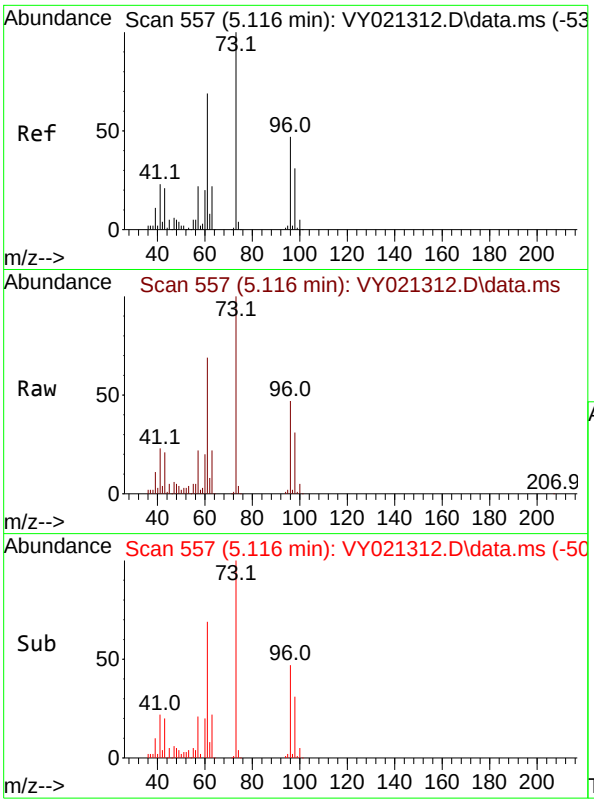



#18
Methyl Acetate
Concen: 51.864 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 48368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 17.7 | 26.5 |

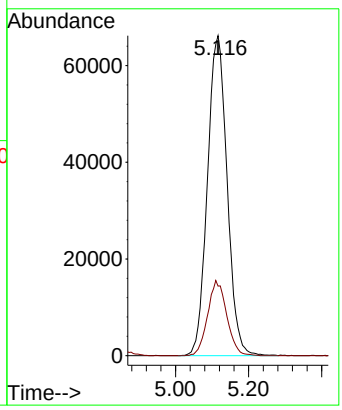





#19
Methyl tert-butyl Ether
Concen: 53.043 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 73 Resp: 24728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.4 | 26.0 |




**Instrument :**
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VSTDICCC050

**Manual Integrations**
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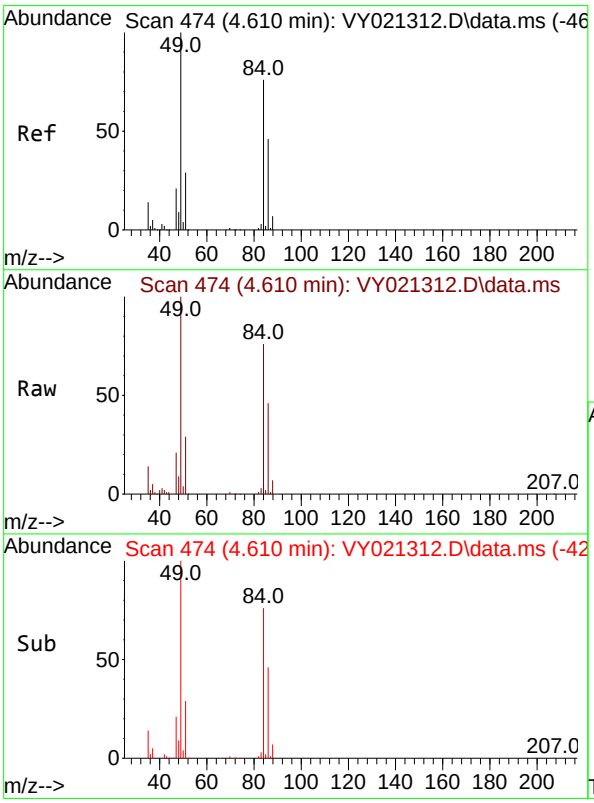
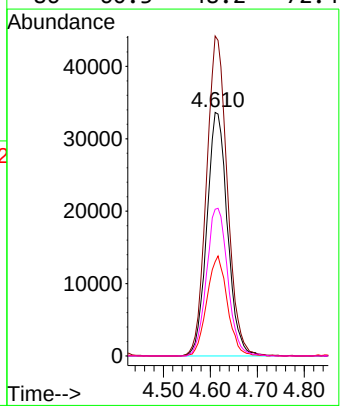
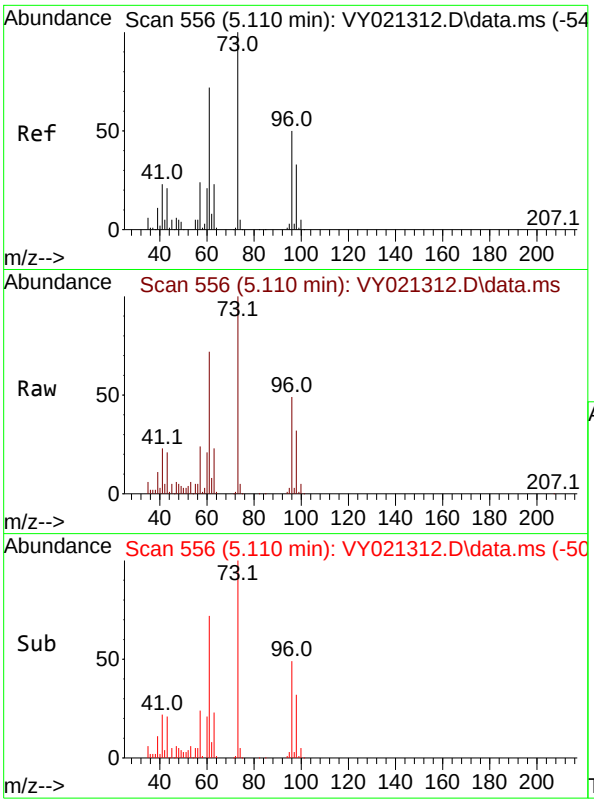



#20
Methylene Chloride
Concen: 49.716 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 84 Resp: 102592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.4 | 105.1 | 157.7 |
| 51 | 38.7 | 31.0 | 46.4 |
| 86 | 60.3 | 48.2 | 72.4 |

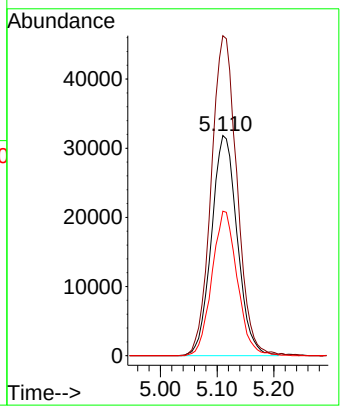





#21
trans-1,2-Dichloroethene
Concen: 51.774 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 10056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.4 | 116.3 | 174.5 |
| 98 | 65.7 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
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VSTDICCC050

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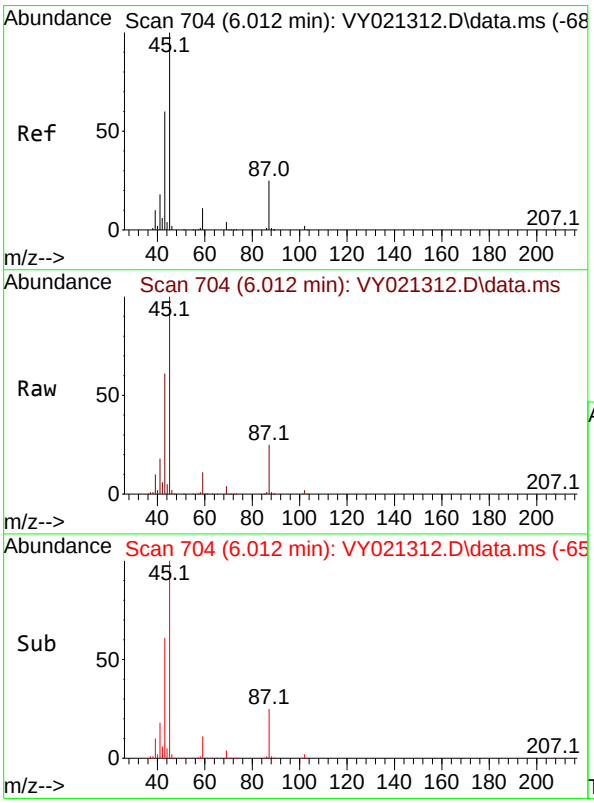
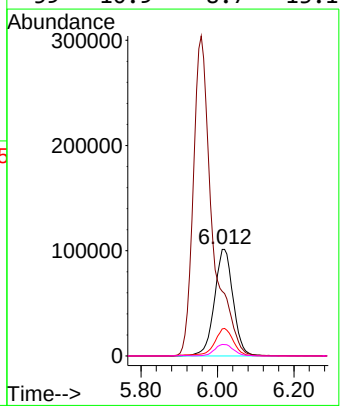
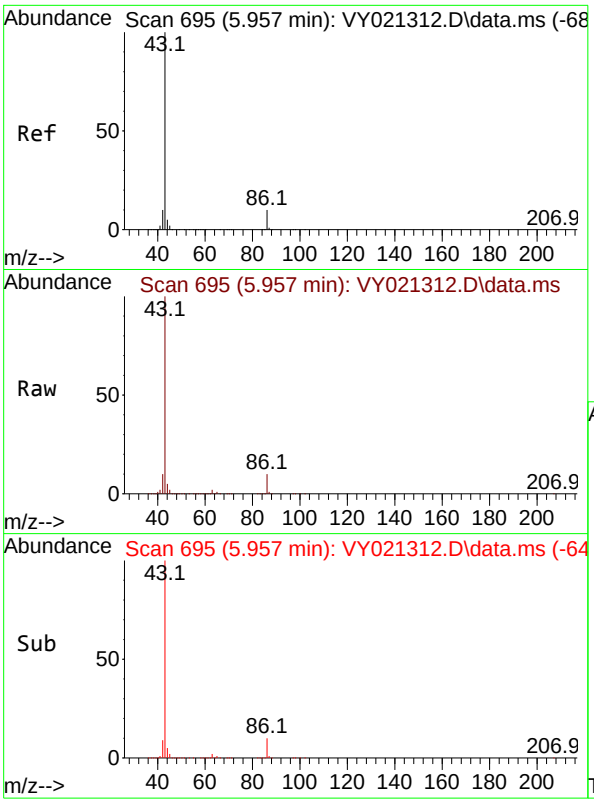



#22
Diisopropyl ether
Concen: 53.126 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 45 Resp: 343920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 60.3 | 48.2 | 72.4 |
| 87 | 25.4 | 20.3 | 30.5 |
| 59 | 10.9 | 8.7 | 13.1 |






#23
Vinyl Acetate
Concen: 269.294 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 104176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 8.0 | 12.0 |

**Instrument :**
MSVOA_Y
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VSTDICCC050

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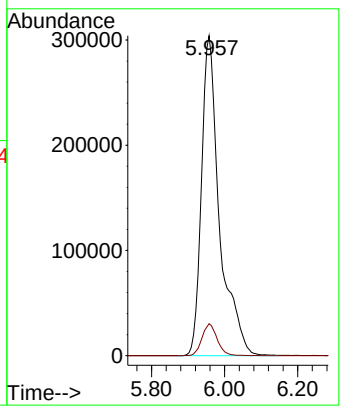
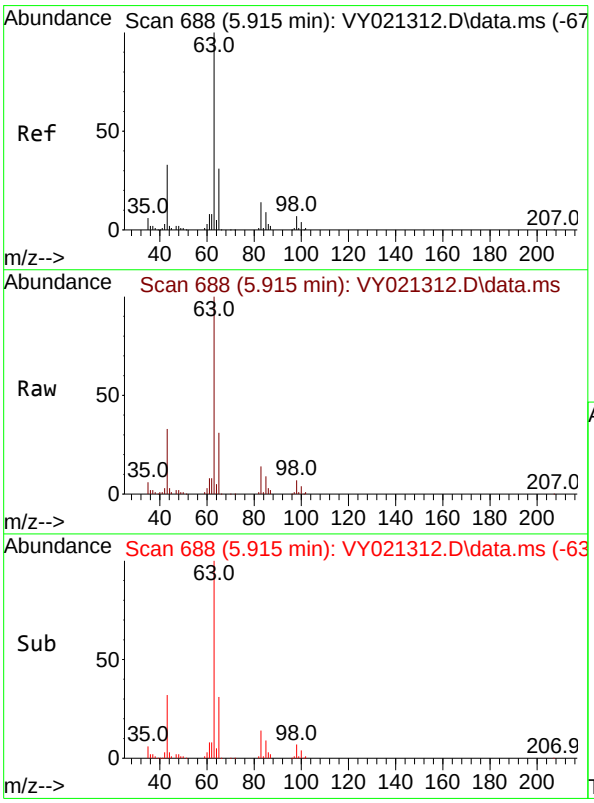
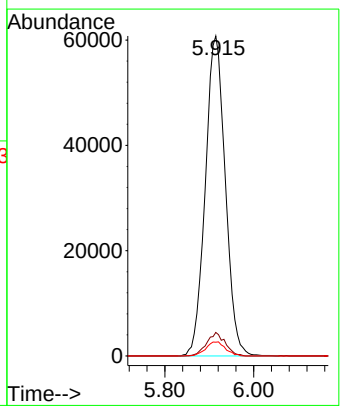


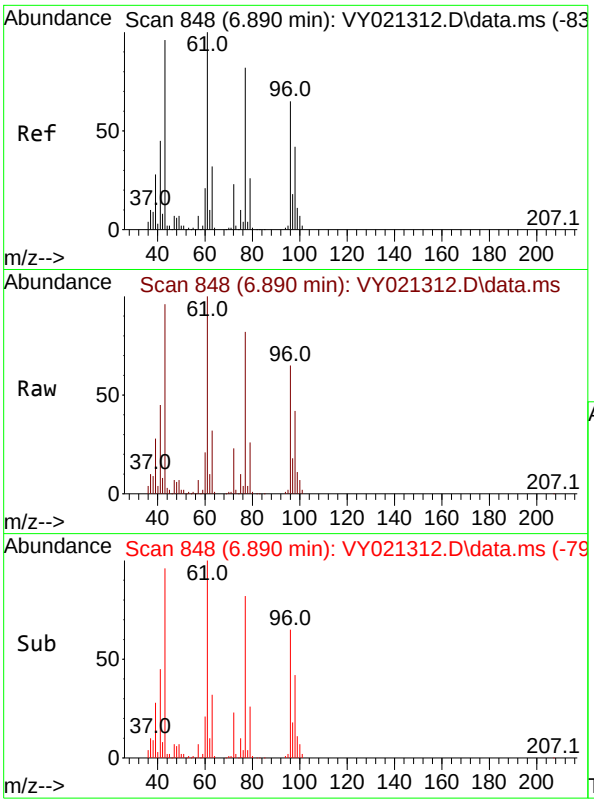




#24
1,1-Dichloroethane
Concen: 52.057 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 189943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.7 | 11.1 |
| 100 | 4.3 | 2.1 | 6.5 |

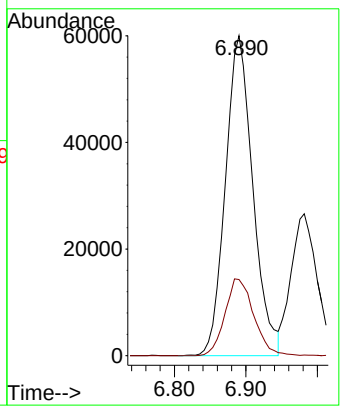





#25
2-Butanone
Concen: 278.240 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 16024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 19.0 | 28.6 |

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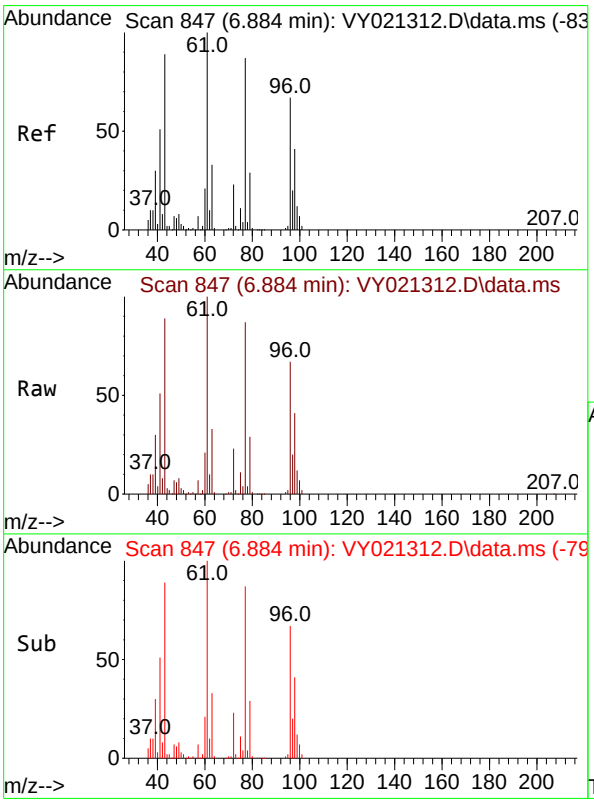
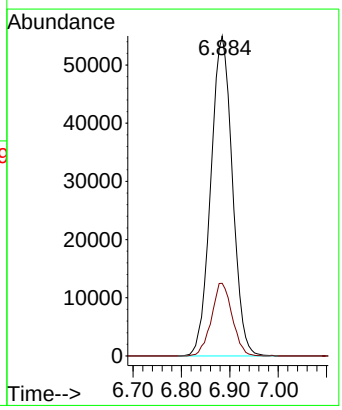
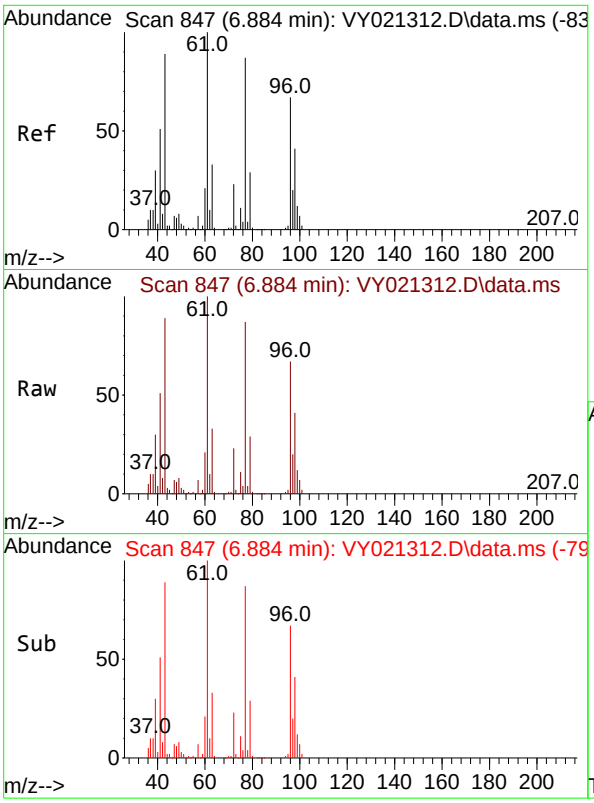



#26
2,2-Dichloropropane
Concen: 51.489 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 77 Resp: 170469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.9 | 32.7 |

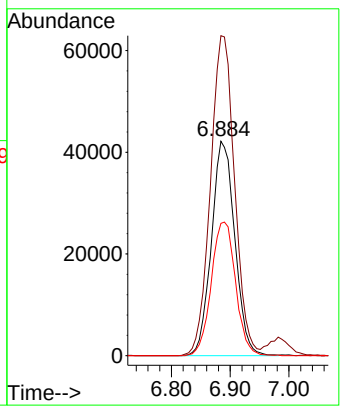





#27
cis-1,2-Dichloroethene
Concen: 52.579 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 11662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.0 | 0.0 | 308.0 |
| 98 | 64.8 | 0.0 | 129.6 |




**Instrument :**
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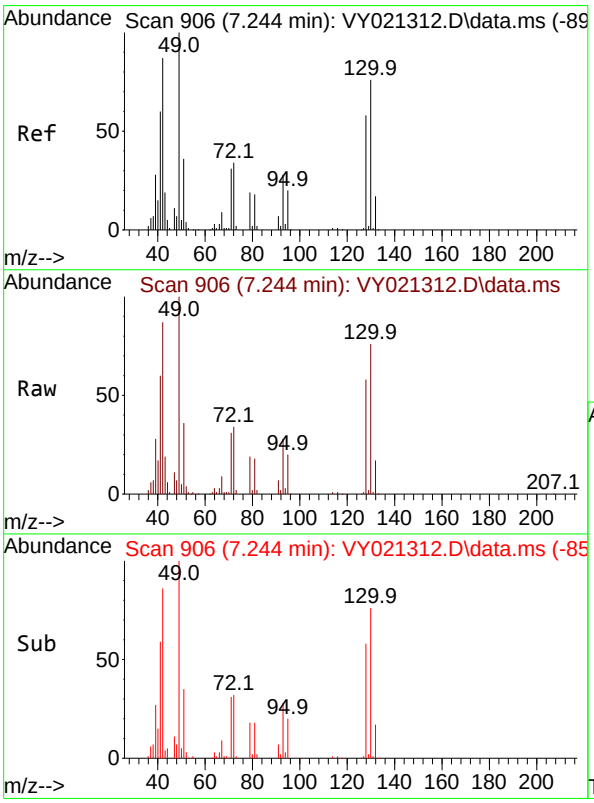
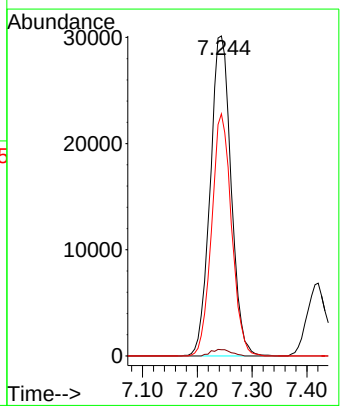
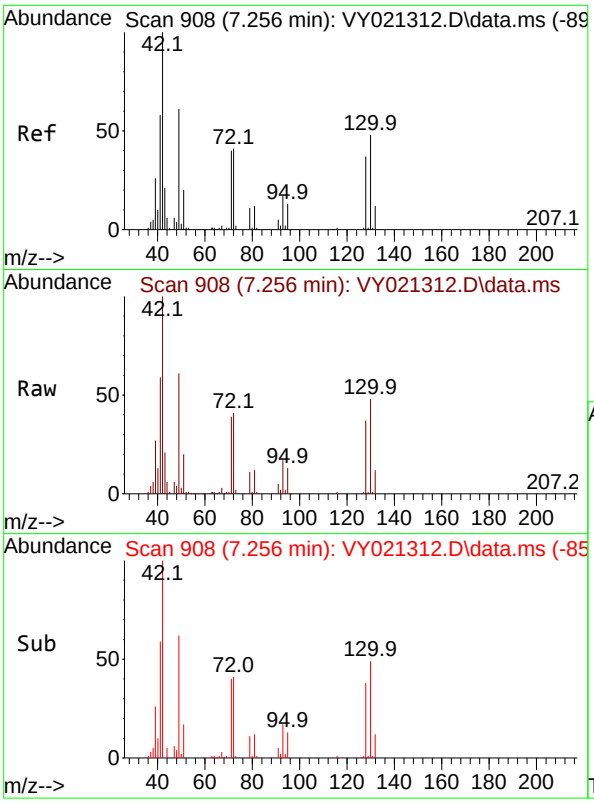



#28
Bromochloromethane
Concen: 49.352 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 49 Resp: 79678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 72.2 | 57.8 | 86.6 |

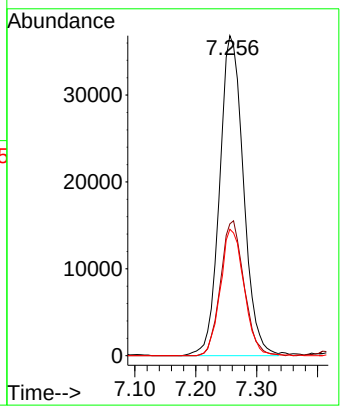





#29
Tetrahydrofuran
Concen: 266.741 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 42 Resp: 10041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.4 | 33.1 | 49.7 |
| 71 | 39.2 | 31.4 | 47.0 |




**Instrument :**
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VSTDICCC050

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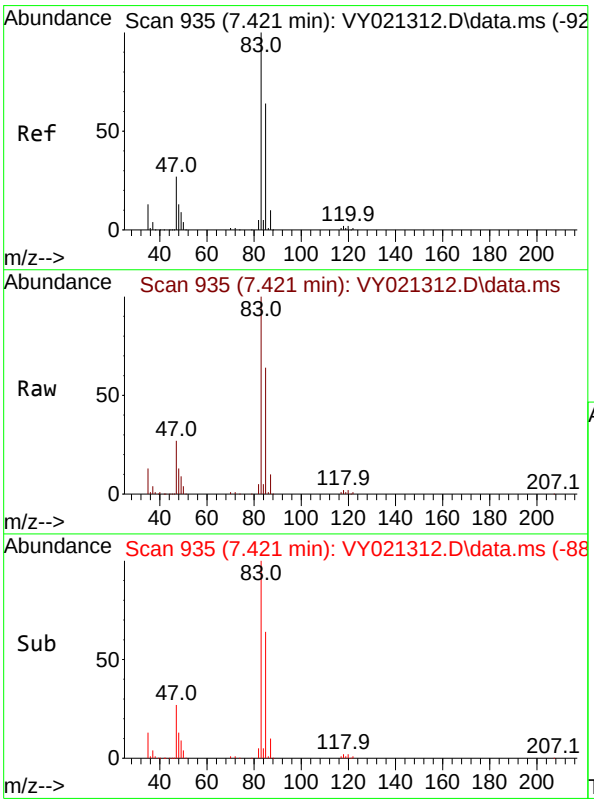
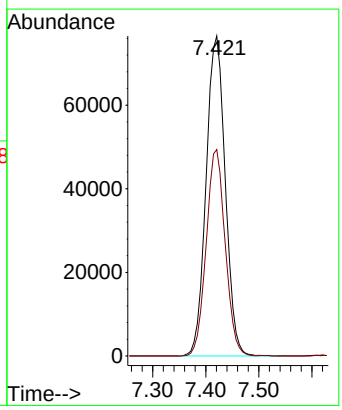
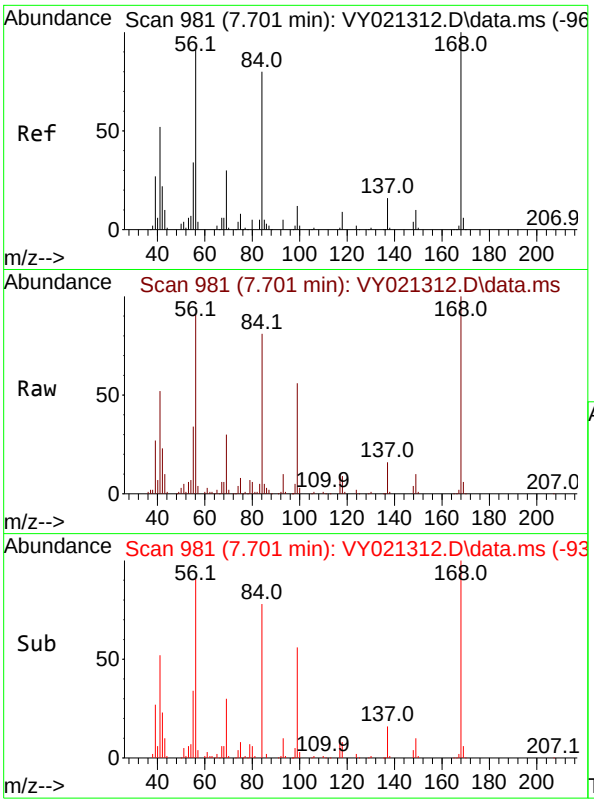



#30
Chloroform
Concen: 51.925 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 191980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.6 | 77.4 |

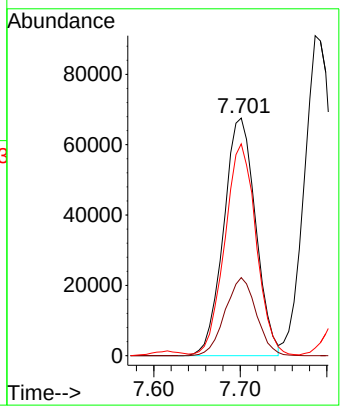





#31
Cyclohexane
Concen: 49.456 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 56 Resp: 17346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.8 | 26.2 | 39.4 |
| 84 | 87.8 | 70.2 | 105.4 |




**Instrument :**
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**ClientSampleId :**
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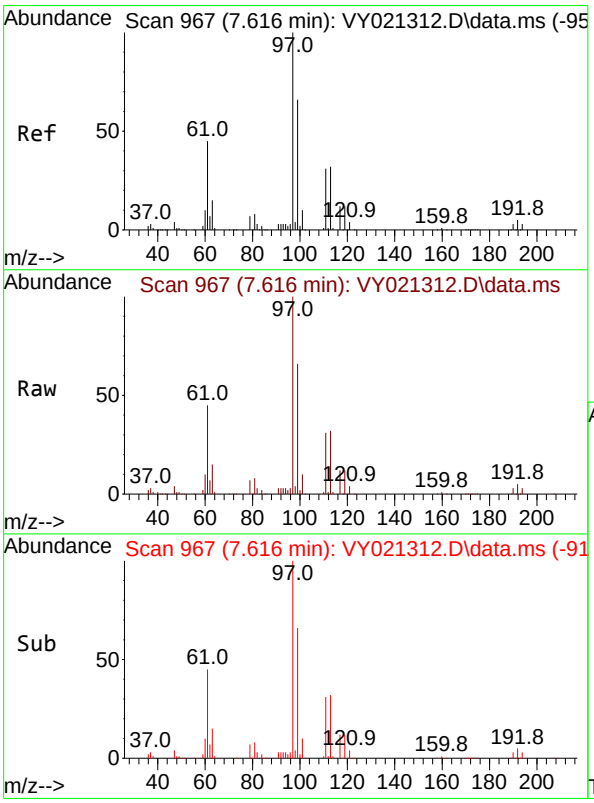
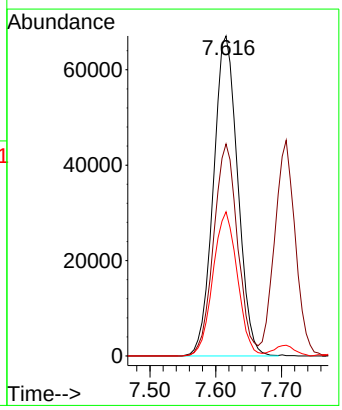
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

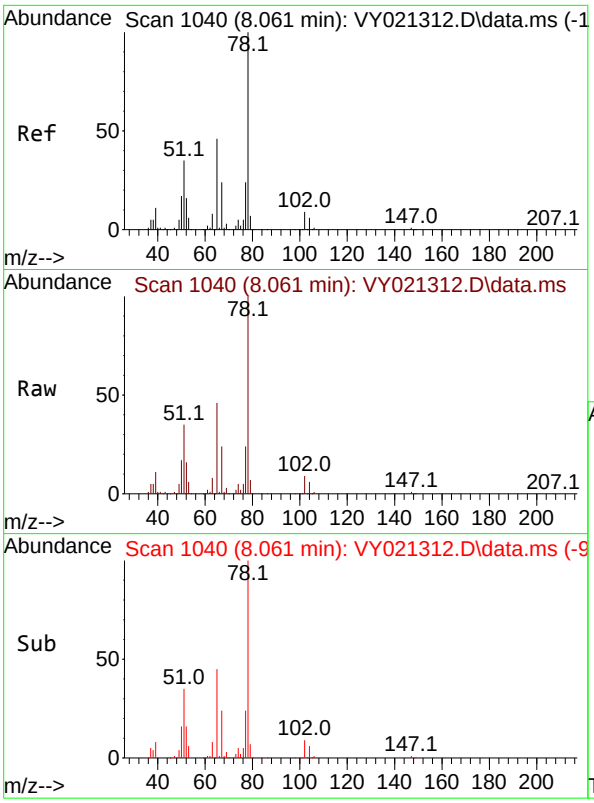



#32
1,1,1-Trichloroethane
Concen: 51.372 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 172880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.5 | 52.4 | 78.6 |
| 61 | 45.2 | 36.2 | 54.2 |

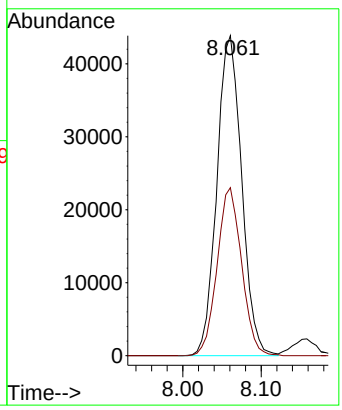





#33
1,2-Dichloroethane-d4
Concen: 48.606 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 65 Resp: 9669

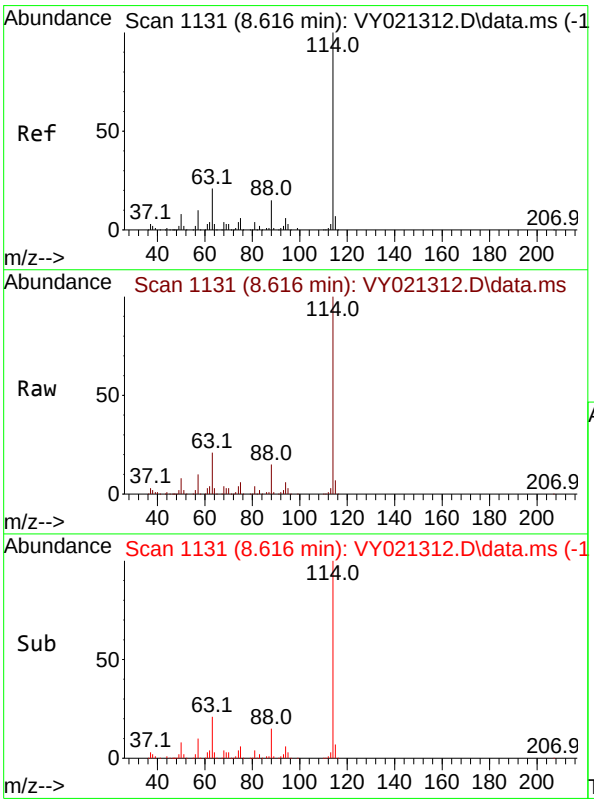
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 103.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

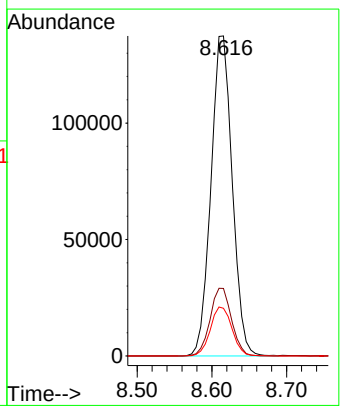
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

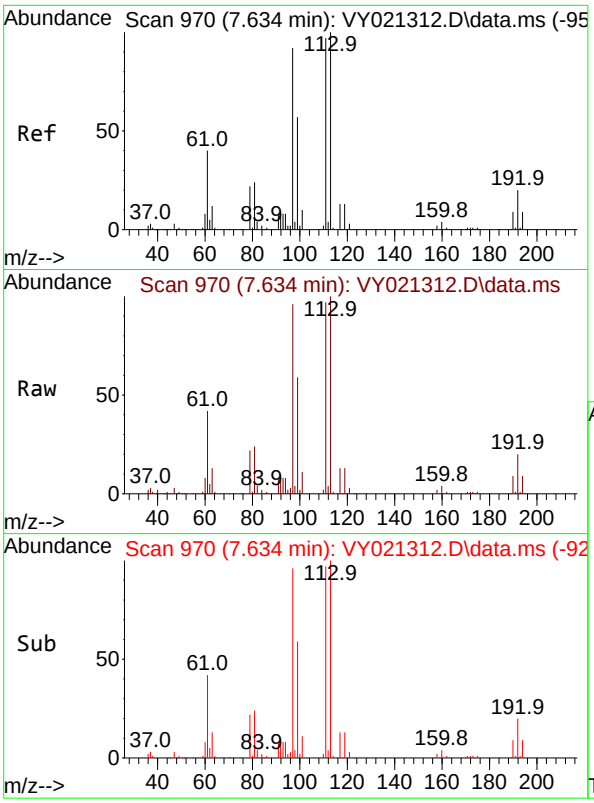



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:114 Resp: 272563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 42.2 |
| 88 | 14.9 | 0.0 | 29.8 |

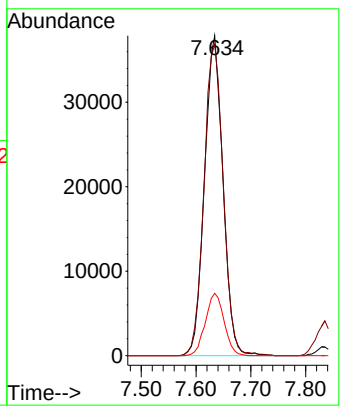





#35
Dibromofluoromethane
Concen: 49.533 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:113 Resp: 8851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.3 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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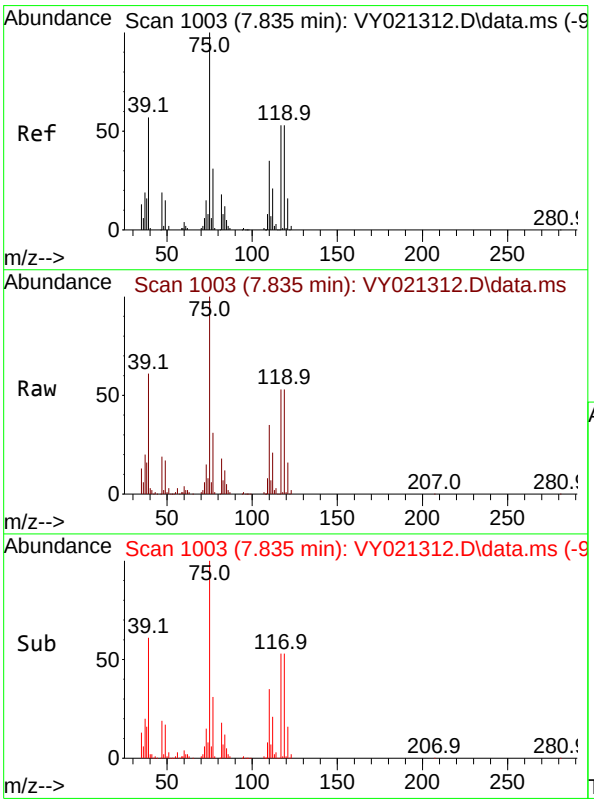
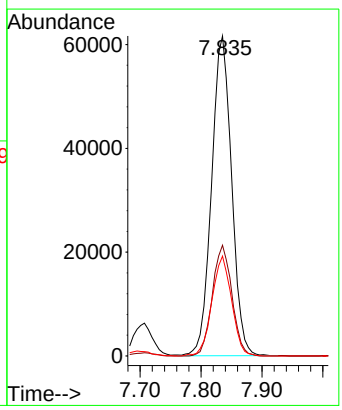
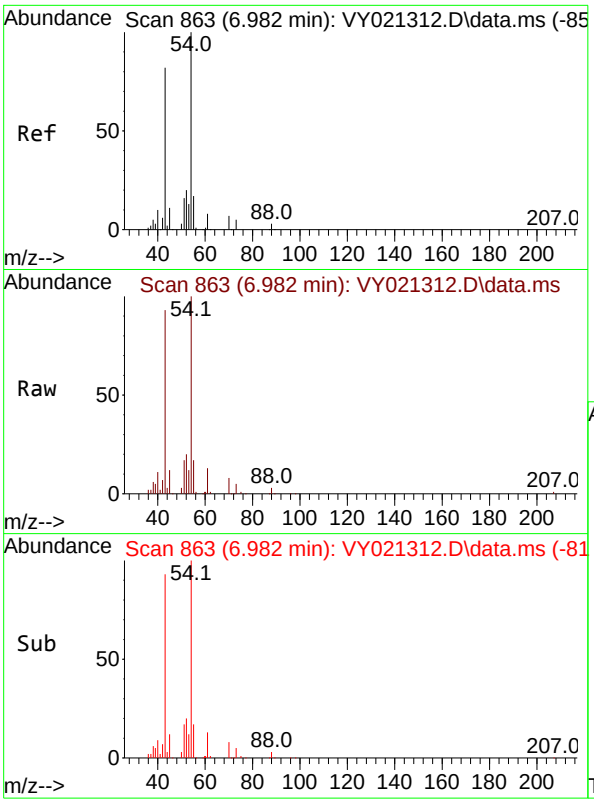



#36
1,1-Dichloropropene
Concen: 52.371 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 140574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 16.9 | 50.7 |
| 77 | 30.7 | 24.6 | 36.8 |

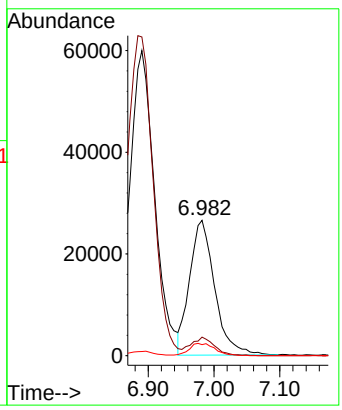





#37
Ethyl Acetate
Concen: 52.565 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 7018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 10.4 | 15.6 |
| 70 | 9.4 | 7.5 | 11.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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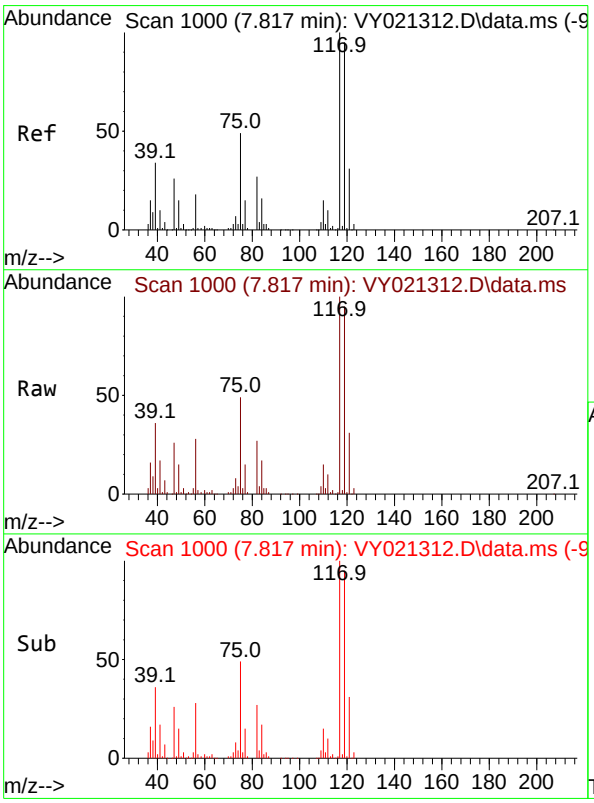
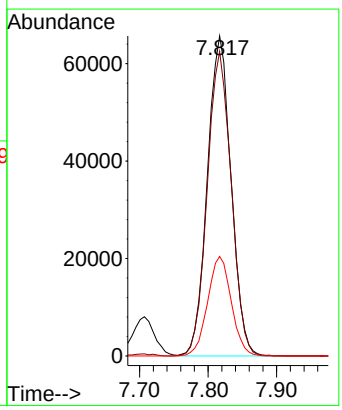
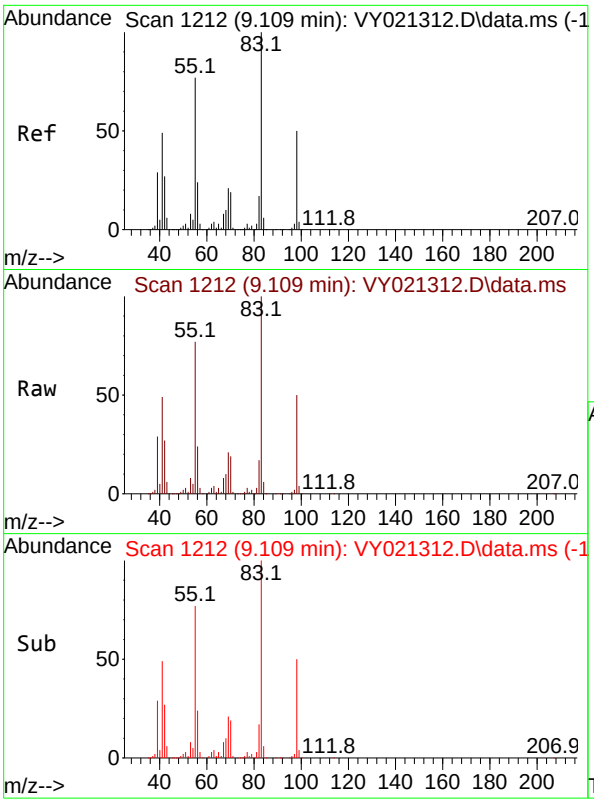



#38
Carbon Tetrachloride
Concen: 52.465 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 158319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 76.0 | 114.0 |
| 121 | 31.1 | 24.9 | 37.3 |

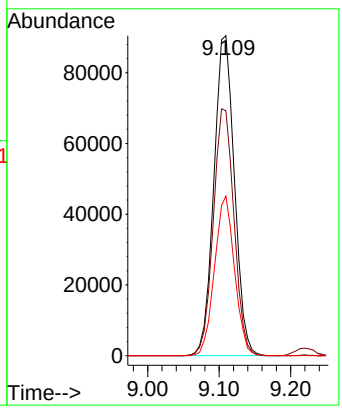





#39
Methylcyclohexane
Concen: 53.165 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 18049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.6 | 61.3 | 91.9 |
| 98 | 49.9 | 39.9 | 59.9 |




**Instrument :**
MSVOA_Y
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VSTDICCC050

**Manual Integrations APPROVED**

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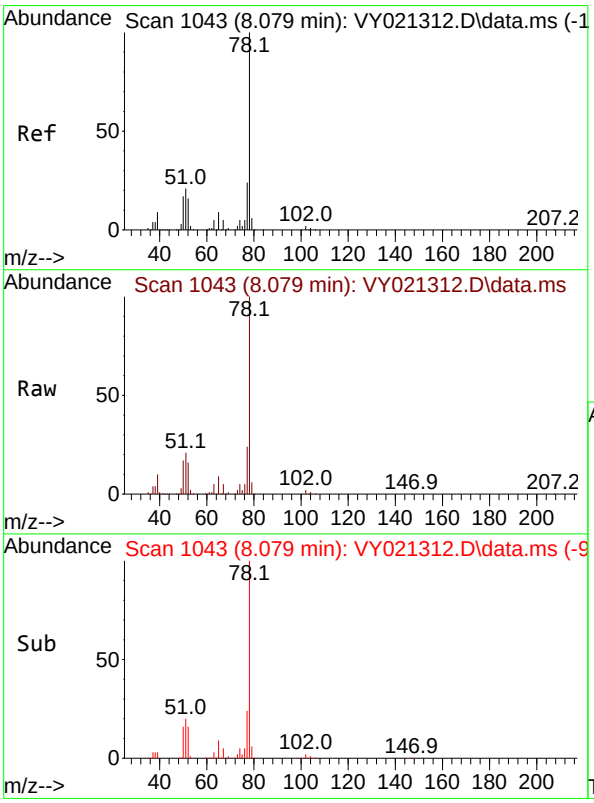
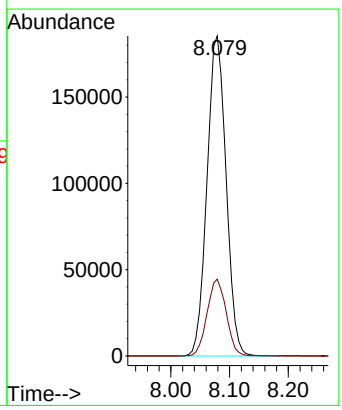
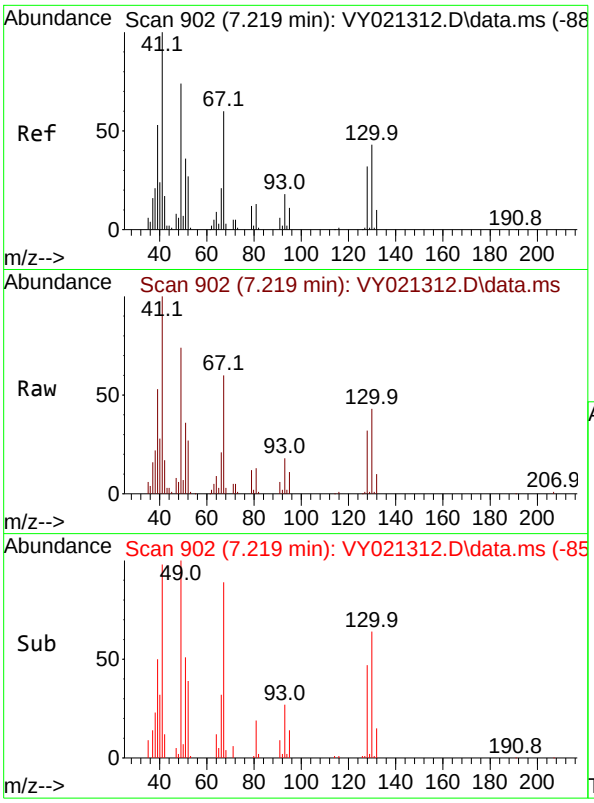



#40
Benzene
Concen: 52.655 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 78 Resp: 417798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.2 | 28.8 |

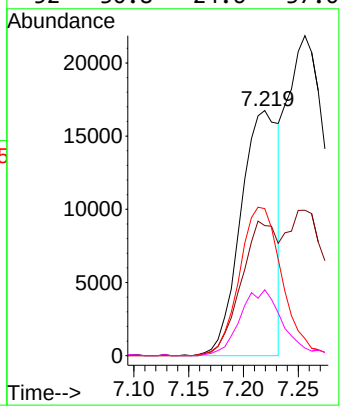





#41
Methacrylonitrile
Concen: 53.535 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 3996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.9 | 42.3 | 63.5 |
| 67 | 68.5 | 54.8 | 82.2 |
| 52 | 30.8 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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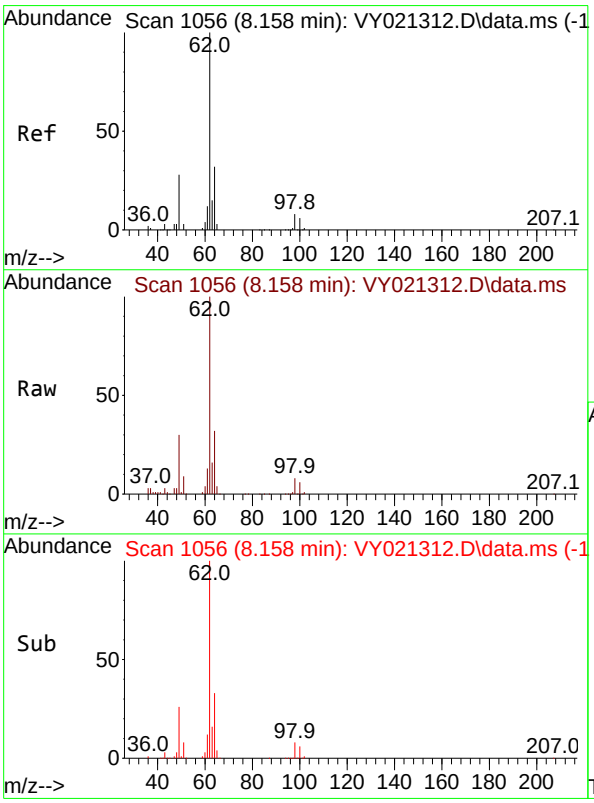
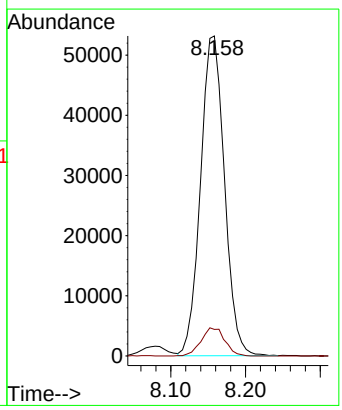
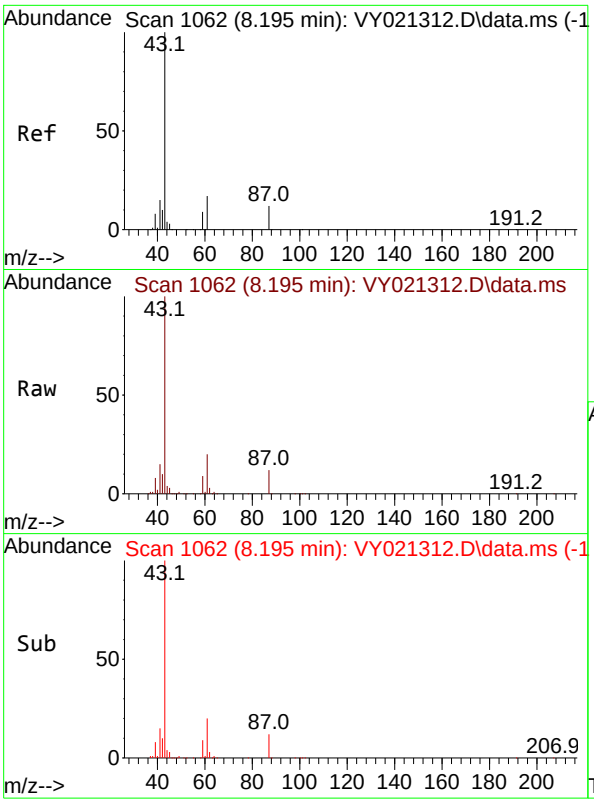



#42
1,2-Dichloroethane
Concen: 52.494 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 118176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 17.6 |

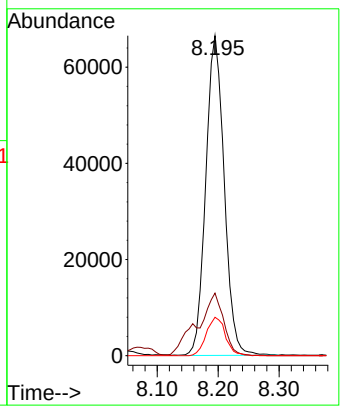





#43
Isopropyl Acetate
Concen: 54.106 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 13982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.8 | 15.0 | 22.6 |
| 87 | 12.5 | 10.0 | 15.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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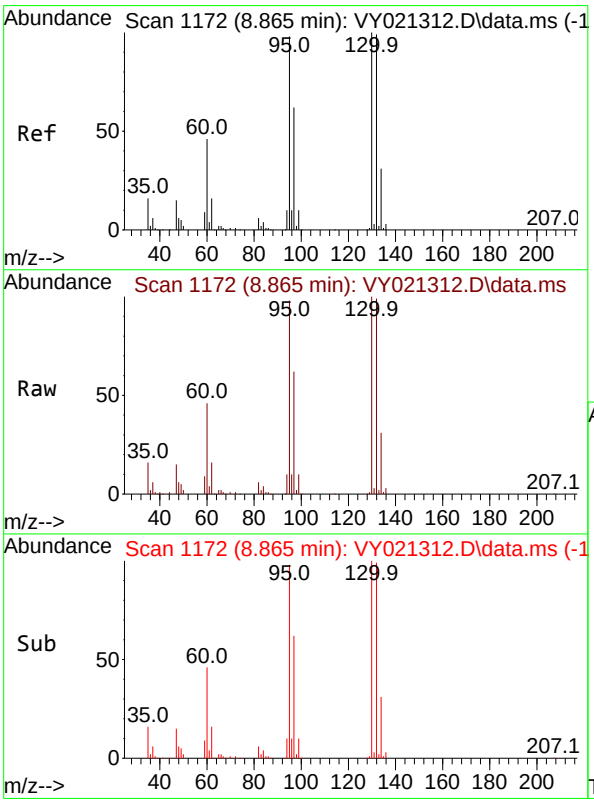
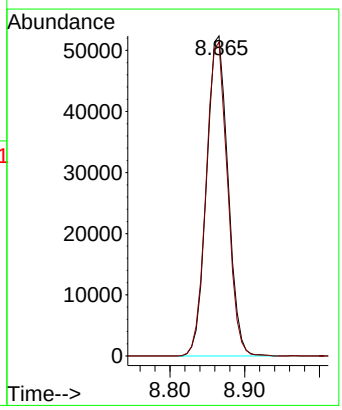
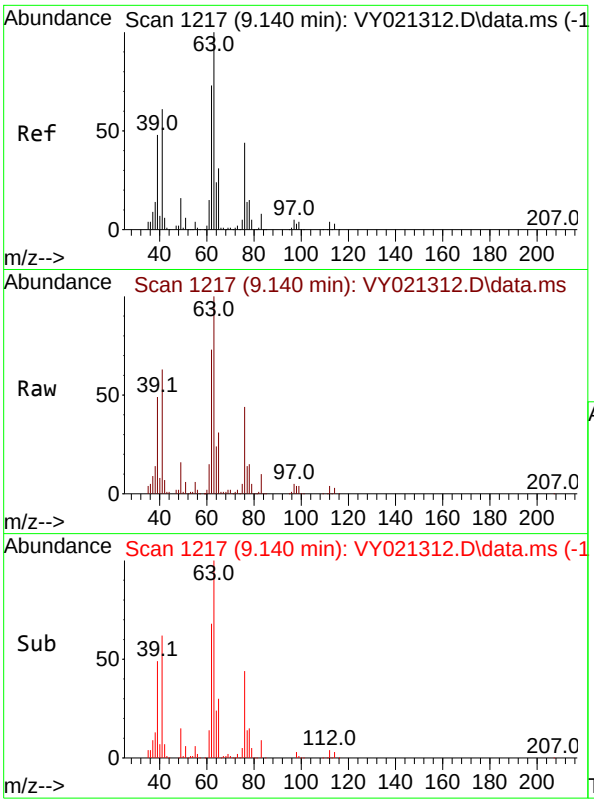



#44
Trichloroethene
Concen: 52.389 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:130 Resp: 104074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.0 | 0.0 | 196.0 |

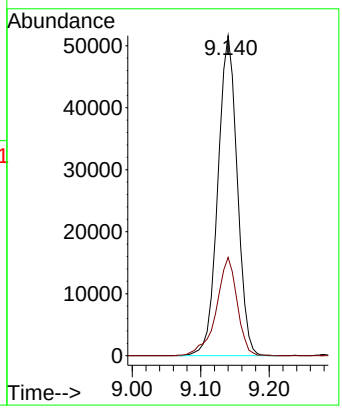





#45
1,2-Dichloropropane
Concen: 52.980 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 10116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

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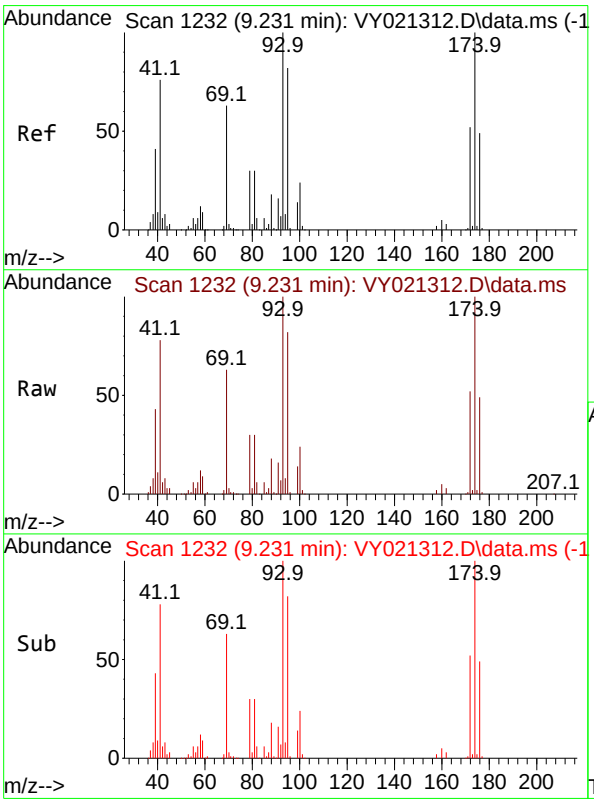
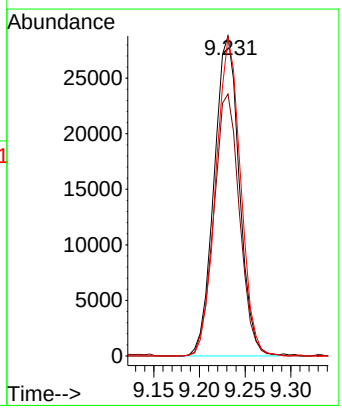
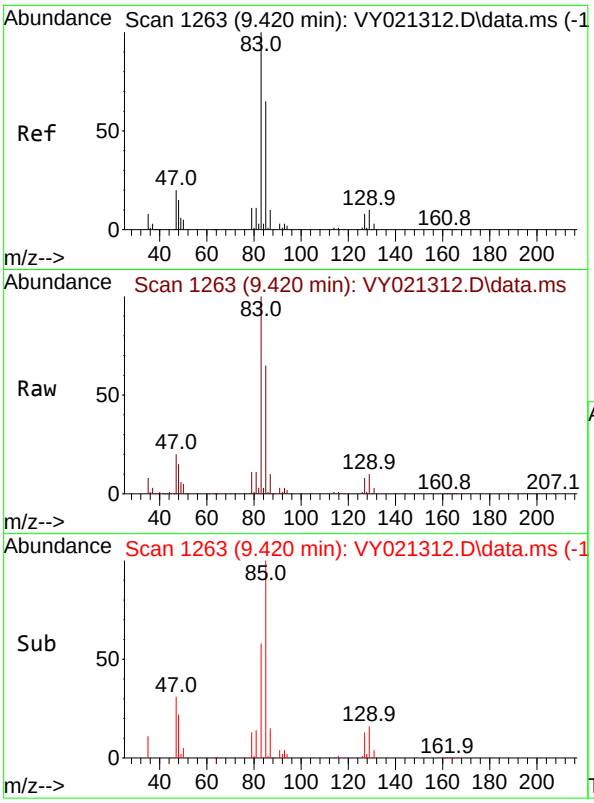



#46
Dibromomethane
Concen: 53.043 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 93 Resp: 55365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 66.4 | 99.6 |
| 174 | 97.7 | 78.2 | 117.2 |

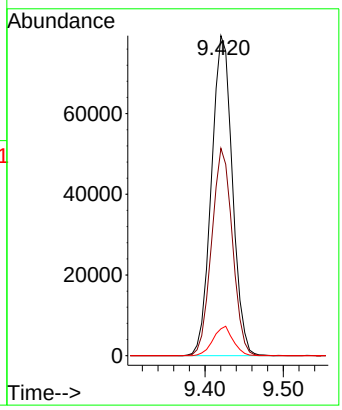





#47
Bromodichloromethane
Concen: 52.957 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 14738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 51.8 | 77.8 |
| 127 | 8.4 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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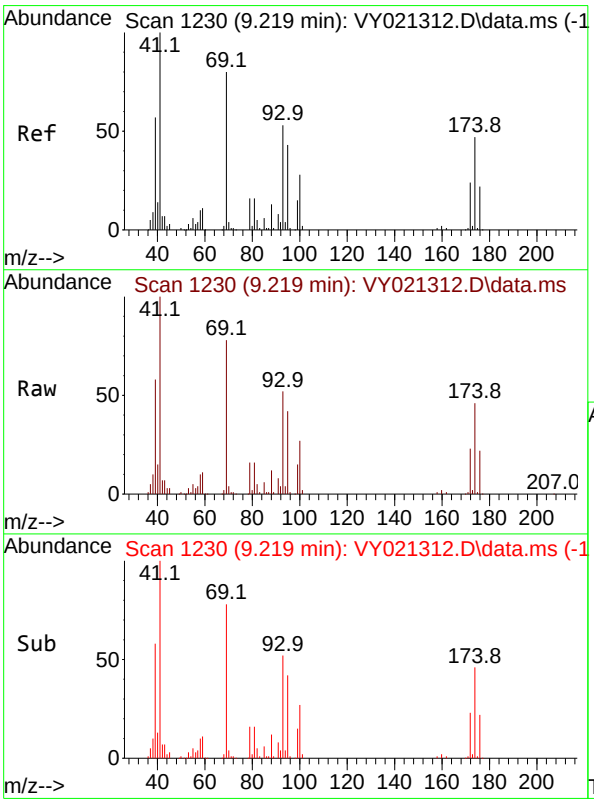
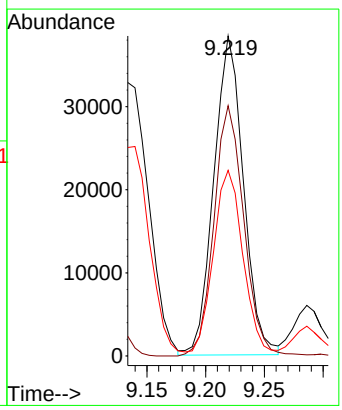
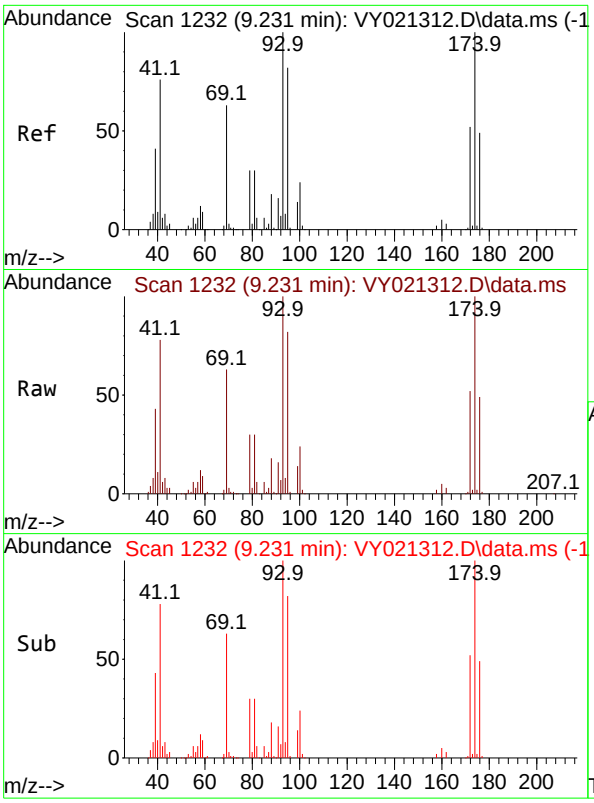



#48
Methyl methacrylate
Concen: 55.775 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 67406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.1 | 63.3 | 94.9 |
| 39 | 56.3 | 45.0 | 67.6 |






#49
1,4-Dioxane
Concen: 1050.591 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 88 Resp: 1219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.5 | 34.8 | 52.2 |
| 58 | 74.7 | 59.8 | 89.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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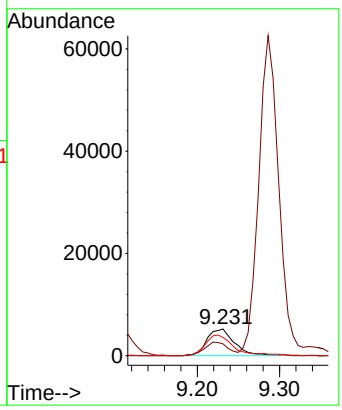
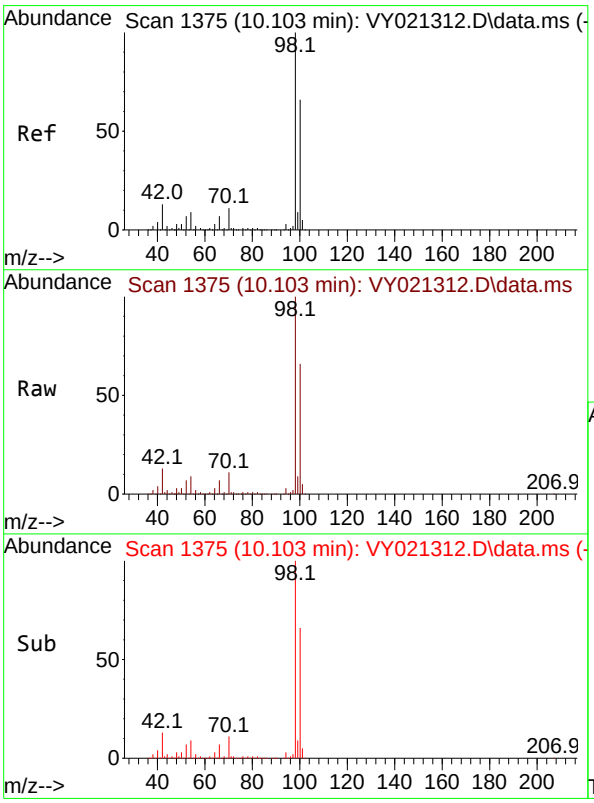
Supervised By :Mahesh Dadoda 02/26/2025

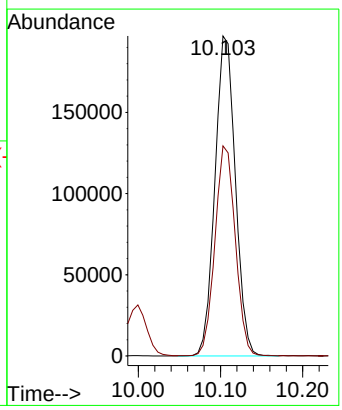


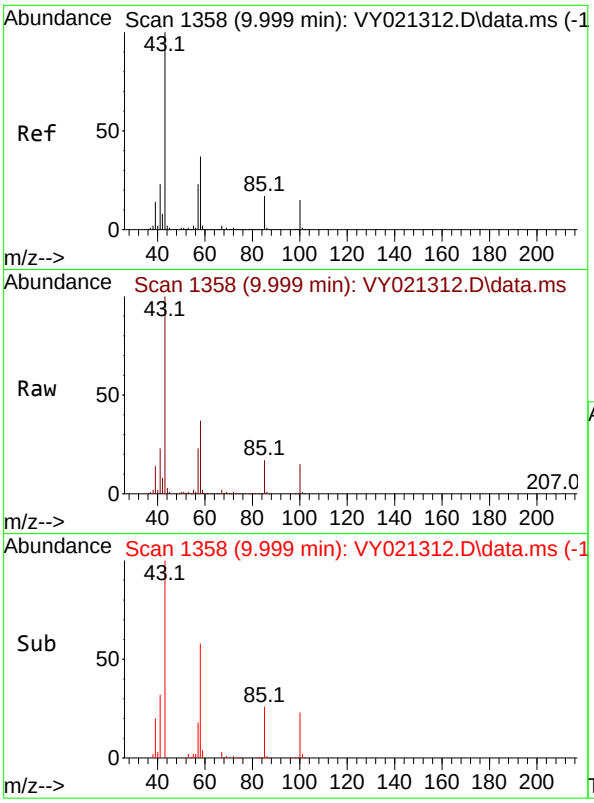




#50
Toluene-d8
Concen: 49.367 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 98 Resp: 340929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 52.4 | 78.6 |

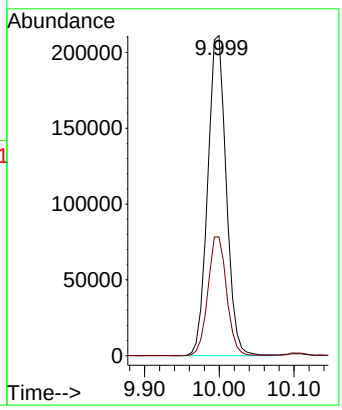





#51
4-Methyl-2-Pentanone
Concen: 275.485 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 36444

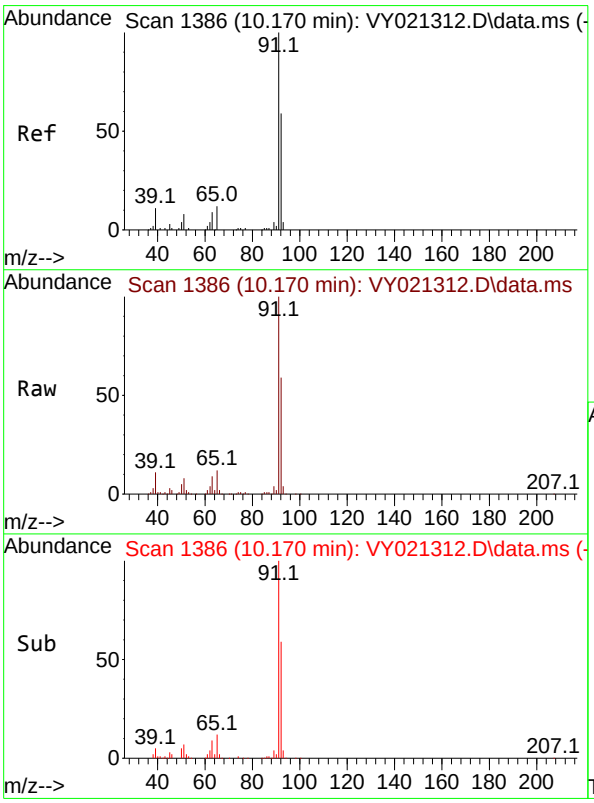
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.6 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

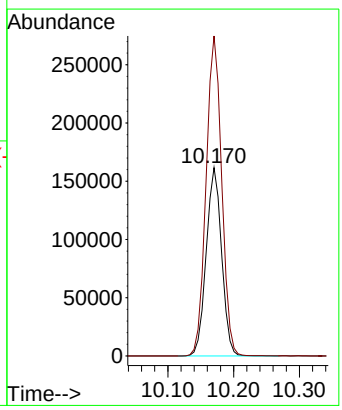
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

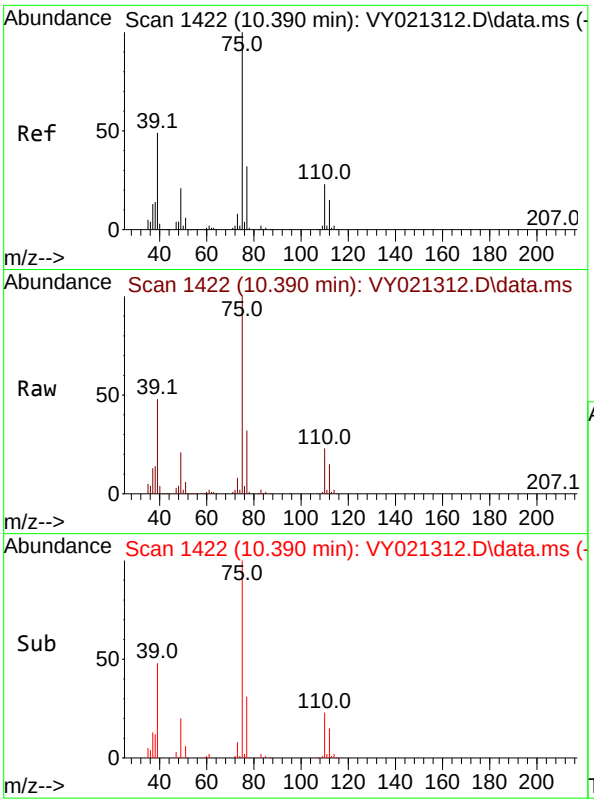



#52
Toluene
Concen: 53.367 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 92 Resp: 263062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.3 | 137.8 | 206.8 |

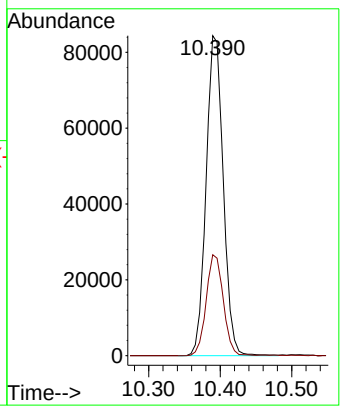





#53
t-1,3-Dichloropropene
Concen: 55.062 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 14039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.3 | 37.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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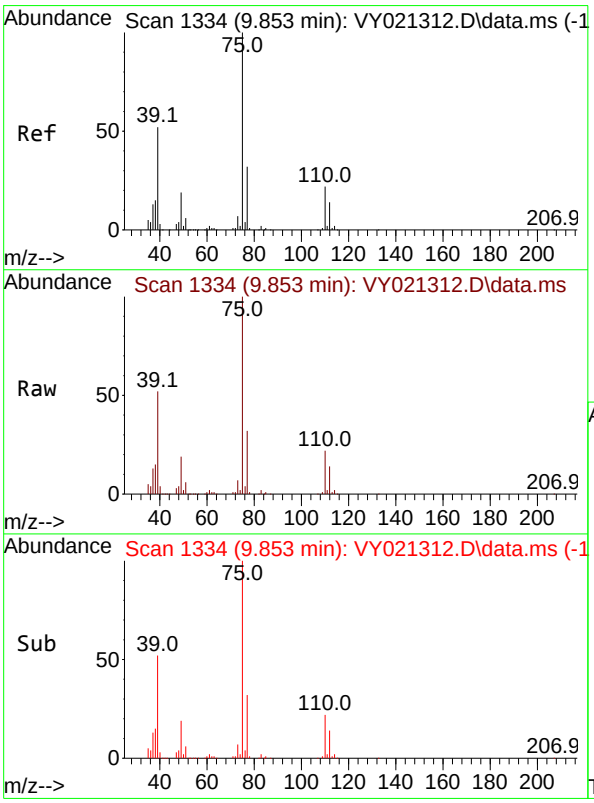
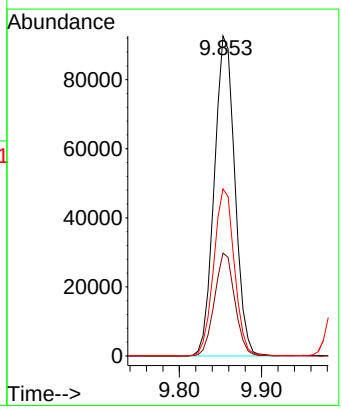
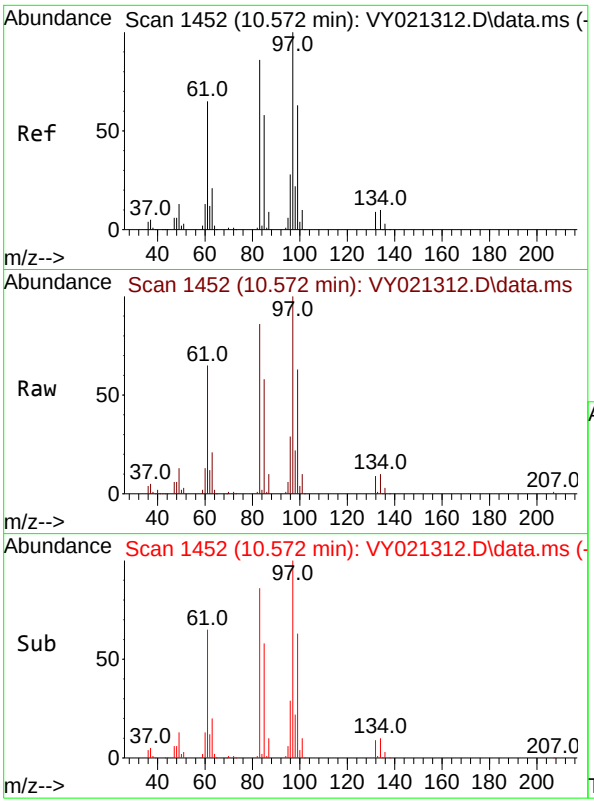



#54
cis-1,3-Dichloropropene
Concen: 53.492 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 161021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 25.7 | 38.5 |
| 39 | 52.2 | 41.8 | 62.6 |

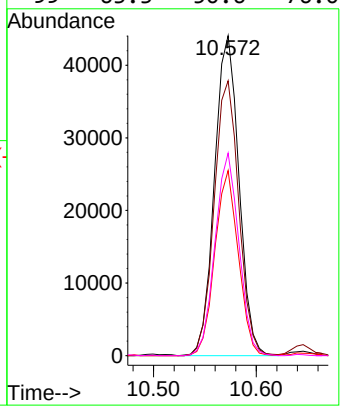





#55
1,1,2-Trichloroethane
Concen: 53.481 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 7272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.9 | 68.7 | 103.1 |
| 85 | 57.9 | 46.3 | 69.5 |
| 99 | 63.3 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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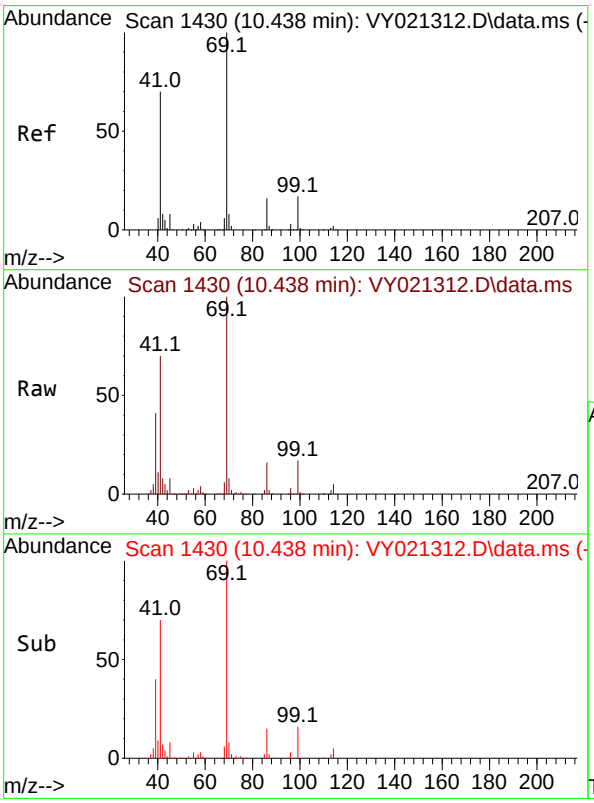
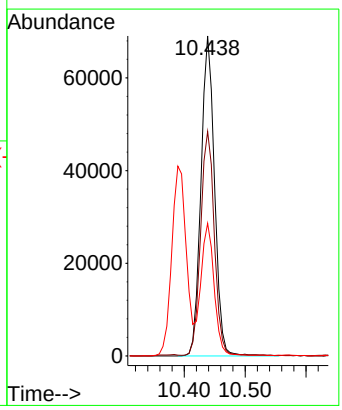
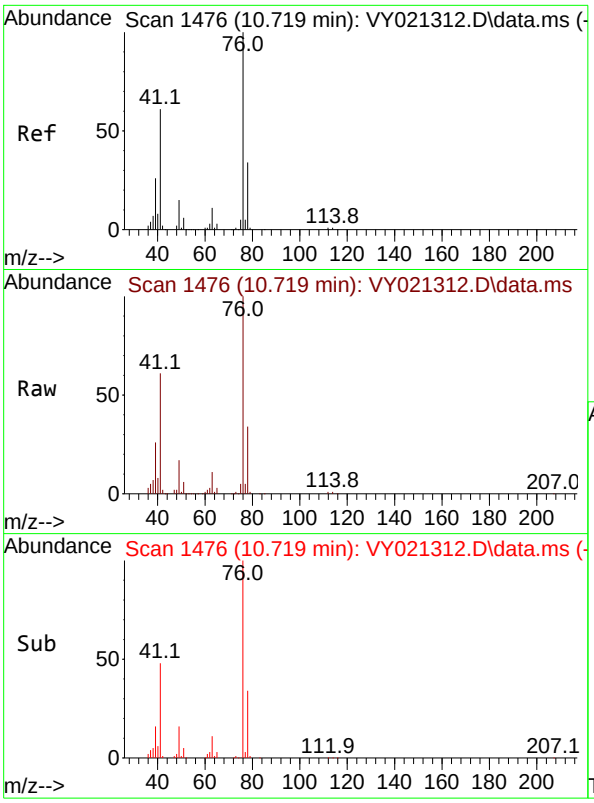



#56
Ethyl methacrylate
Concen: 56.904 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 69 Resp: 106914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.3 | 56.2 | 84.4 |
| 39 | 40.9 | 32.7 | 49.1 |






#57
1,3-Dichloropropane
Concen: 53.559 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 76 Resp: 12779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.9 | 38.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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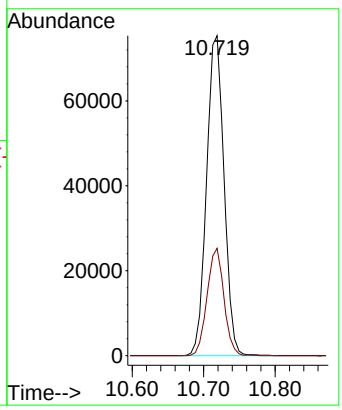
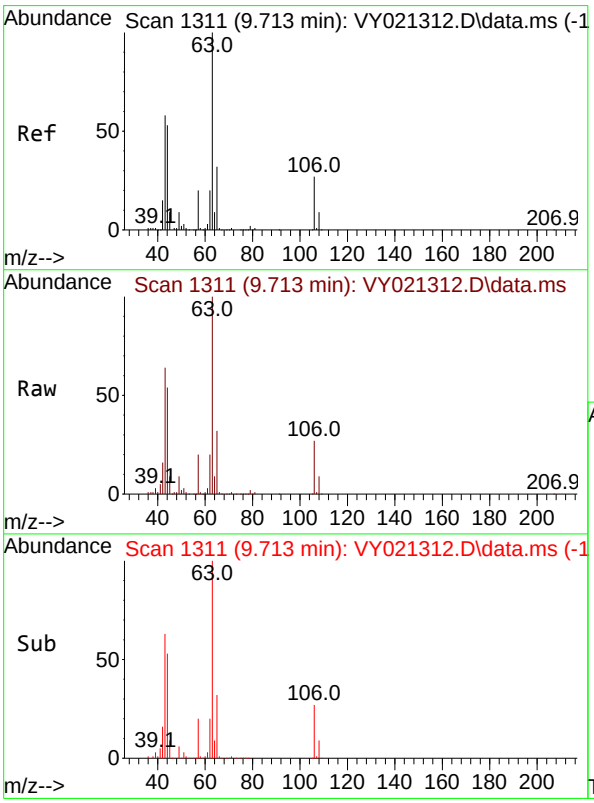
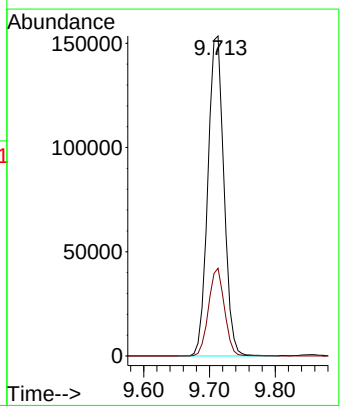


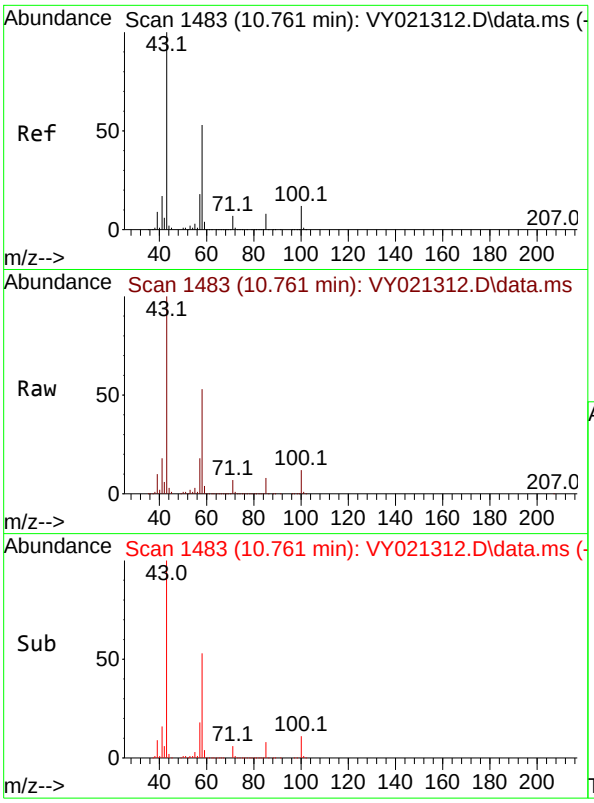




#58
2-Chloroethyl Vinyl ether
Concen: 289.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 260718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.1 | 21.7 | 32.5 |






#59
2-Hexanone
Concen: 287.258 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 24957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.7 | 25.9 | 77.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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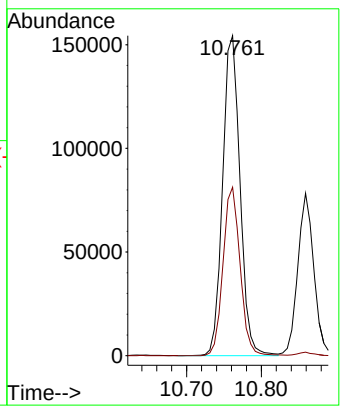
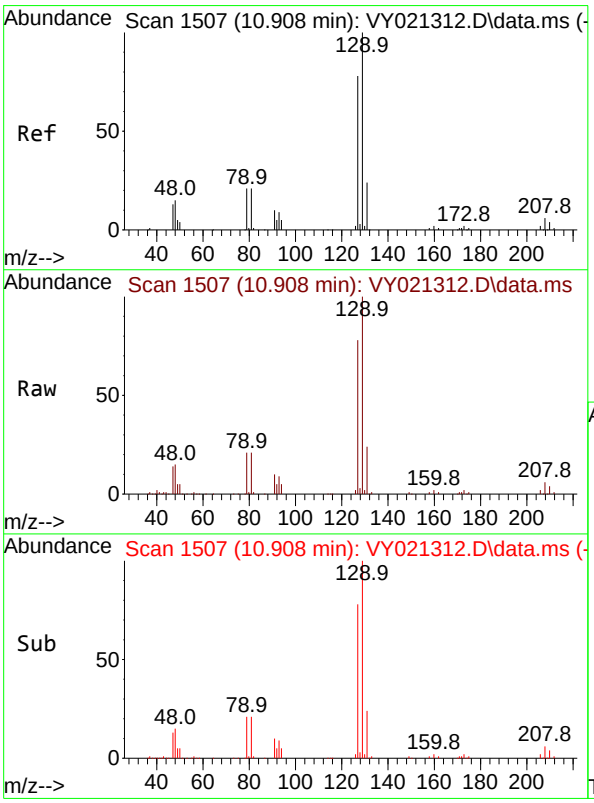
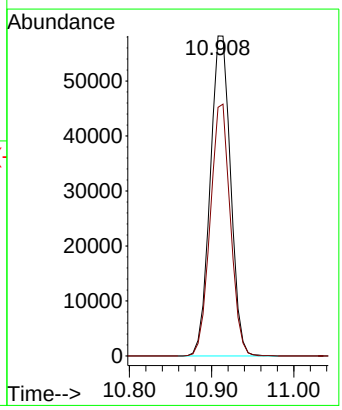


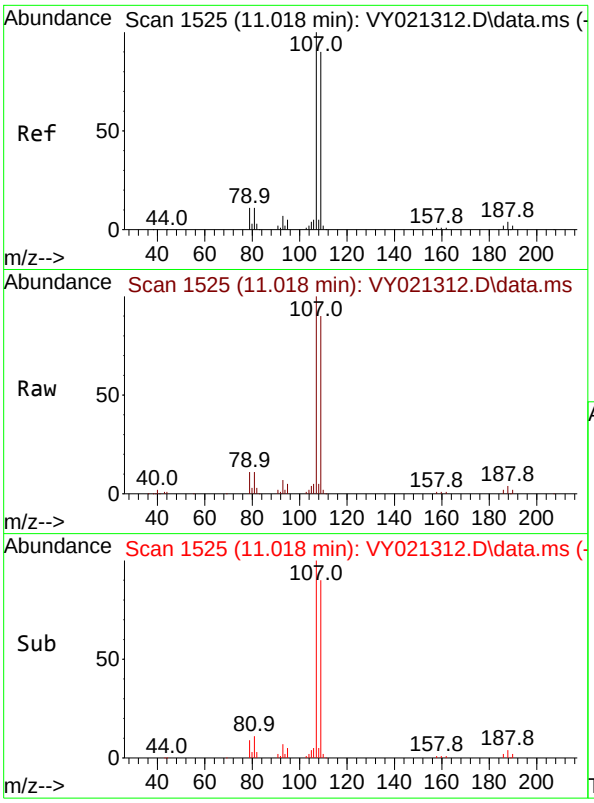




#60
Dibromochloromethane
Concen: 54.134 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:129 Resp: 100250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.8 | 116.4 |

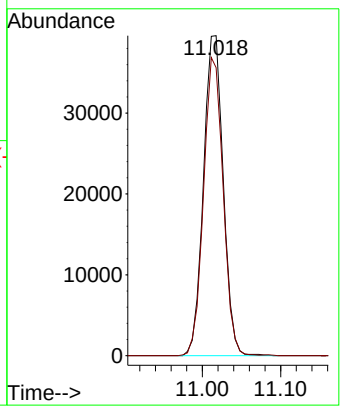





#61
1,2-Dibromoethane
Concen: 53.783 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:107 Resp: 6923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.3 | 73.8 | 110.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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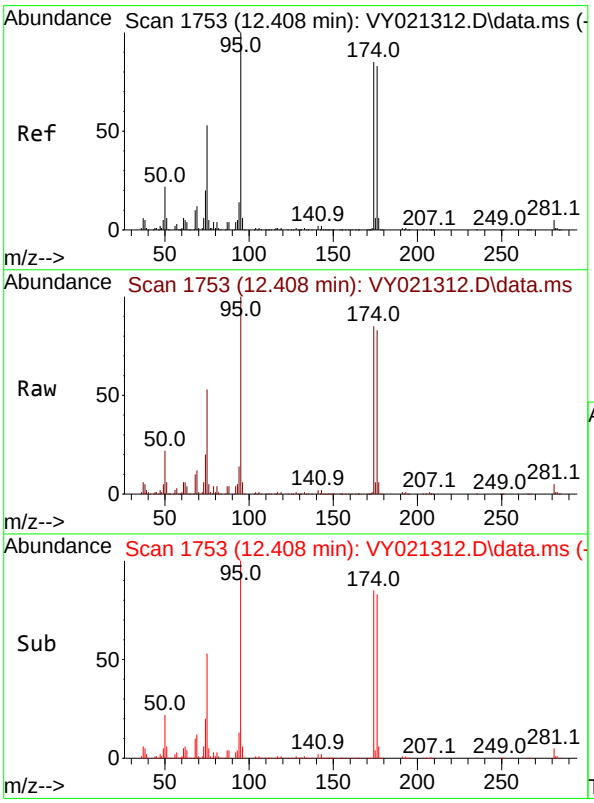
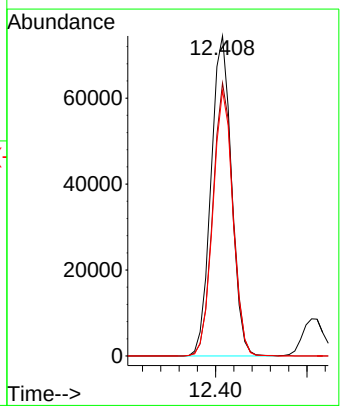
Supervised By :Mahesh Dadoda 02/26/2025

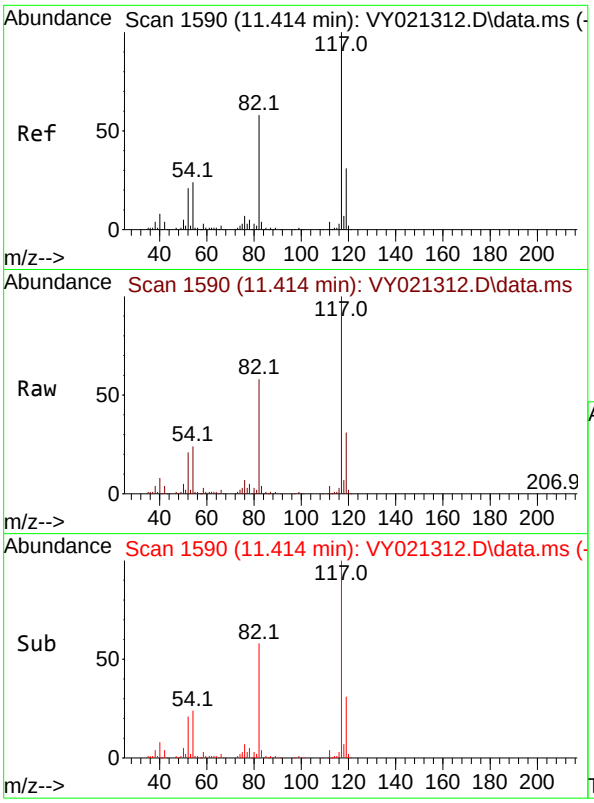



#62
4-Bromofluorobenzene
Concen: 49.652 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 95 Resp: 115401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.0 | 0.0 | 168.0 |
| 176 | 81.3 | 0.0 | 162.6 |

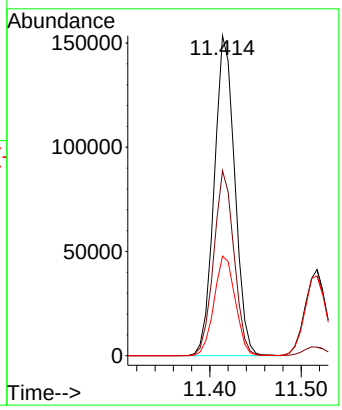





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 23972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.8 | 46.2 | 69.4 |
| 119 | 31.1 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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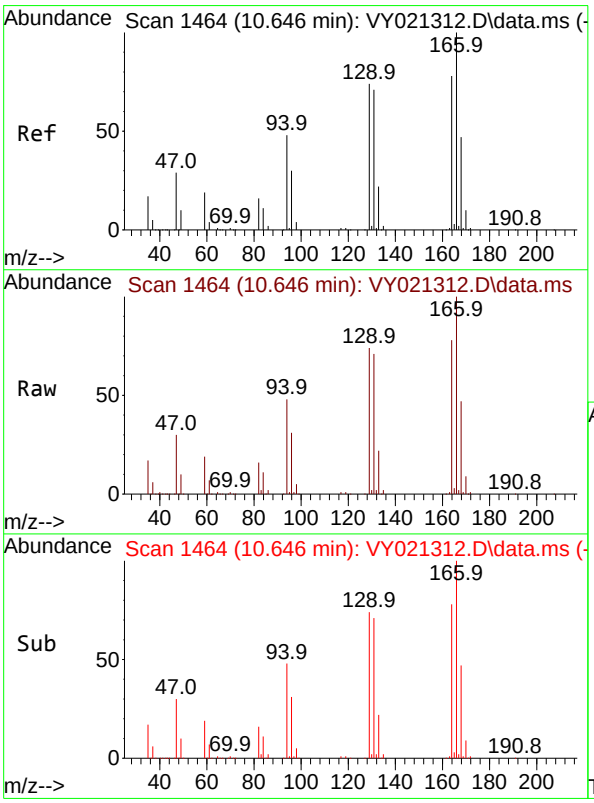
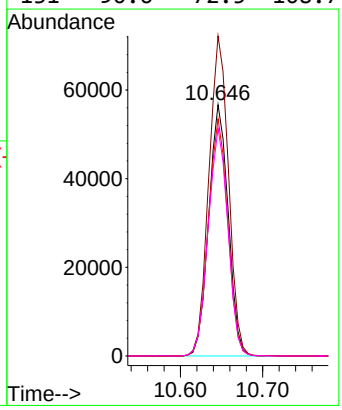
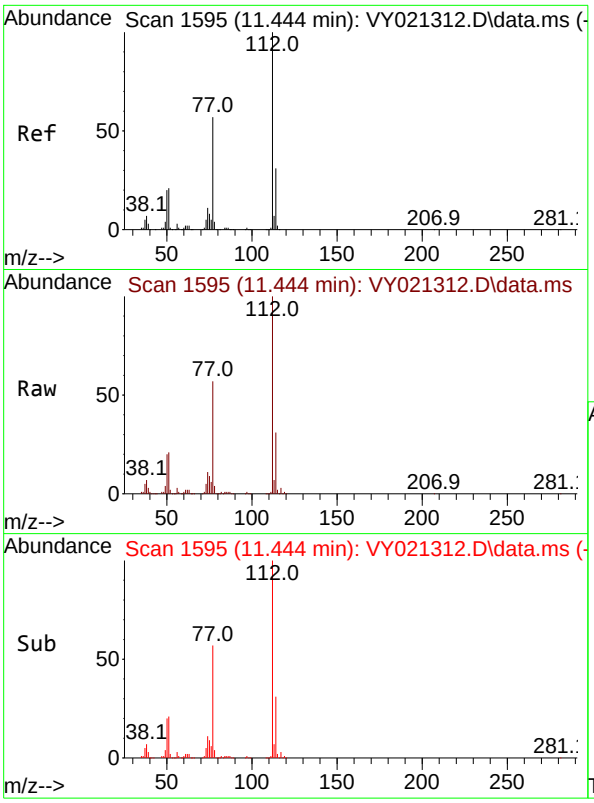



#64
Tetrachloroethene
Concen: 51.501 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:164 Resp: 93317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.4 | 101.9 | 152.9 |
| 129 | 94.4 | 75.5 | 113.3 |
| 131 | 90.6 | 72.5 | 108.7 |

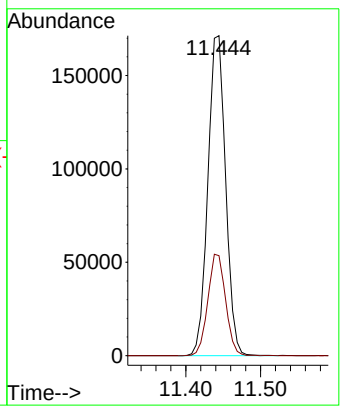





#65
Chlorobenzene
Concen: 52.390 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:112 Resp: 28191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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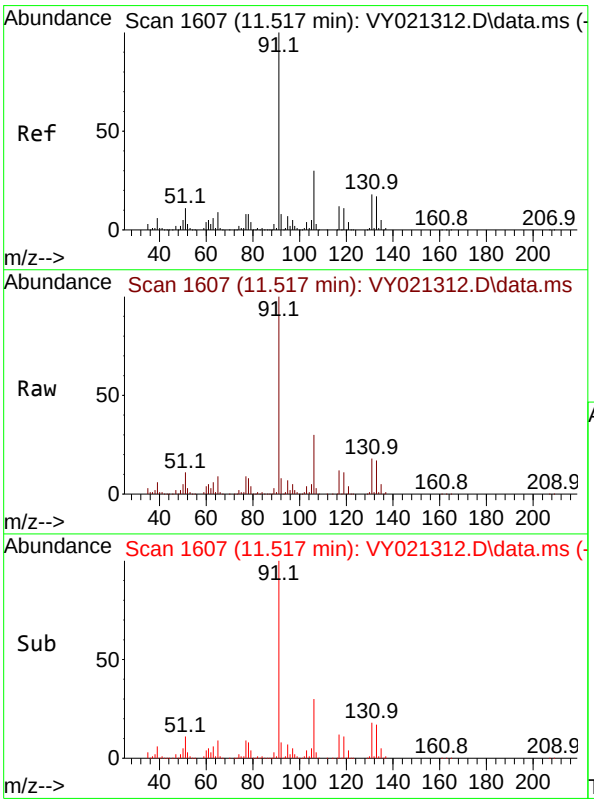
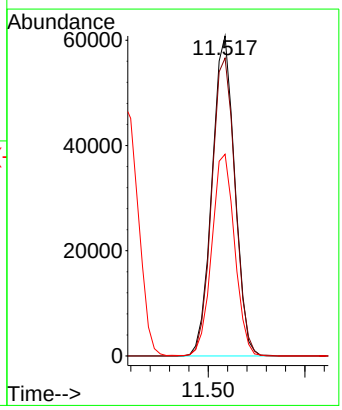
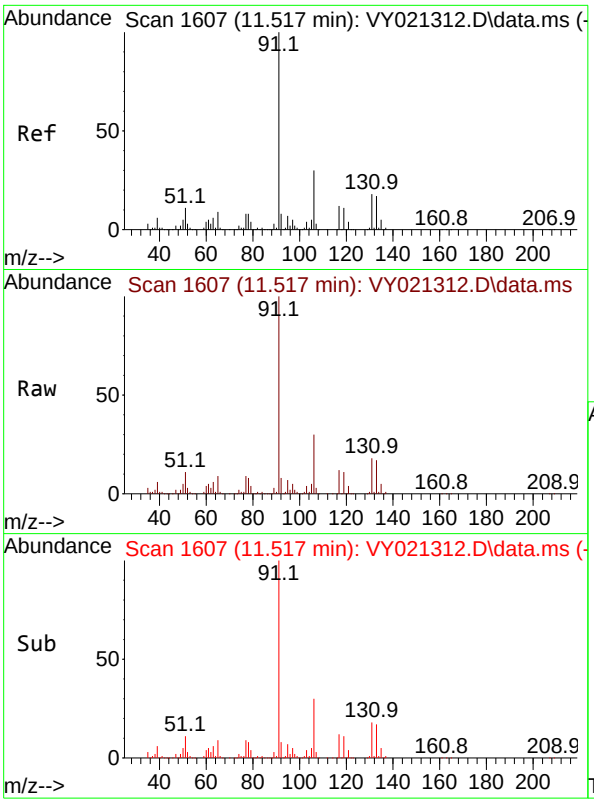



#66
1,1,1,2-Tetrachloroethane
Concen: 52.611 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:131 Resp: 99131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.7 | 47.9 | 143.6 |
| 119 | 63.4 | 31.7 | 95.1 |

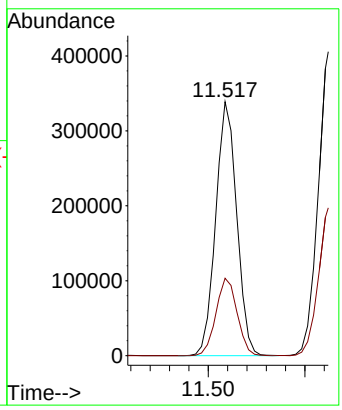





#67
Ethyl Benzene
Concen: 53.573 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 51063

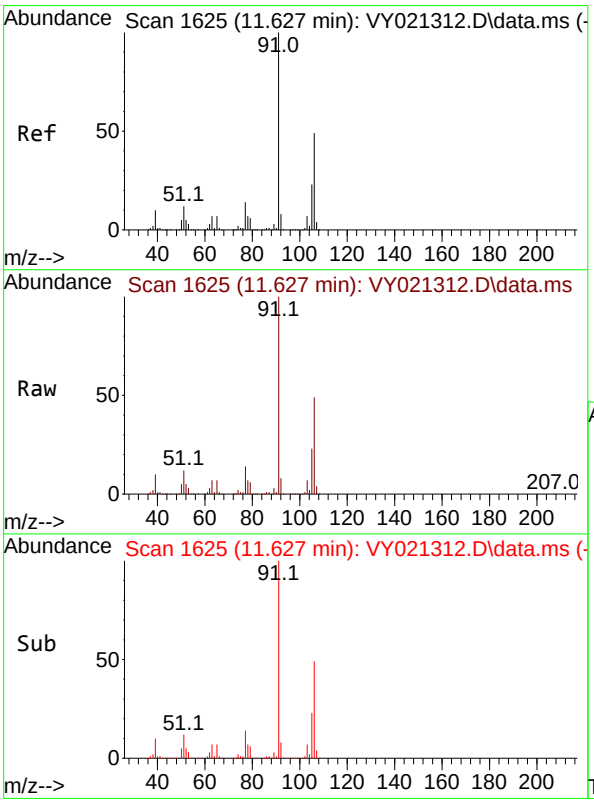
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.4 | 36.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

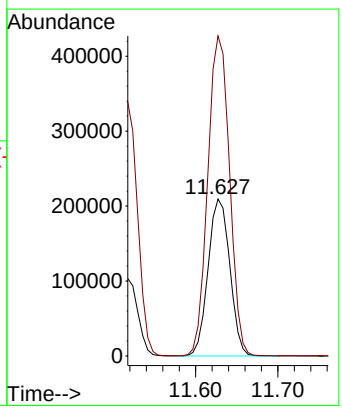
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

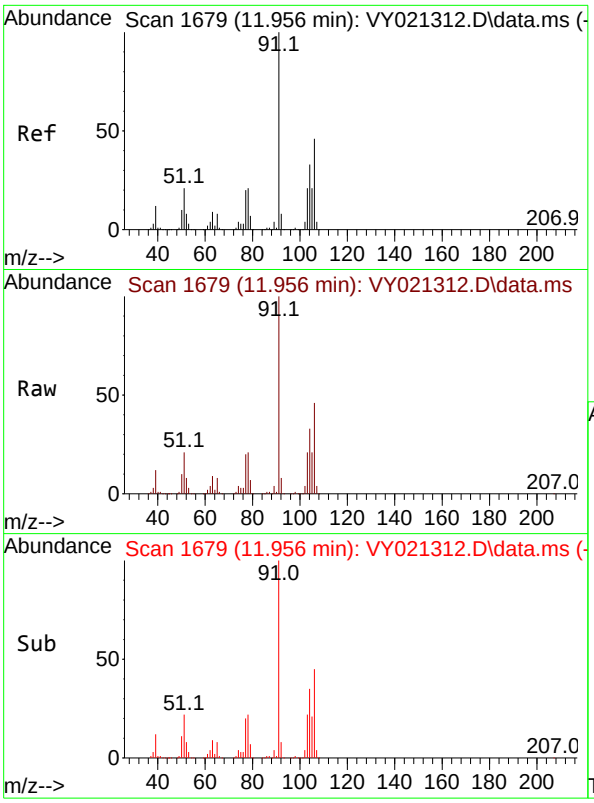



#68
m/p-Xylenes
Concen: 107.204 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:106 Resp: 384346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.9 | 163.9 | 245.9 |






#69
o-Xylene
Concen: 54.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:106 Resp: 18172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.1 | 108.1 | 324.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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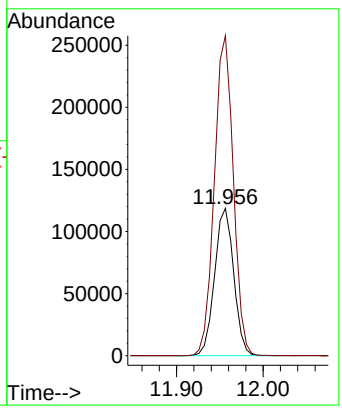
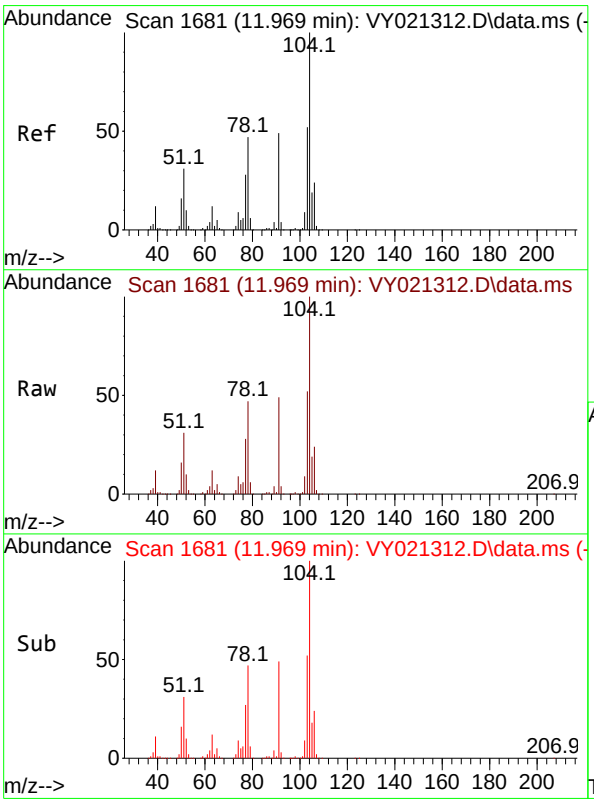
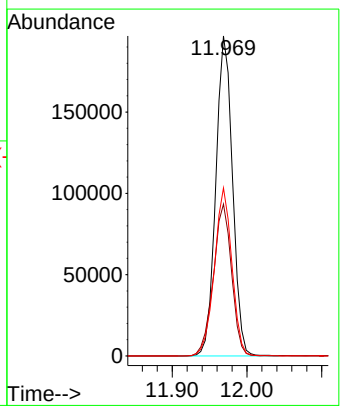


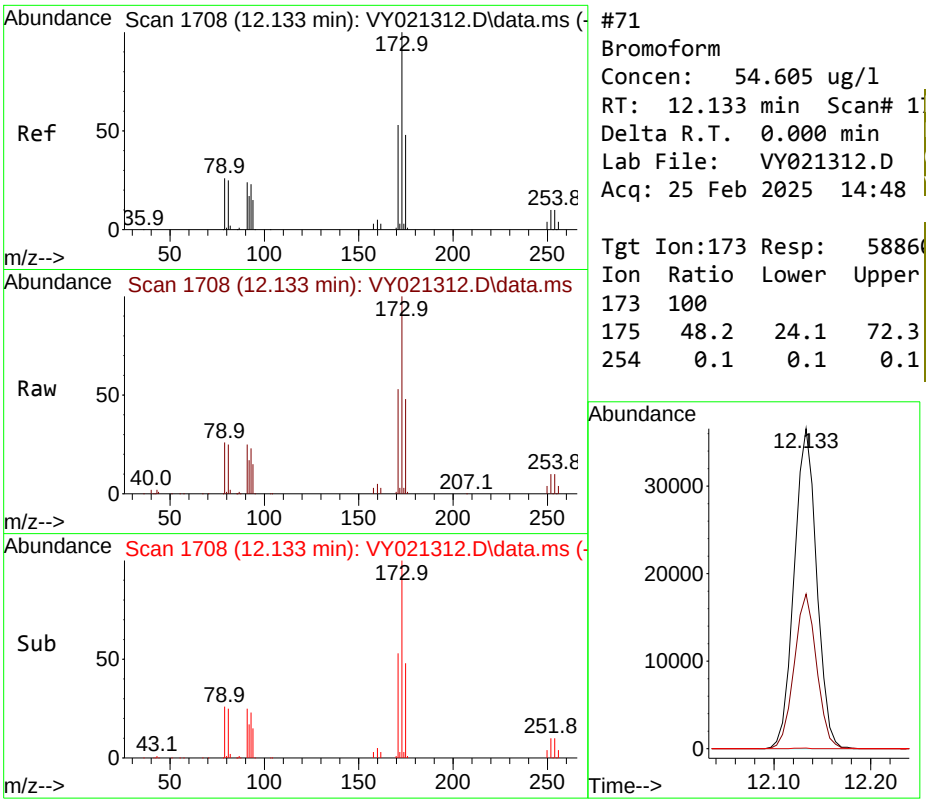




#70
Styrene
Concen: 54.760 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:104 Resp: 306007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.6 | 41.3 | 61.9 |
| 103 | 54.9 | 43.9 | 65.9 |






#71
Bromoform
Concen: 54.605 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:173 Resp: 5886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 24.1 | 72.3 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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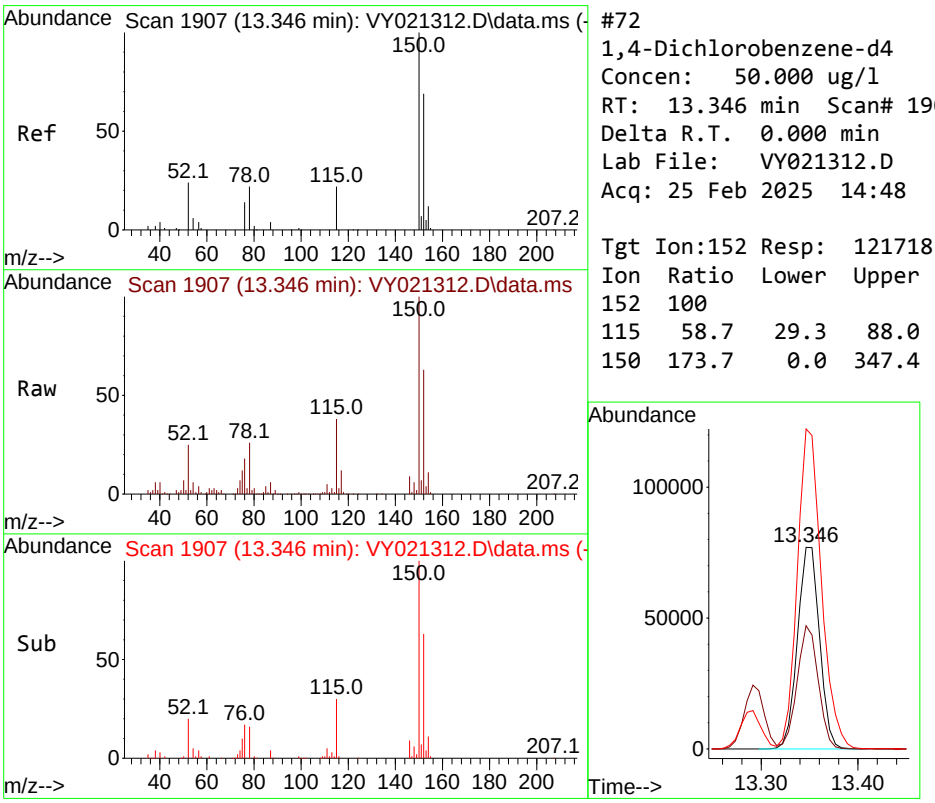
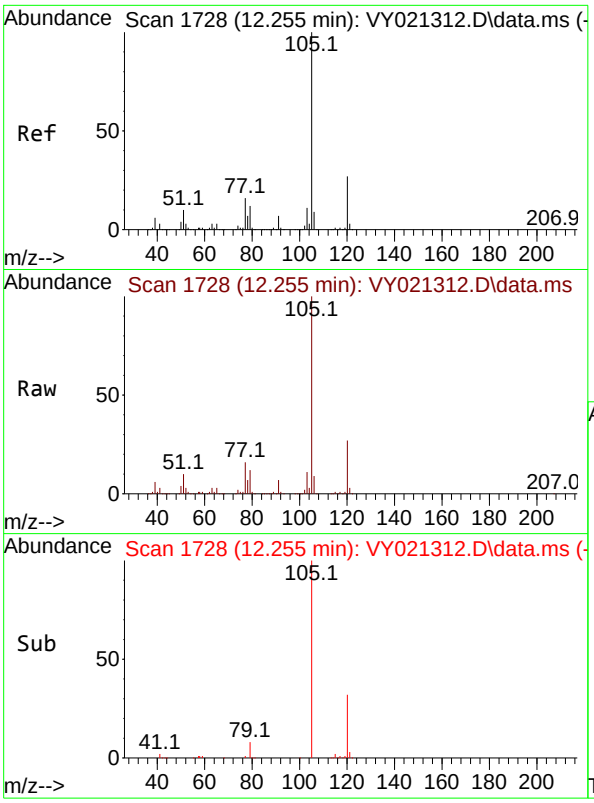



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:152 Resp: 121718

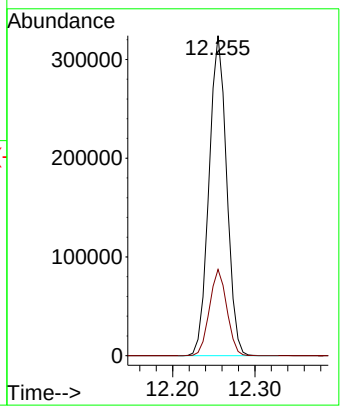
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.7 | 29.3 | 88.0 |
| 150 | 173.7 | 0.0 | 347.4 |




#73
Isopropylbenzene
Concen: 52.885 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 48393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.3 | 39.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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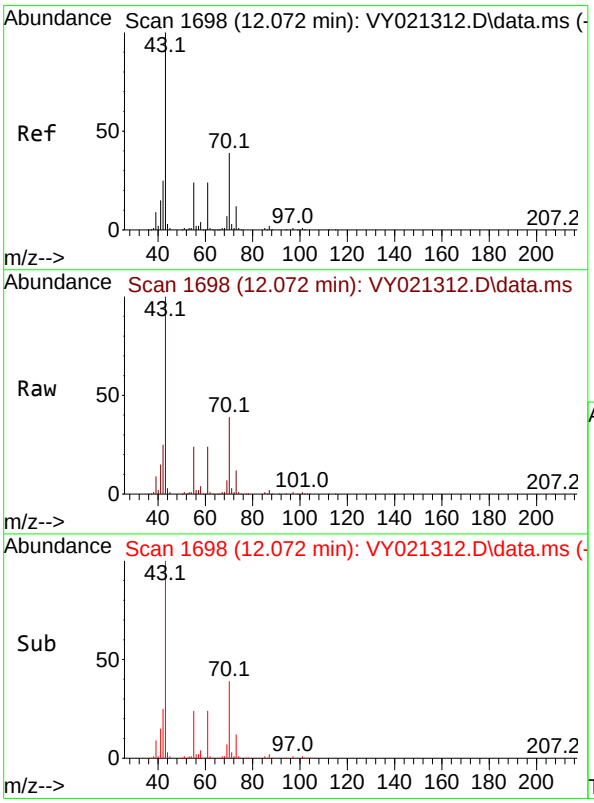
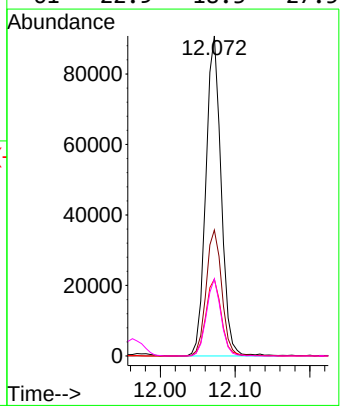
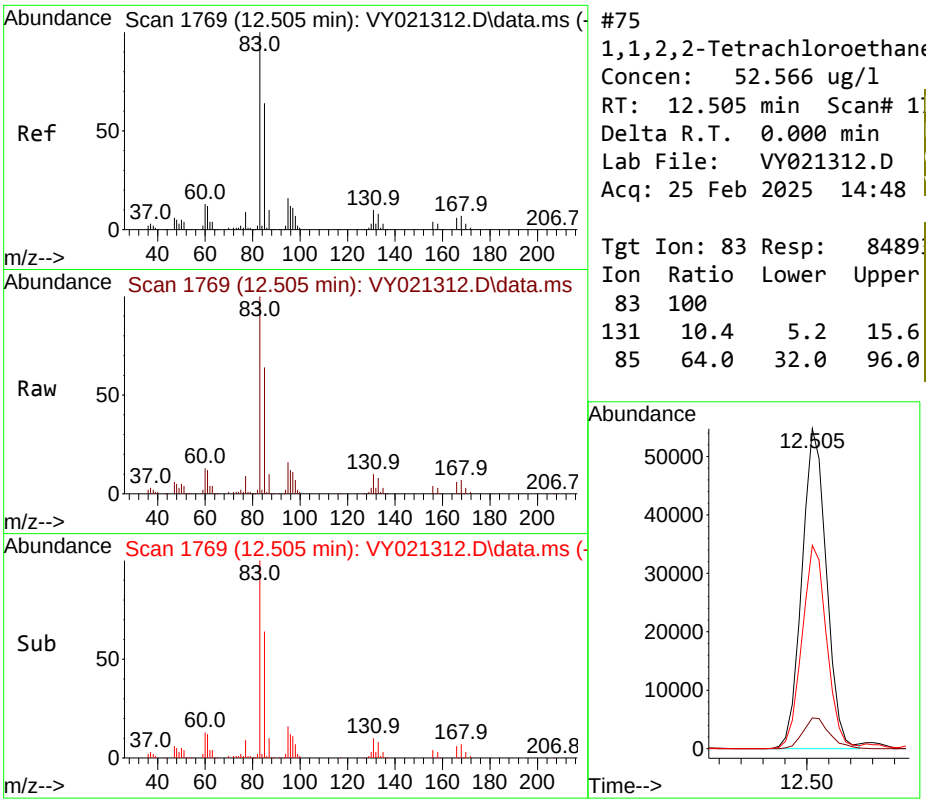



#74
N-amyl acetate
Concen: 55.471 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 129020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 32.2 | 48.2 |
| 55 | 24.5 | 19.6 | 29.4 |
| 61 | 22.9 | 18.3 | 27.5 |






#75
1,1,2,2-Tetrachloroethane
Concen: 52.566 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 8489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 5.2 | 15.6 |
| 85 | 64.0 | 32.0 | 96.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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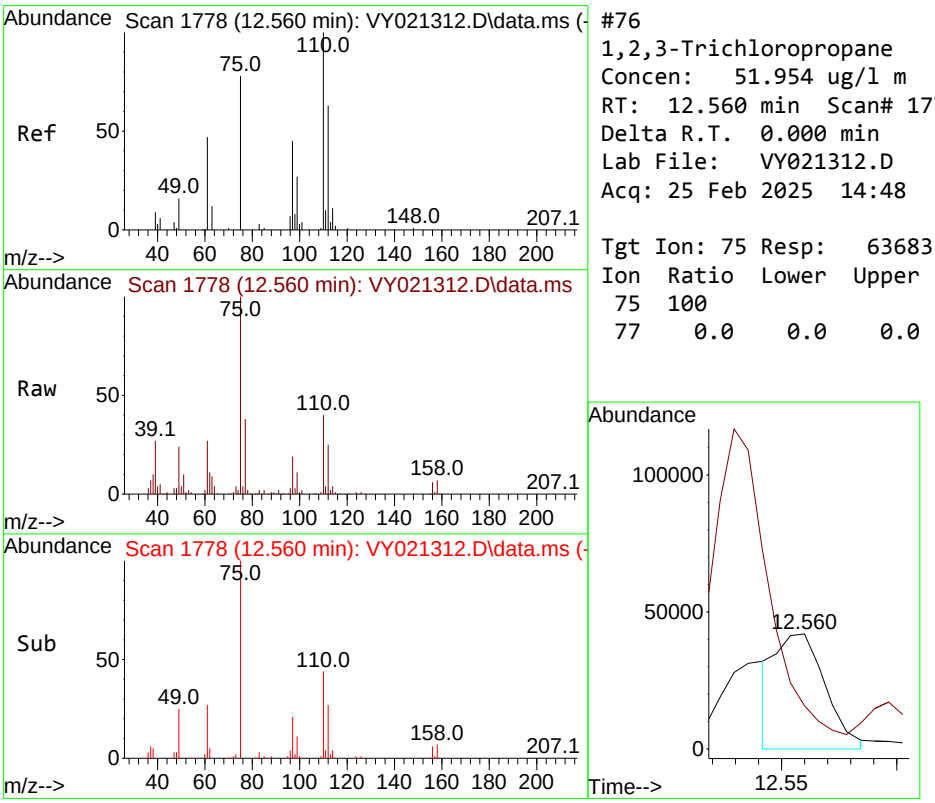
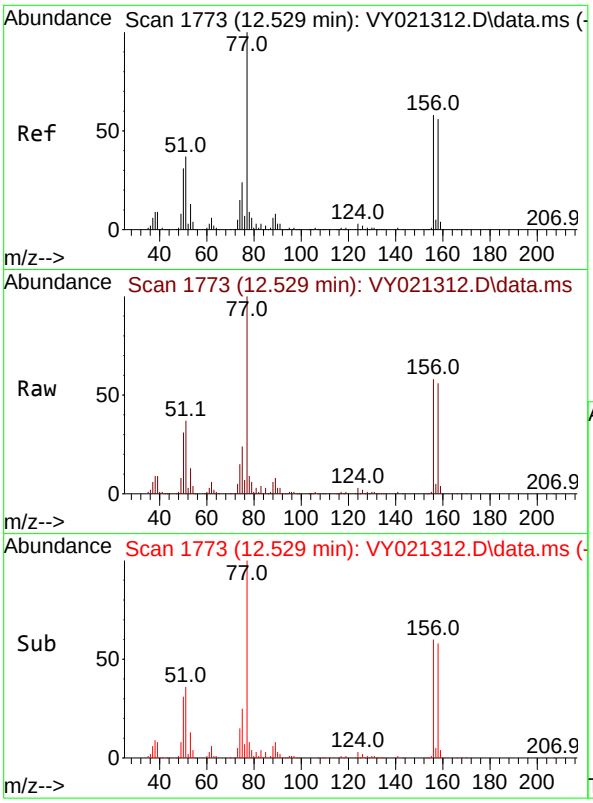



#76
1,2,3-Trichloropropane
Concen: 51.954 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 63683

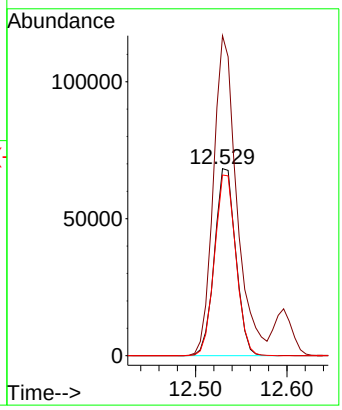
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |




#77
Bromobenzene
Concen: 51.935 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:156 Resp: 11053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 188.1 | 94.0 | 282.1 |
| 158 | 97.4 | 48.7 | 146.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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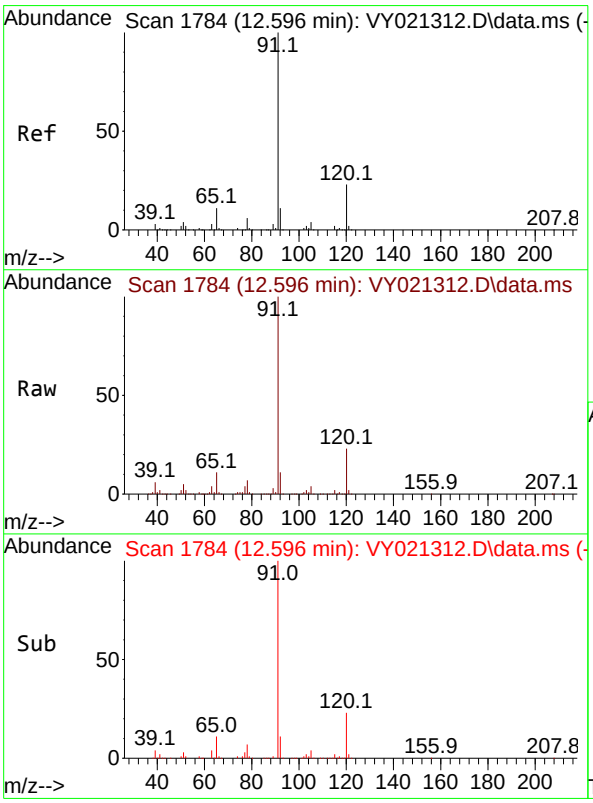
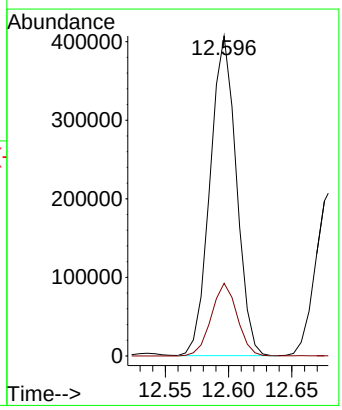
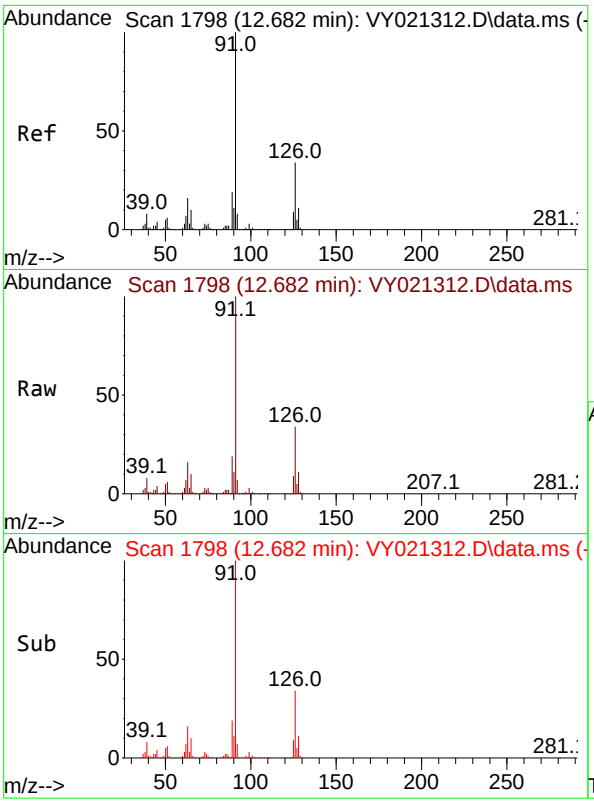



#78
n-propylbenzene
Concen: 52.946 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 587915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.2 | 33.5 |

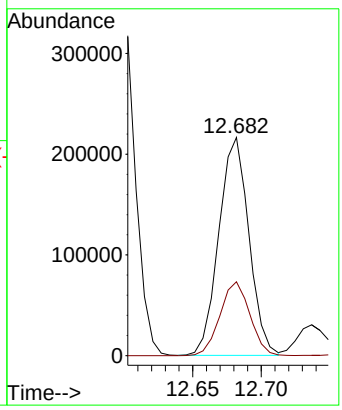





#79
2-Chlorotoluene
Concen: 51.857 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 33047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 16.9 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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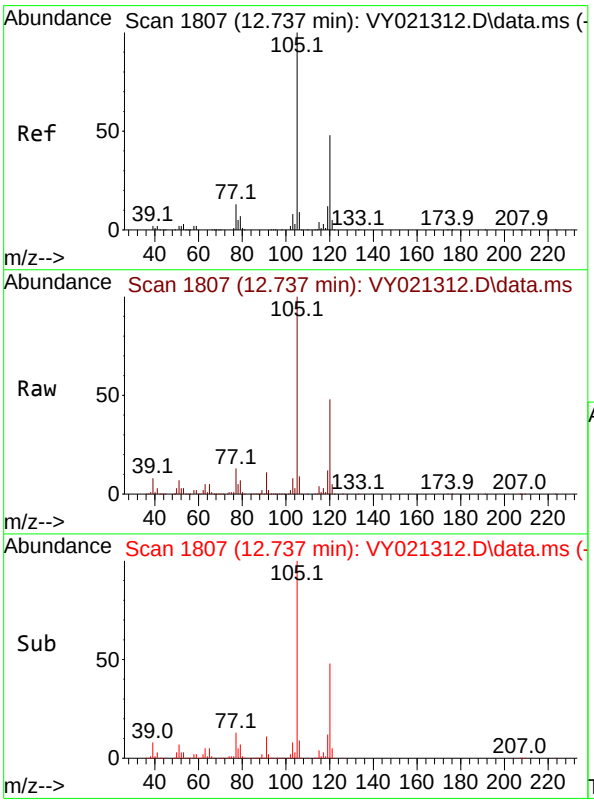
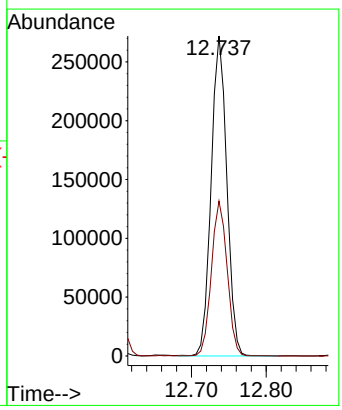
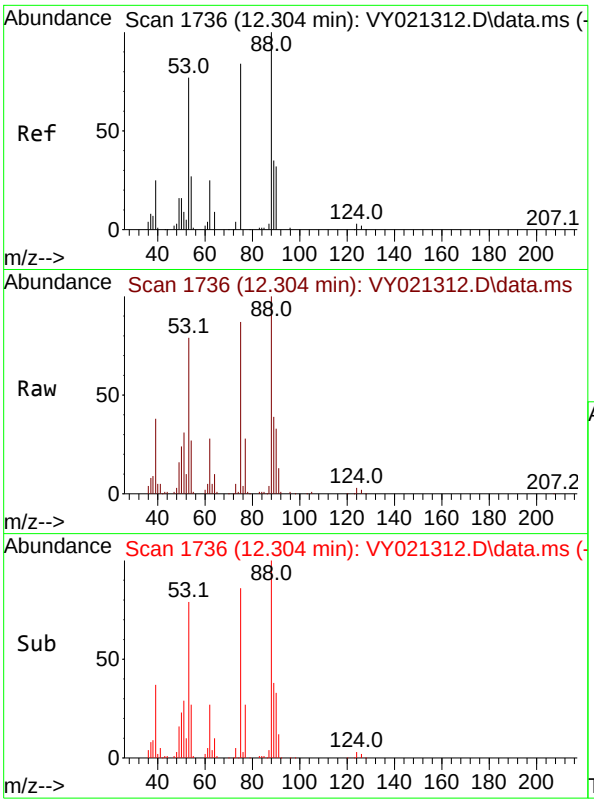



#80
1,3,5-Trimethylbenzene
Concen: 52.712 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.7 | 24.3 | 73.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 54.090 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 2964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.9 | 79.1 | 118.7 |
| 89 | 44.5 | 35.6 | 53.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

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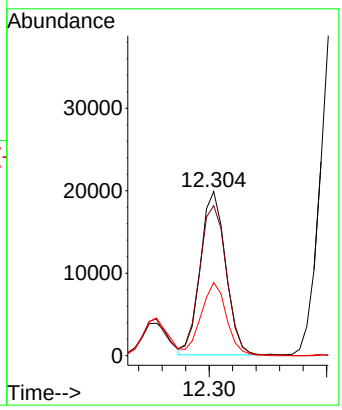
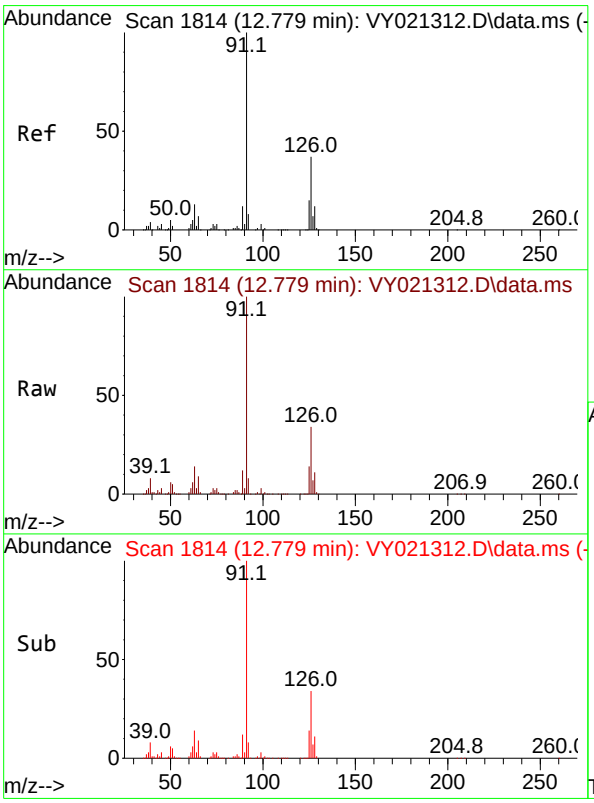
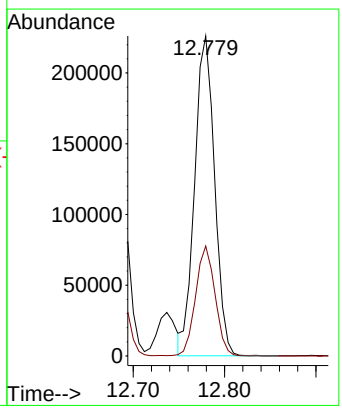


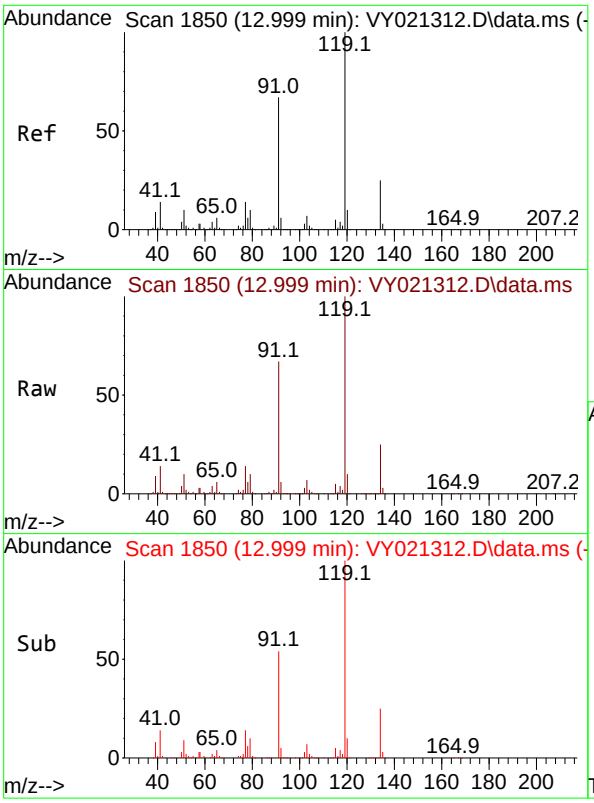




#82
4-Chlorotoluene
Concen: 51.864 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 342611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.8 | 50.4 |

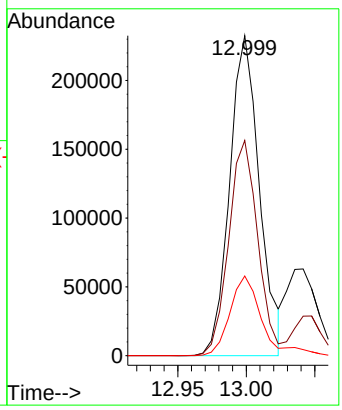





#83
tert-Butylbenzene
Concen: 51.930 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 35205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.4 | 32.7 | 98.1 |
| 134 | 26.6 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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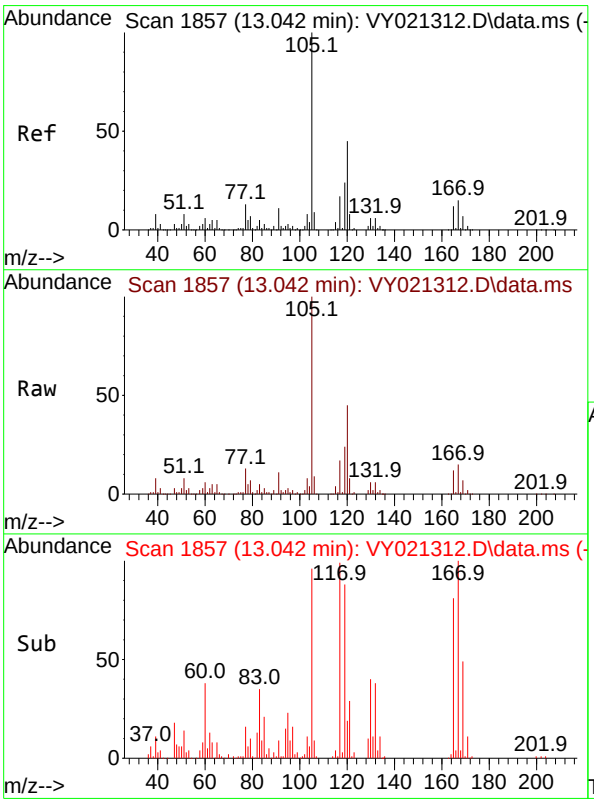
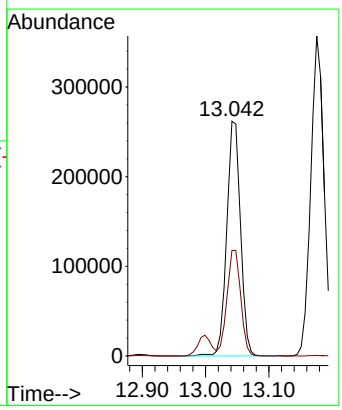
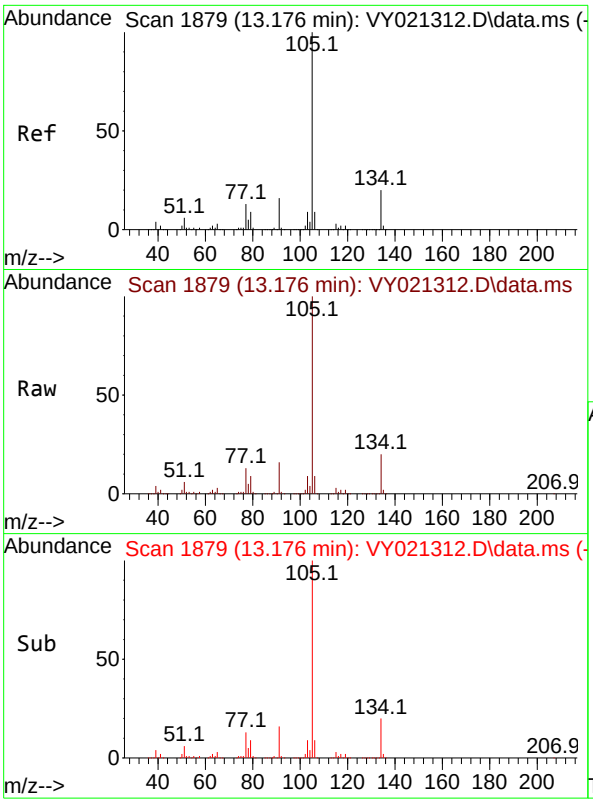



#84
1,2,4-Trimethylbenzene
Concen: 52.962 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.9 | 22.4 | 67.3 |

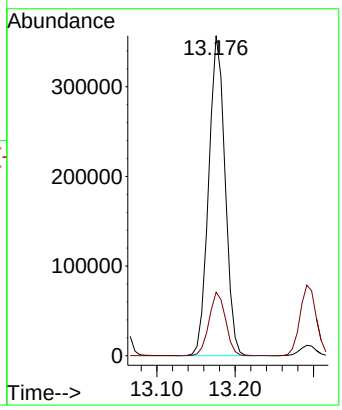





#85
sec-Butylbenzene
Concen: 52.319 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 51809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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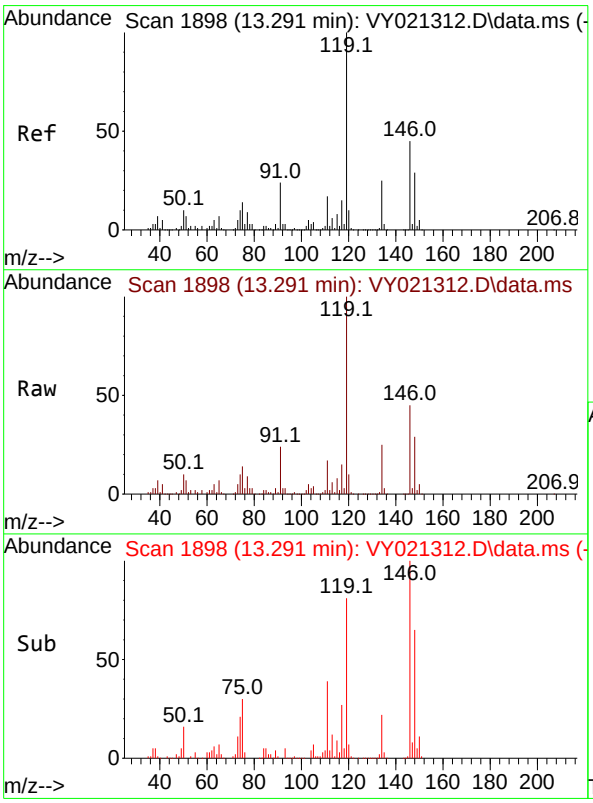
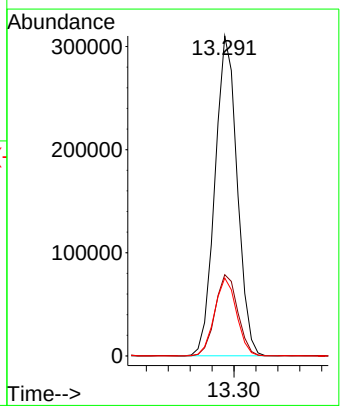
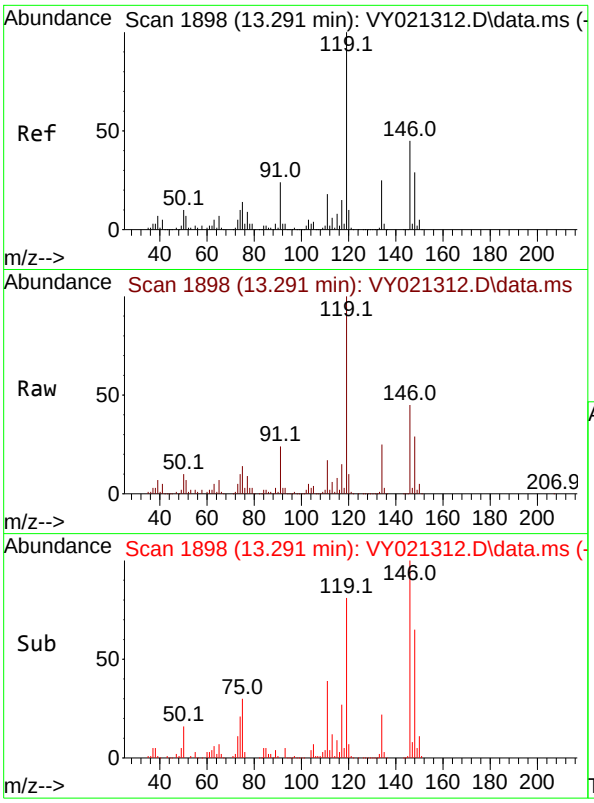



#86
p-Isopropyltoluene
Concen: 52.884 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 437283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.0 | 38.9 |
| 91 | 24.1 | 12.0 | 36.1 |

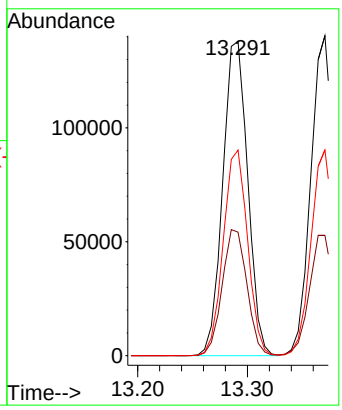





#87
1,3-Dichlorobenzene
Concen: 51.811 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 21813

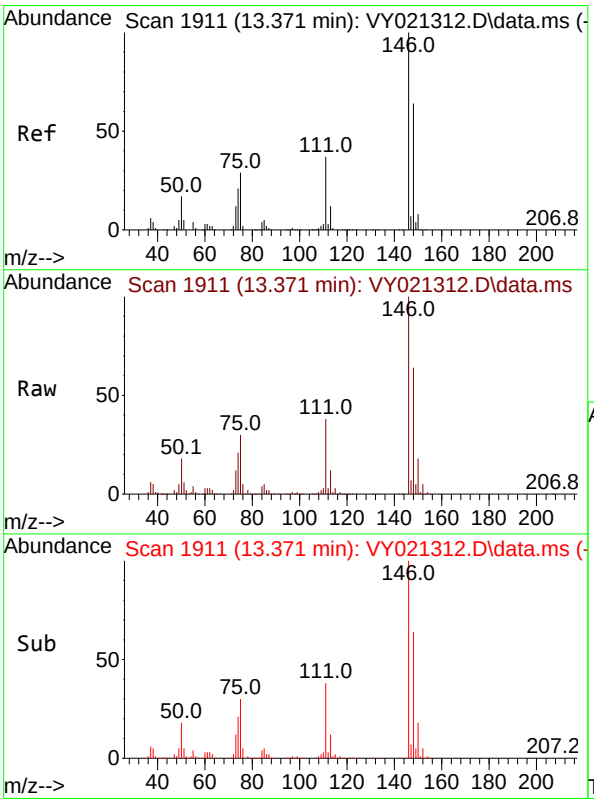
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 20.0 | 59.9 |
| 148 | 63.9 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

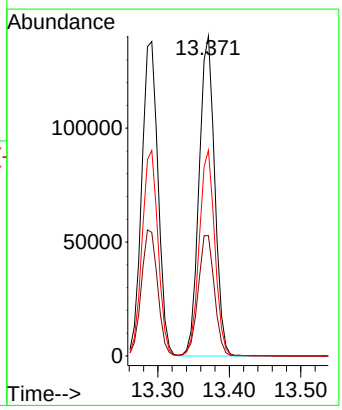
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

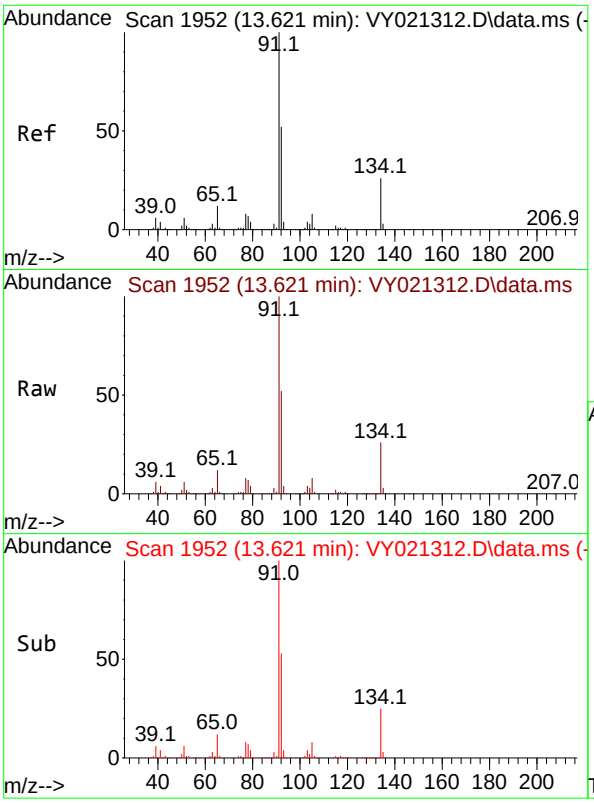



#88
1,4-Dichlorobenzene
Concen: 51.233 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 213090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.0 | 19.5 | 58.5 |
| 148 | 64.1 | 32.0 | 96.2 |

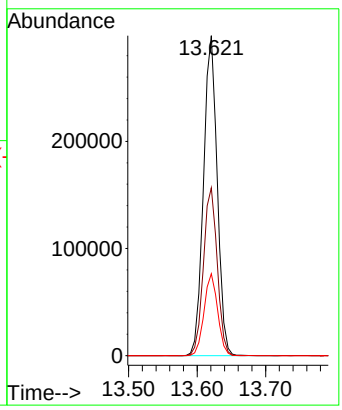





#89
n-Butylbenzene
Concen: 53.510 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 41637

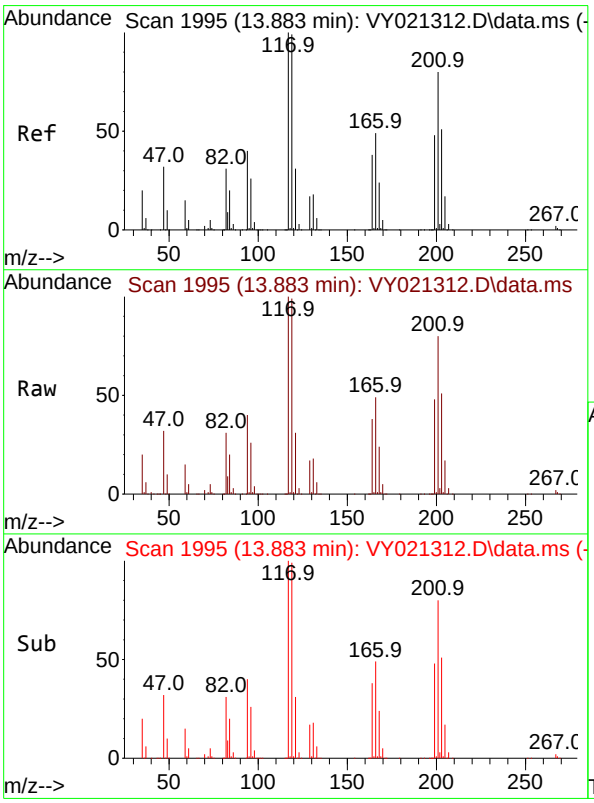
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.4 | 79.2 |
| 134 | 25.3 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

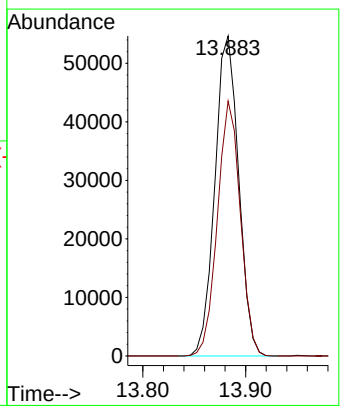
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

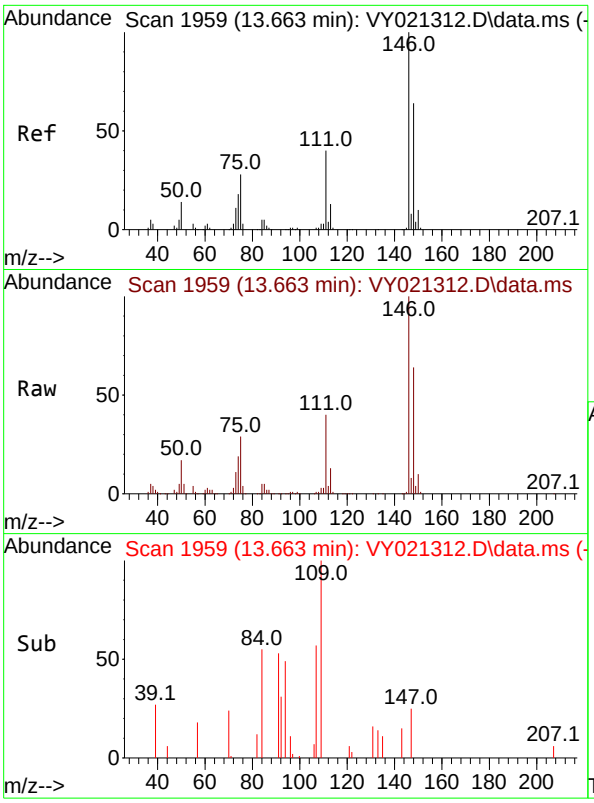



#90
Hexachloroethane
Concen: 50.814 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 87765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.8 | 38.4 | 115.2 |

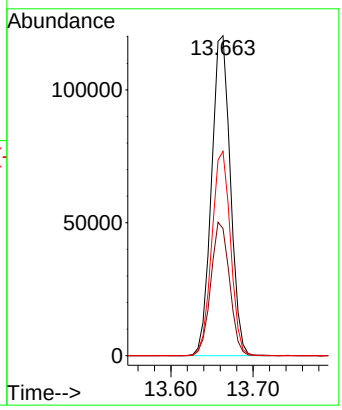





#91
1,2-Dichlorobenzene
Concen: 51.985 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 19175

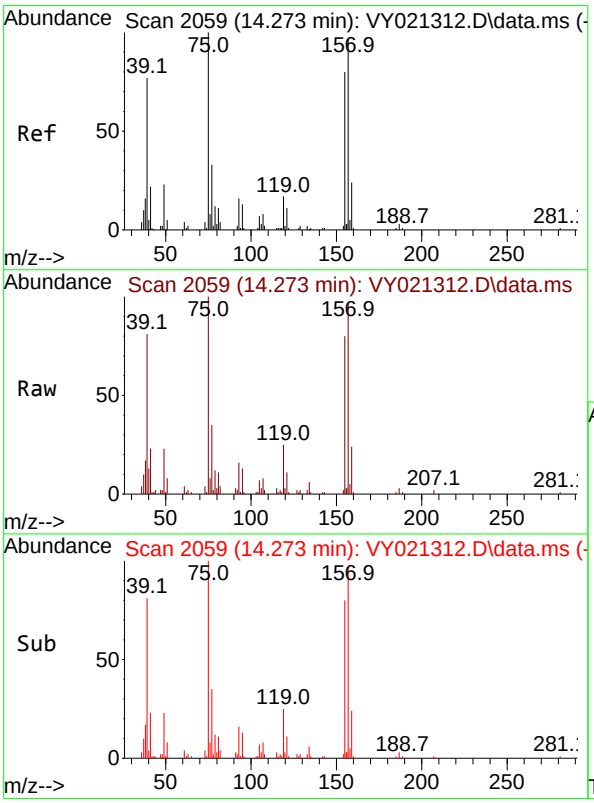
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 20.7 | 62.1 |
| 148 | 63.4 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

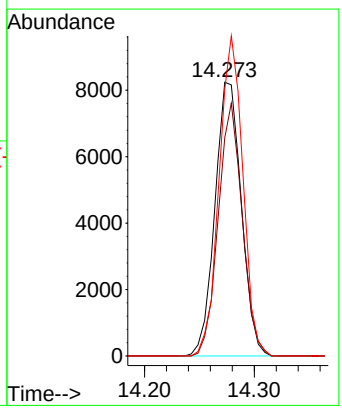
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

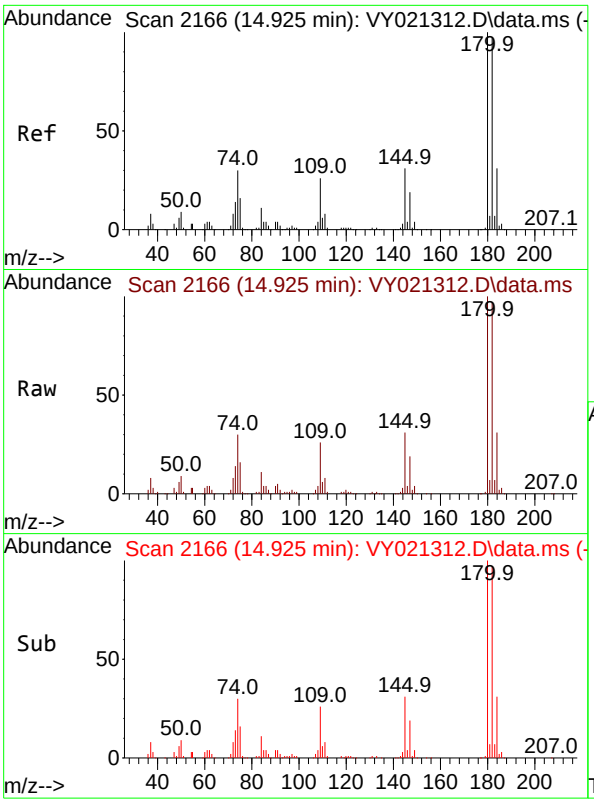



#92
1,2-Dibromo-3-Chloropropane
Concen: 53.947 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 13782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.7 | 41.9 | 125.6 |
| 157 | 105.1 | 52.5 | 157.6 |

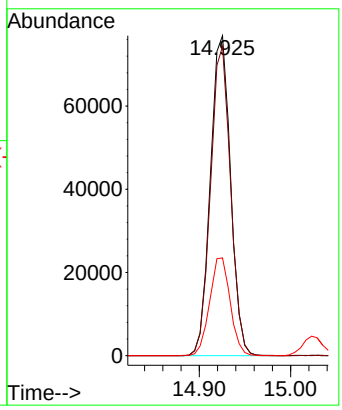





#93
1,2,4-Trichlorobenzene
Concen: 52.360 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 11788

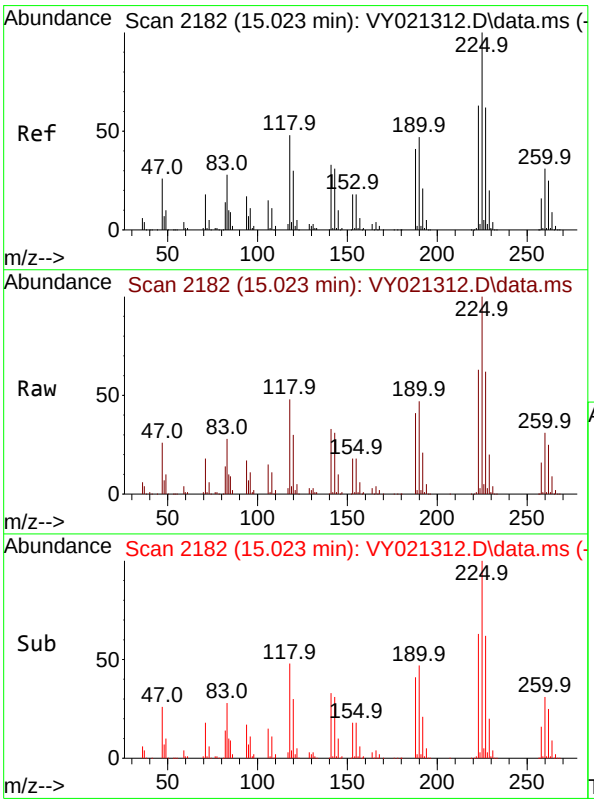
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 47.9 | 143.7 |
| 145 | 31.2 | 15.6 | 46.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

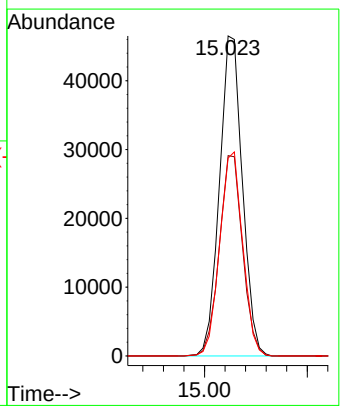
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

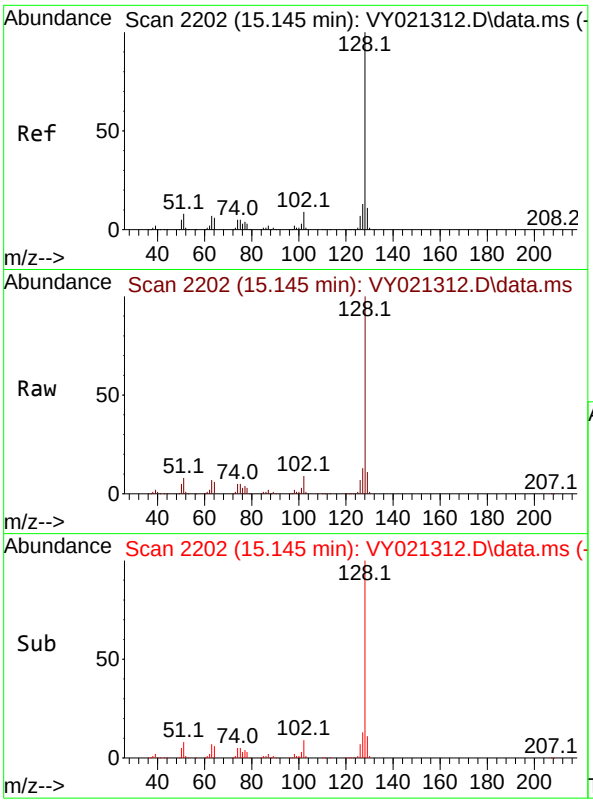



#94
Hexachlorobutadiene
Concen: 50.738 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:225 Resp: 71915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 31.8 | 95.4 |
| 227 | 63.8 | 31.9 | 95.7 |

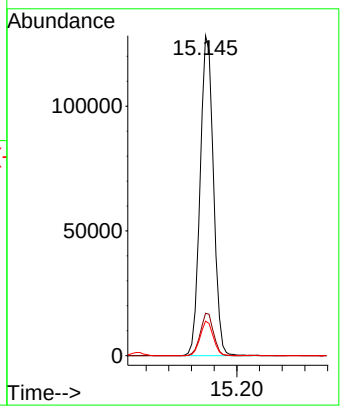





#95
Naphthalene
Concen: 56.174 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:128 Resp: 20947

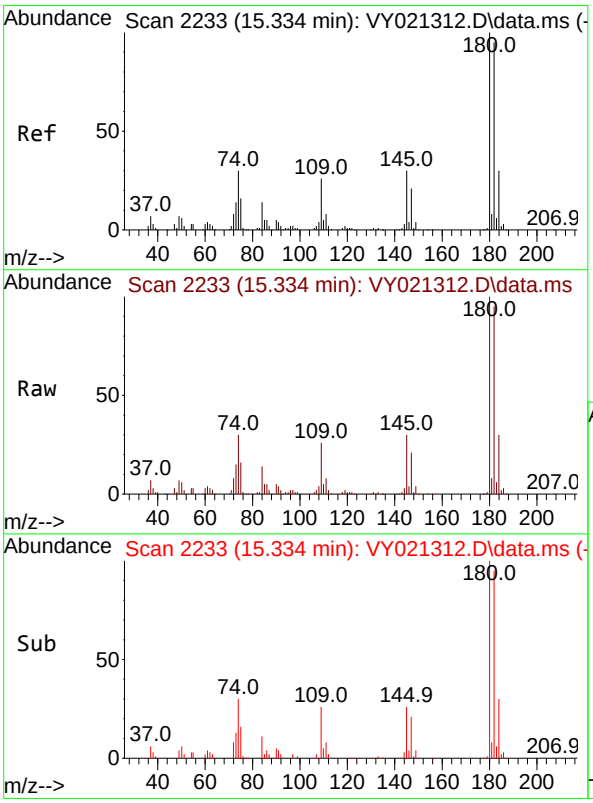
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.5 | 15.7 |
| 129 | 10.6 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

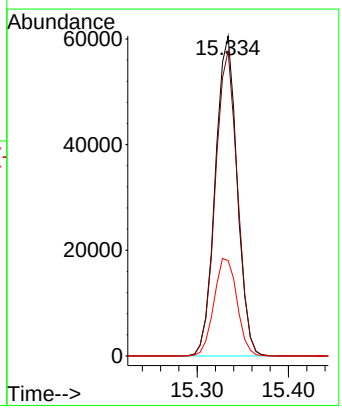
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 52.735 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 100312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 48.3 | 144.9 |
| 145 | 32.2 | 16.1 | 48.3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 180458 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.609 | 114 | 283003 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 248493 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 121558 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 306215 | 149.582 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 299.160%# | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 283537 | 152.818 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 305.640%# | | | |
| 50) Toluene-d8 | 10.103 | 98 | 1094820 | 152.682 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 305.360%# | | | |
| 62) 4-Bromofluorobenzene | 12.401 | 95 | 369071 | 152.937 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 305.880%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 259643 | 151.753 | ug/l | 99 |
| 3) Chloromethane | 2.068 | 50 | 323414 | 146.365 | ug/l | 99 |
| 4) Vinyl Chloride | 2.202 | 62 | 328290 | 151.368 | ug/l | 97 |
| 5) Bromomethane | 2.580 | 94 | 200754 | 139.293 | ug/l | 100 |
| 6) Chloroethane | 2.726 | 64 | 197463 | 146.820 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 492238 | 150.283 | ug/l | 98 |
| 8) Diethyl Ether | 3.452 | 74 | 154649 | 157.312 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 3.811 | 101 | 293114 | 154.570 | ug/l | 99 |
| 10) Methyl Iodide | 4.000 | 142 | 338246 | 169.542 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.860 | 59 | 106628 | 677.165 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 280431 | 154.445 | ug/l | 98 |
| 13) Acrolein | 3.647 | 56 | 17213 | 142.652 | ug/l | 96 |
| 14) Allyl chloride | 4.378 | 41 | 507854 | 157.755 | ug/l | 98 |
| 15) Acrylonitrile | 5.055 | 53 | 344988 | 793.713 | ug/l | 99 |
| 16) Acetone | 3.860 | 43 | 280172 | 713.470 | ug/l | 97 |
| 17) Carbon Disulfide | 4.104 | 76 | 908476 | 150.676 | ug/l | 99 |
| 18) Methyl Acetate | 4.378 | 43 | 149226 | 155.496 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.110 | 73 | 763596 | 159.172 | ug/l | 100 |
| 20) Methylene Chloride | 4.610 | 84 | 296032 | 139.409 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 308627 | 154.401 | ug/l | 98 |
| 22) Diisopropyl ether | 6.018 | 45 | 1028788 | 154.433 | ug/l | 96 |
| 23) Vinyl Acetate | 5.957 | 43 | 3191401 | 801.685 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 572832 | 152.564 | ug/l | 98 |
| 25) 2-Butanone | 6.890 | 43 | 462541 | 780.449 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 515178 | 151.214 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 354979 | 155.519 | ug/l | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 251245 | 151.227 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.256 | 42 | 309130 | 797.978 | ug/l | 99 |
| 30) Chloroform | 7.421 | 83 | 574920 | 151.112 | ug/l | 100 |
| 31) Cyclohexane | 7.695 | 56 | 525636 | 145.637 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 529792 | 152.986 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 429157 | 153.985 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 216920 | 156.470 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 481774 | 153.764 | ug/l | 99 |
| 39) Methylcyclohexane | 9.103 | 83 | 563132 | 159.752 | ug/l | 97 |
| 40) Benzene | 8.079 | 78 | 1249573 | 151.673 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 123663 | 159.542 ug/l | | 95 |
| 42) 1,2-Dichloroethane | 8.152 | 62 | 355374 | 152.036 ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 433742 | 161.641 ug/l | | 98 |
| 44) Trichloroethene | 8.865 | 130 | 318590 | 154.457 ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 302967 | 152.809 ug/l | | 99 |
| 46) Dibromomethane | 9.231 | 93 | 168654 | 155.620 ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 448398 | 155.172 ug/l | | 99 |
| 48) Methyl methacrylate | 9.219 | 41 | 213222 | 169.923 ug/l | | 100 |
| 49) 1,4-Dioxane | 9.225 | 88 | 38142 | 3165.209 ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 9.993 | 43 | 1121500 | 816.471 ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 794485 | 155.232 ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 432560 | 163.384 ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 493601 | 157.928 ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 215312 | 152.506 ug/l | | 98 |
| 56) Ethyl methacrylate | 10.438 | 69 | 337816 | 173.168 ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 385803 | 155.726 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 761125 | 812.859 ug/l | | 100 |
| 59) 2-Hexanone | 10.755 | 43 | 754575 | 836.458 ug/l | | 98 |
| 60) Dibromochloromethane | 10.908 | 129 | 299188 | 155.598 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 208046 | 155.651 ug/l | | 99 |
| 64) Tetrachloroethene | 10.646 | 164 | 288026 | 153.351 ug/l | | 98 |
| 65) Chlorobenzene | 11.438 | 112 | 863676 | 154.837 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131 | 301244 | 154.234 ug/l | | 100 |
| 67) Ethyl Benzene | 11.517 | 91 | 1576743 | 159.586 ug/l | | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 1167839 | 314.246 ug/l | | 100 |
| 69) o-Xylene | 11.950 | 106 | 550972 | 158.258 ug/l | | 99 |
| 70) Styrene | 11.969 | 104 | 936967 | 161.754 ug/l | | 100 |
| 71) Bromoform | 12.133 | 173 | 175918 | 157.441 ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 1461905 | 159.969 ug/l | | 99 |
| 74) N-amyl acetate | 12.066 | 43 | 403238 | 173.596 ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 251216 | 155.759 ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 179622m | 146.733 ug/l | | |
| 77) Bromobenzene | 12.529 | 156 | 333772 | 157.025 ug/l | | 99 |
| 78) n-propylbenzene | 12.597 | 91 | 1765636 | 159.217 ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 995452 | 156.411 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 1190462 | 158.830 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 92910 | 169.722 ug/l | | 98 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 1021811 | 154.883 ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 1094125 | 161.602 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 1192062 | 159.915 ug/l | | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 1558540 | 157.594 ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 1327819 | 160.795 ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.285 | 146 | 648204 | 154.161 ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 635981 | 153.109 ug/l | | 100 |
| 89) n-Butylbenzene | 13.615 | 91 | 1269399 | 163.350 ug/l | | 99 |
| 90) Hexachloroethane | 13.877 | 117 | 275368 | 159.641 ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 570360 | 154.826 ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 42060 | 164.851 ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 384163 | 170.860 ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 224602 | 158.670 ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 694625 | 186.517 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 326876 | 172.067 ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

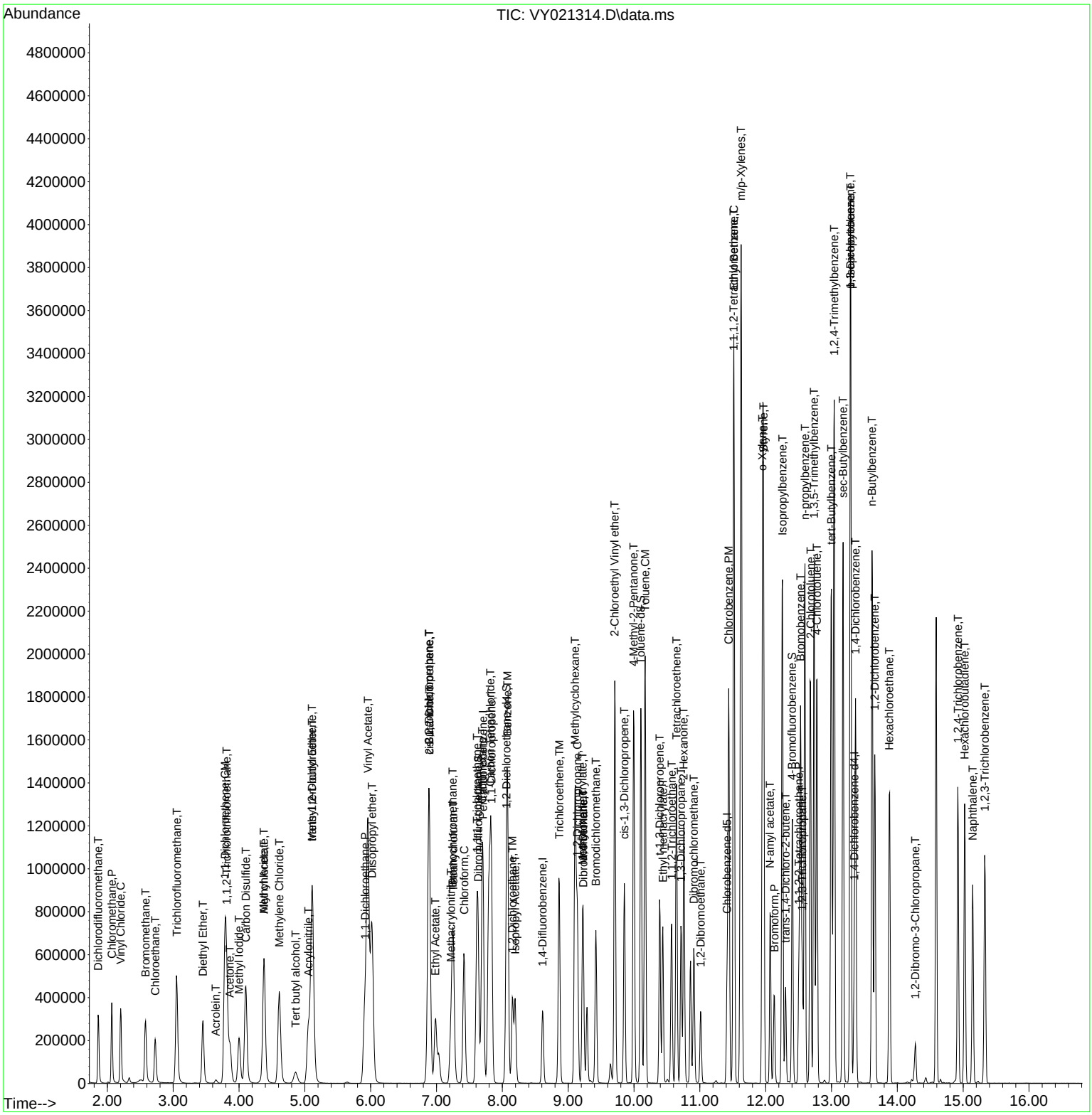
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

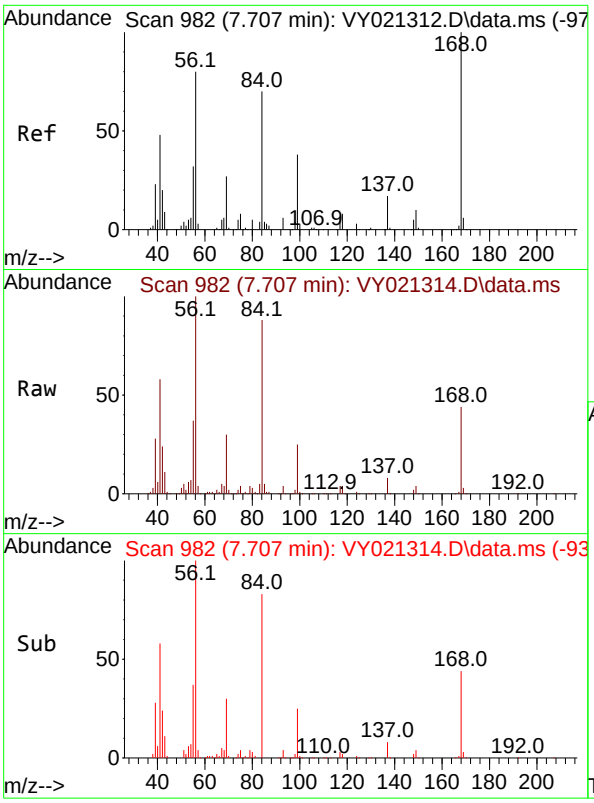
Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

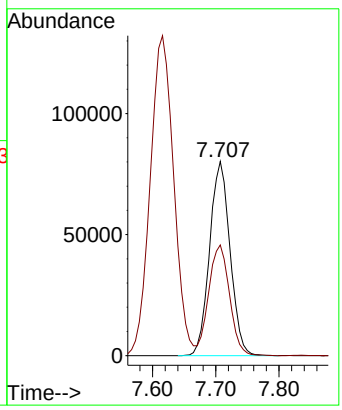





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:168 Resp: 18045

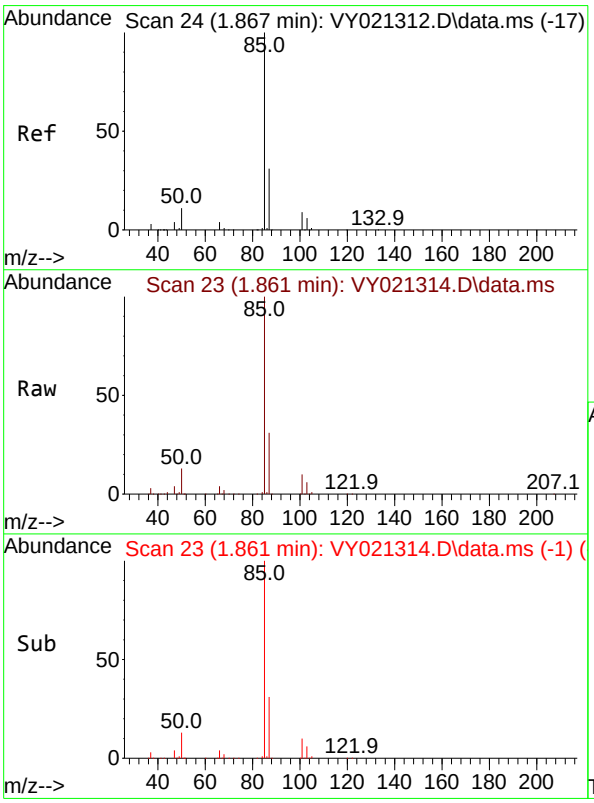
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.0 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

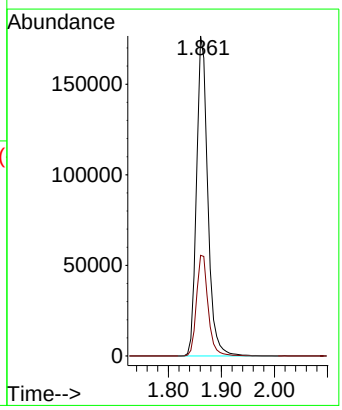
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

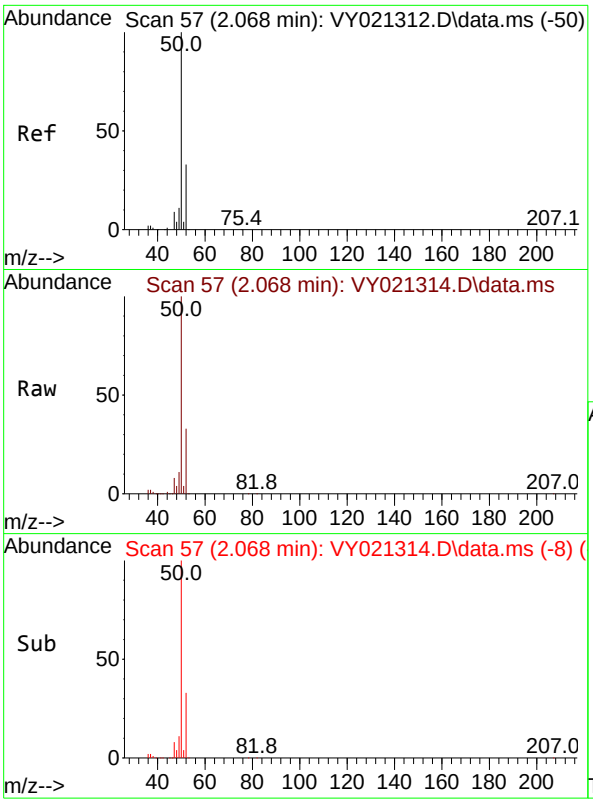



#2
Dichlorodifluoromethane
Concen: 151.753 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 85 Resp: 259643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 15.4 | 46.4 |

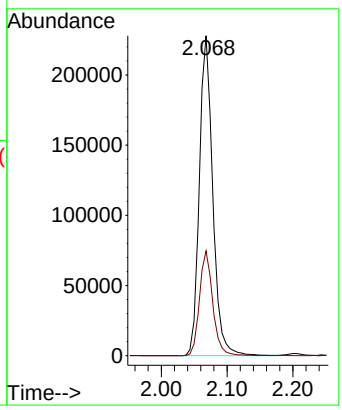





#3
Chloromethane
Concen: 146.365 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 50 Resp: 32341

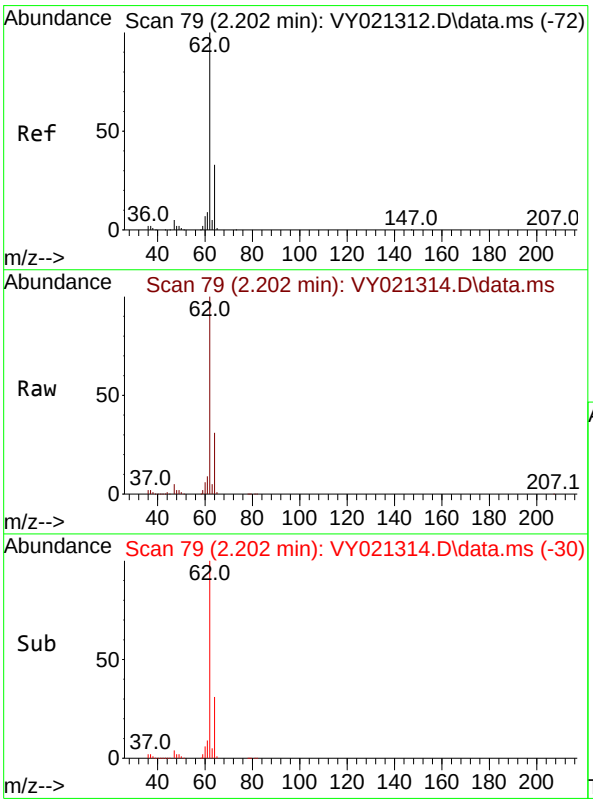
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.7 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

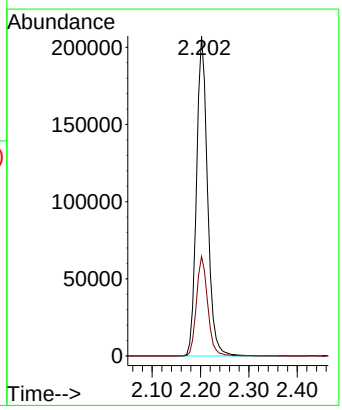
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

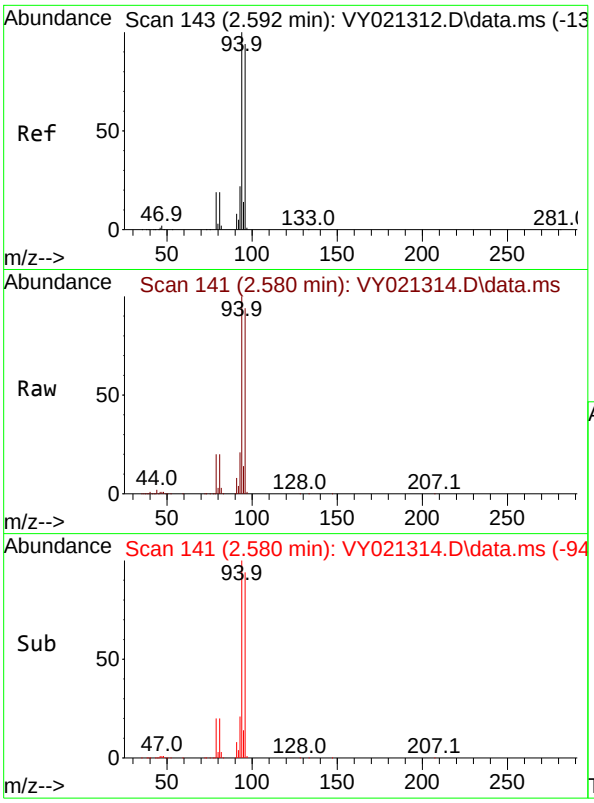



#4
Vinyl Chloride
Concen: 151.368 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 328290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 26.3 | 39.5 |






#5
Bromomethane
Concen: 139.293 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

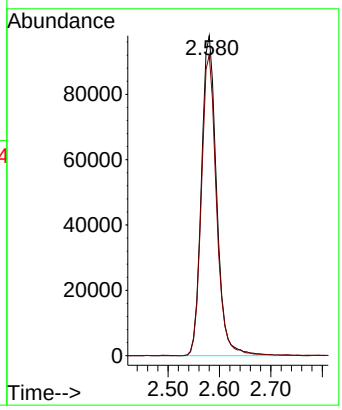
Tgt Ion: 94 Resp: 20075

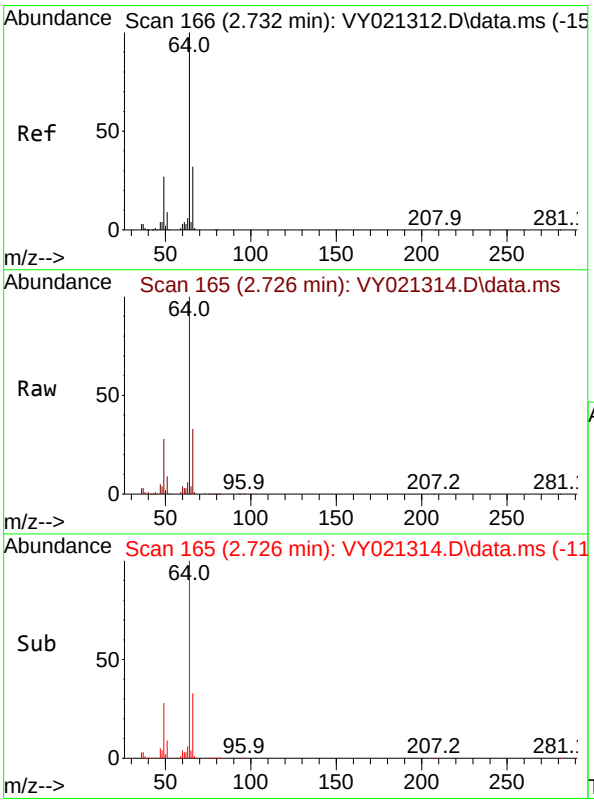
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.9 | 75.2 | 112.8 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

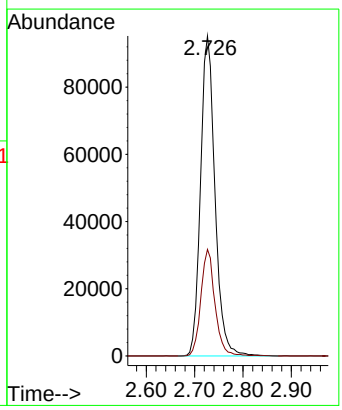


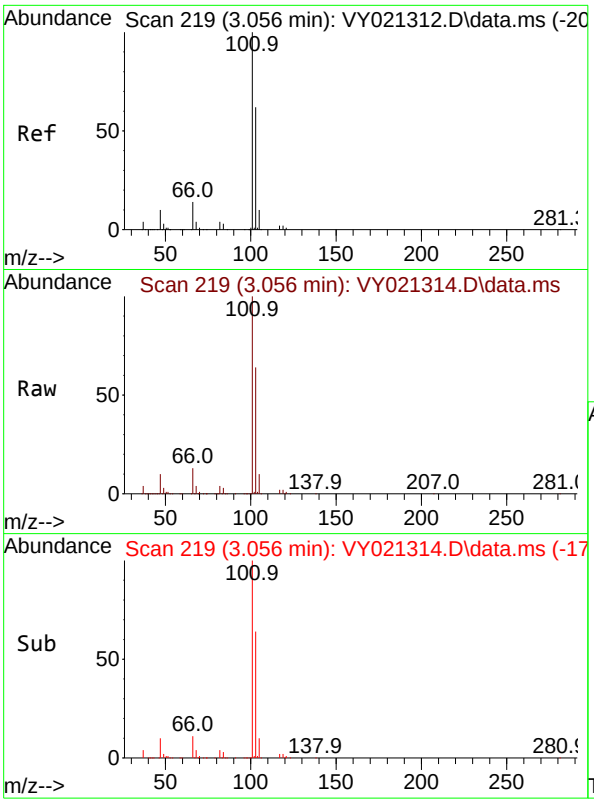




#6
Chloroethane
Concen: 146.820 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 64 Resp: 197463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.3 | 25.4 | 38.0 |

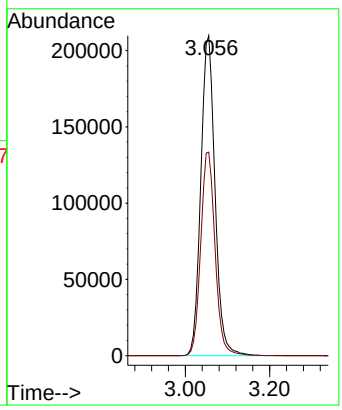





#7
Trichlorofluoromethane
Concen: 150.283 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:101 Resp: 49223

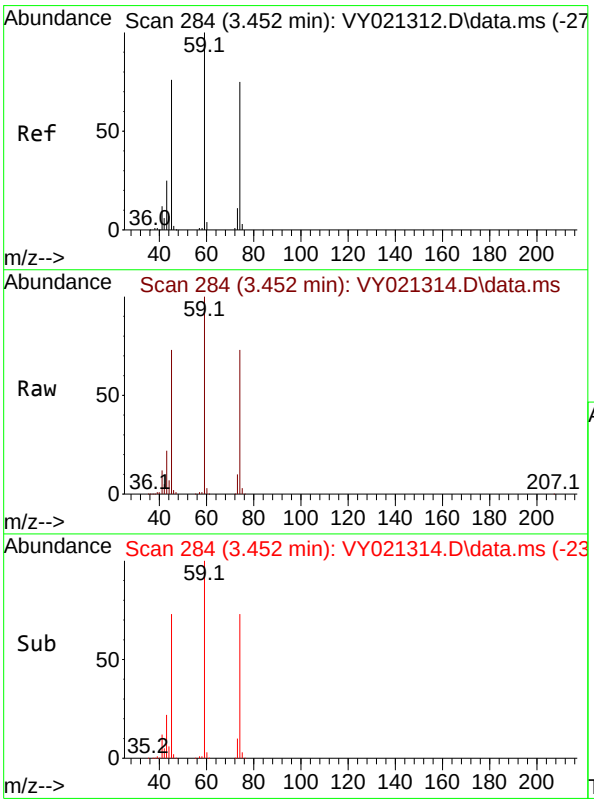
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.6 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

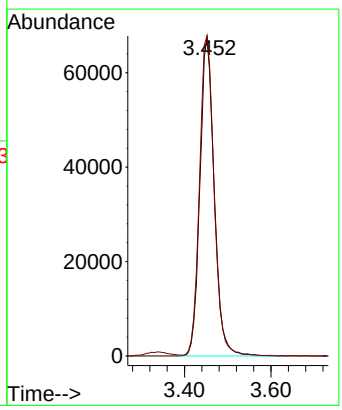
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

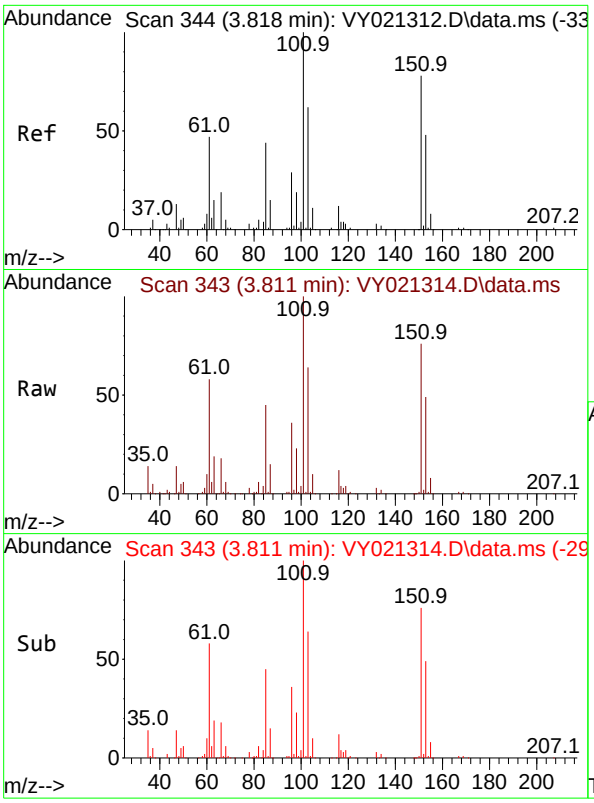



#8
Diethyl Ether
Concen: 157.312 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 74 Resp: 154649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.0 | 50.3 | 150.9 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 154.570 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

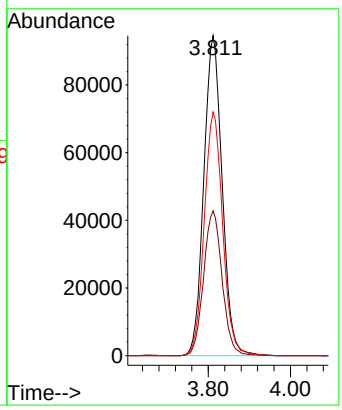
Tgt Ion:101 Resp: 29311

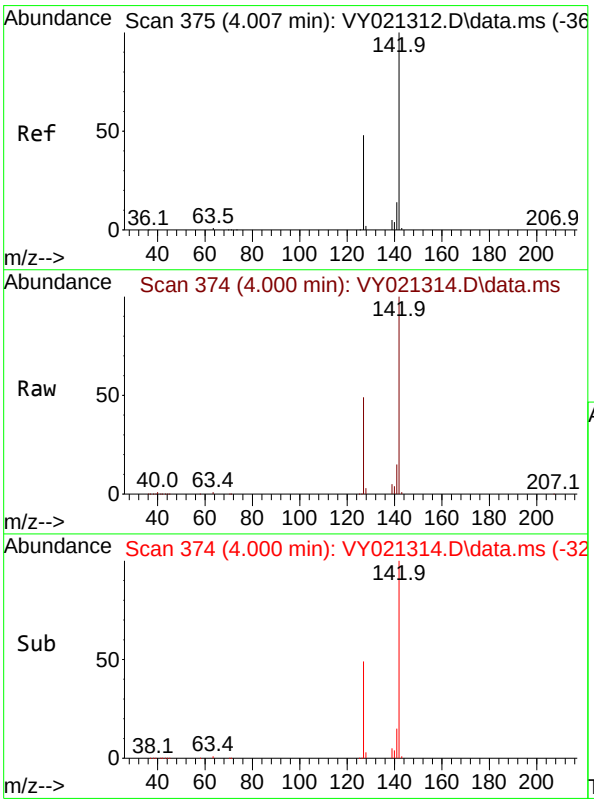
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.8 | 36.7 | 55.1 |
| 151 | 76.6 | 62.6 | 94.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

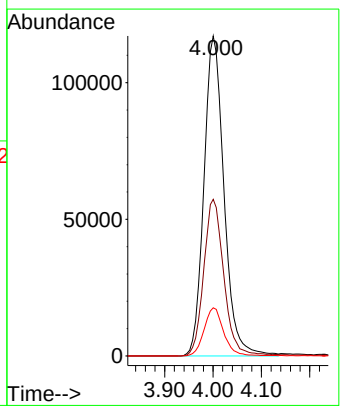


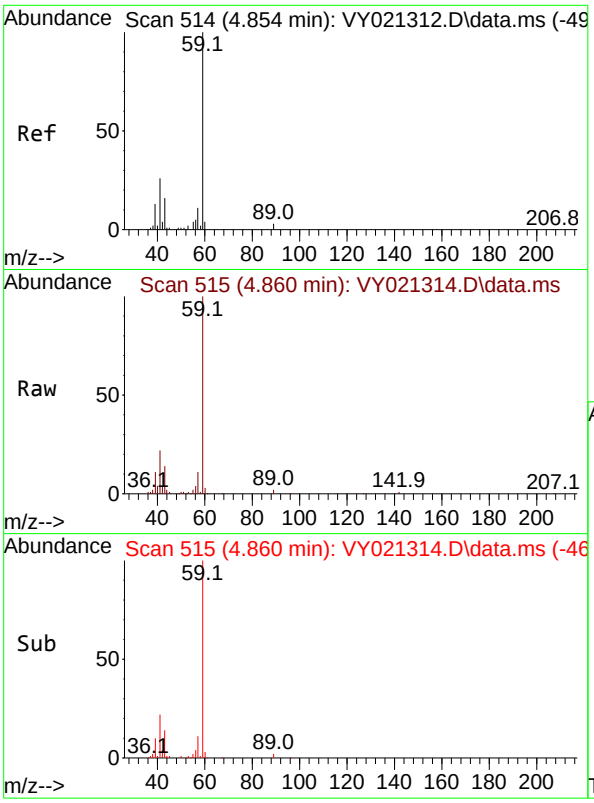




#10
Methyl Iodide
Concen: 169.542 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:142 Resp: 338246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.4 | 39.2 | 58.8 |
| 141 | 14.8 | 11.4 | 17.2 |

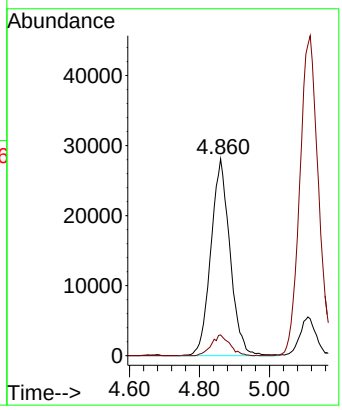





#11
Tert butyl alcohol
Concen: 677.165 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 59 Resp: 10662

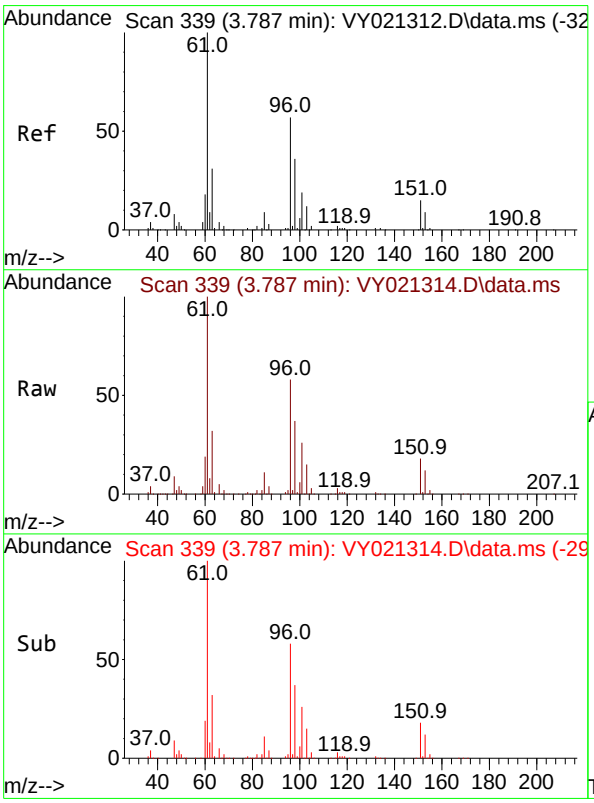
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.2 | 8.3 | 12.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

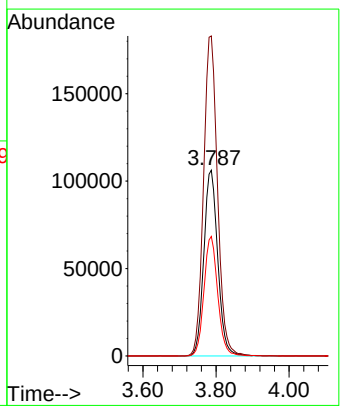
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

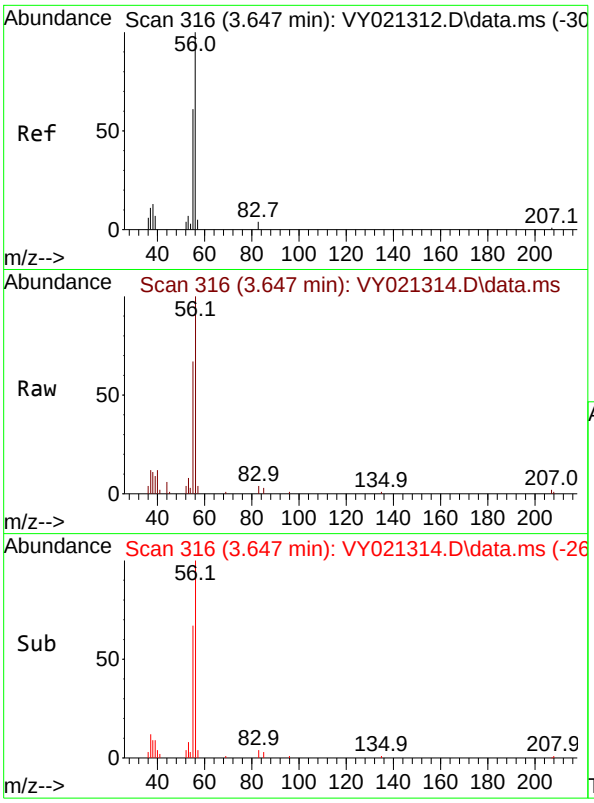



#12
1,1-Dichloroethene
Concen: 154.445 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 280431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.2 | 139.7 | 209.5 |
| 98 | 64.3 | 49.7 | 74.5 |

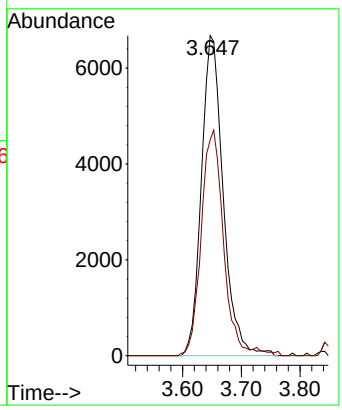





#13
Acrolein
Concen: 142.652 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 56 Resp: 1721

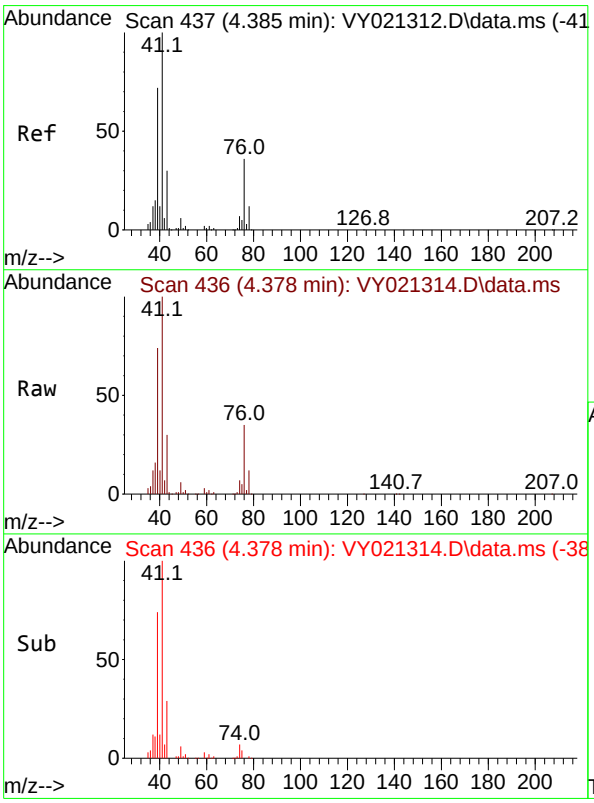
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.8 | 59.0 | 88.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

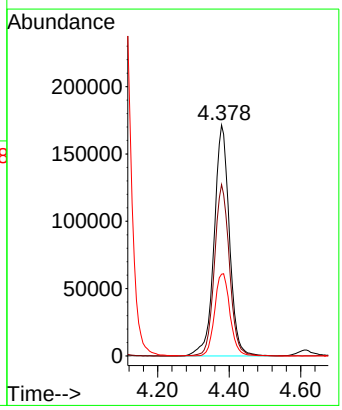
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

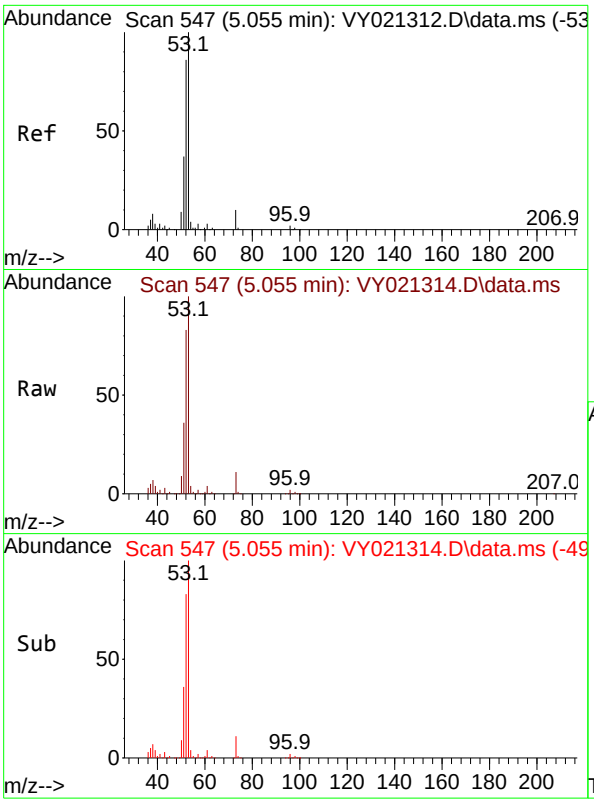



#14
Allyl chloride
Concen: 157.755 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 507854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.1 | 60.0 | 90.0 |
| 76 | 35.8 | 29.0 | 43.6 |

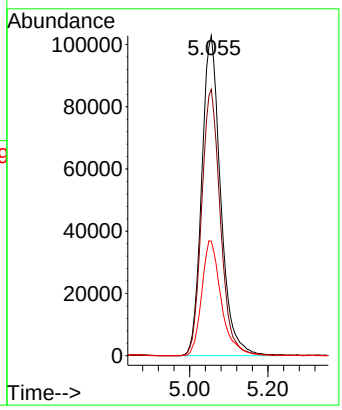





#15
Acrylonitrile
Concen: 793.713 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 53 Resp: 34498

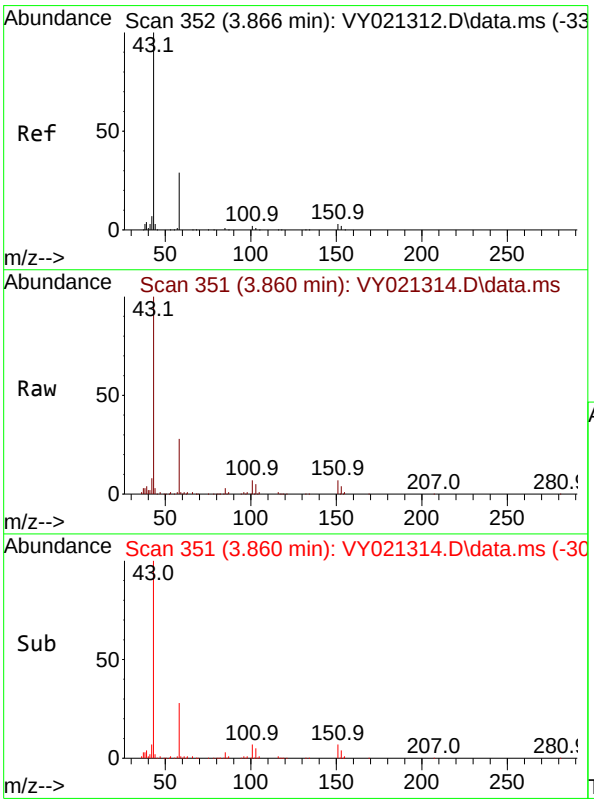
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 65.5 | 98.3 |
| 51 | 37.2 | 30.6 | 46.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

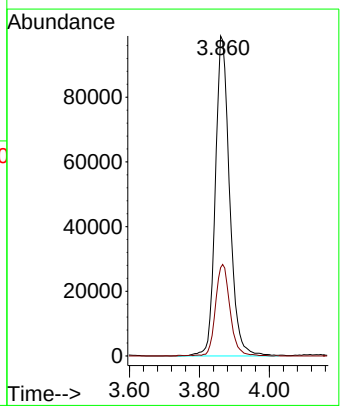
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

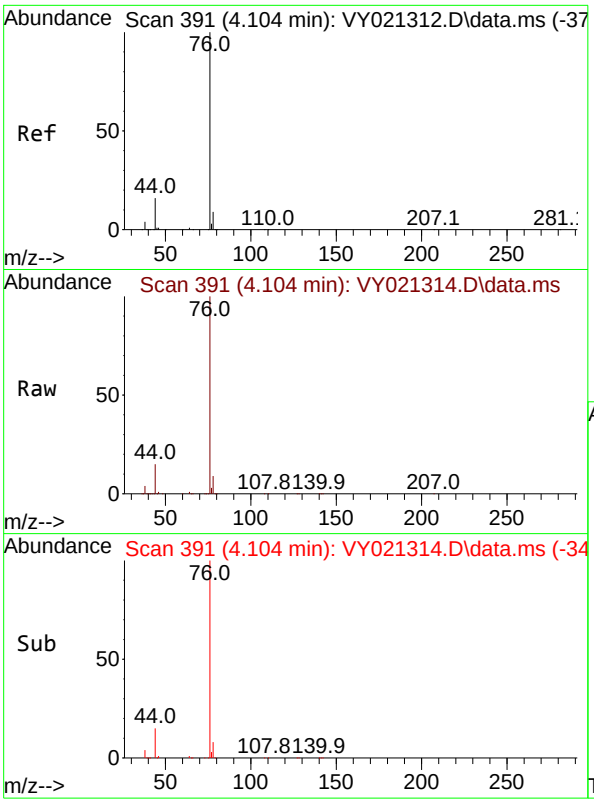



#16
Acetone
Concen: 713.470 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 280172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.5 | 23.5 | 35.3 |

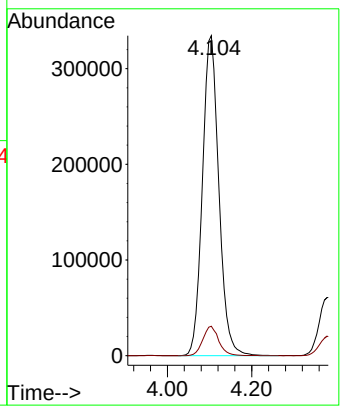





#17
Carbon Disulfide
Concen: 150.676 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 76 Resp: 90847

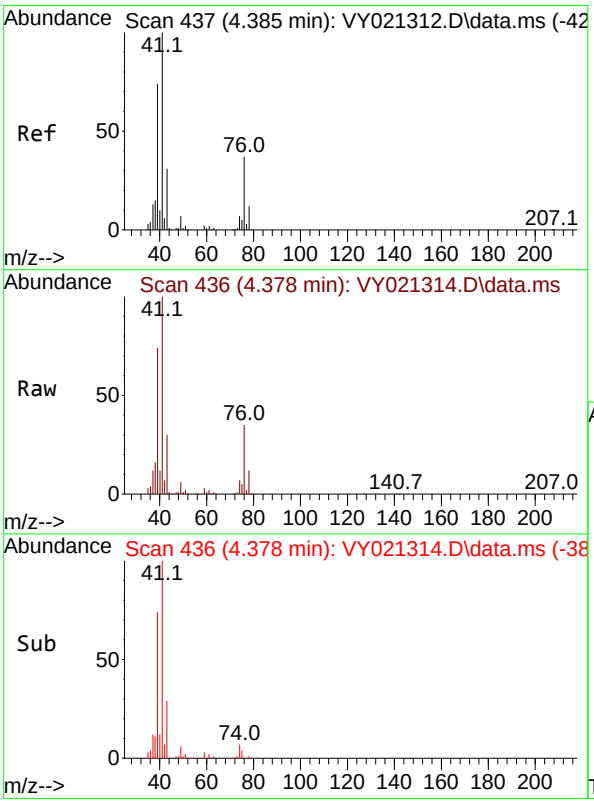
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

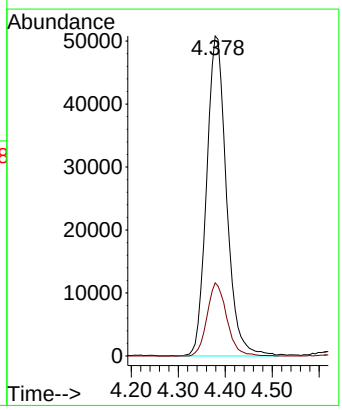
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

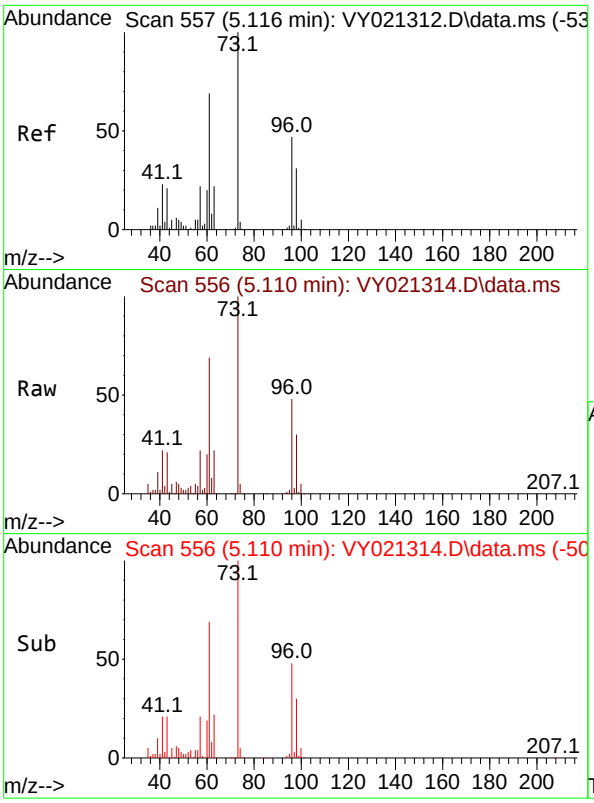



#18
Methyl Acetate
Concen: 155.496 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 149226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.6 | 17.7 | 26.5 |

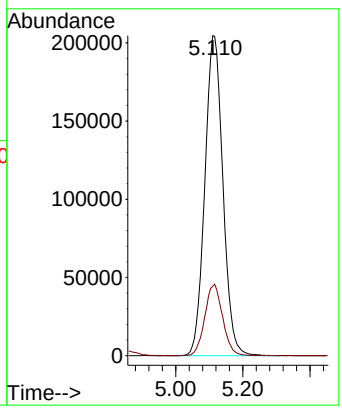





#19
Methyl tert-butyl Ether
Concen: 159.172 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 73 Resp: 76359

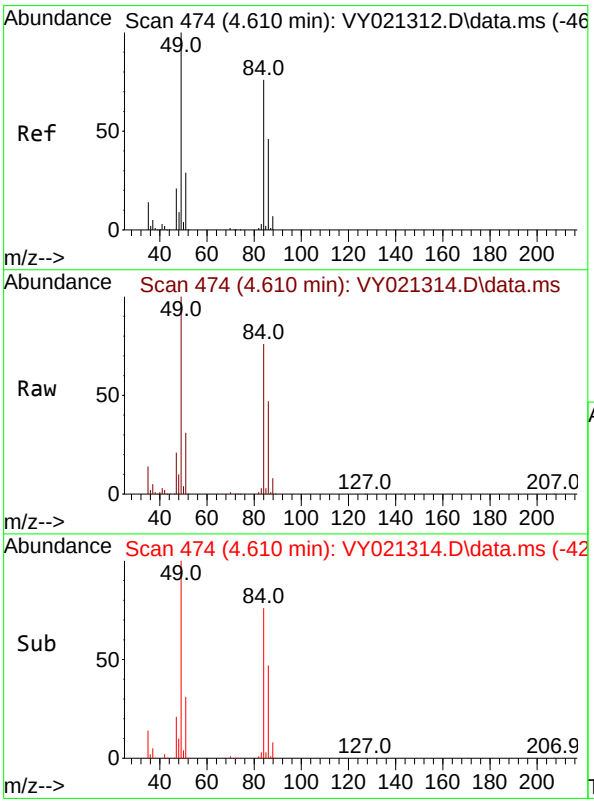
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.4 | 26.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

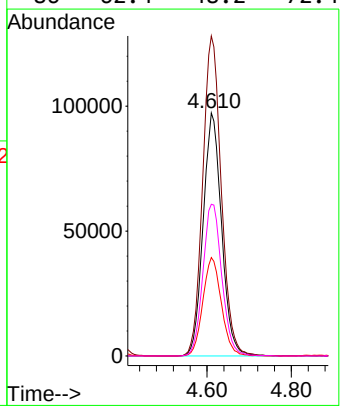
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

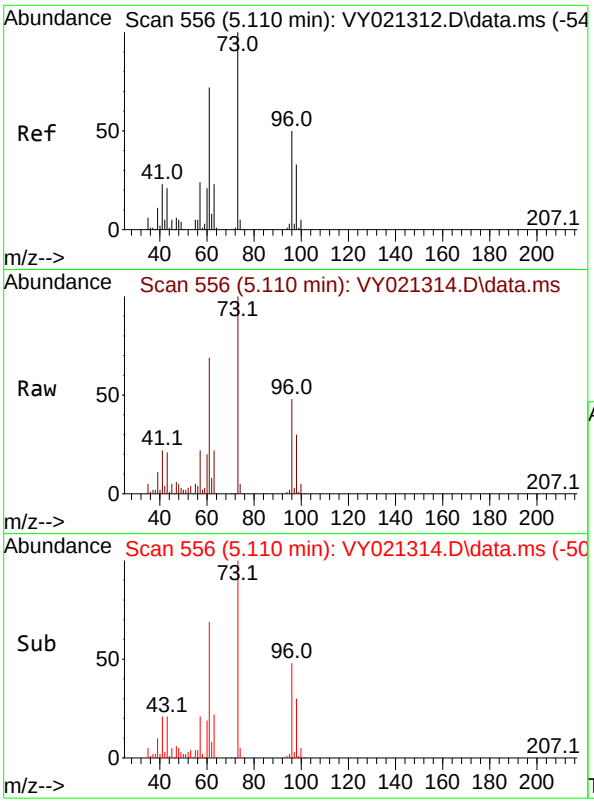



#20
Methylene Chloride
Concen: 139.409 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 84 Resp: 296032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.6 | 105.1 | 157.7 |
| 51 | 40.5 | 31.0 | 46.4 |
| 86 | 62.4 | 48.2 | 72.4 |

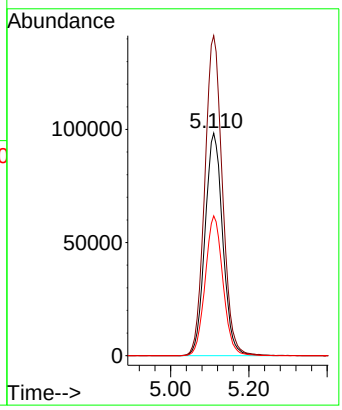





#21
trans-1,2-Dichloroethene
Concen: 154.401 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 30862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.8 | 116.3 | 174.5 |
| 98 | 62.8 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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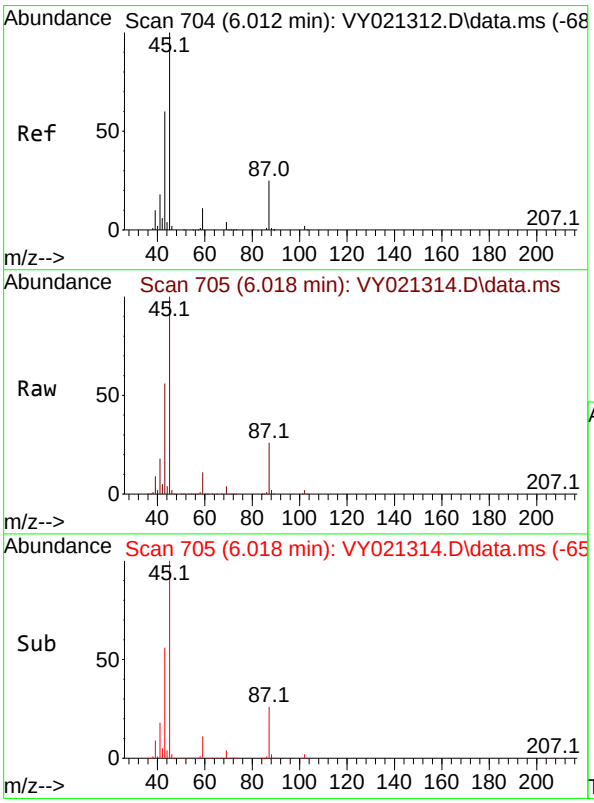
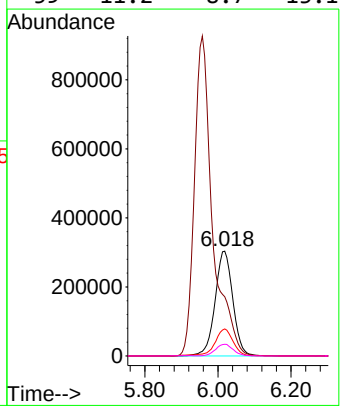
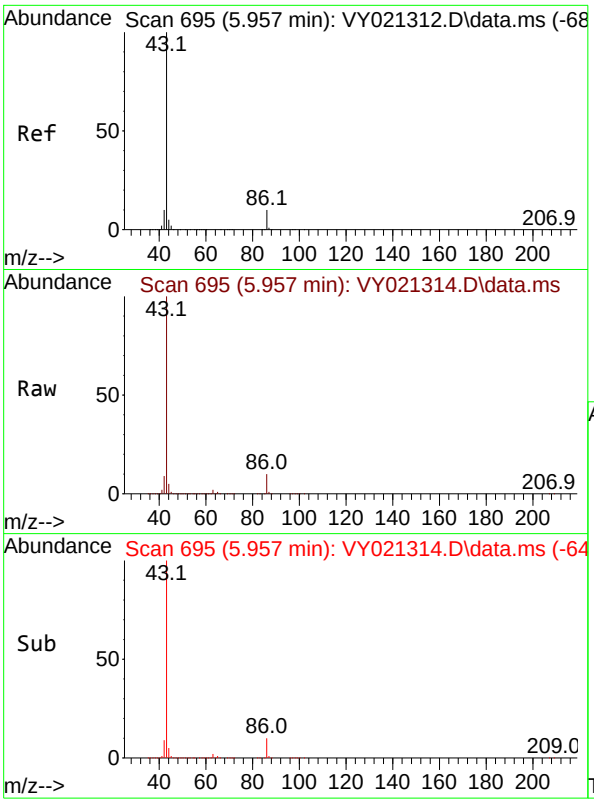



#22
Diisopropyl ether
Concen: 154.433 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 45 Resp: 1028788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.2 | 48.2 | 72.4 |
| 87 | 25.8 | 20.3 | 30.5 |
| 59 | 11.2 | 8.7 | 13.1 |






#23
Vinyl Acetate
Concen: 801.685 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 319140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.8 | 8.0 | 12.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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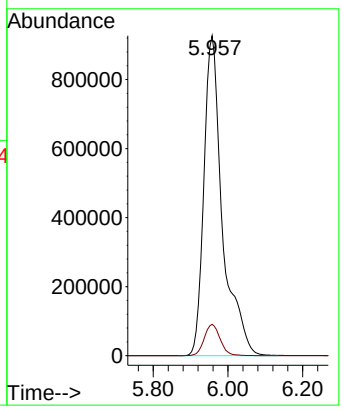
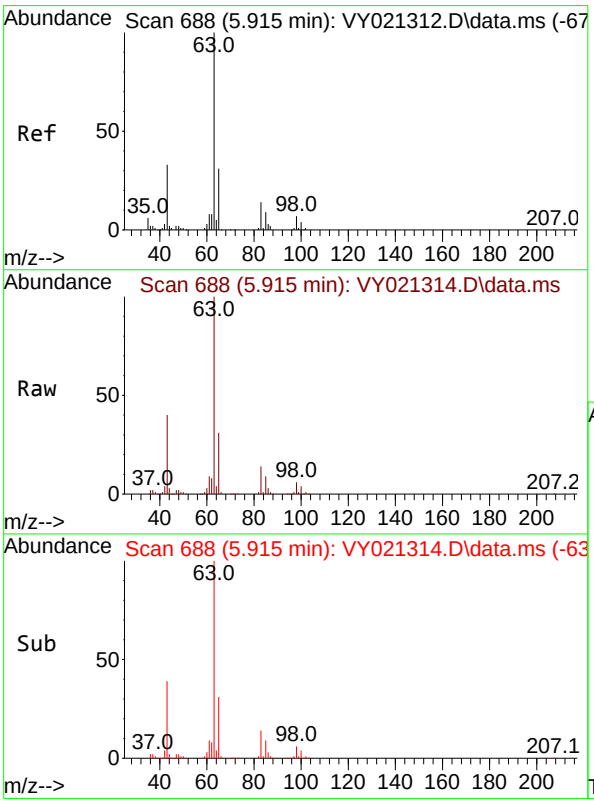
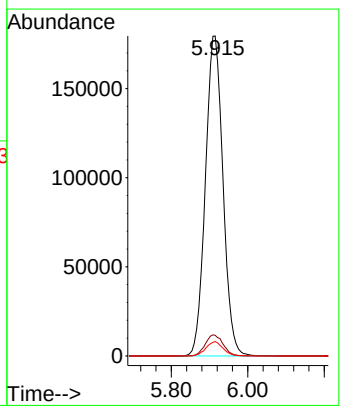


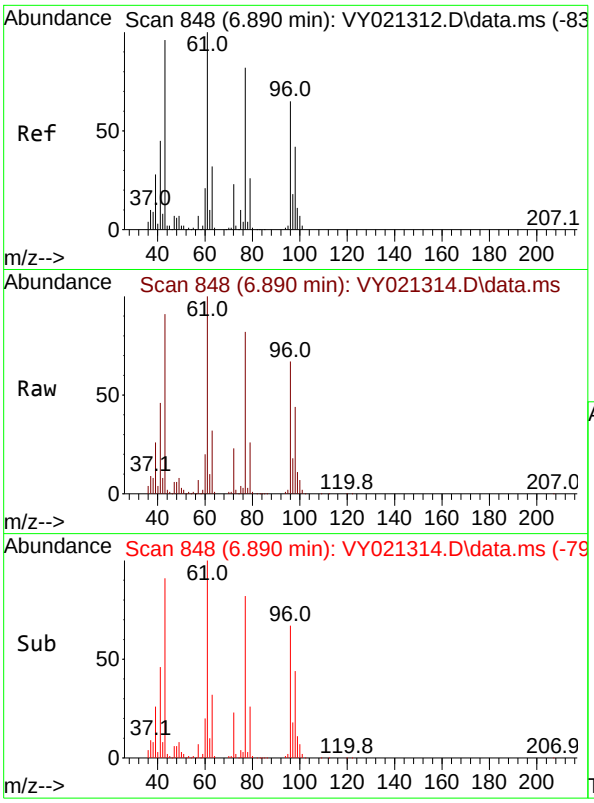




#24
1,1-Dichloroethane
Concen: 152.564 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 572832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.5 | 3.7 | 11.1 |
| 100 | 4.5 | 2.1 | 6.5 |

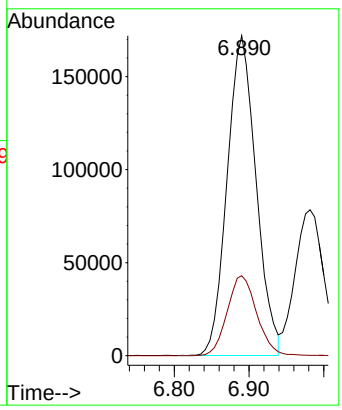





#25
2-Butanone
Concen: 780.449 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 46254

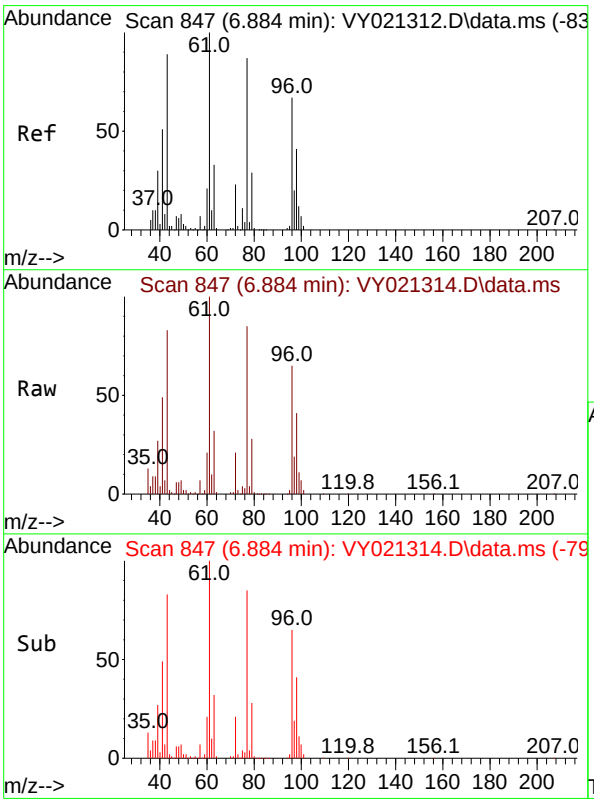
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.0 | 19.0 | 28.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

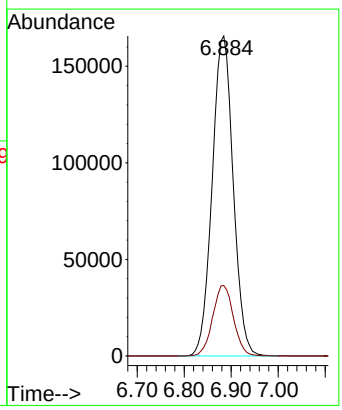
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

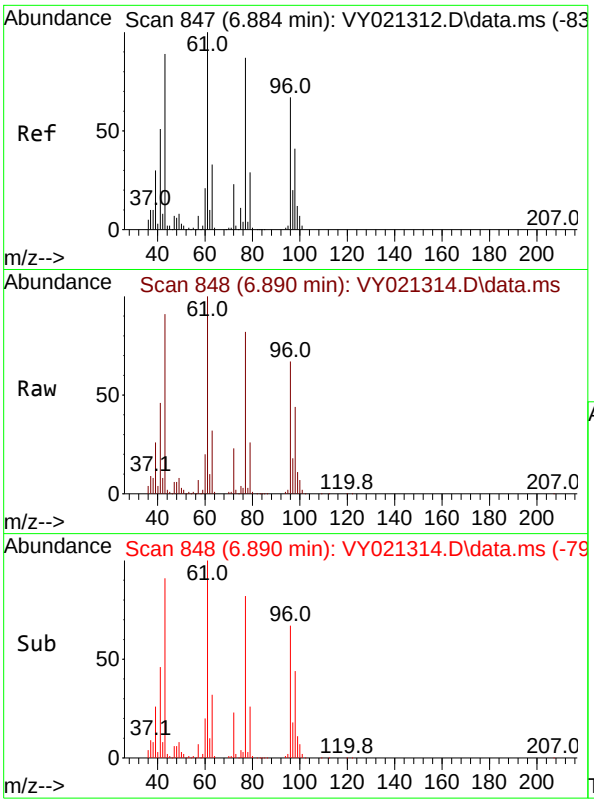



#26
2,2-Dichloropropane
Concen: 151.214 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 77 Resp: 515178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.9 | 32.7 |

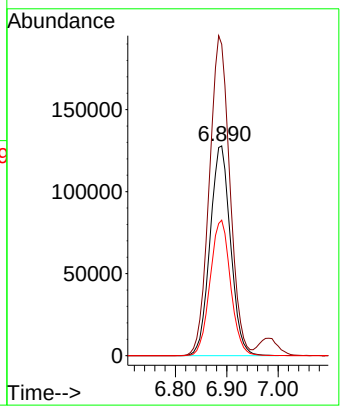





#27
cis-1,2-Dichloroethene
Concen: 155.519 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 35497

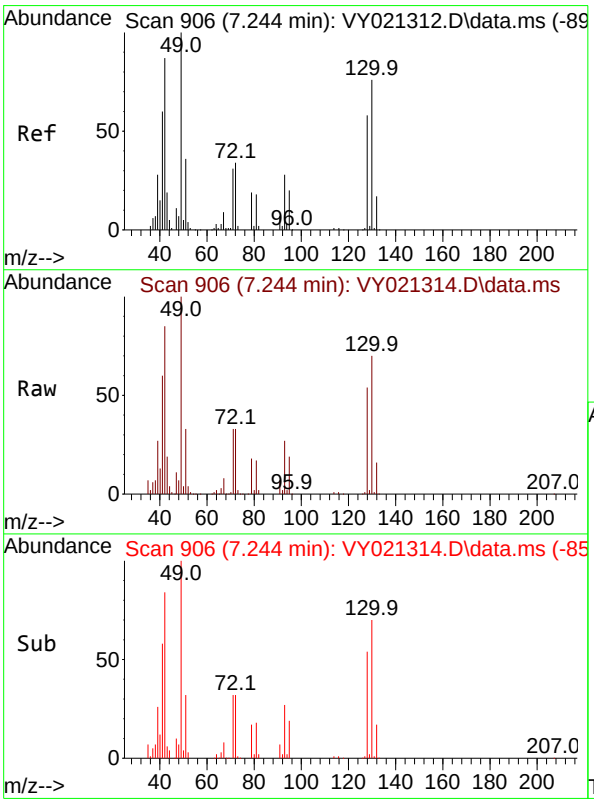
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.6 | 0.0 | 308.0 |
| 98 | 64.4 | 0.0 | 129.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

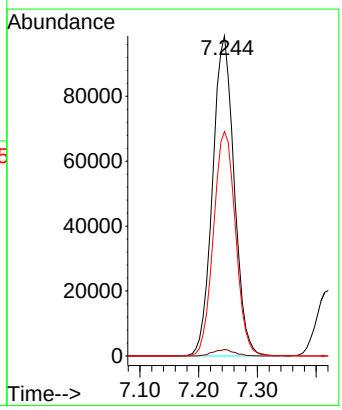
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

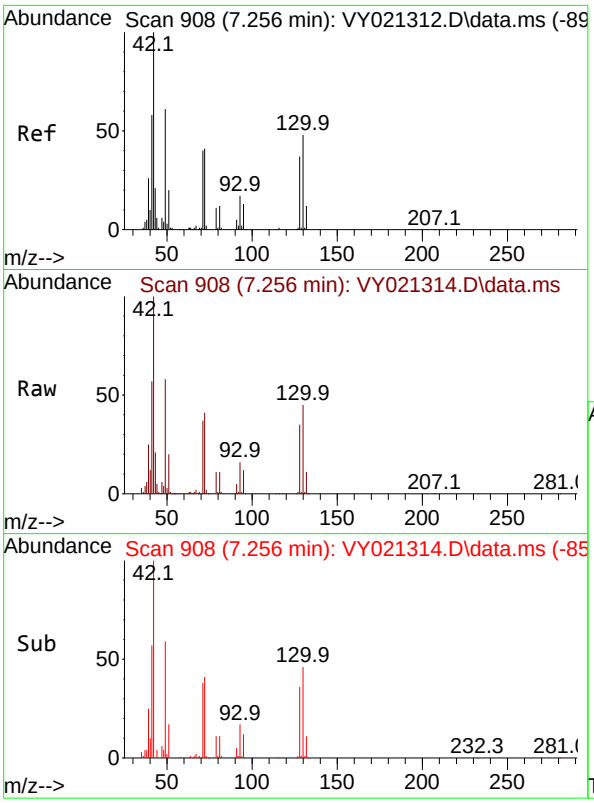



#28
Bromochloromethane
Concen: 151.227 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 49 Resp: 251245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 71.7 | 57.8 | 86.6 |

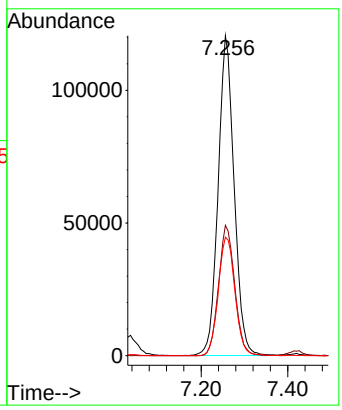





#29
Tetrahydrofuran
Concen: 797.978 ug/l
RT: 7.256 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 42 Resp: 30913(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.2 | 33.1 | 49.7 |
| 71 | 38.6 | 31.4 | 47.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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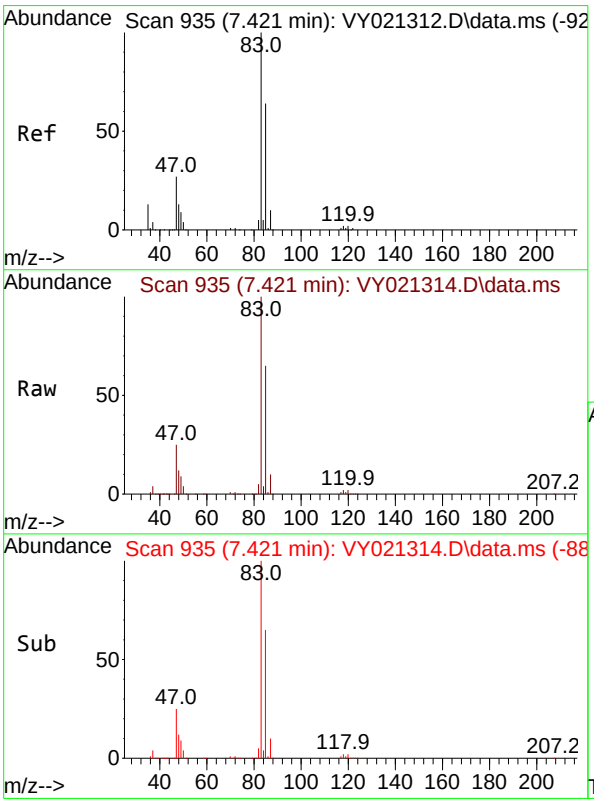
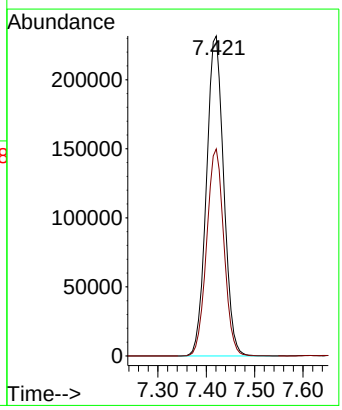
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

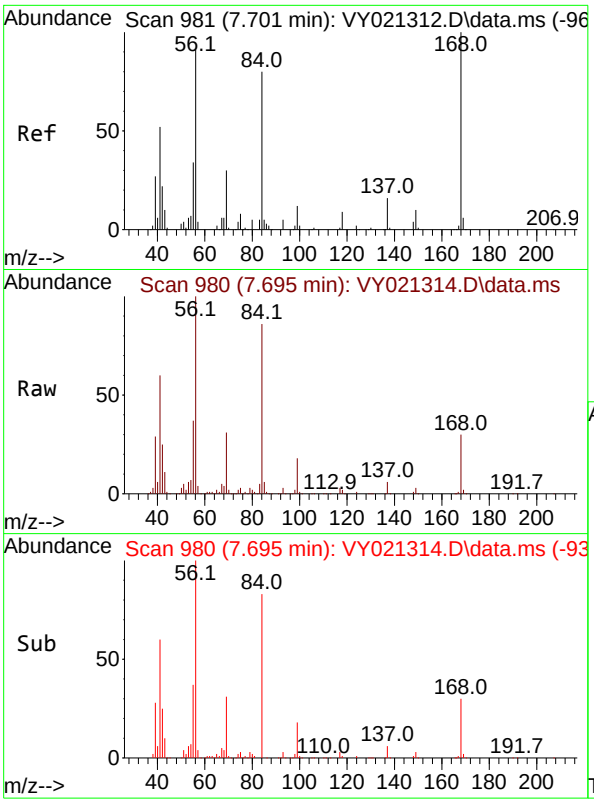



#30
Chloroform
Concen: 151.112 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 574920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 145.637 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 56 Resp: 52563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.8 | 26.2 | 39.4 |
| 84 | 84.4 | 70.2 | 105.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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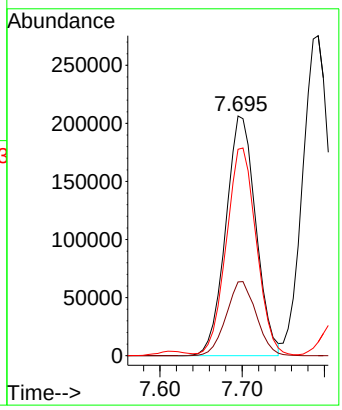
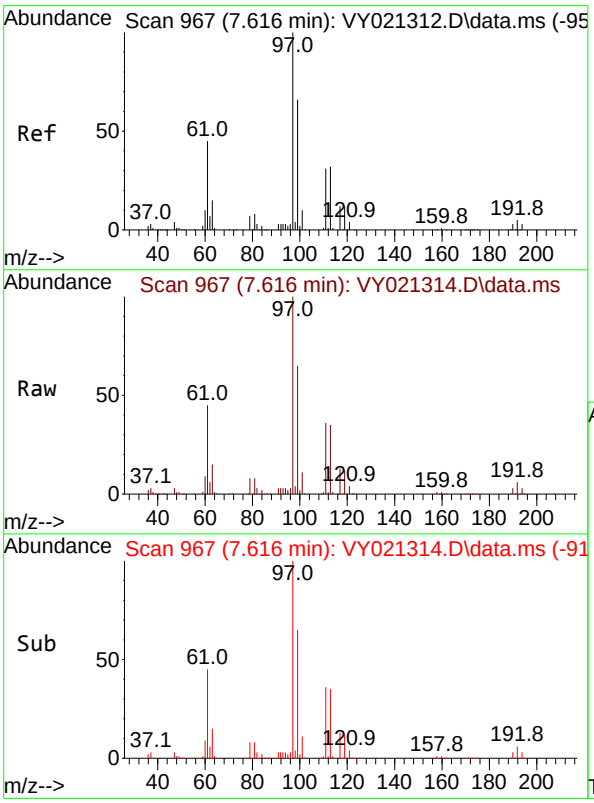
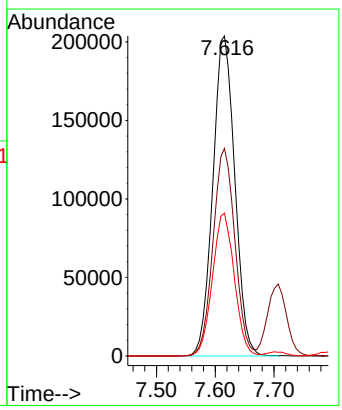


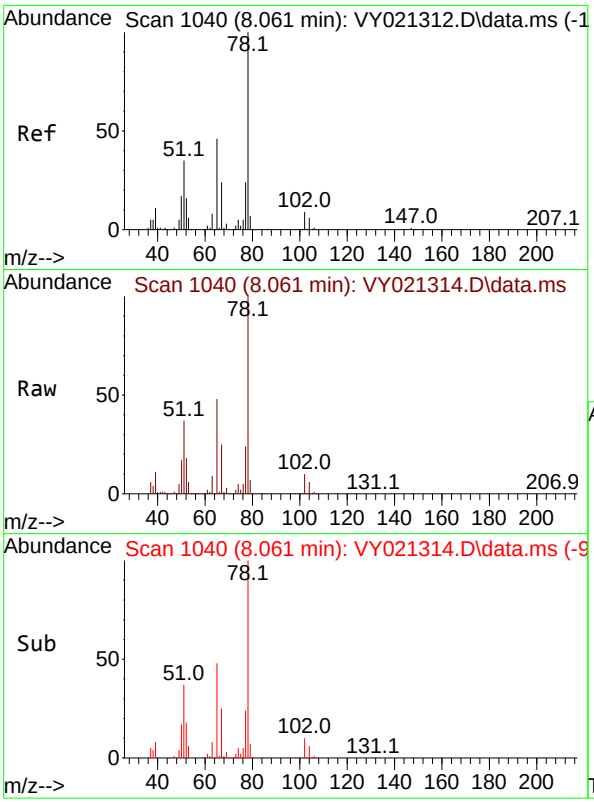




#32
1,1,1-Trichloroethane
Concen: 152.986 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 529792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.7 | 52.4 | 78.6 |
| 61 | 44.4 | 36.2 | 54.2 |

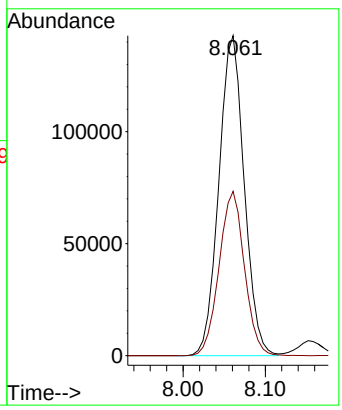





#33
1,2-Dichloroethane-d4
Concen: 149.582 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 65 Resp: 30621

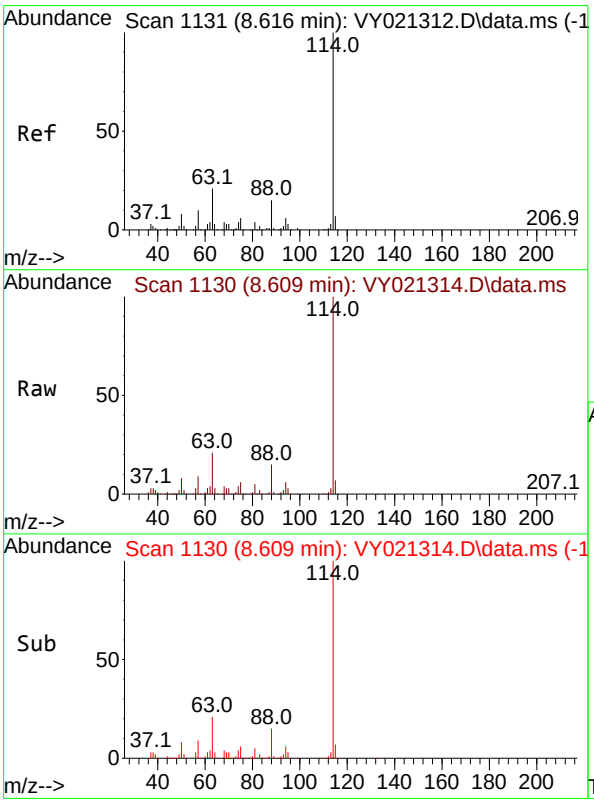
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 103.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

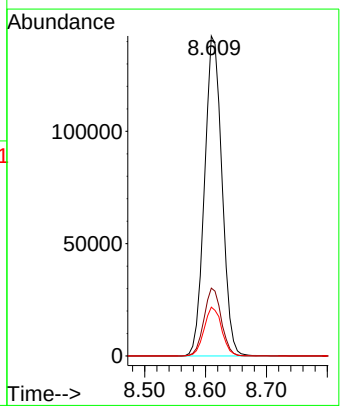
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

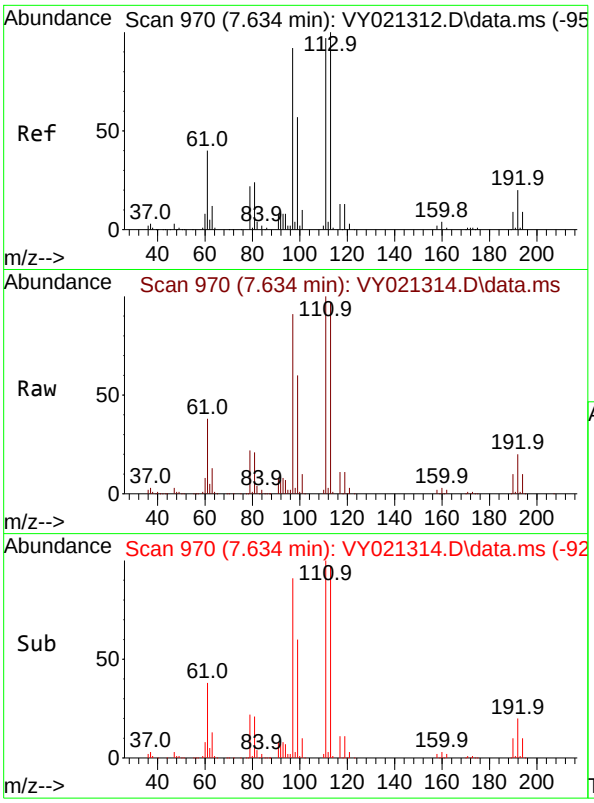



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:114 Resp: 283003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 42.2 |
| 88 | 15.3 | 0.0 | 29.8 |

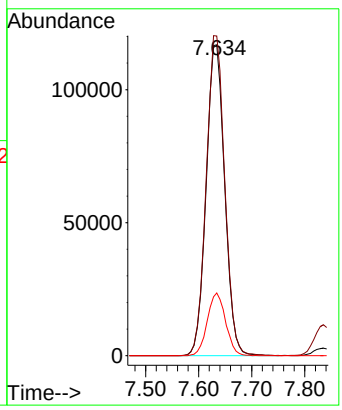





#35
Dibromofluoromethane
Concen: 152.818 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:113 Resp: 28353

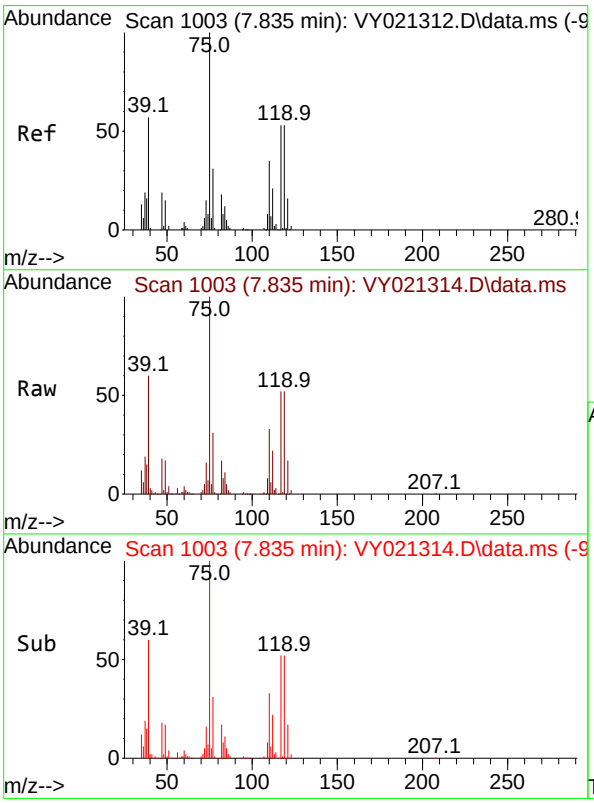
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 81.0 | 121.6 |
| 192 | 19.9 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

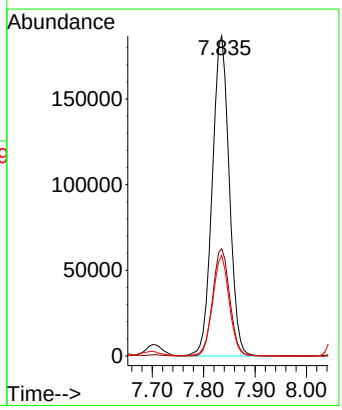
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

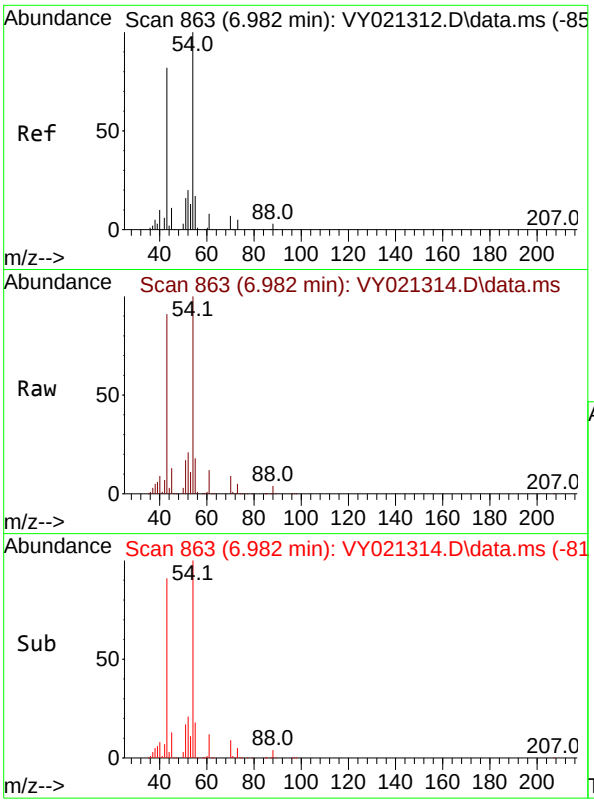



#36
1,1-Dichloropropene
Concen: 153.985 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 429157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.5 | 16.9 | 50.7 |
| 77 | 30.8 | 24.6 | 36.8 |

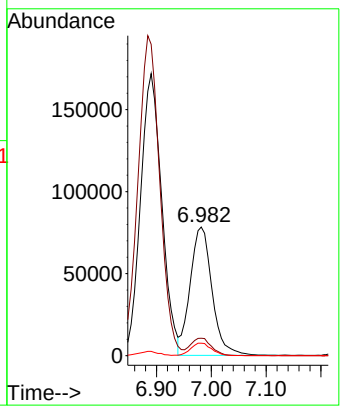





#37
Ethyl Acetate
Concen: 156.470 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 21692

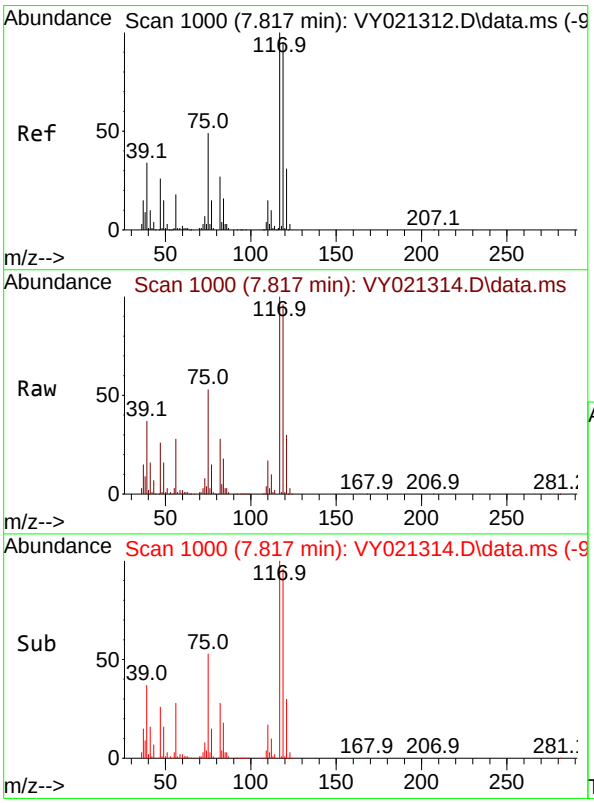
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.8 | 10.4 | 15.6 |
| 70 | 9.4 | 7.5 | 11.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

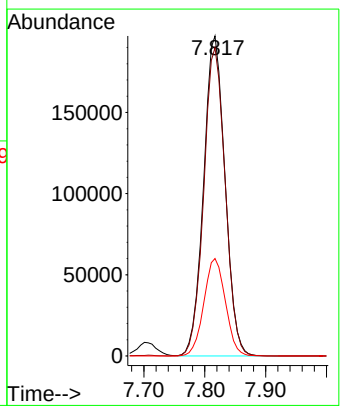
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

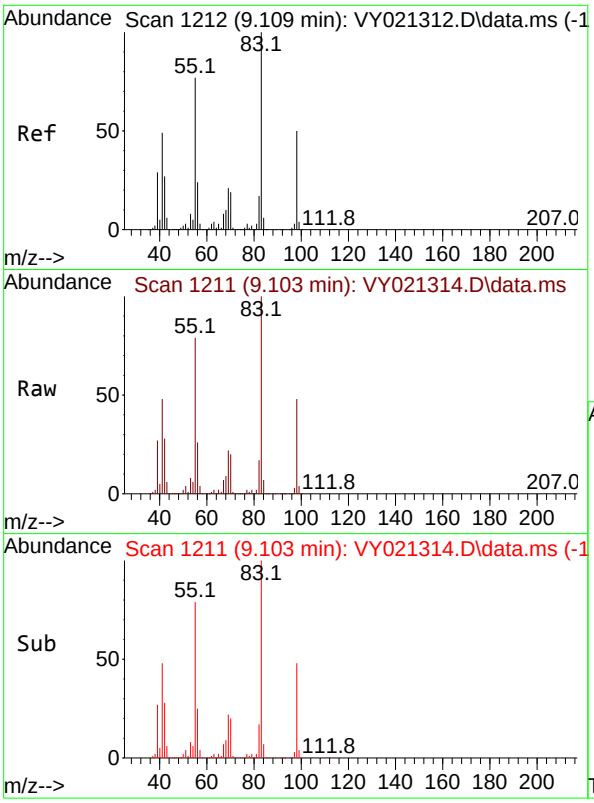



#38
Carbon Tetrachloride
Concen: 153.764 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 481774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 76.0 | 114.0 |
| 121 | 30.5 | 24.9 | 37.3 |

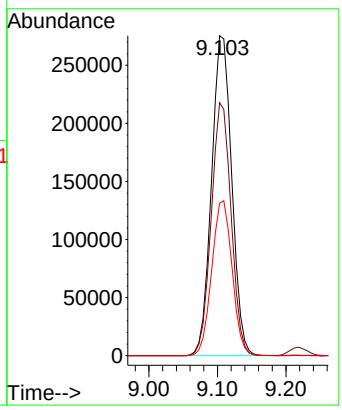





#39
Methylcyclohexane
Concen: 159.752 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 56313

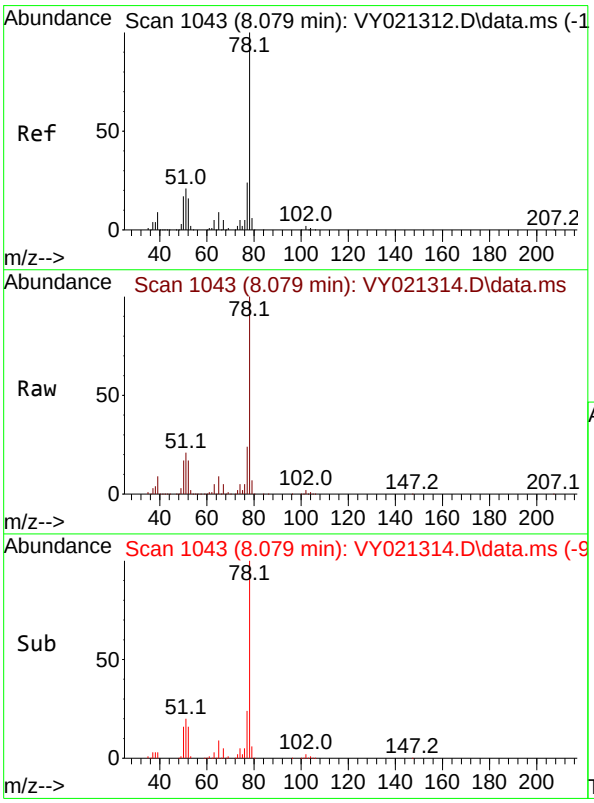
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.0 | 61.3 | 91.9 |
| 98 | 47.7 | 39.9 | 59.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

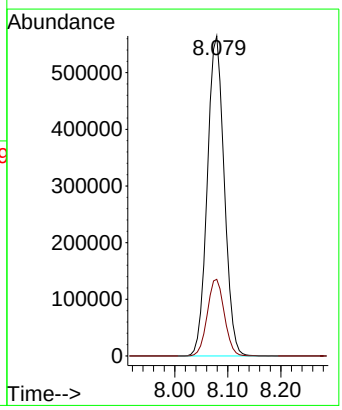
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

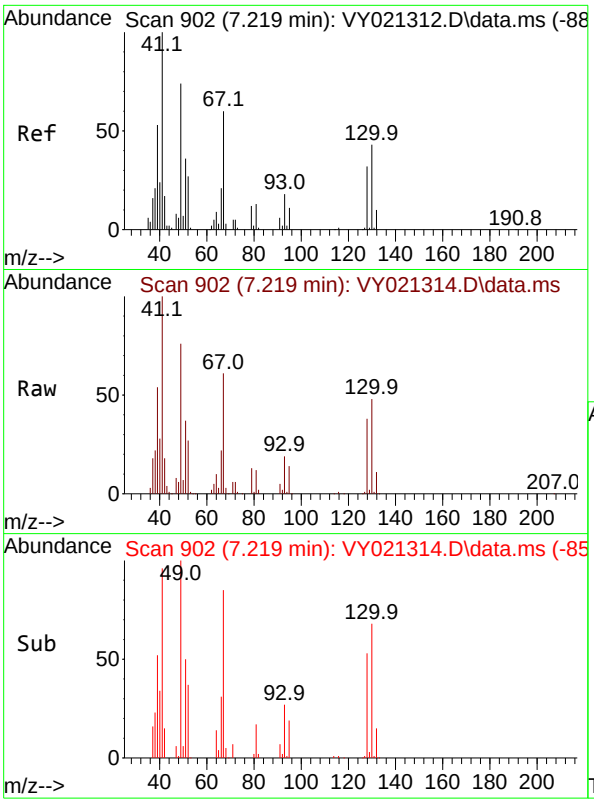



#40
Benzene
Concen: 151.673 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 78 Resp: 1249573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.2 | 28.8 |

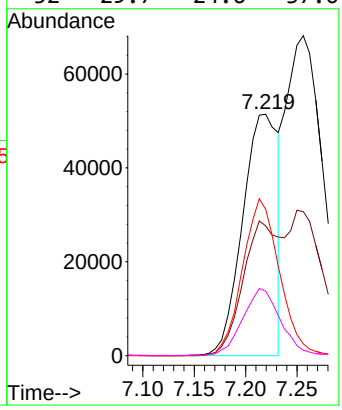





#41
Methacrylonitrile
Concen: 159.542 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 12366

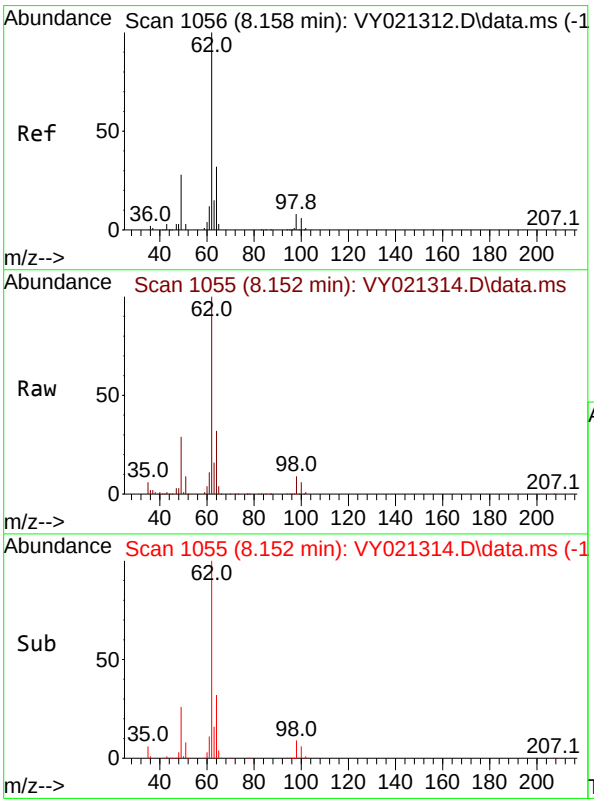
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 61.3 | 42.3 | 63.5 |
| 67 | 67.7 | 54.8 | 82.2 |
| 52 | 29.7 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

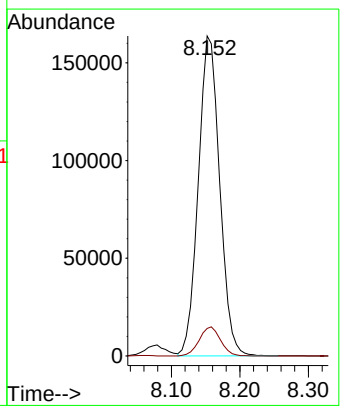
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

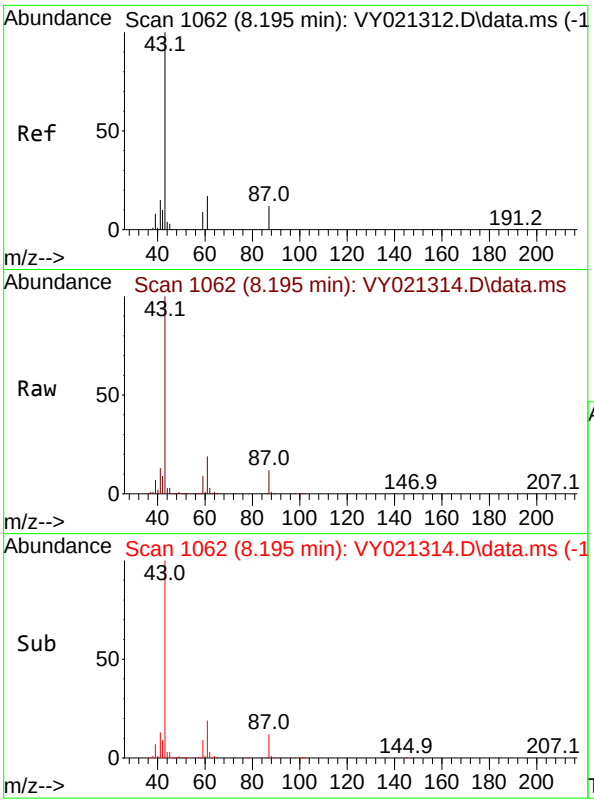



#42
1,2-Dichloroethane
Concen: 152.036 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 355374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.6 |

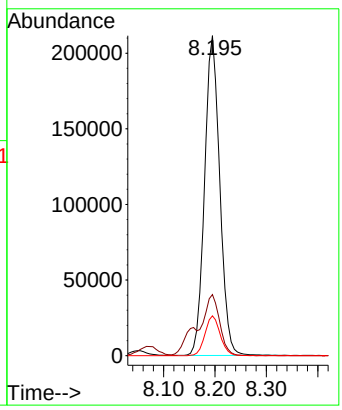





#43
Isopropyl Acetate
Concen: 161.641 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 43374

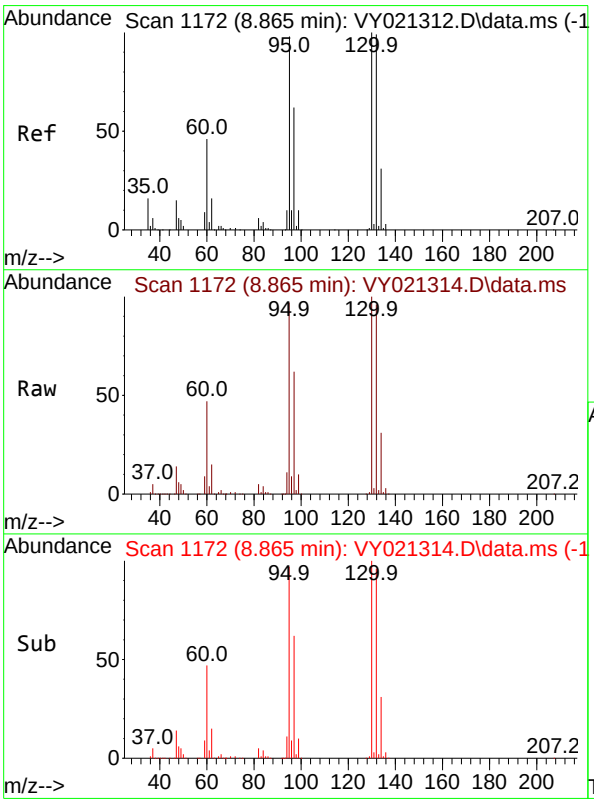
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.1 | 15.0 | 22.6 |
| 87 | 12.4 | 10.0 | 15.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

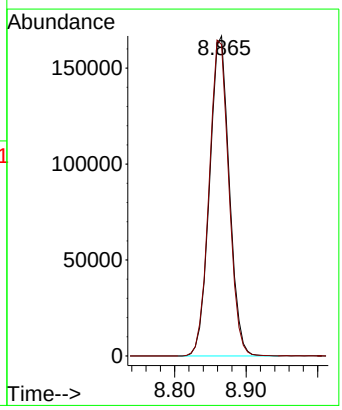
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

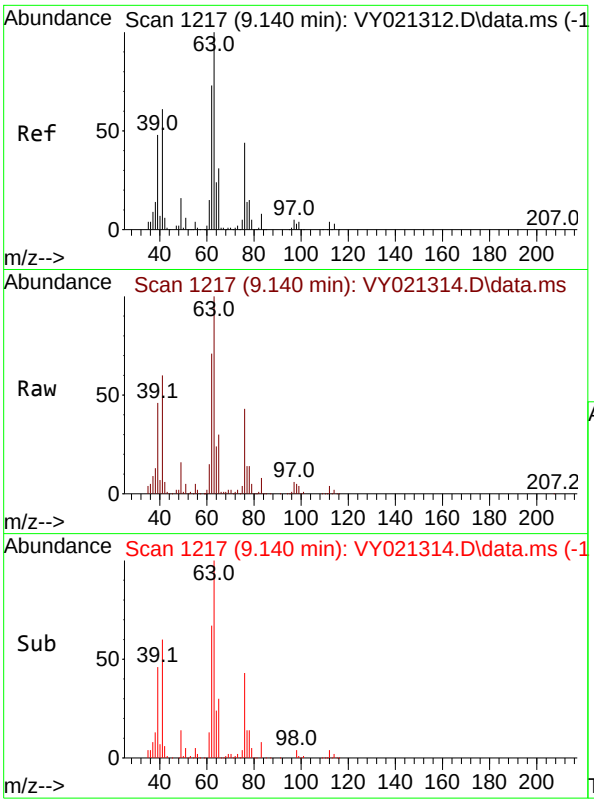



#44
Trichloroethene
Concen: 154.457 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:130 Resp: 318590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.3 | 0.0 | 196.0 |

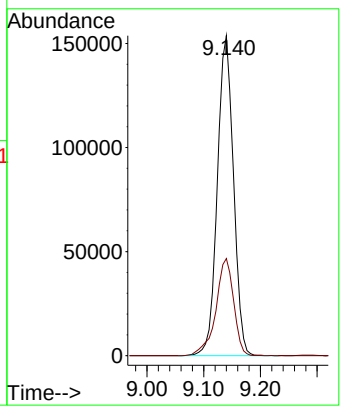





#45
1,2-Dichloropropane
Concen: 152.809 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 30296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.3 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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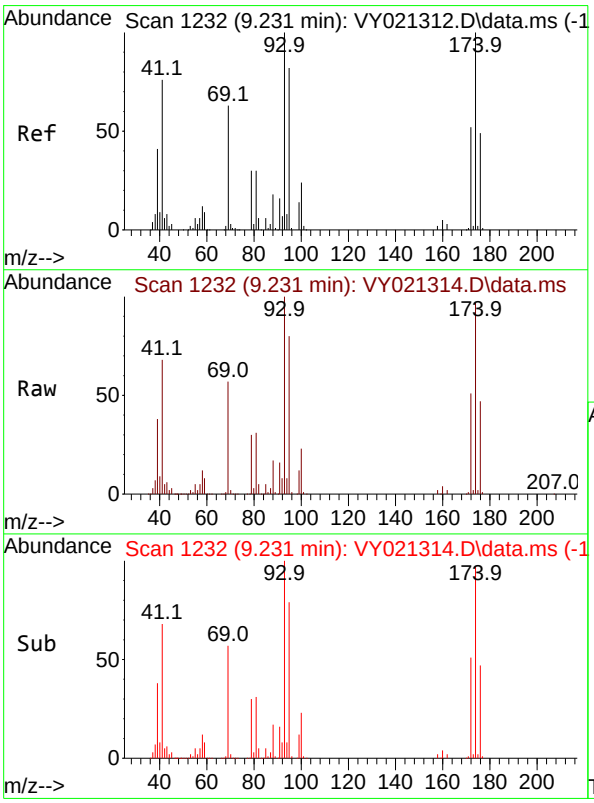
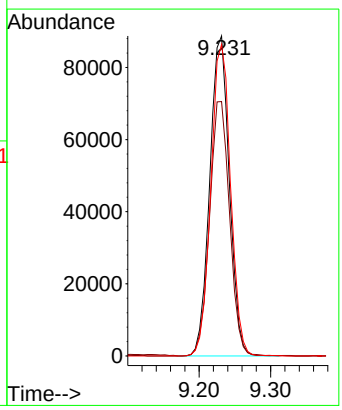
Supervised By :Mahesh Dadoda 02/26/2025

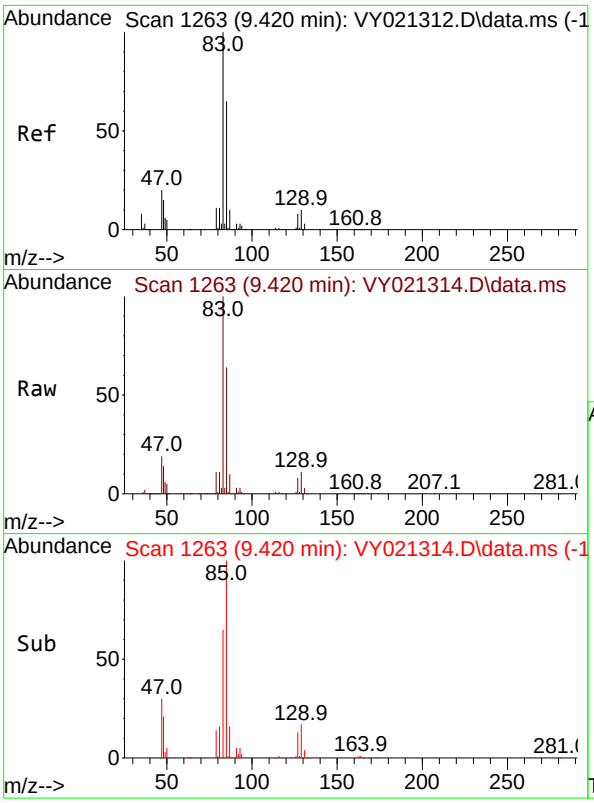



#46
Dibromomethane
Concen: 155.620 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 93 Resp: 168654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.2 | 66.4 | 99.6 |
| 174 | 98.2 | 78.2 | 117.2 |

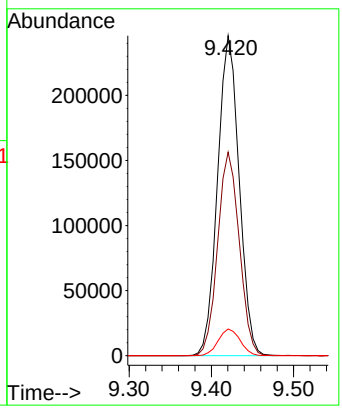





#47
Bromodichloromethane
Concen: 155.172 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 44839

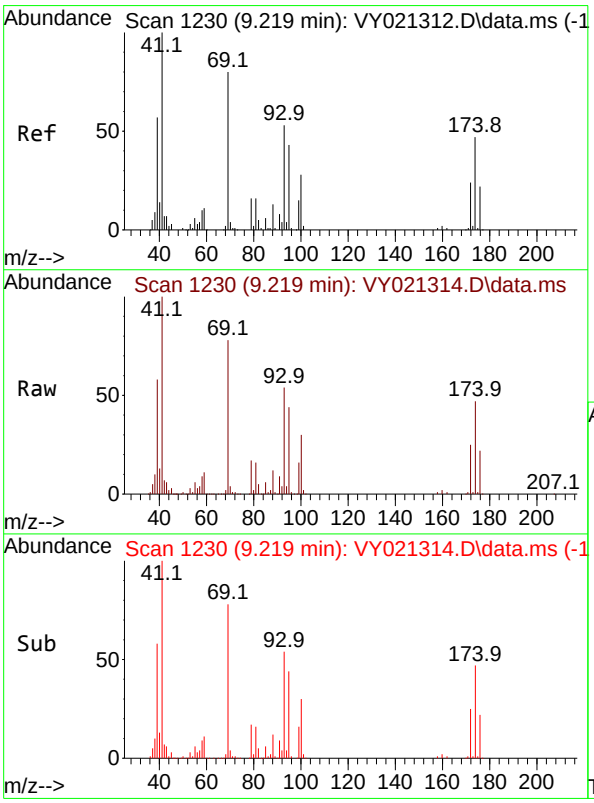
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 51.8 | 77.8 |
| 127 | 8.4 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

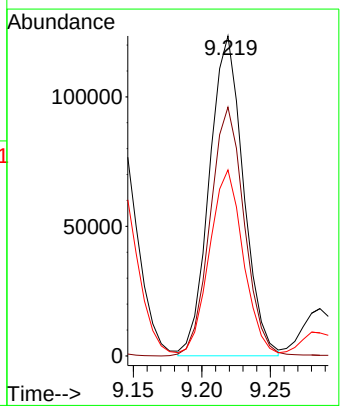
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

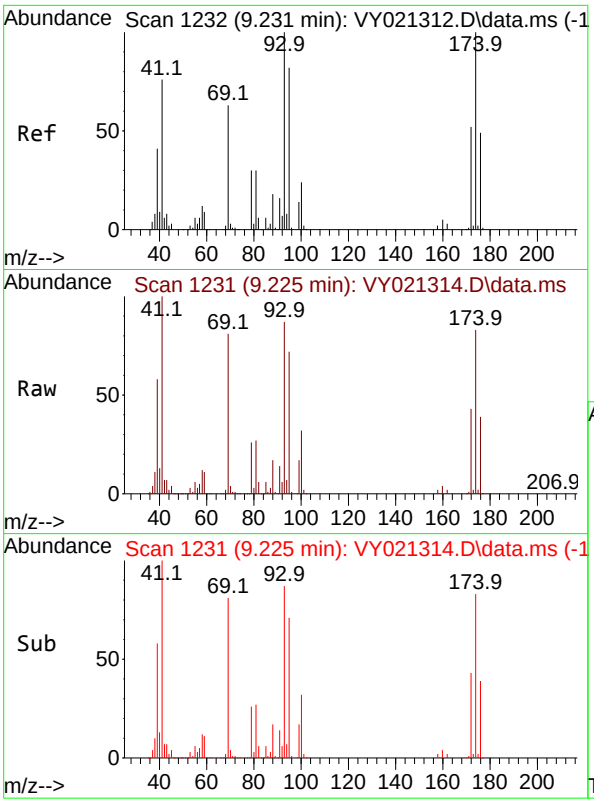



#48
Methyl methacrylate
Concen: 169.923 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 213222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.4 | 63.3 | 94.9 |
| 39 | 56.2 | 45.0 | 67.6 |

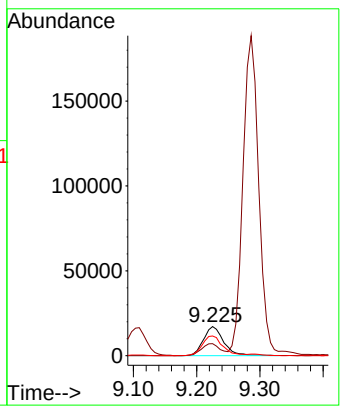





#49
1,4-Dioxane
Concen: 3165.209 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 88 Resp: 3814

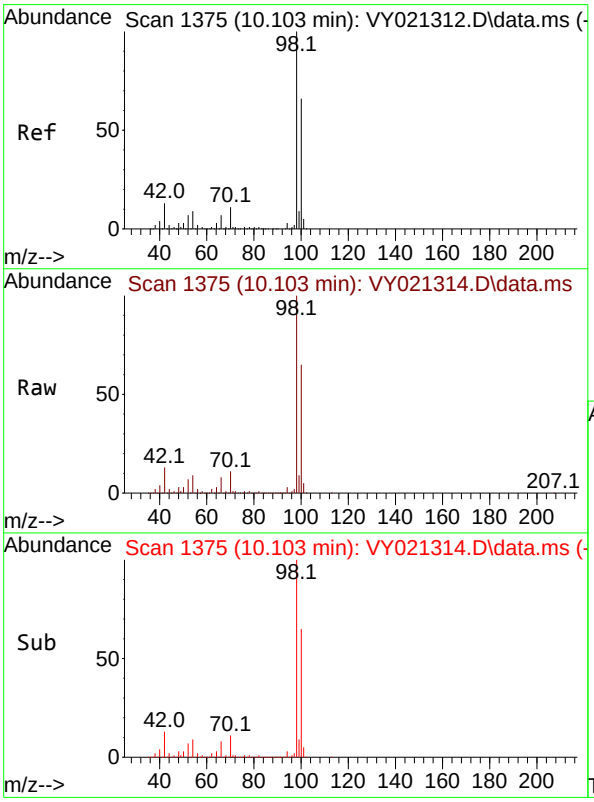
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.4 | 34.8 | 52.2 |
| 58 | 68.6 | 59.8 | 89.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

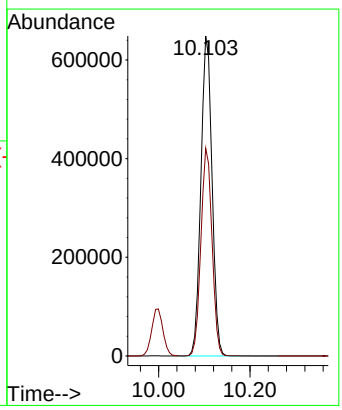
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

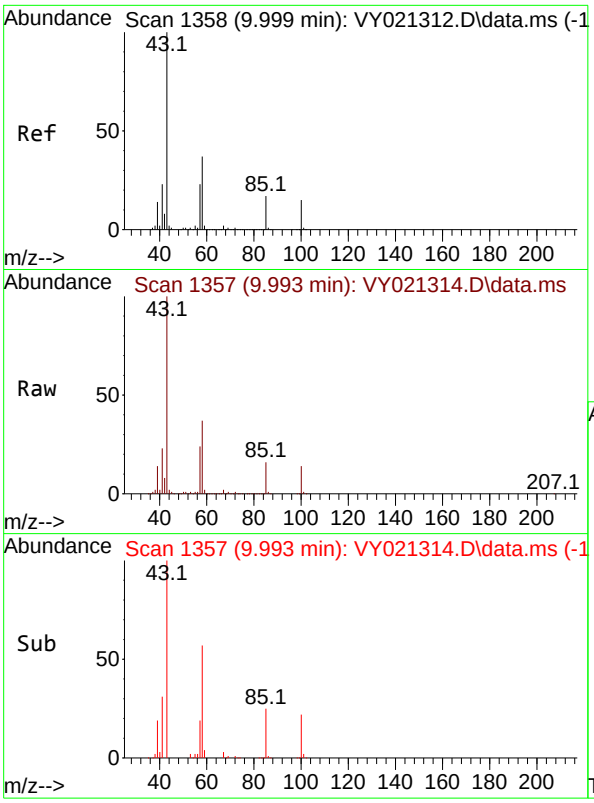



#50
Toluene-d8
Concen: 152.682 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 98 Resp: 1094820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 52.4 | 78.6 |

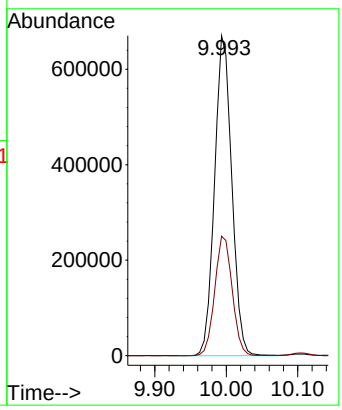





#51
4-Methyl-2-Pentanone
Concen: 816.471 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 112150

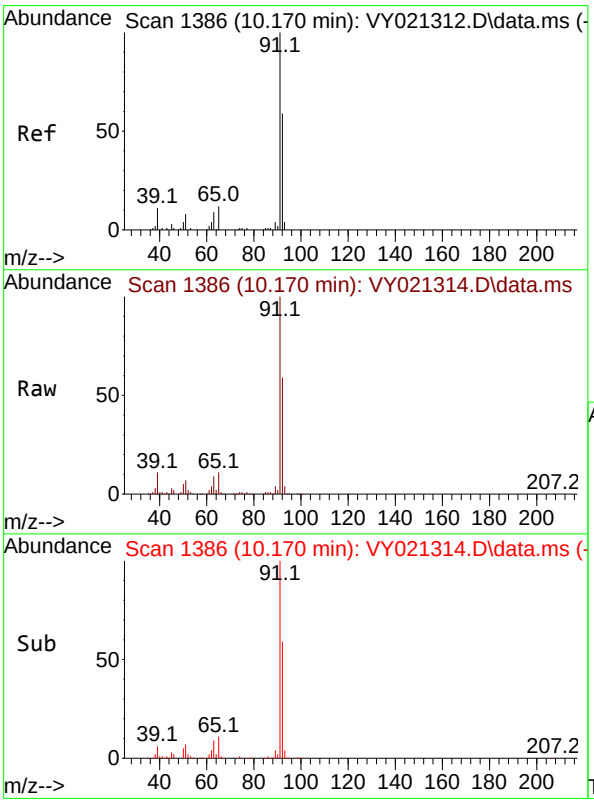
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

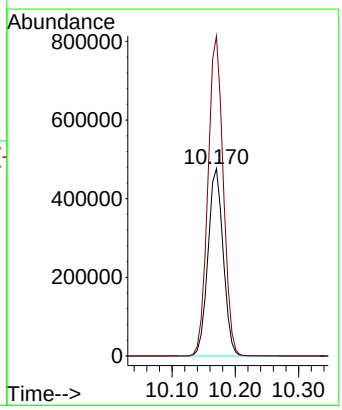
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

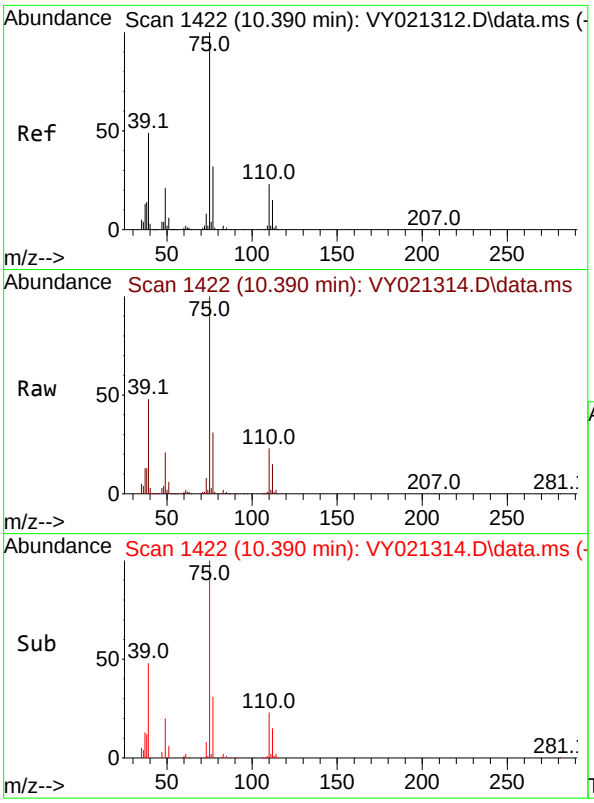



#52
Toluene
Concen: 155.232 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 92 Resp: 794485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.2 | 137.8 | 206.8 |

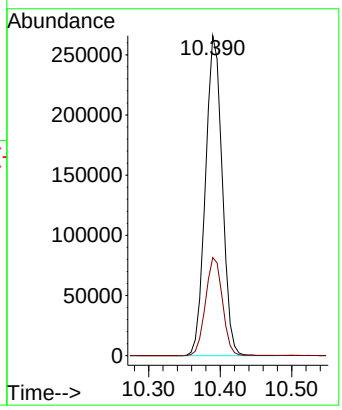





#53
t-1,3-Dichloropropene
Concen: 163.384 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 43256

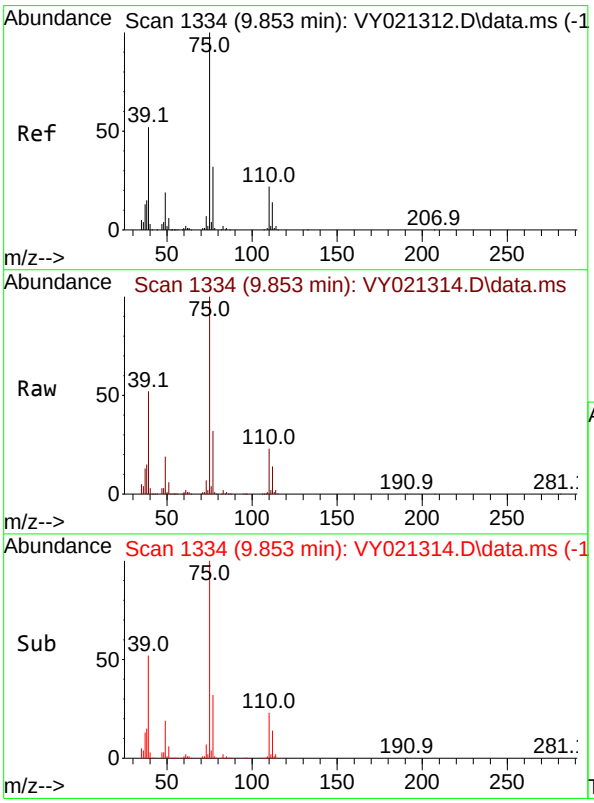
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.3 | 37.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

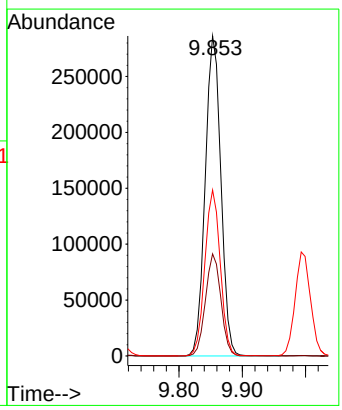
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

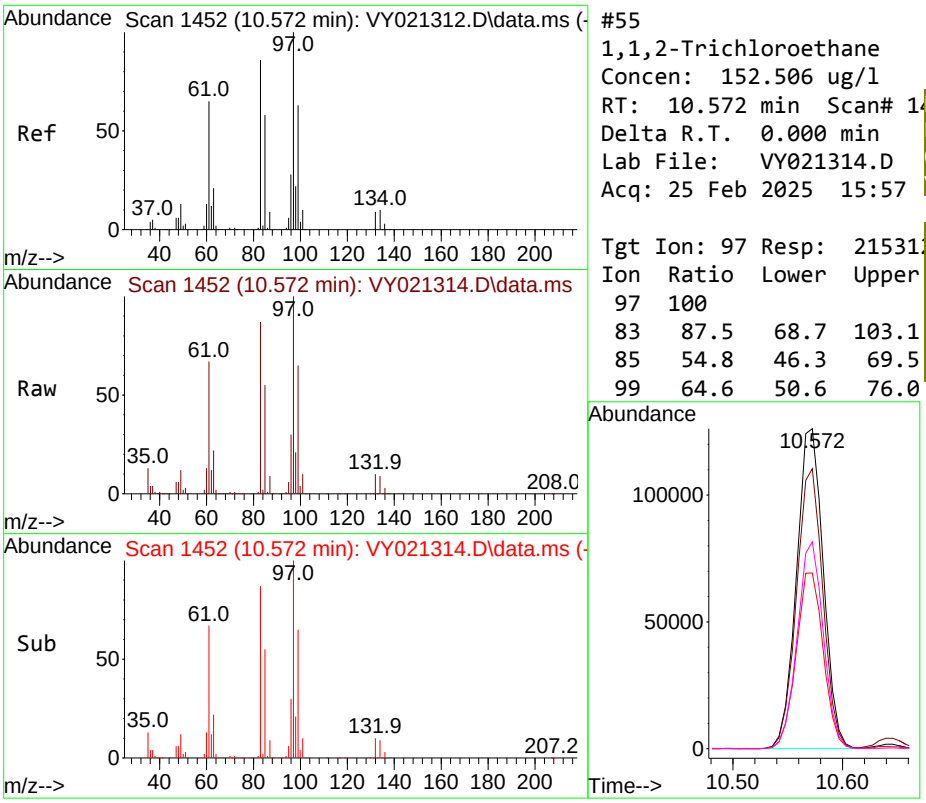



#54
cis-1,3-Dichloropropene
Concen: 157.928 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 493601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.7 | 38.5 |
| 39 | 51.8 | 41.8 | 62.6 |






#55
1,1,2-Trichloroethane
Concen: 152.506 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 21531

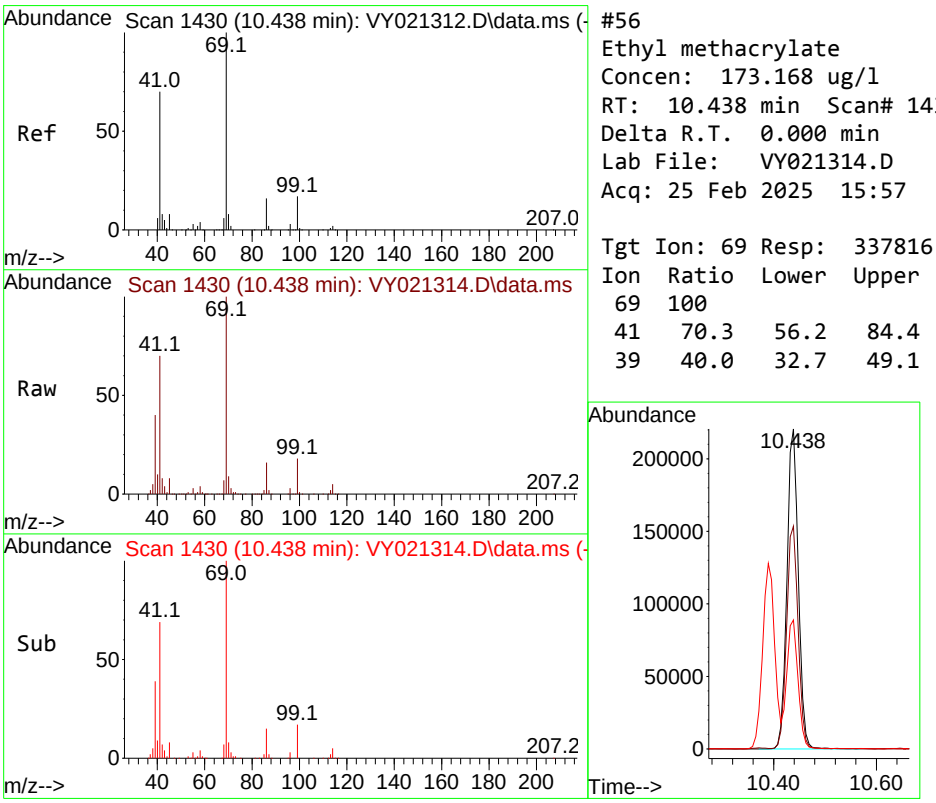
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.5 | 68.7 | 103.1 |
| 85 | 54.8 | 46.3 | 69.5 |
| 99 | 64.6 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

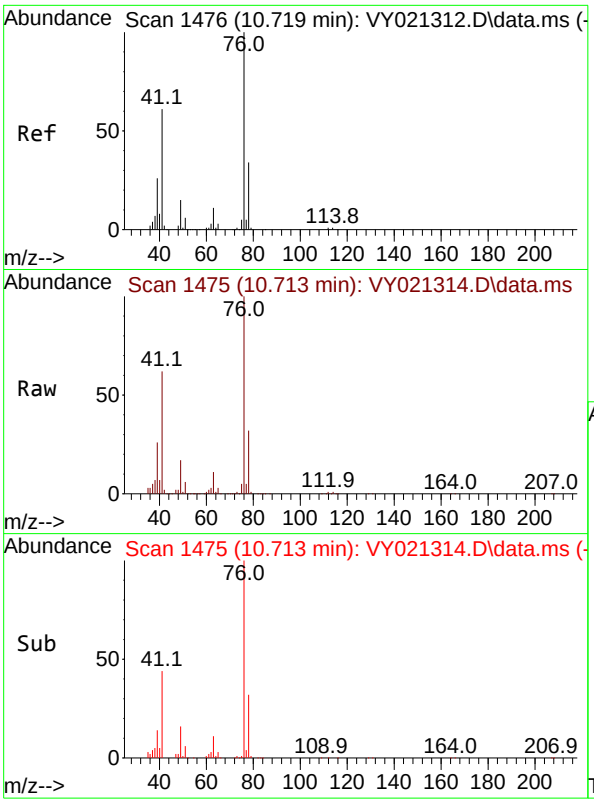
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025




#56
Ethyl methacrylate
Concen: 173.168 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 69 Resp: 337816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.3 | 56.2 | 84.4 |
| 39 | 40.0 | 32.7 | 49.1 |




#57
1,3-Dichloropropane
Concen: 155.726 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 76 Resp: 38580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 25.9 | 38.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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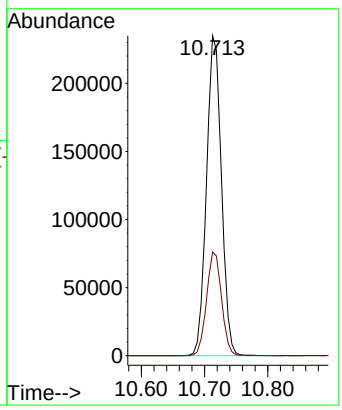
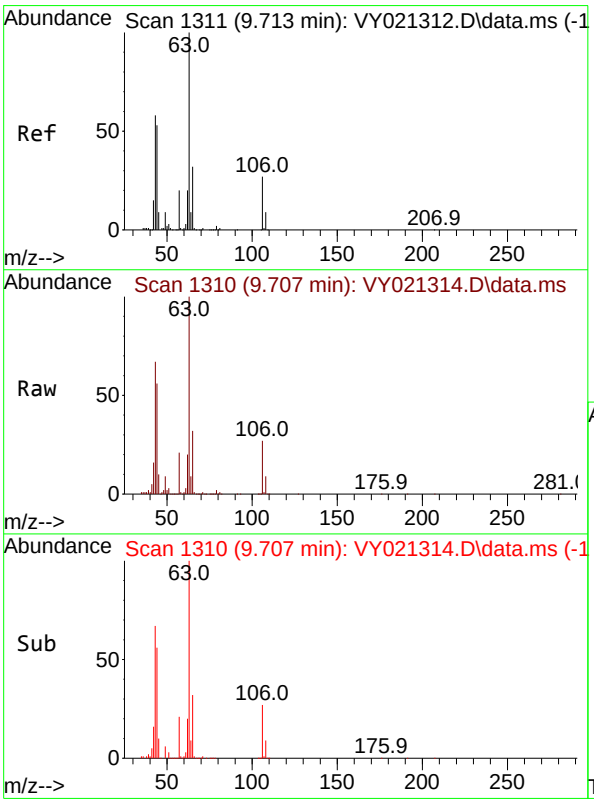
Supervised By :Mahesh Dadoda 02/26/2025

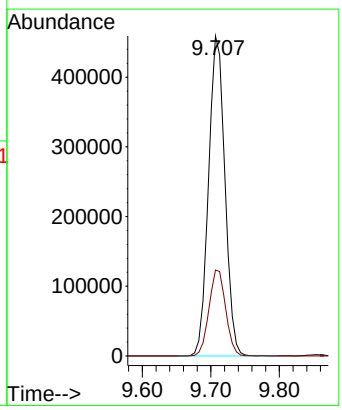


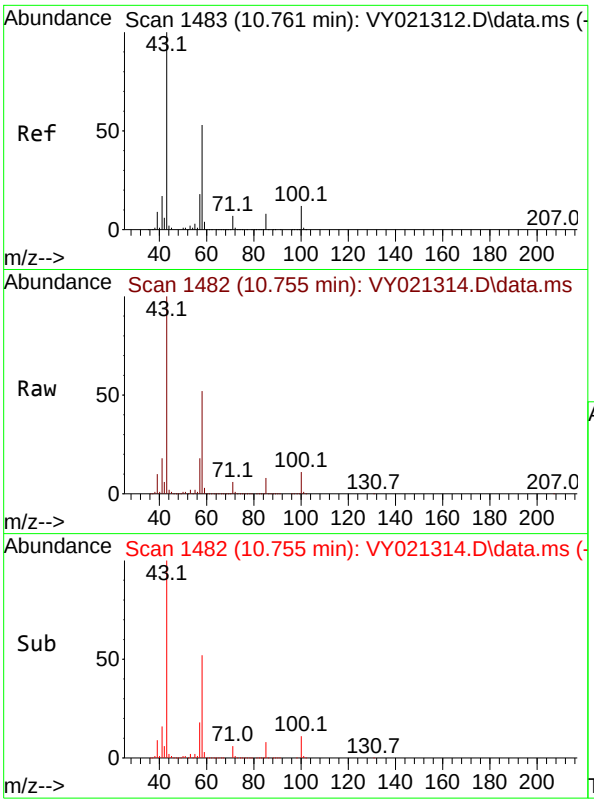




#58
2-Chloroethyl Vinyl ether
Concen: 812.859 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 761125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.4 | 21.7 | 32.5 |

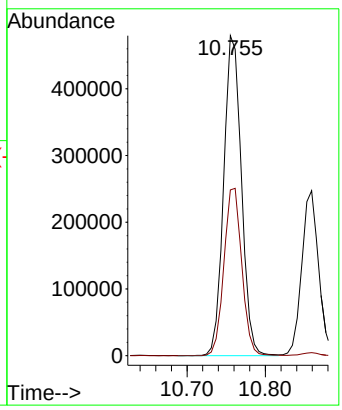





#59
2-Hexanone
Concen: 836.458 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 754575

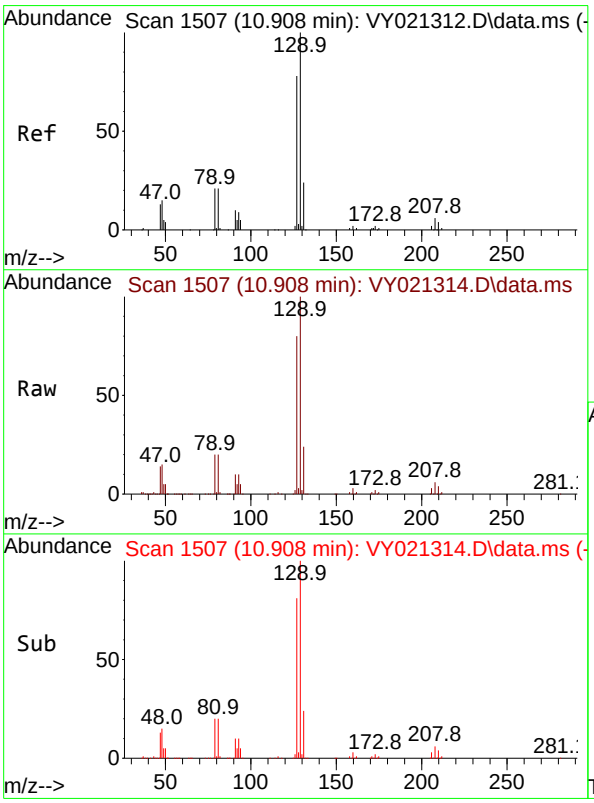
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.8 | 25.9 | 77.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

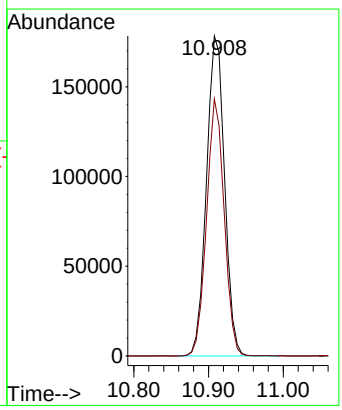
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

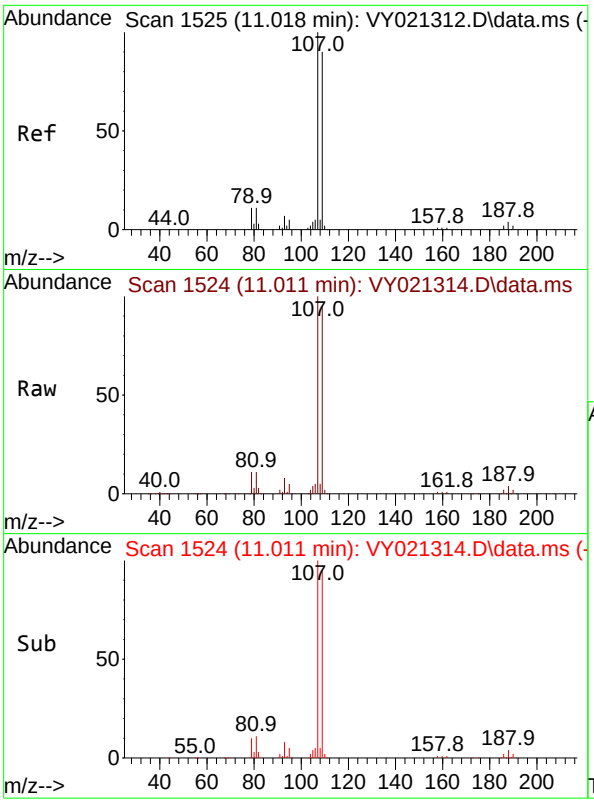



#60
Dibromochloromethane
Concen: 155.598 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:129 Resp: 299188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.3 | 38.8 | 116.4 |

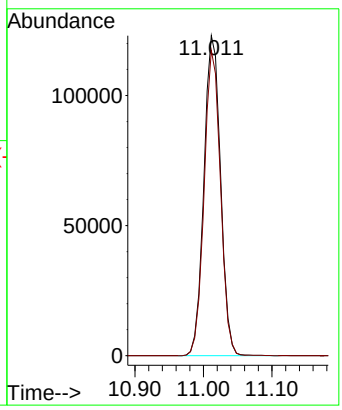





#61
1,2-Dibromoethane
Concen: 155.651 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:107 Resp: 20804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 73.8 | 110.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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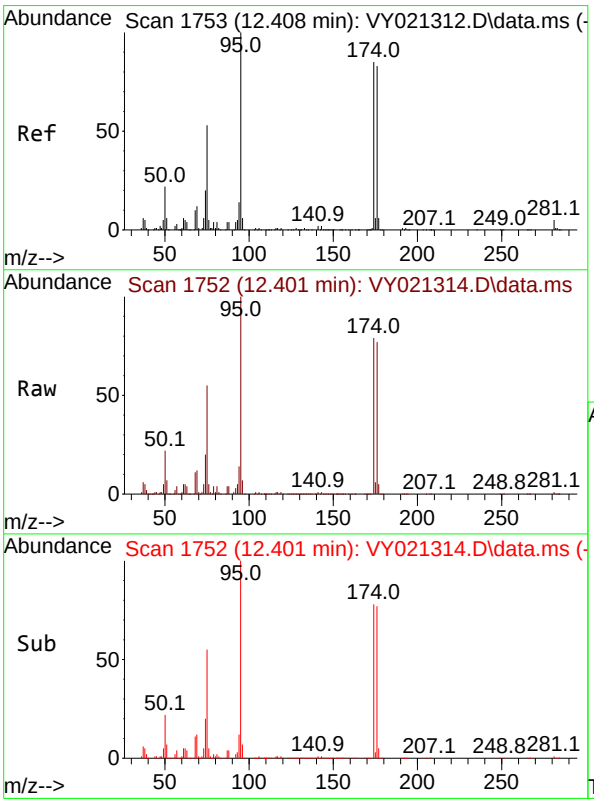
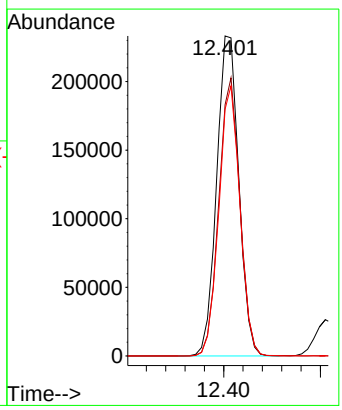
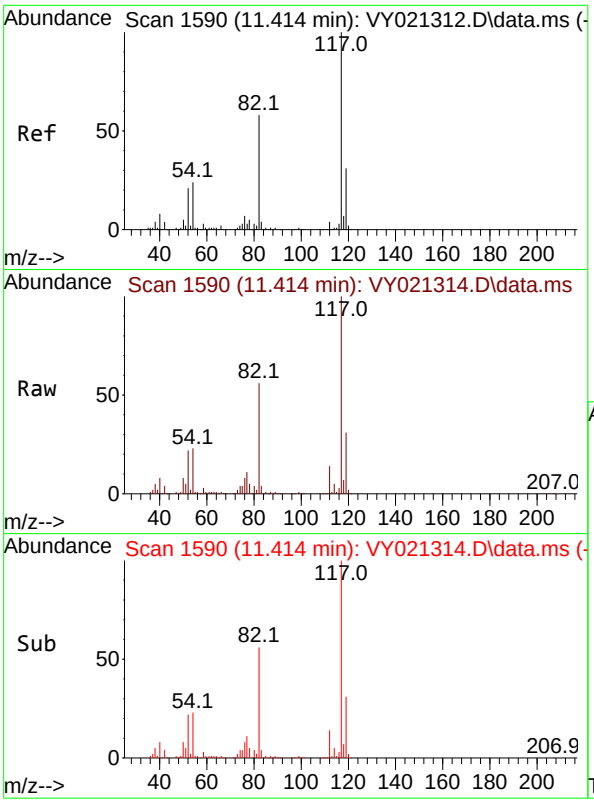



#62
4-Bromofluorobenzene
Concen: 152.937 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 95 Resp: 369071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.9 | 0.0 | 168.0 |
| 176 | 80.5 | 0.0 | 162.6 |

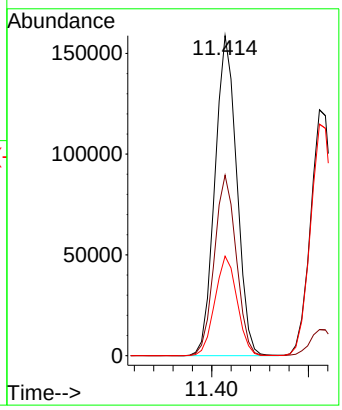





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 24849

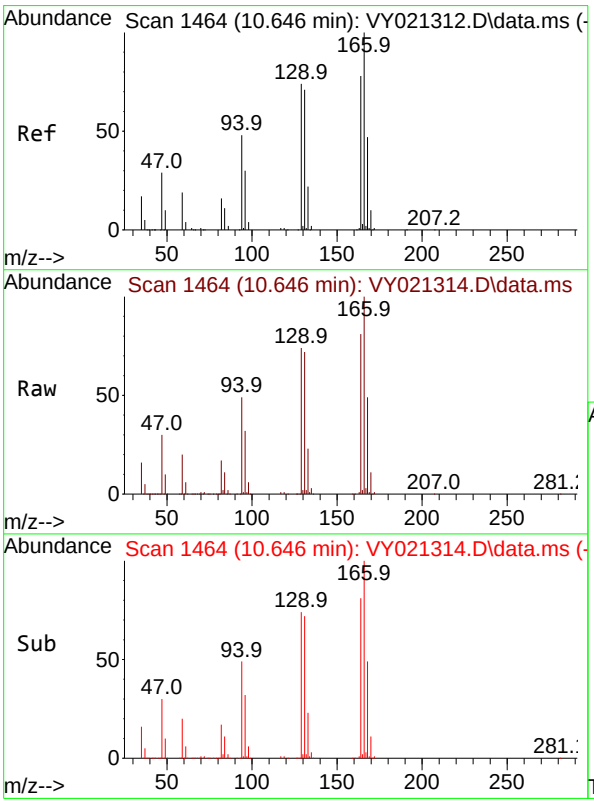
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 46.2 | 69.4 |
| 119 | 31.1 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

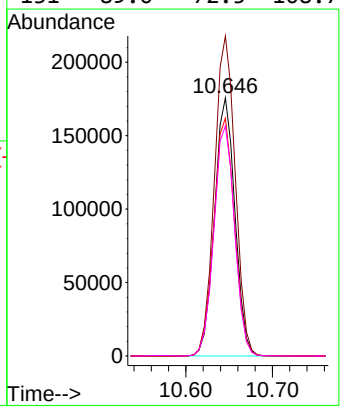
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

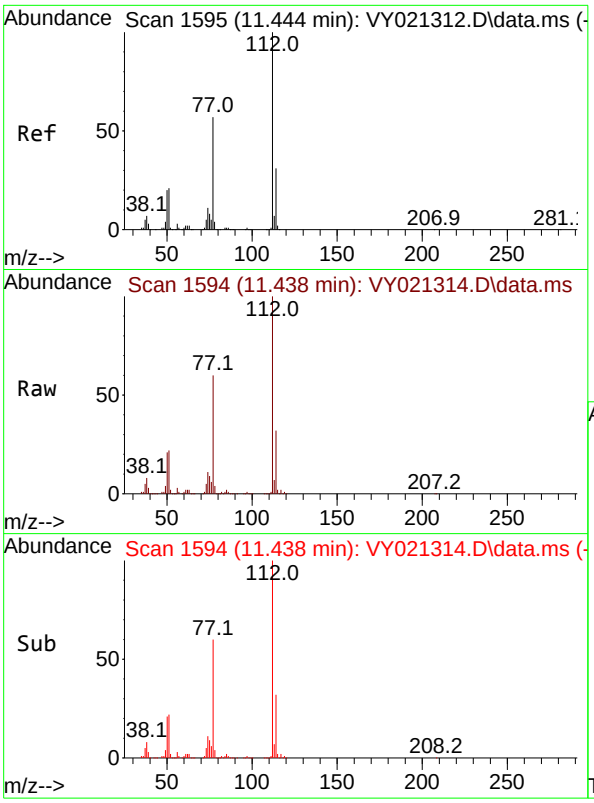



#64
Tetrachloroethene
Concen: 153.351 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:164 Resp: 288026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.0 | 101.9 | 152.9 |
| 129 | 92.1 | 75.5 | 113.3 |
| 131 | 89.0 | 72.5 | 108.7 |

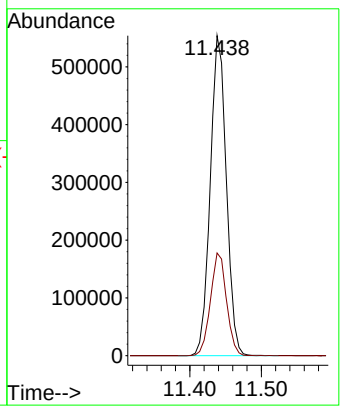





#65
Chlorobenzene
Concen: 154.837 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:112 Resp: 86367

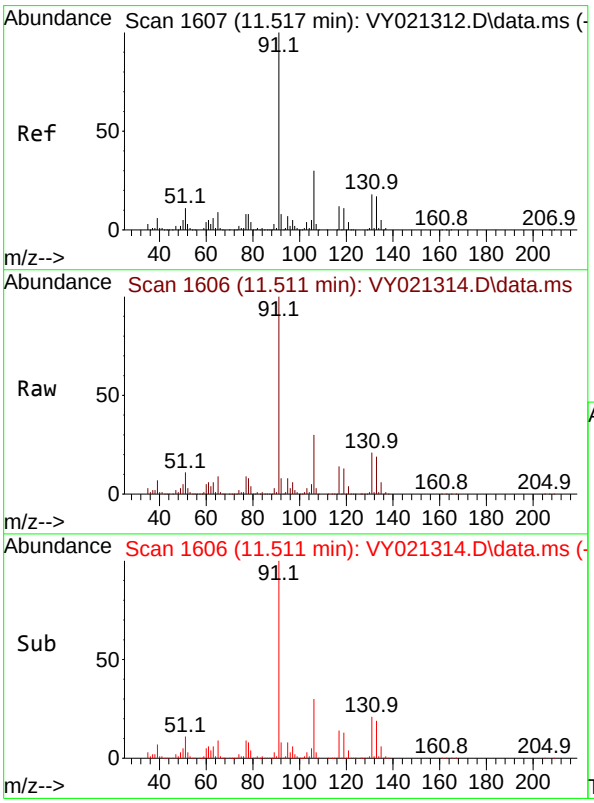
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

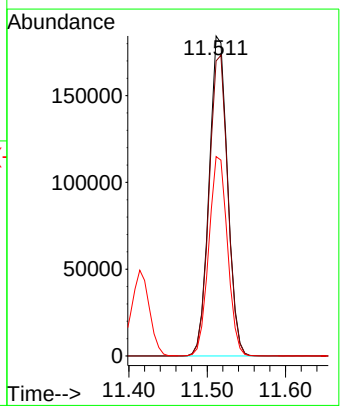
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

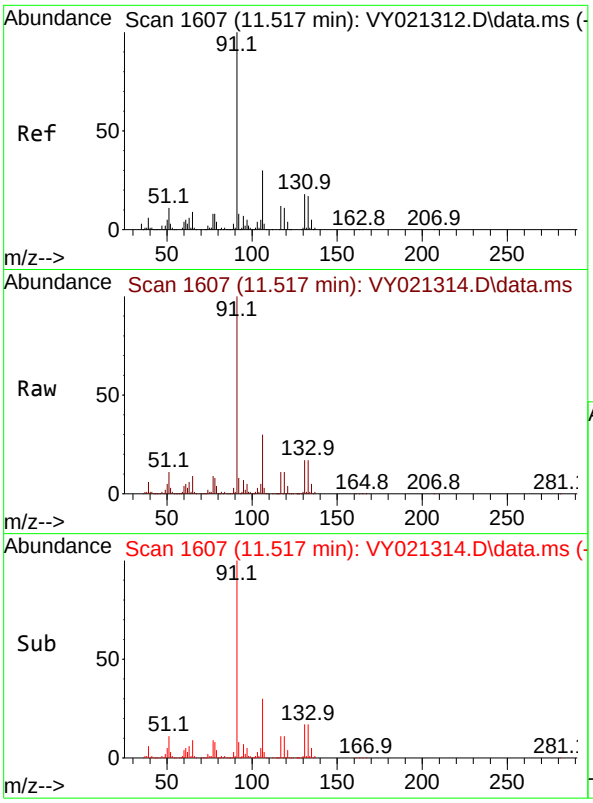



#66
1,1,1,2-Tetrachloroethane
Concen: 154.234 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:131 Resp: 301244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.3 | 47.9 | 143.6 |
| 119 | 63.3 | 31.7 | 95.1 |

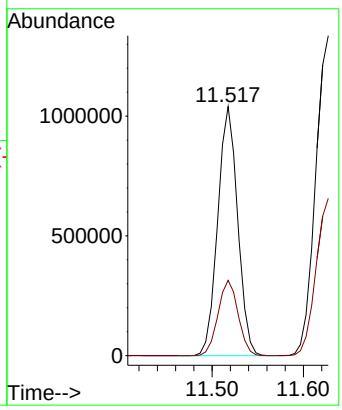





#67
Ethyl Benzene
Concen: 159.586 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 157674

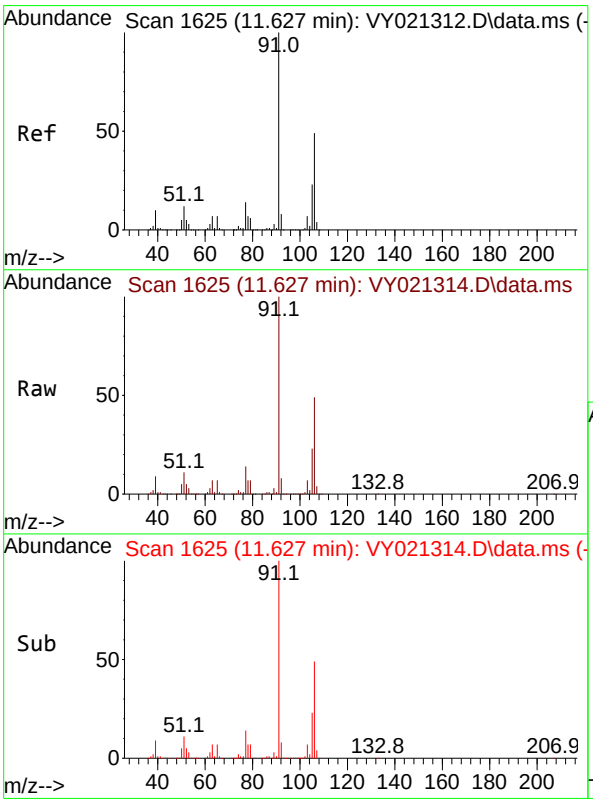
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.2 | 24.4 | 36.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

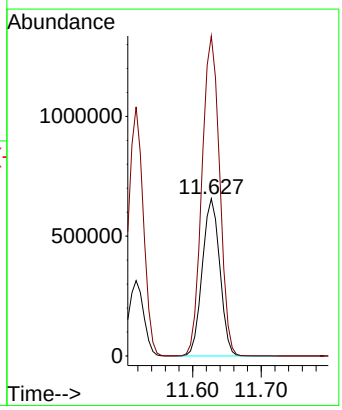
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

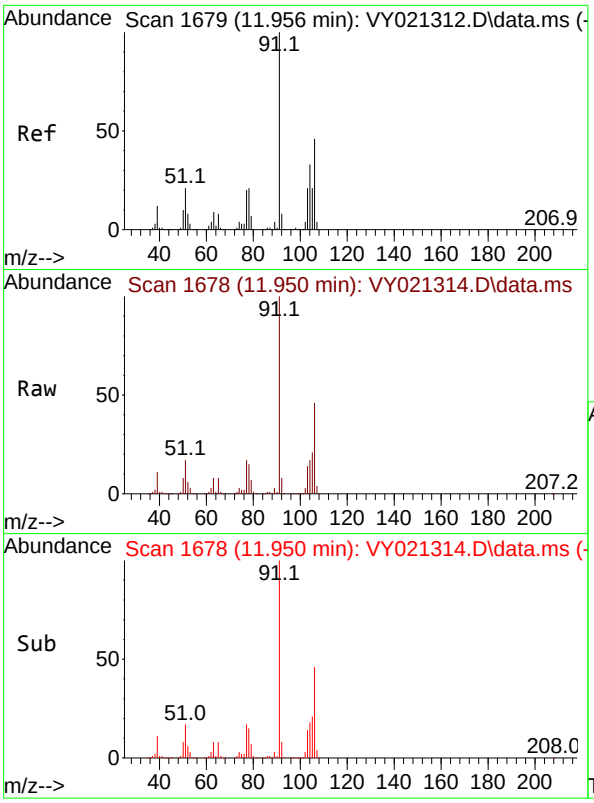



#68
m/p-Xylenes
Concen: 314.246 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:106 Resp: 1167839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.5 | 163.9 | 245.9 |

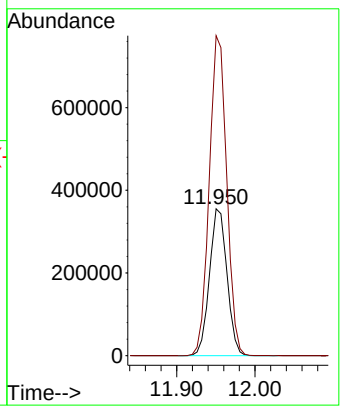





#69
o-Xylene
Concen: 158.258 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:106 Resp: 55097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.0 | 108.1 | 324.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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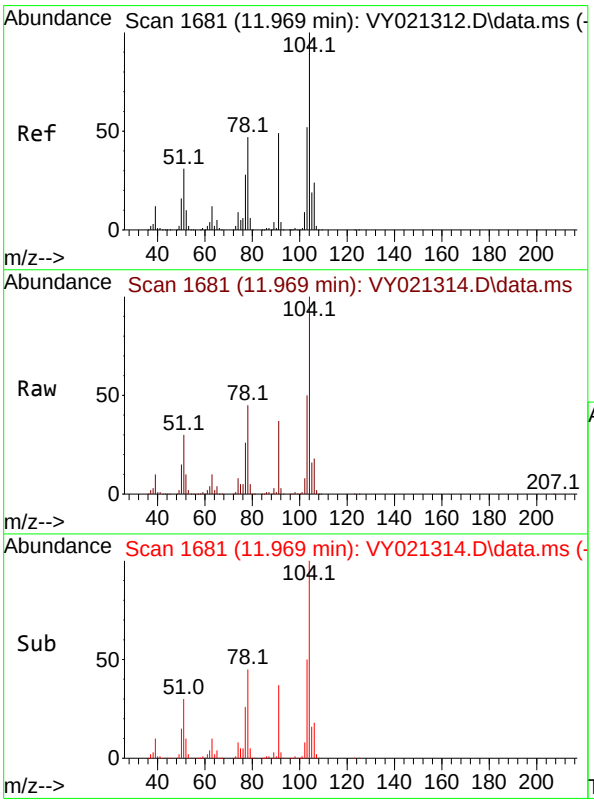
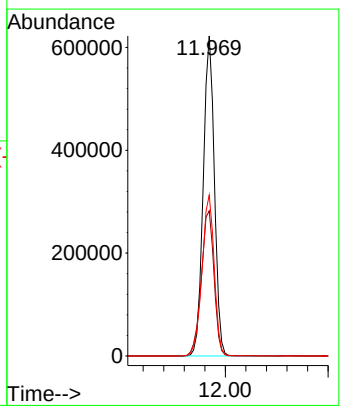
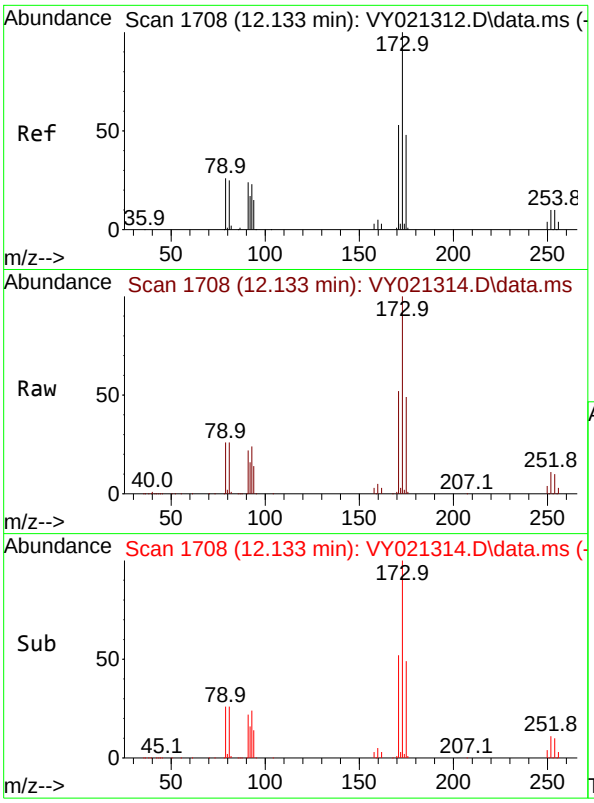



#70
Styrene
Concen: 161.754 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:104 Resp: 936967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 41.3 | 61.9 |
| 103 | 55.0 | 43.9 | 65.9 |

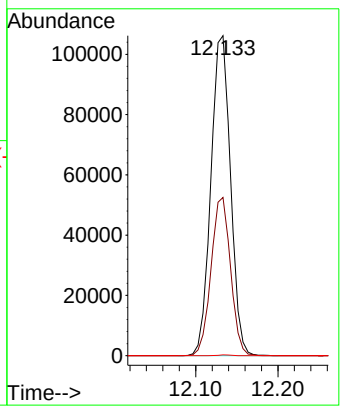





#71
Bromoform
Concen: 157.441 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:173 Resp: 17591

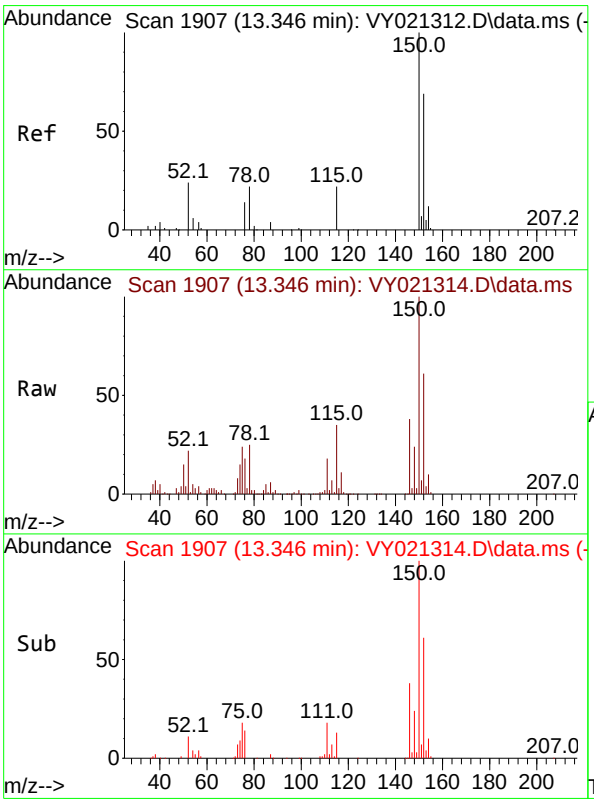
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.2 | 24.1 | 72.3 |
| 254 | 0.2 | 0.1 | 0.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

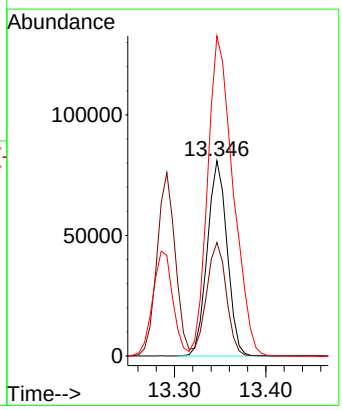
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

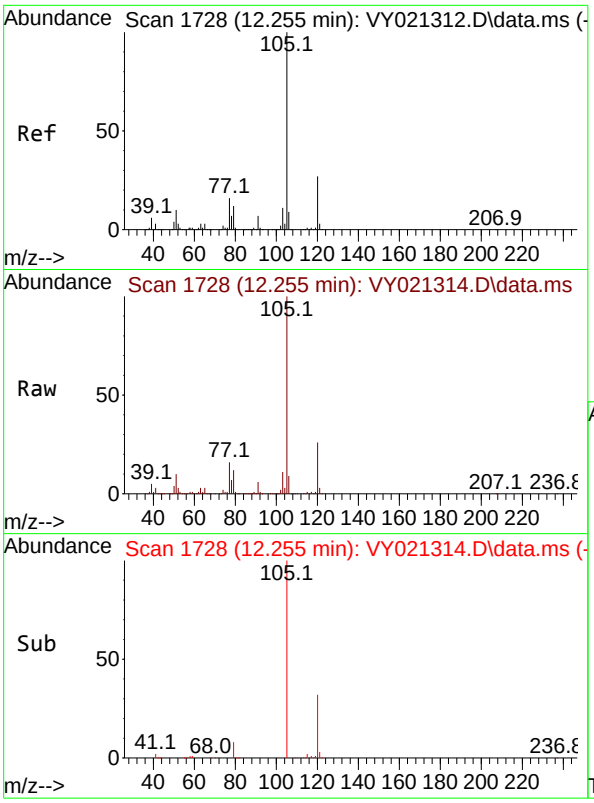



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:152 Resp: 121558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.3 | 29.3 | 88.0 |
| 150 | 210.8 | 0.0 | 347.4 |

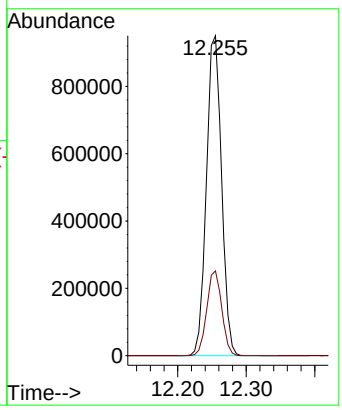





#73
Isopropylbenzene
Concen: 159.969 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 146190

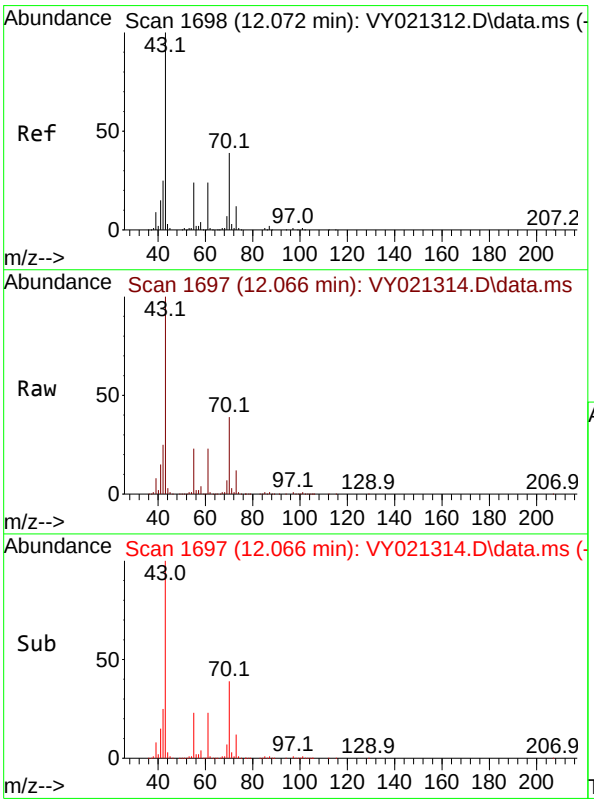
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.3 | 39.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

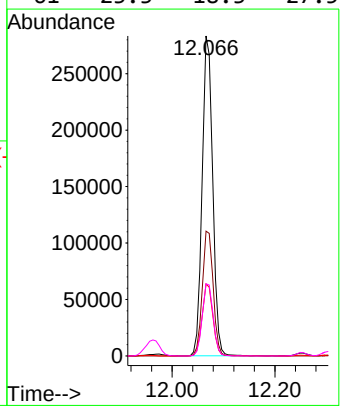
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

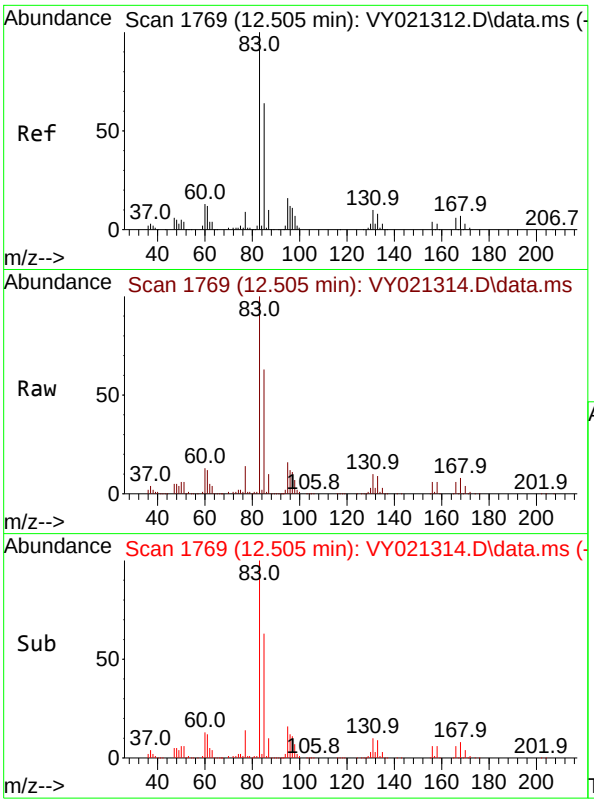



#74
N-amyl acetate
Concen: 173.596 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 403238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 32.2 | 48.2 |
| 55 | 23.0 | 19.6 | 29.4 |
| 61 | 23.3 | 18.3 | 27.5 |

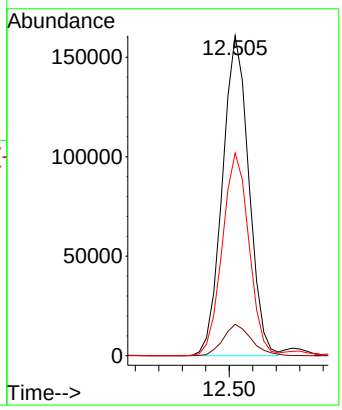





#75
1,1,2,2-Tetrachloroethane
Concen: 155.759 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 25121

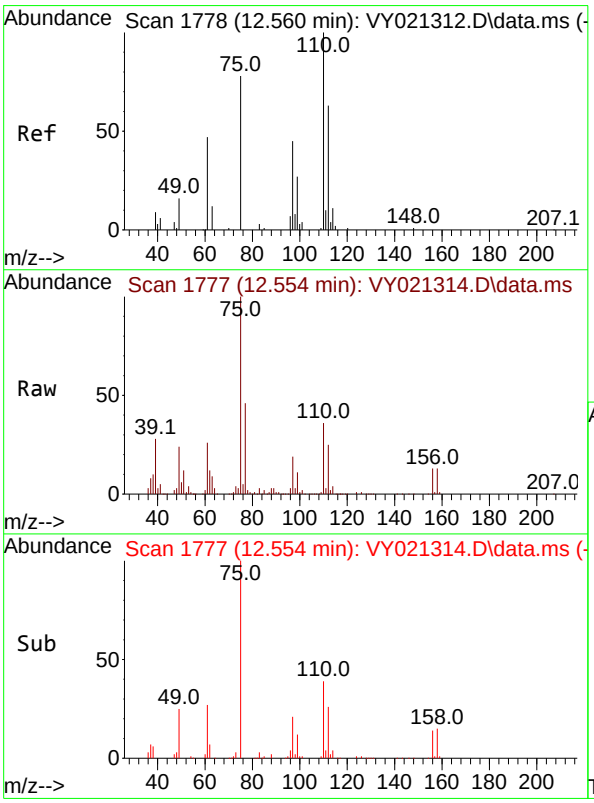
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.5 | 5.2 | 15.6 |
| 85 | 63.8 | 32.0 | 96.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

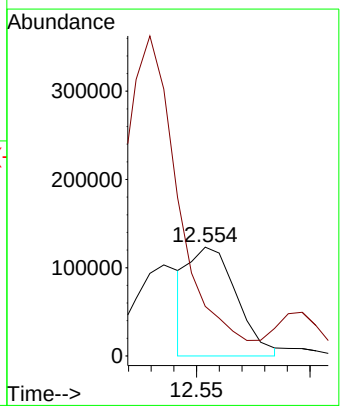
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

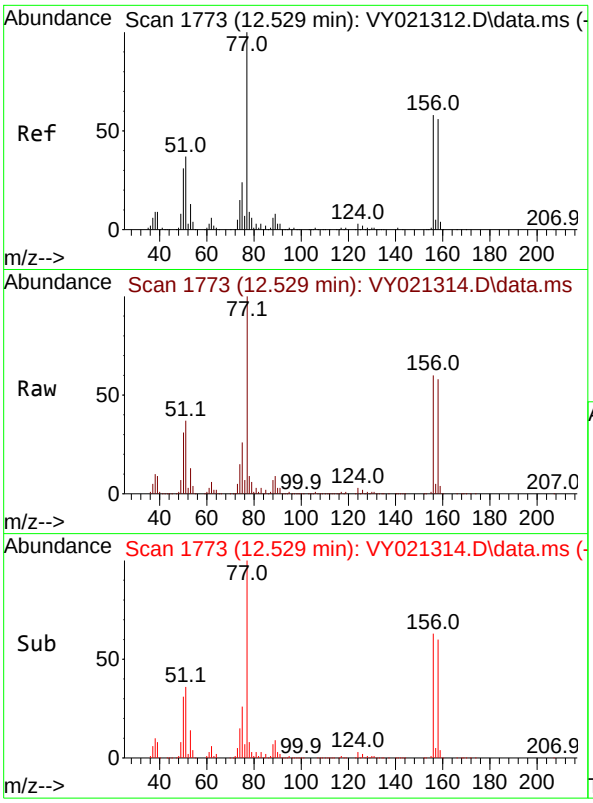



#76
1,2,3-Trichloropropane
Concen: 146.733 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 179622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

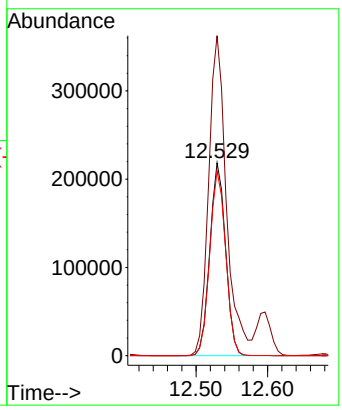





#77
Bromobenzene
Concen: 157.025 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:156 Resp: 33377

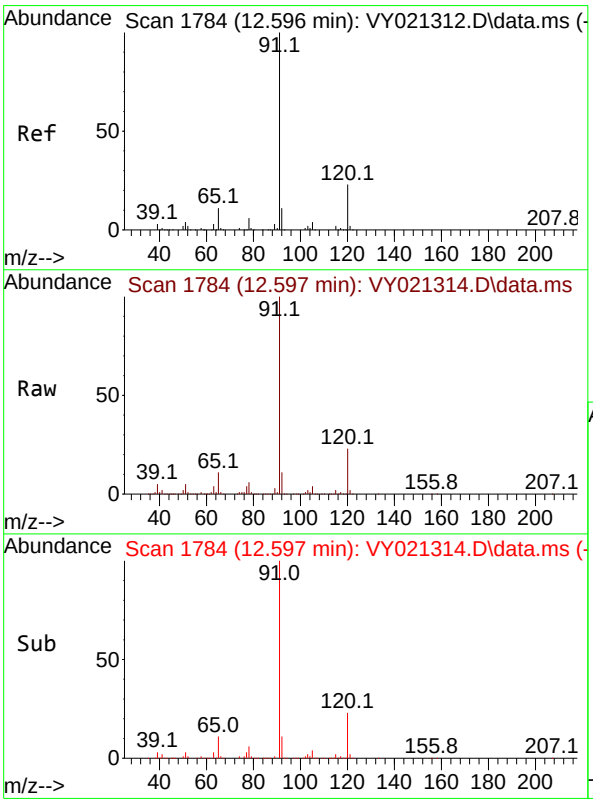
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.1 | 94.0 | 282.1 |
| 158 | 97.0 | 48.7 | 146.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

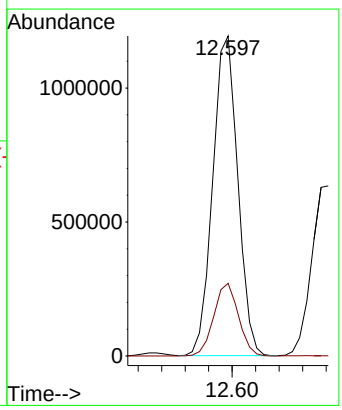
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

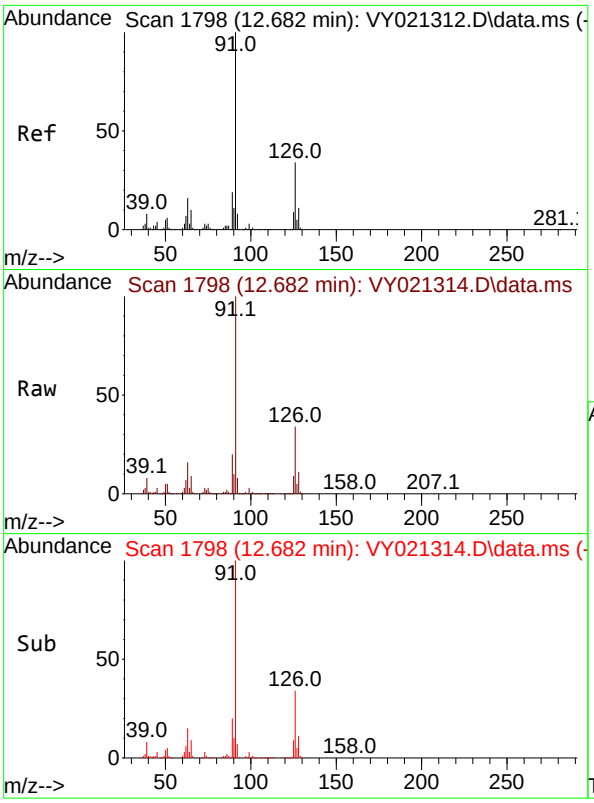



#78
n-propylbenzene
Concen: 159.217 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1765636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.2 | 33.5 |

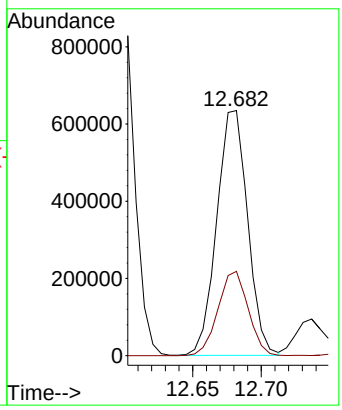





#79
2-Chlorotoluene
Concen: 156.411 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 99545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 16.9 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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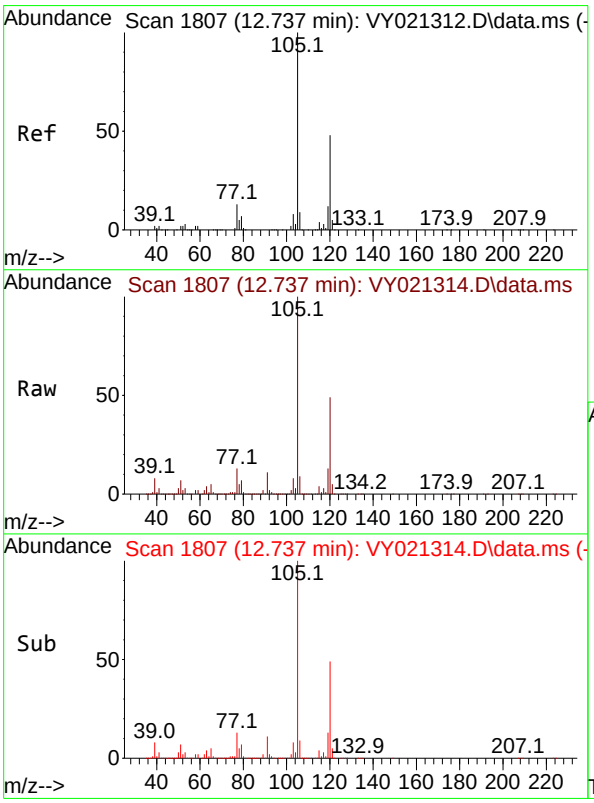
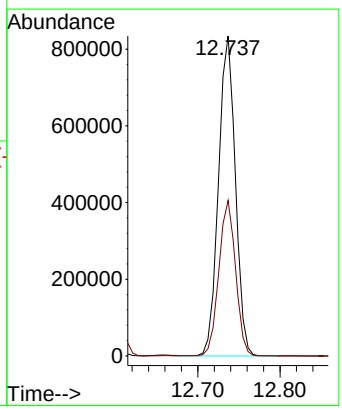
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

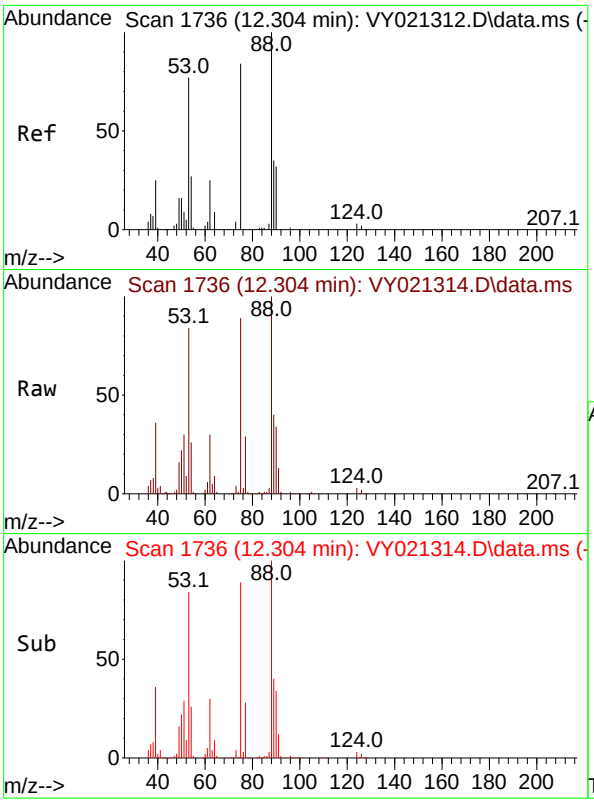



#80
1,3,5-Trimethylbenzene
Concen: 158.830 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1190462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.3 | 73.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 169.722 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

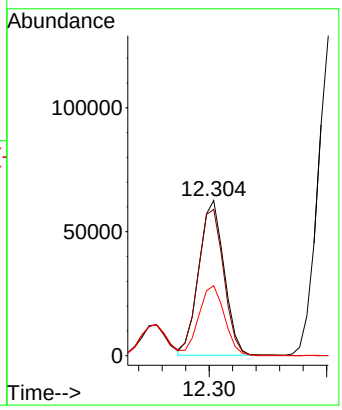
Tgt Ion: 75 Resp: 9291

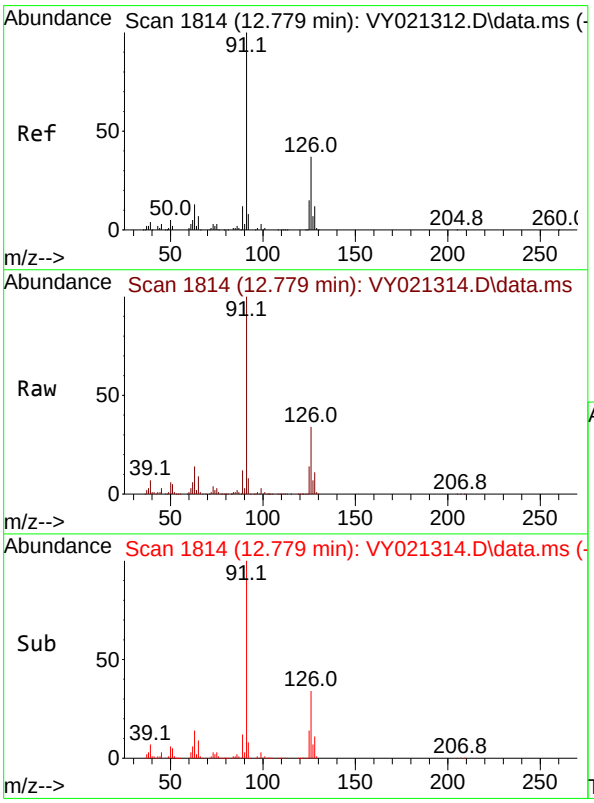
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 96.8 | 79.1 | 118.7 |
| 89 | 46.3 | 35.6 | 53.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

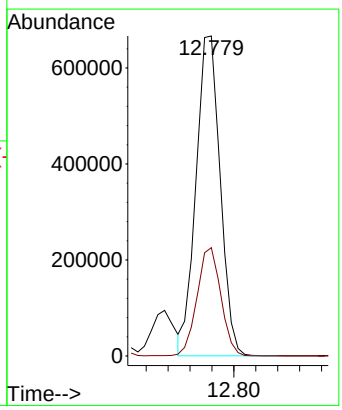


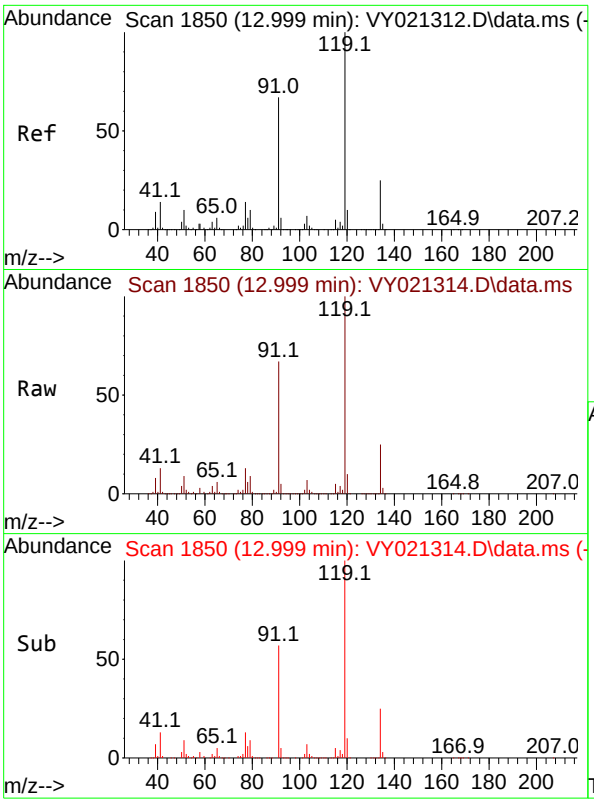




#82
4-Chlorotoluene
Concen: 154.883 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1021811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.8 | 50.4 |

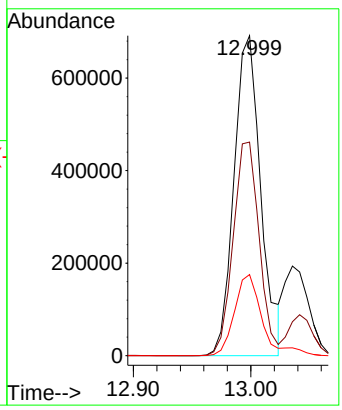





#83
tert-Butylbenzene
Concen: 161.602 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:119 Resp: 109412

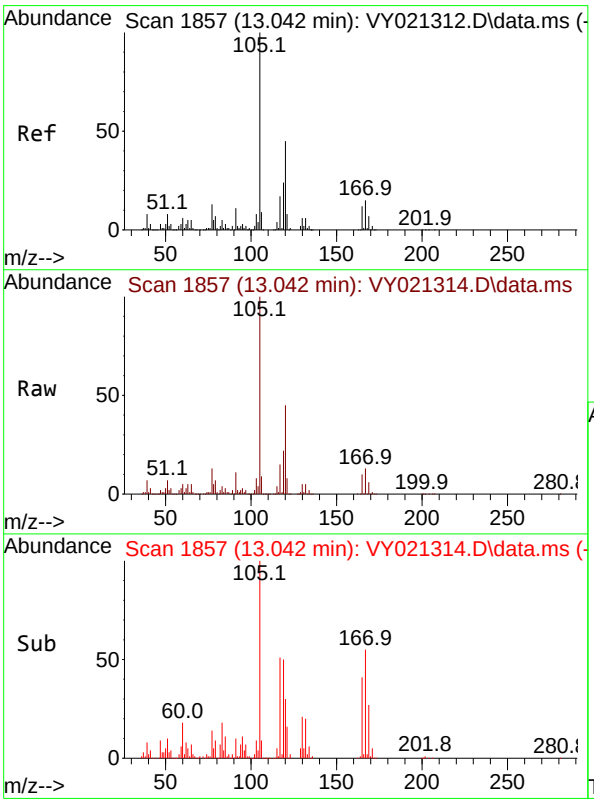
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.0 | 32.7 | 98.1 |
| 134 | 26.2 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

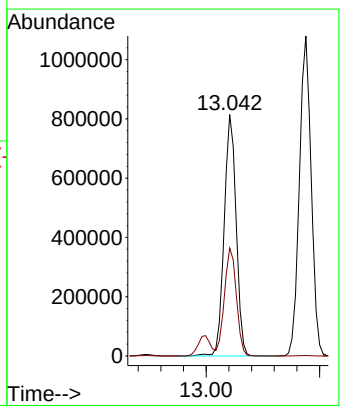
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

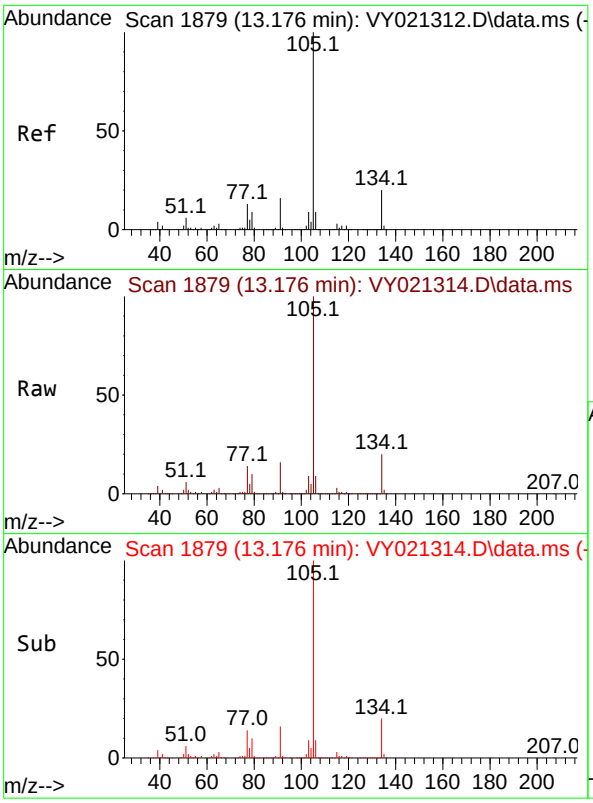



#84
1,2,4-Trimethylbenzene
Concen: 159.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1192062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.5 | 22.4 | 67.3 |

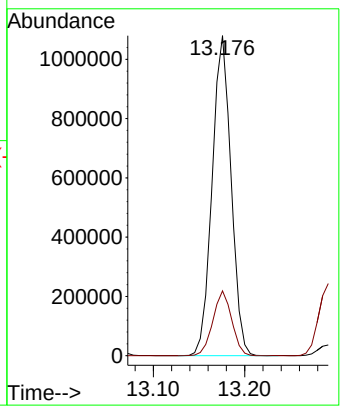





#85
sec-Butylbenzene
Concen: 157.594 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 155854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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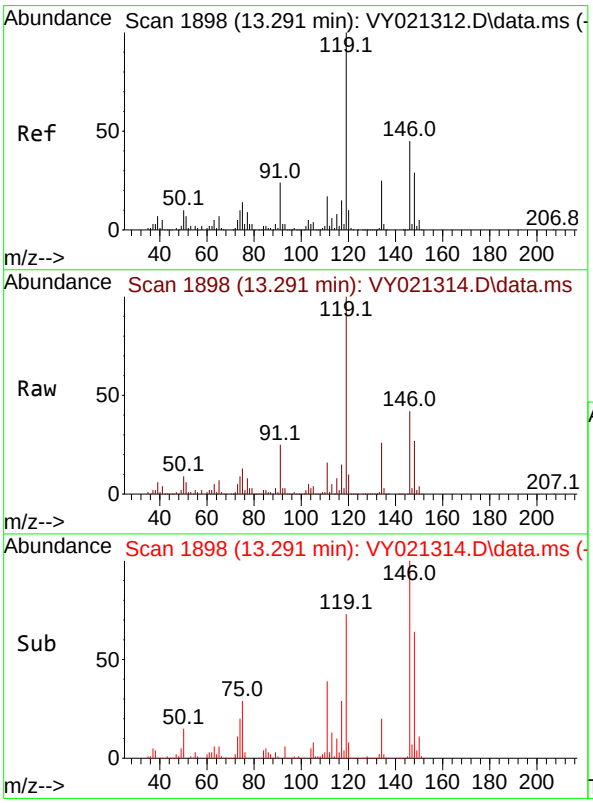
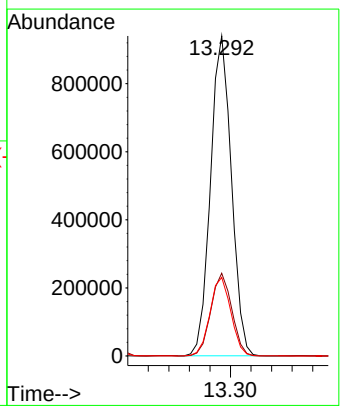
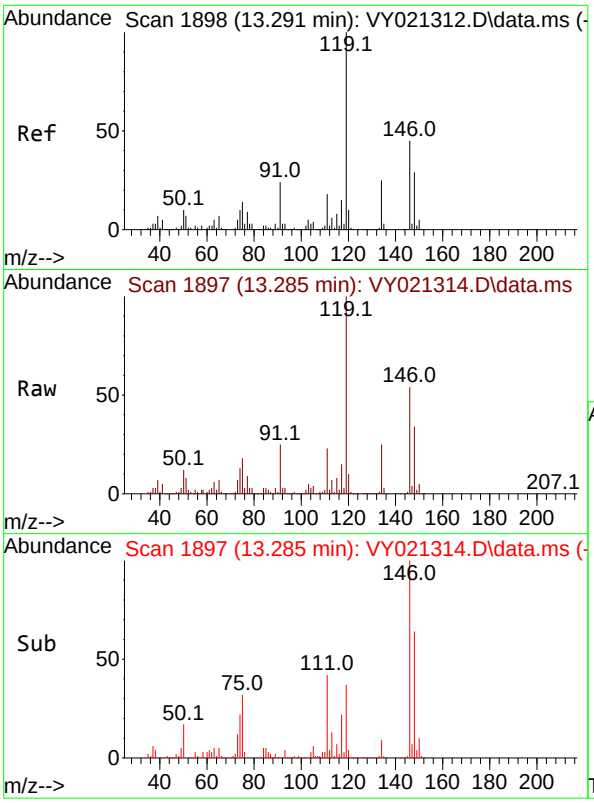



#86
p-Isopropyltoluene
Concen: 160.795 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:119 Resp: 1327819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.0 | 38.9 |
| 91 | 24.5 | 12.0 | 36.1 |

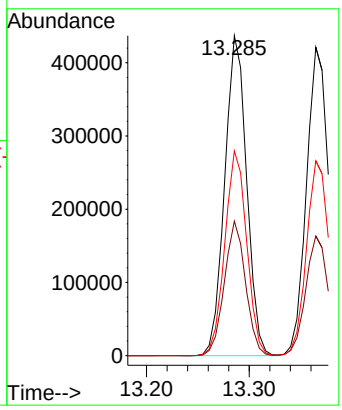





#87
1,3-Dichlorobenzene
Concen: 154.161 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 64820

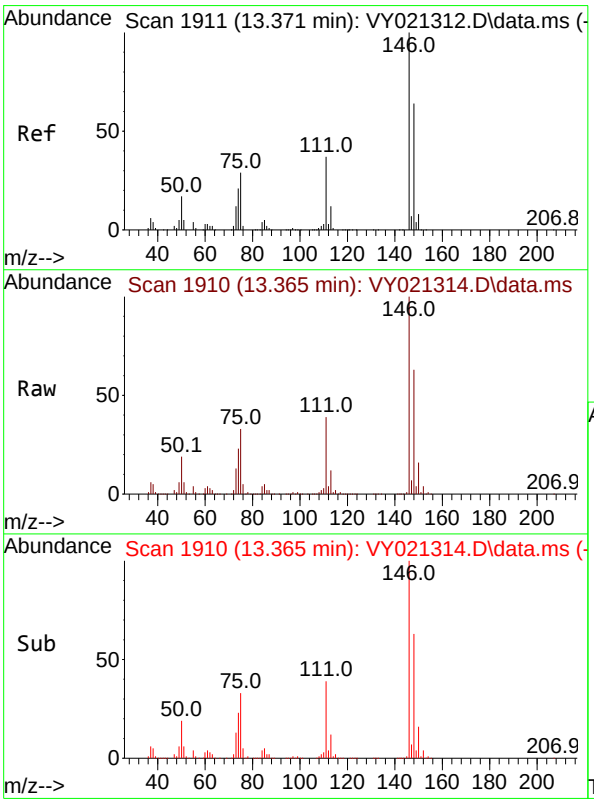
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 20.0 | 59.9 |
| 148 | 63.9 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

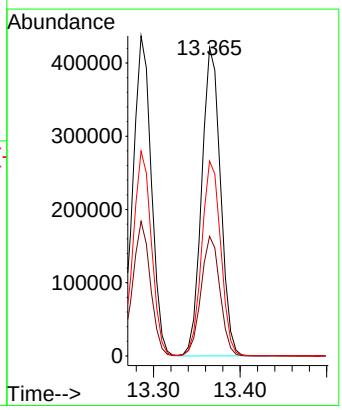
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

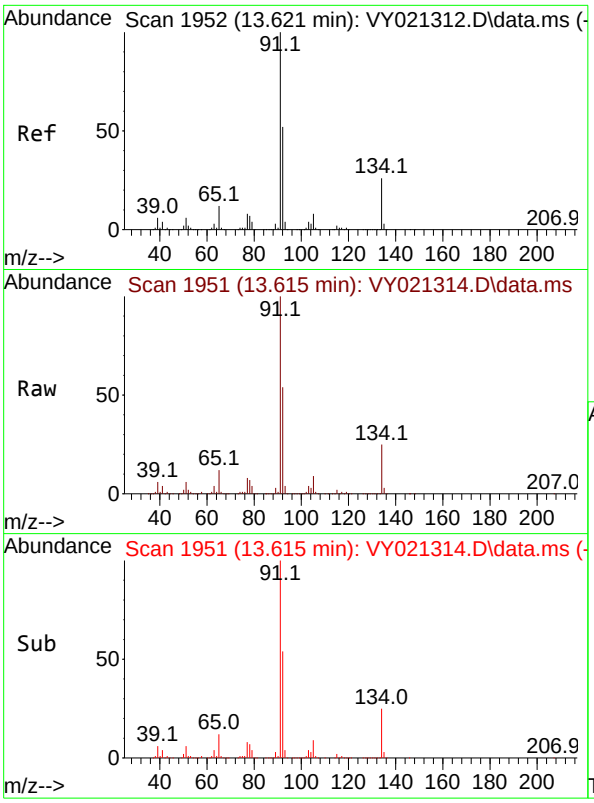



#88
1,4-Dichlorobenzene
Concen: 153.109 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 635981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.9 | 19.5 | 58.5 |
| 148 | 63.7 | 32.0 | 96.2 |

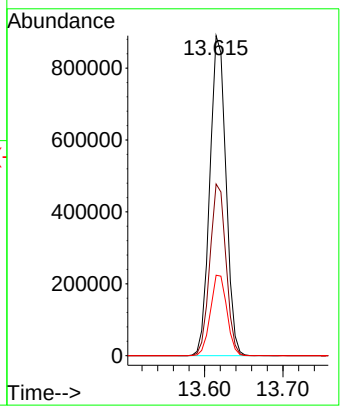





#89
n-Butylbenzene
Concen: 163.350 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 126939

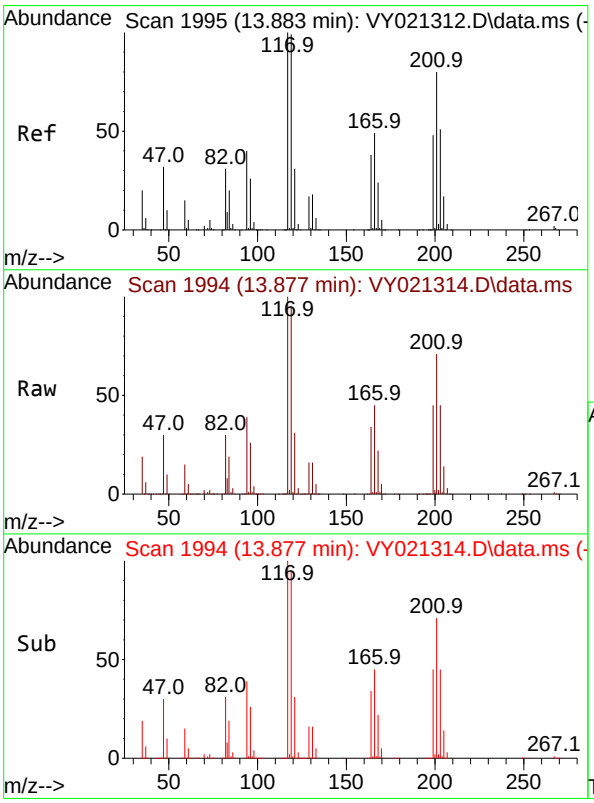
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.4 | 79.2 |
| 134 | 25.7 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

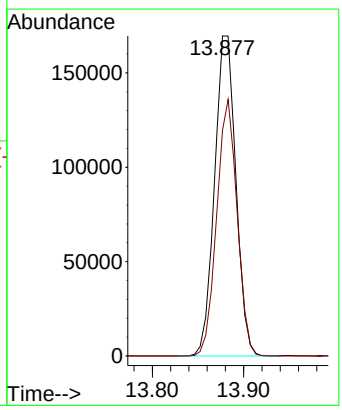
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

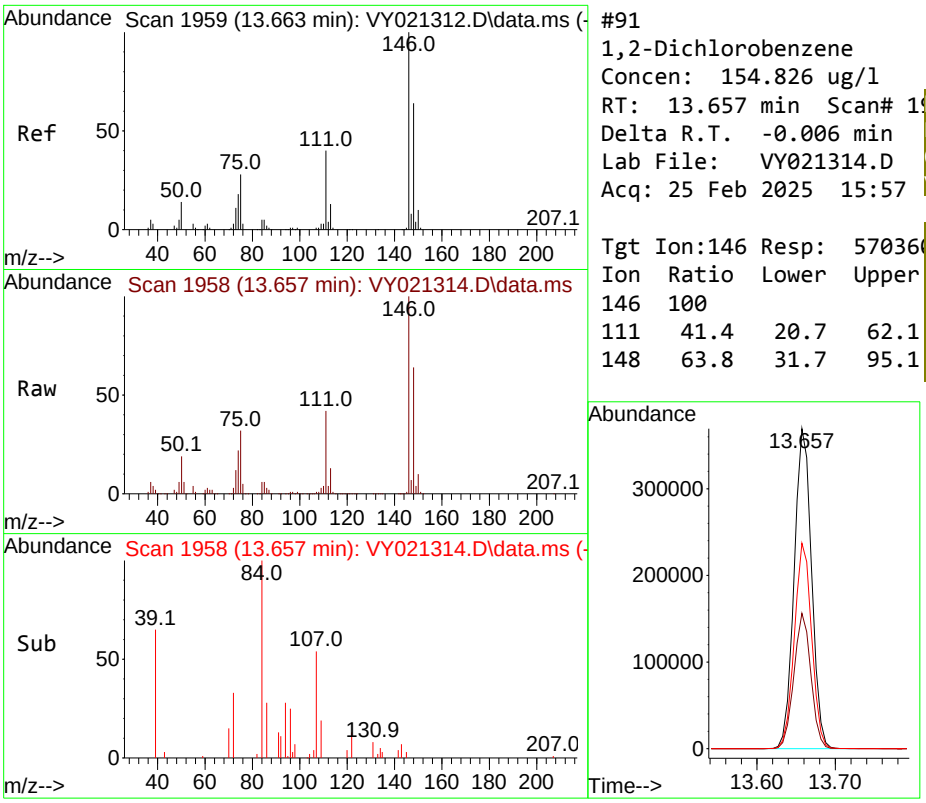



#90
Hexachloroethane
Concen: 159.641 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 275368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.8 | 38.4 | 115.2 |






#91
1,2-Dichlorobenzene
Concen: 154.826 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 57036

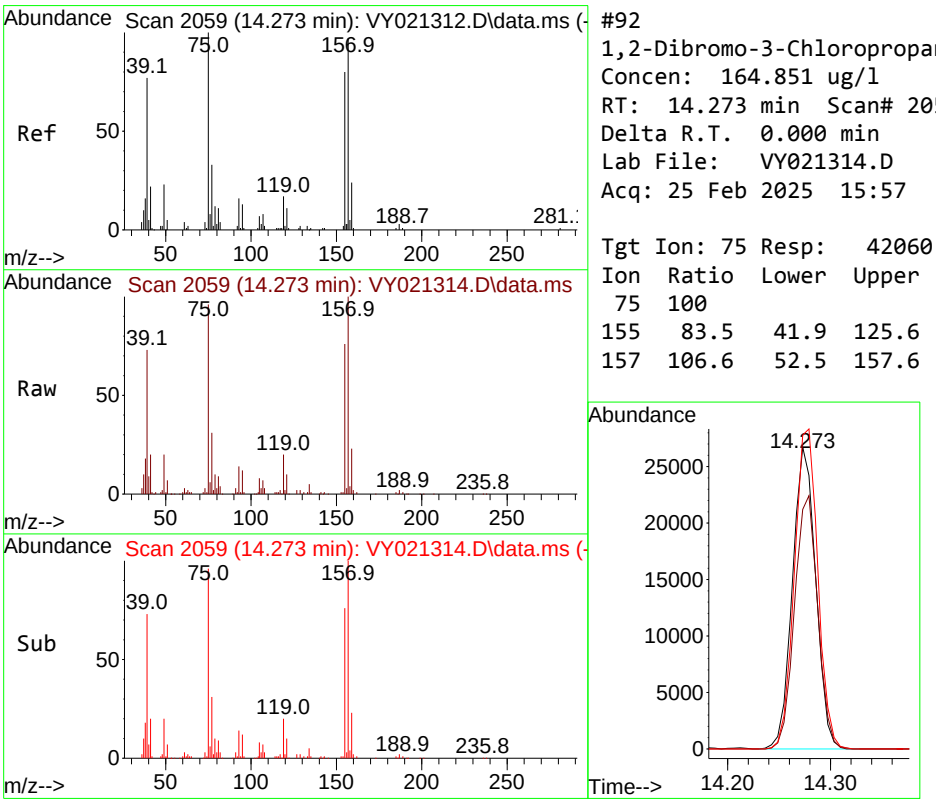
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 20.7 | 62.1 |
| 148 | 63.8 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

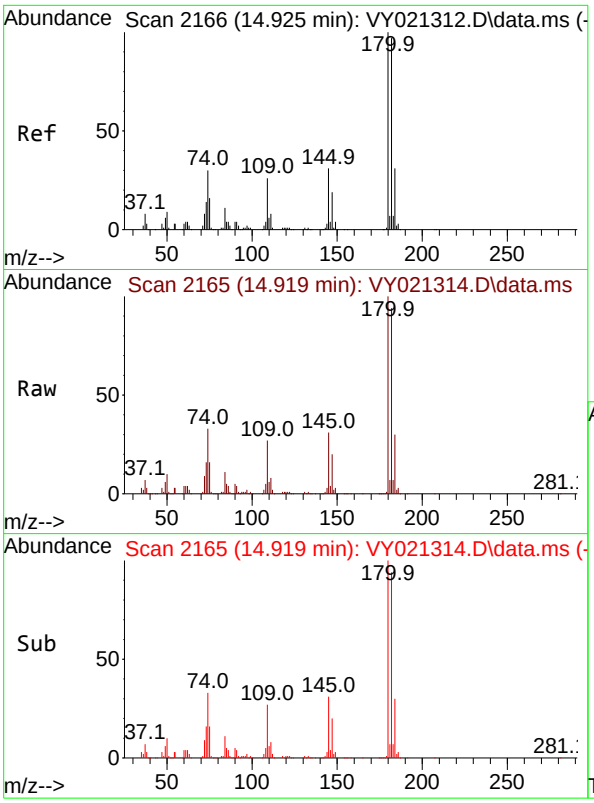
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025




#92
1,2-Dibromo-3-Chloropropane
Concen: 164.851 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 42060

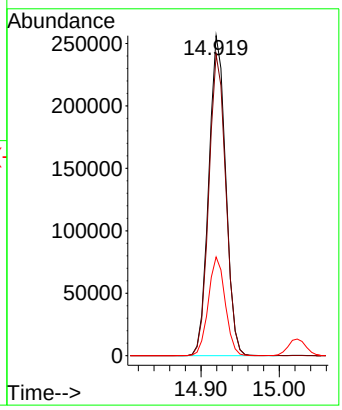
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.5 | 41.9 | 125.6 |
| 157 | 106.6 | 52.5 | 157.6 |




#93
1,2,4-Trichlorobenzene
Concen: 170.860 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 38416

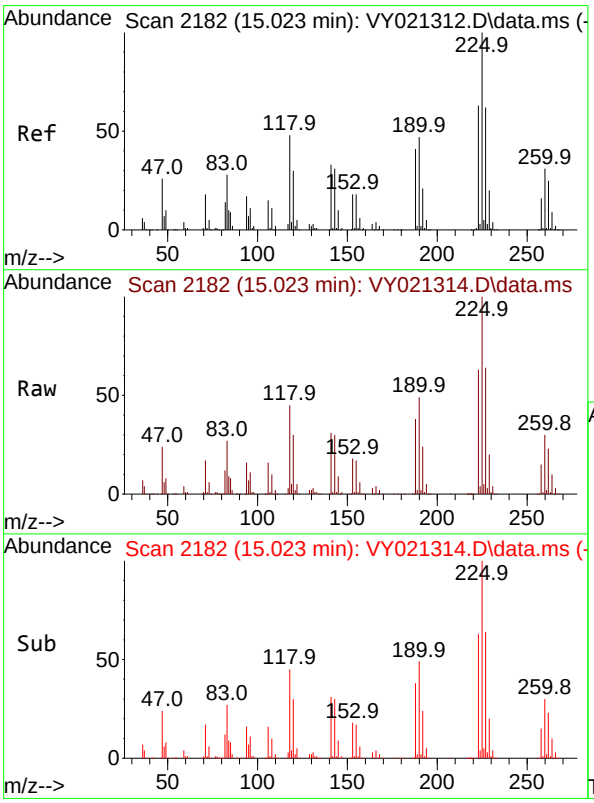
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 47.9 | 143.7 |
| 145 | 30.7 | 15.6 | 46.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

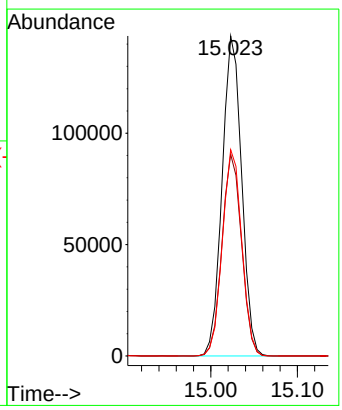
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

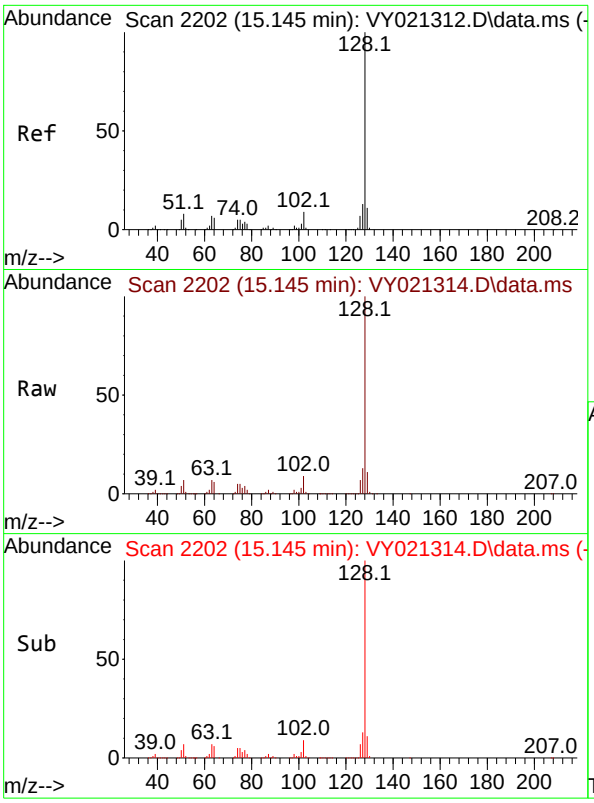



#94
Hexachlorobutadiene
Concen: 158.670 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:225 Resp: 224602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 31.8 | 95.4 |
| 227 | 64.2 | 31.9 | 95.7 |

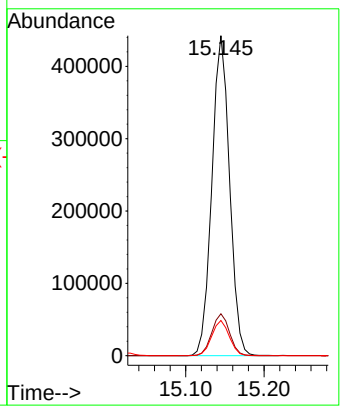





#95
Naphthalene
Concen: 186.517 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:128 Resp: 69462

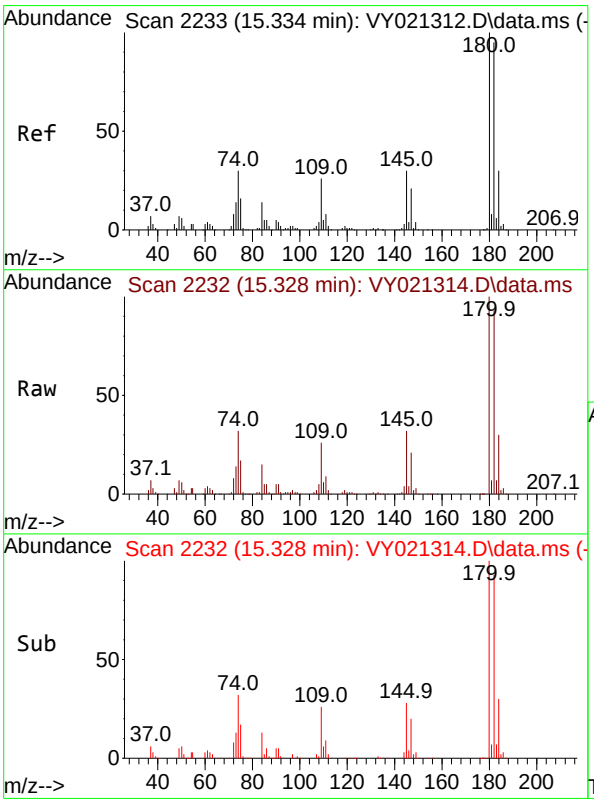
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.5 | 15.7 |
| 129 | 10.9 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

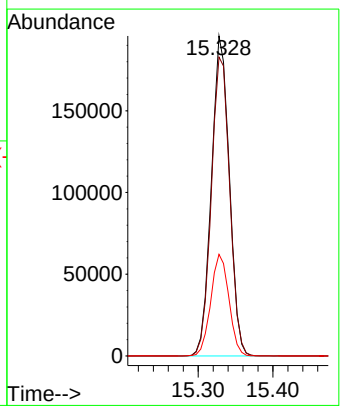
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 172.067 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 326876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 48.3 | 144.9 |
| 145 | 32.1 | 16.1 | 48.3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 190677 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 300486 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 267150 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 130541 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 208535 | 96.407 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 192.820%# | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 193803 | 98.377 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 196.760%# | | | |
| 50) Toluene-d8 | 10.103 | 98 | 752895 | 98.889 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 197.780%# | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 252327 | 98.477 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 196.960%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 170537 | 94.332 | ug/l | 97 |
| 3) Chloromethane | 2.068 | 50 | 217555 | 93.180 | ug/l | 99 |
| 4) Vinyl Chloride | 2.202 | 62 | 221196 | 96.523 | ug/l | 97 |
| 5) Bromomethane | 2.592 | 94 | 136840 | 89.858 | ug/l | 100 |
| 6) Chloroethane | 2.732 | 64 | 135372 | 95.259 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 331928 | 95.909 | ug/l | 95 |
| 8) Diethyl Ether | 3.452 | 74 | 100381 | 96.637 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 3.811 | 101 | 193544 | 96.593 | ug/l | 99 |
| 10) Methyl Iodide | 4.000 | 142 | 228728 | 108.503 | ug/l | 100 |
| 11) Tert butyl alcohol | 4.854 | 59 | 65742 | 395.134 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 186684 | 97.304 | ug/l | 99 |
| 13) Acrolein | 3.653 | 56 | 11267 | 88.370 | ug/l | 99 |
| 14) Allyl chloride | 4.378 | 41 | 339203 | 99.720 | ug/l | 99 |
| 15) Acrylonitrile | 5.055 | 53 | 219275 | 477.449 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 196435 | 473.421 | ug/l | 99 |
| 17) Carbon Disulfide | 4.104 | 76 | 617661 | 96.953 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 95405 | 94.085 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.110 | 73 | 498467 | 98.337 | ug/l | 99 |
| 20) Methylene Chloride | 4.616 | 84 | 201698 | 89.894 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 208498 | 98.718 | ug/l | 96 |
| 22) Diisopropyl ether | 6.018 | 45 | 697290 | 99.061 | ug/l | 97 |
| 23) Vinyl Acetate | 5.957 | 43 | 2103219 | 500.017 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.909 | 63 | 384030 | 96.798 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 303077 | 483.977 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 350870 | 97.467 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 238916 | 99.061 | ug/l | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 167271 | 95.287 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.256 | 42 | 199056 | 486.299 | ug/l | 98 |
| 30) Chloroform | 7.421 | 83 | 387767 | 96.458 | ug/l | 99 |
| 31) Cyclohexane | 7.701 | 56 | 351876 | 92.269 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 353701 | 96.663 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 287472 | 97.146 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 137233 | 93.230 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 321576 | 96.663 | ug/l | 99 |
| 39) Methylcyclohexane | 9.109 | 83 | 371172 | 99.169 | ug/l | 99 |
| 40) Benzene | 8.079 | 78 | 847066 | 96.835 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.213 | 41 | 77542 | 94.219 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 8.152 | 62 | 236704 | 95.375 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.195 | 43 | 280321 | 98.388 | ug/l | | 99 |
| 44) Trichloroethene | 8.865 | 130 | 212562 | 97.057 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 201701 | 95.814 | ug/l | | 98 |
| 46) Dibromomethane | 9.231 | 93 | 110814 | 96.301 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 297320 | 96.904 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.219 | 41 | 135412 | 101.635 | ug/l | | 99 |
| 49) 1,4-Dioxane | 9.225 | 88 | 24355 | 1903.504 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 716009 | 490.938 | ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 539016 | 99.189 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 284731 | 101.290 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 328107 | 98.870 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 142372 | 94.975 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.438 | 69 | 216586 | 104.564 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 255903 | 97.283 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 530695 | 533.791 | ug/l | | 100 |
| 59) 2-Hexanone | 10.761 | 43 | 485734 | 507.115 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.908 | 129 | 199225 | 97.582 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 136284 | 96.029 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 189679 | 93.936 | ug/l | | 99 |
| 65) Chlorobenzene | 11.438 | 112 | 576109 | 96.070 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 203696 | 97.007 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.517 | 91 | 1057129 | 99.522 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 783034 | 195.986 | ug/l | | 100 |
| 69) o-Xylene | 11.956 | 106 | 370964 | 99.112 | ug/l | | 100 |
| 70) Styrene | 11.969 | 104 | 619437 | 99.469 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 114495 | 95.313 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 987758 | 100.648 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 258576 | 103.658 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 162941 | 94.075 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 123844m | 94.206 | ug/l | | |
| 77) Bromobenzene | 12.529 | 156 | 223081 | 97.728 | ug/l | | 98 |
| 78) n-propylbenzene | 12.596 | 91 | 1186751 | 99.651 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 666071 | 97.455 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 794247 | 98.676 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 58806 | 100.031 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 687385 | 97.022 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 720480 | 99.092 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 795840 | 99.415 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 1041022 | 98.021 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 881757 | 99.431 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 435489 | 96.445 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 425301 | 95.343 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 840236 | 100.683 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 181015 | 97.720 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 377453 | 95.410 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 26541 | 96.867 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 248146 | 102.770 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 147103 | 96.770 | ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 436817 | 109.220 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 211313 | 103.581 | ug/l | | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

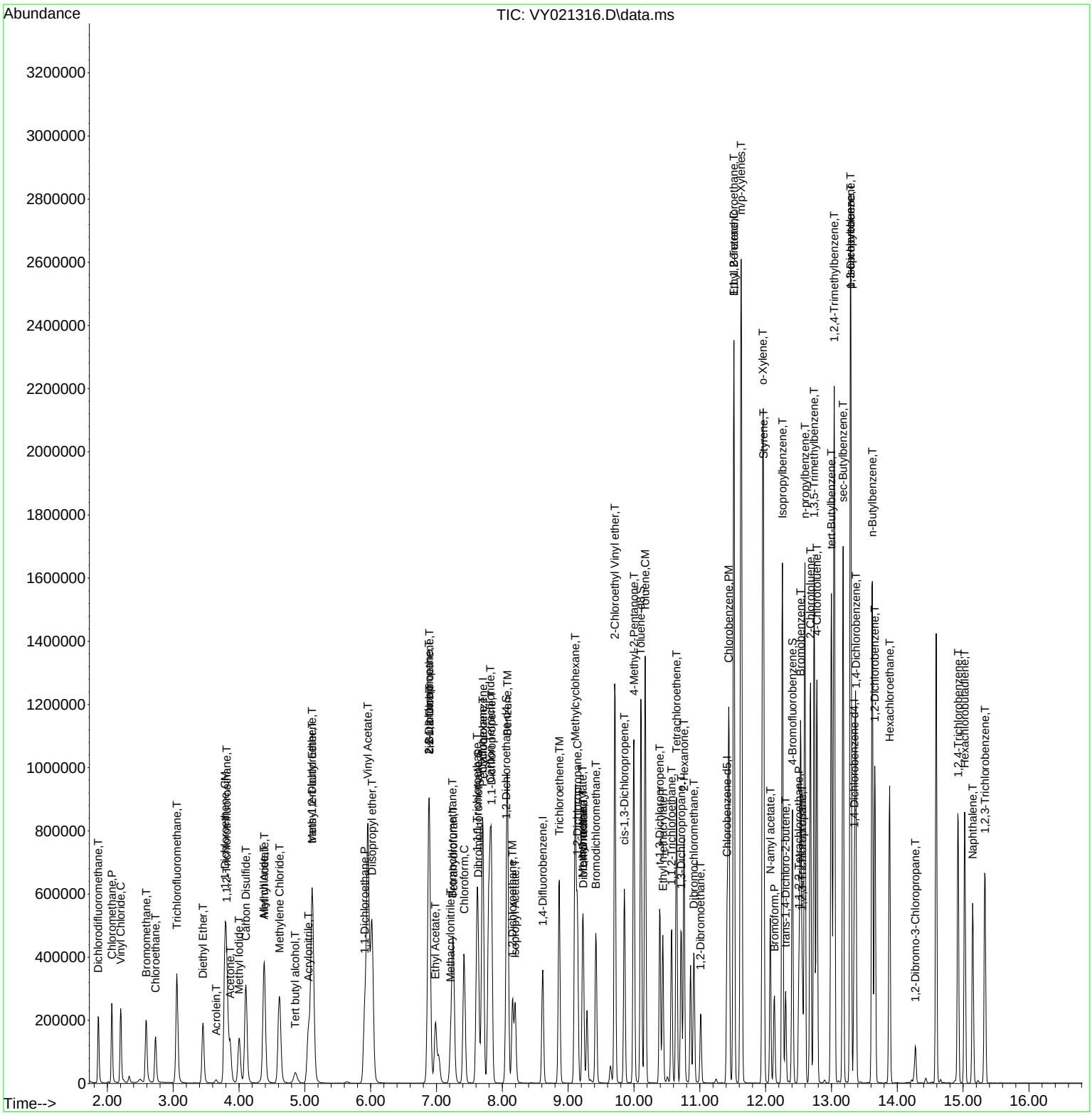
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

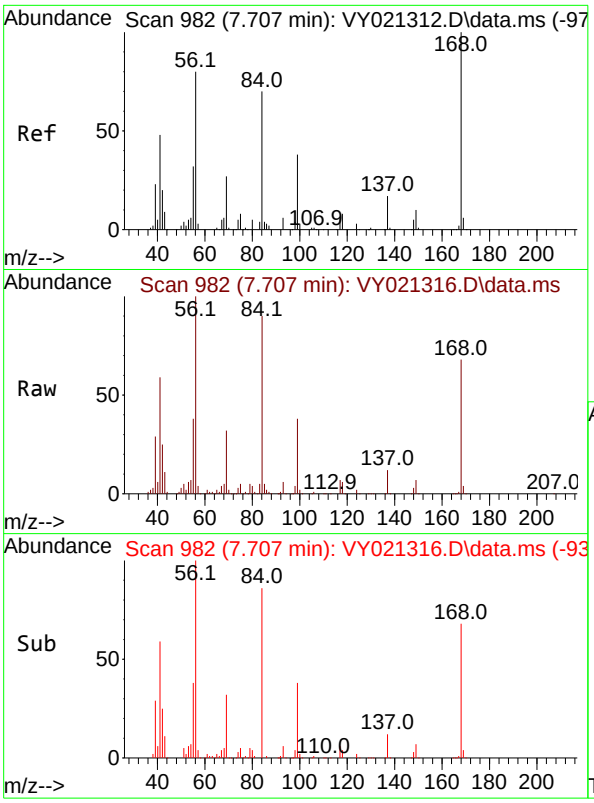
Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

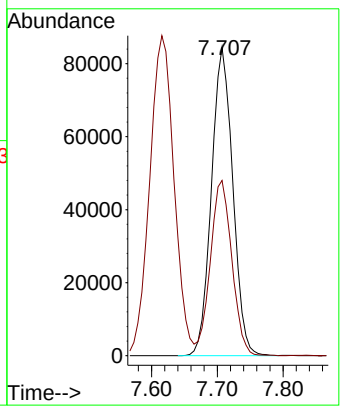





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:168 Resp: 19067

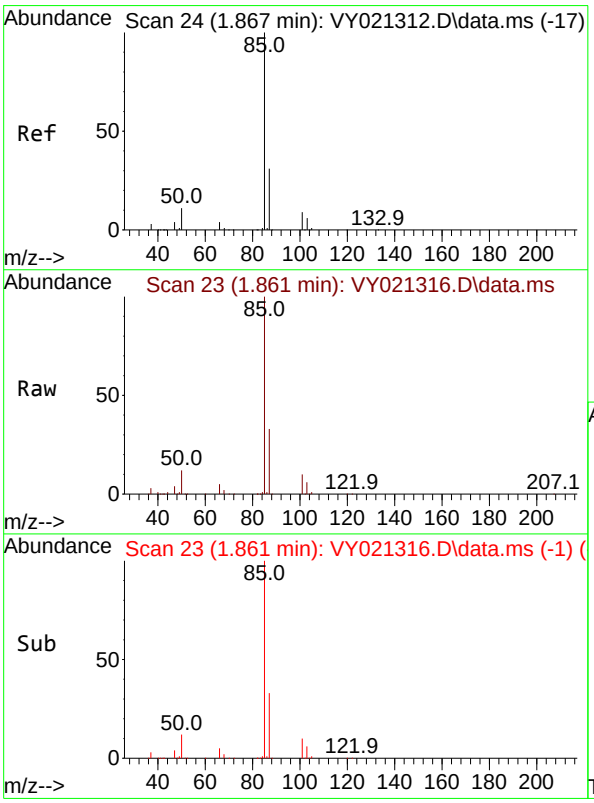
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.8 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

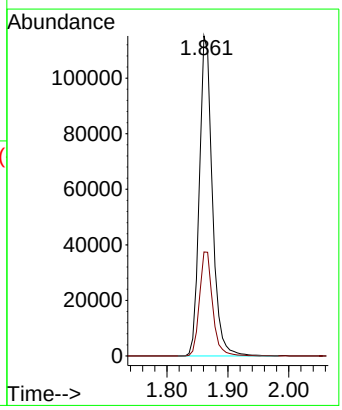
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

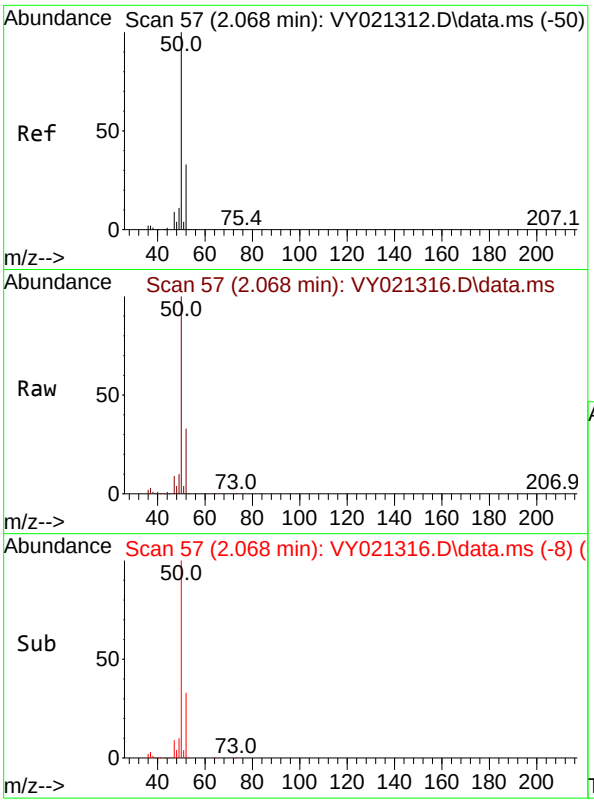



#2
Dichlorodifluoromethane
Concen: 94.332 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 85 Resp: 170537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 15.4 | 46.4 |

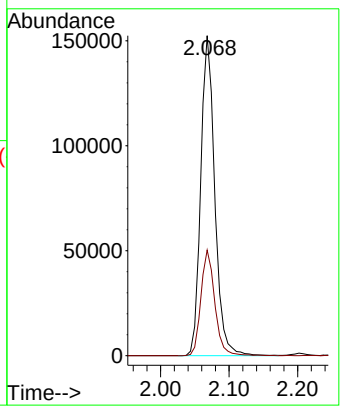





#3
Chloromethane
Concen: 93.180 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 50 Resp: 21755

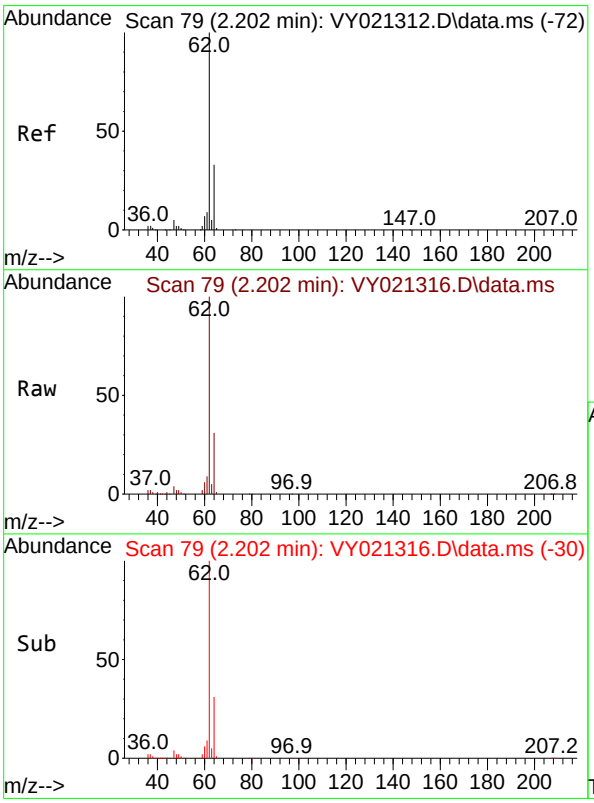
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.0 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

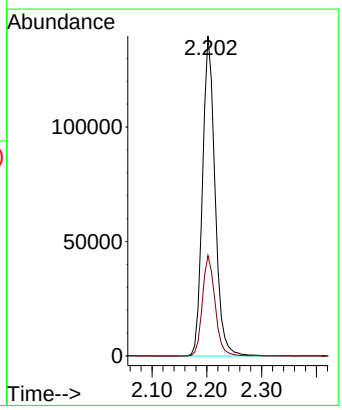
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

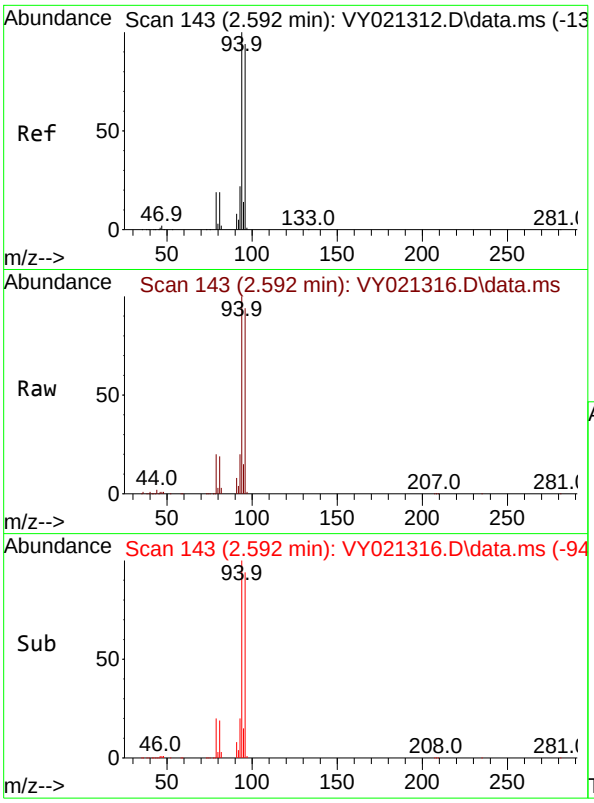



#4
Vinyl Chloride
Concen: 96.523 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 221196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.4 | 26.3 | 39.5 |

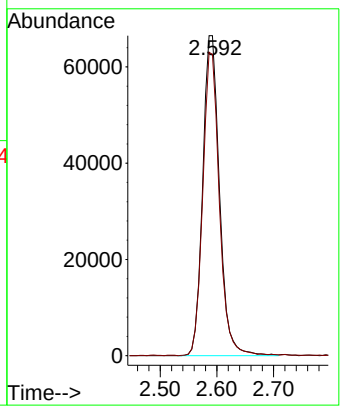





#5
Bromomethane
Concen: 89.858 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 94 Resp: 13684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.2 | 75.2 | 112.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :Romaben Patel 02/26/2025
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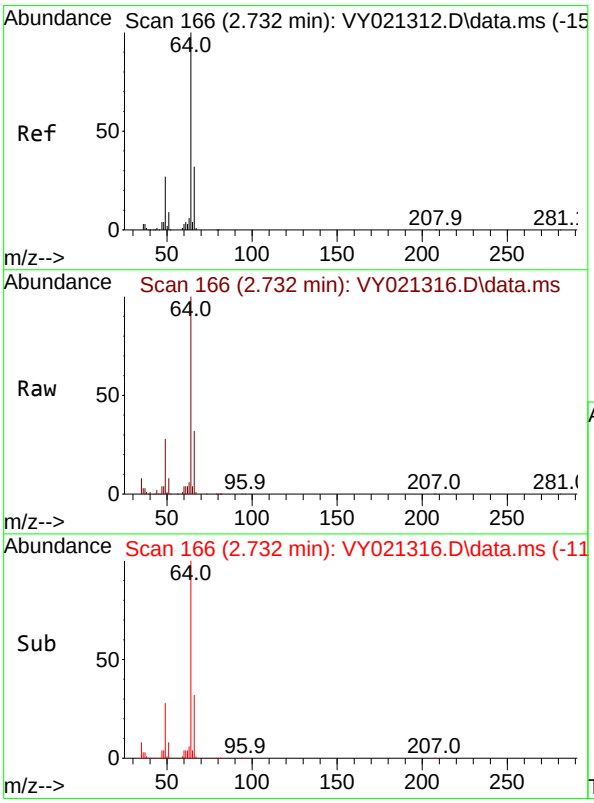
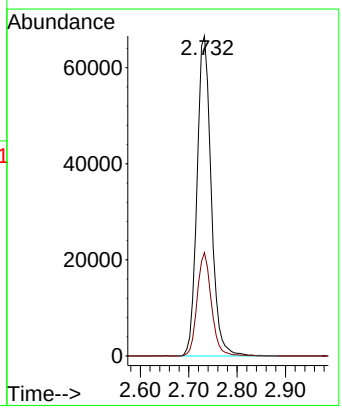
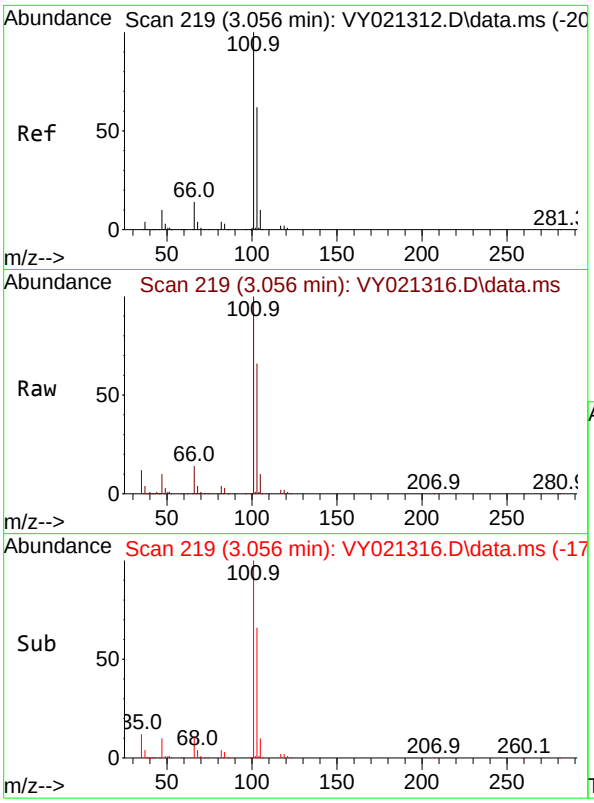



#6
Chloroethane
Concen: 95.259 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 64 Resp: 135372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.3 | 25.4 | 38.0 |

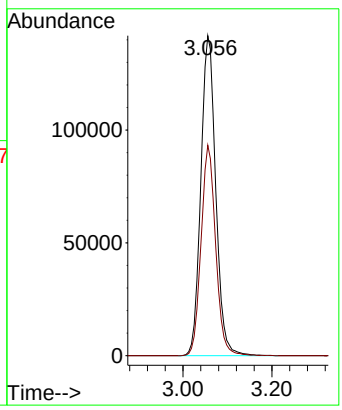





#7
Trichlorofluoromethane
Concen: 95.909 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:101 Resp: 33192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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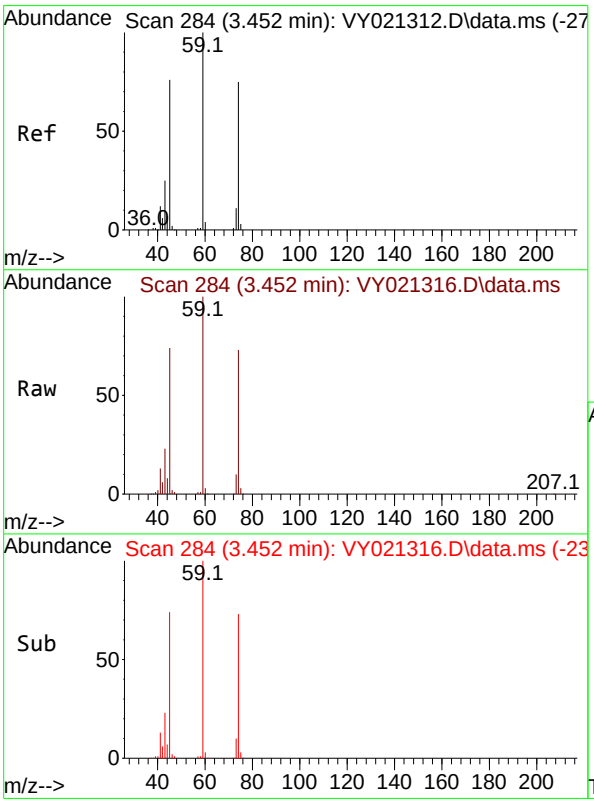
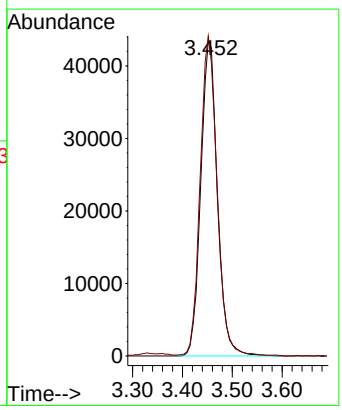
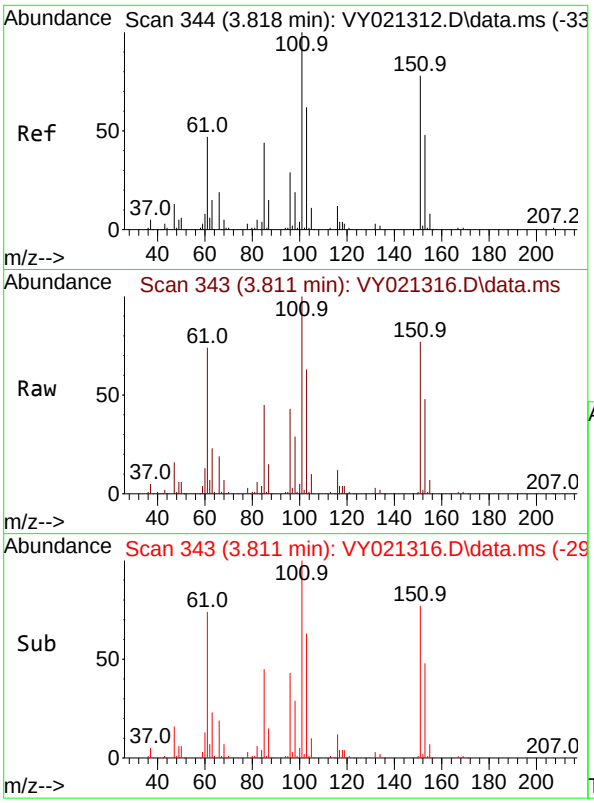



#8
Diethyl Ether
Concen: 96.637 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 74 Resp: 100381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.0 | 50.3 | 150.9 |

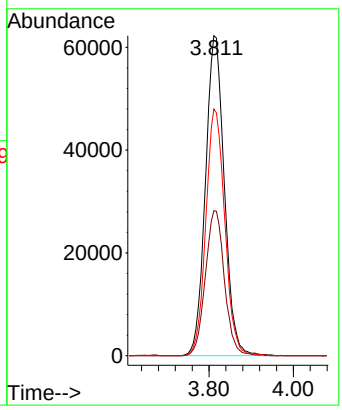





#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.593 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:101 Resp: 19354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.8 | 36.7 | 55.1 |
| 151 | 77.3 | 62.6 | 94.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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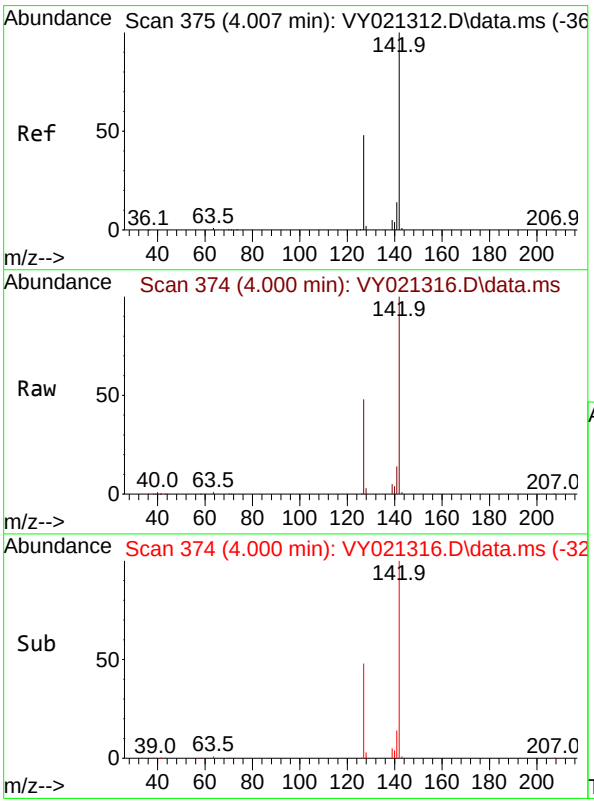
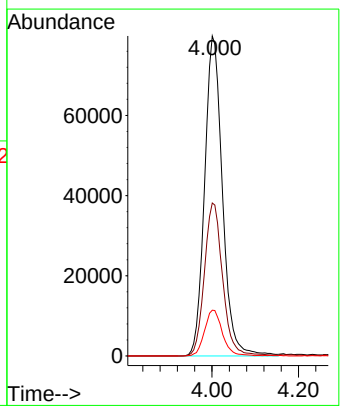
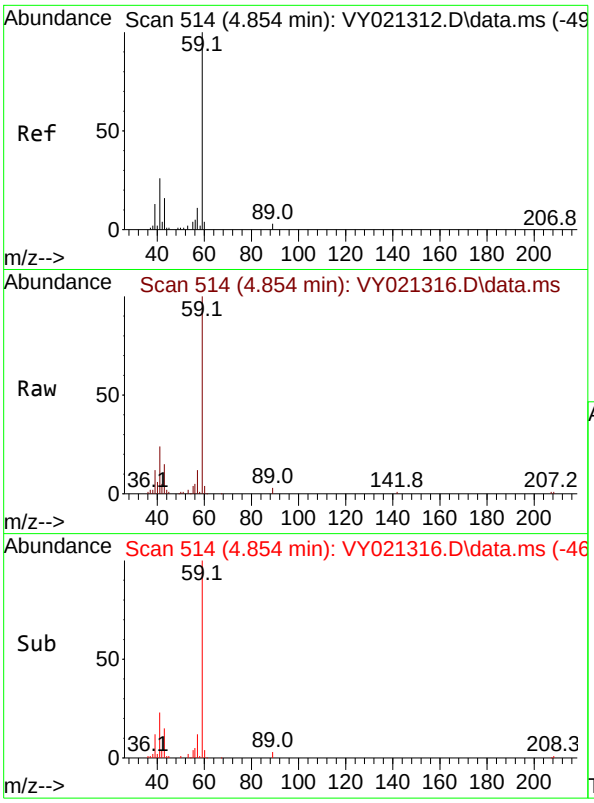



#10
Methyl Iodide
Concen: 108.503 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:142 Resp: 228728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.8 | 39.2 | 58.8 |
| 141 | 14.3 | 11.4 | 17.2 |

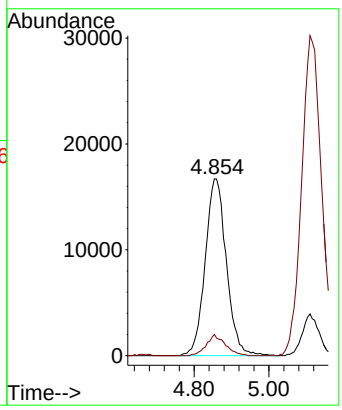





#11
Tert butyl alcohol
Concen: 395.134 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 59 Resp: 6574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.3 | 12.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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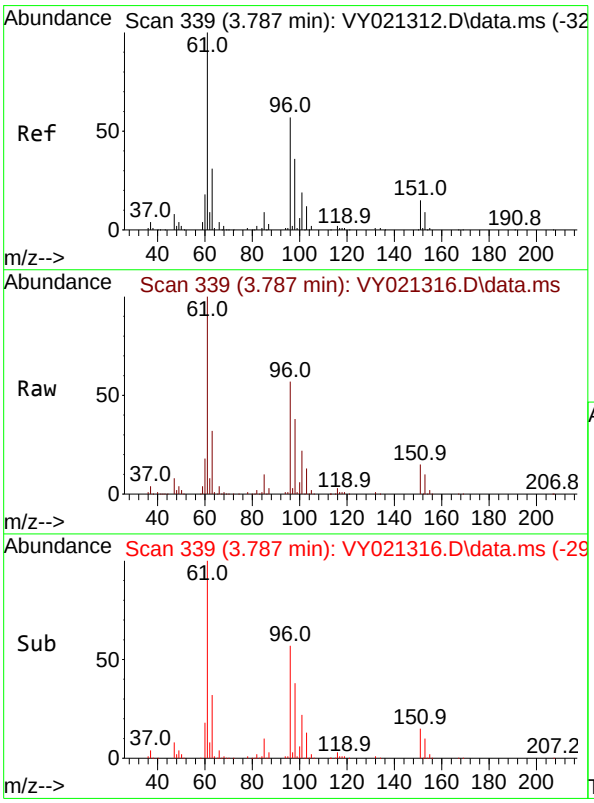
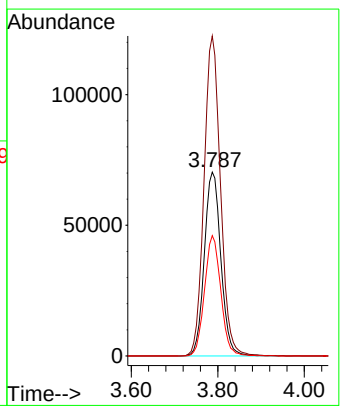
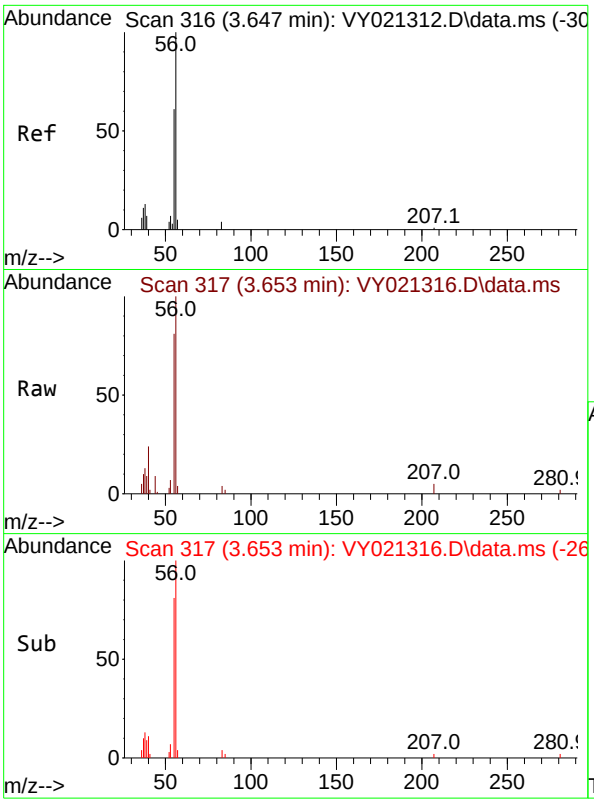



#12
1,1-Dichloroethene
Concen: 97.304 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 186684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.1 | 139.7 | 209.5 |
| 98 | 65.5 | 49.7 | 74.5 |

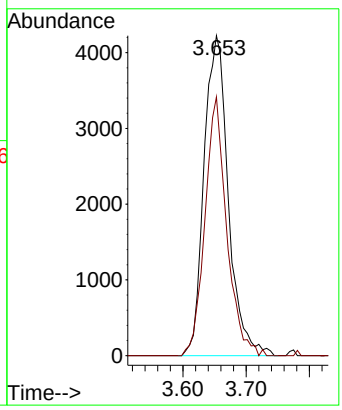





#13
Acrolein
Concen: 88.370 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 56 Resp: 1126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.5 | 59.0 | 88.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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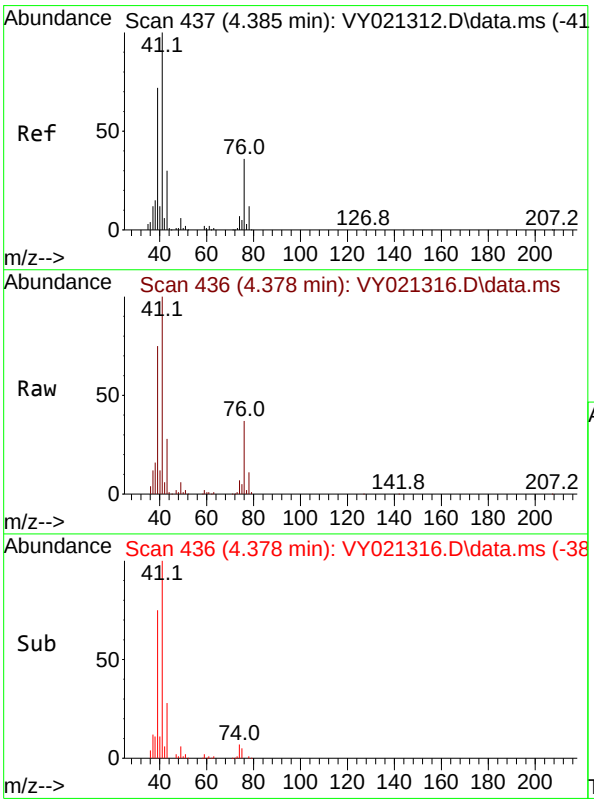
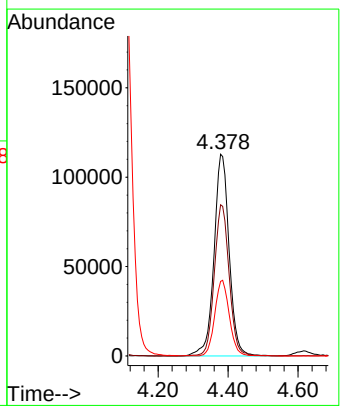
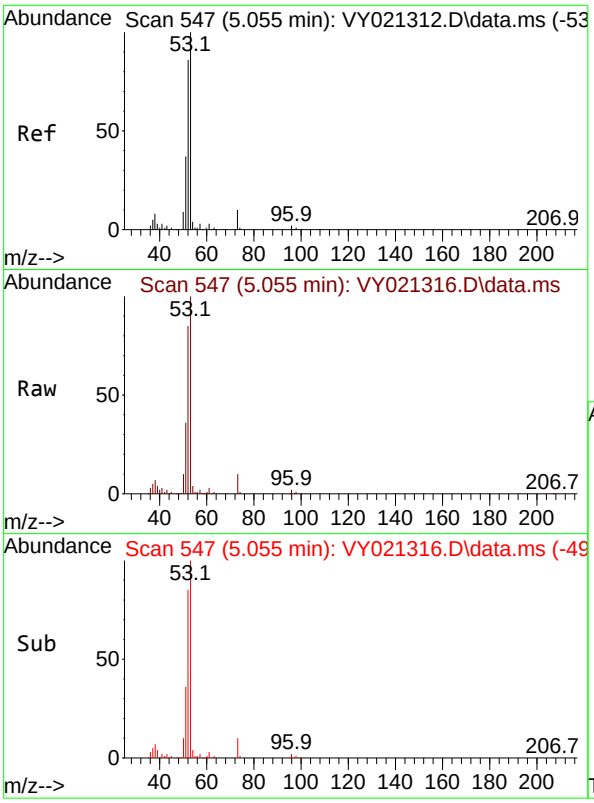



#14
Allyl chloride
Concen: 99.720 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 339203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.6 | 60.0 | 90.0 |
| 76 | 36.1 | 29.0 | 43.6 |






#15
Acrylonitrile
Concen: 477.449 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 53 Resp: 21927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.5 | 65.5 | 98.3 |
| 51 | 37.9 | 30.6 | 46.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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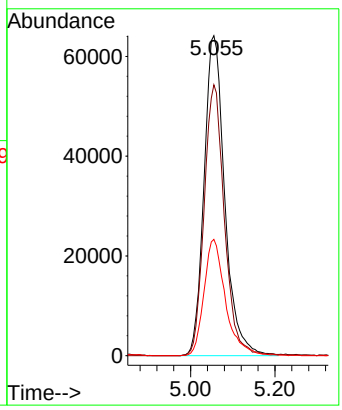
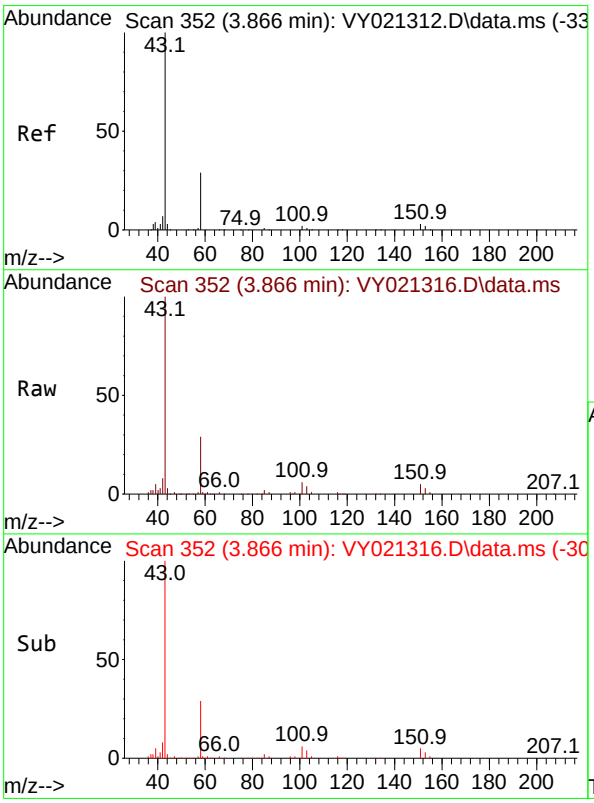
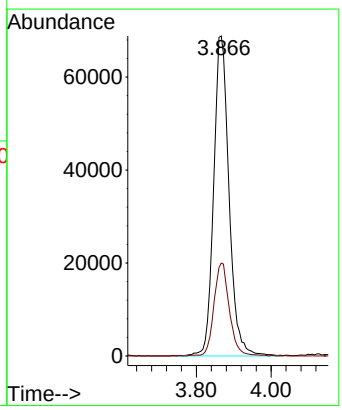


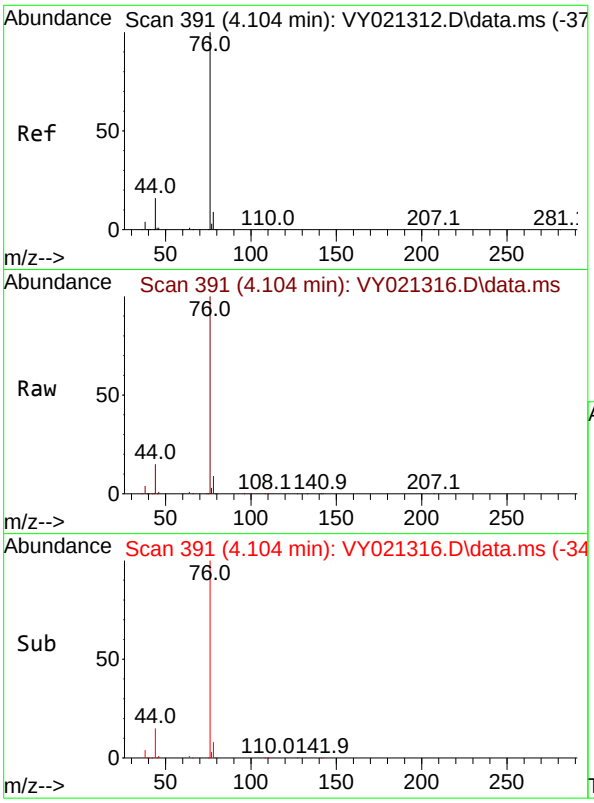




#16
Acetone
Concen: 473.421 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 196435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 23.5 | 35.3 |

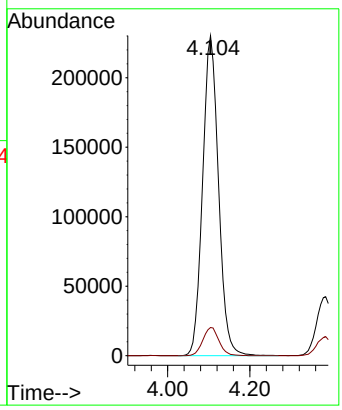





#17
Carbon Disulfide
Concen: 96.953 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 76 Resp: 61766

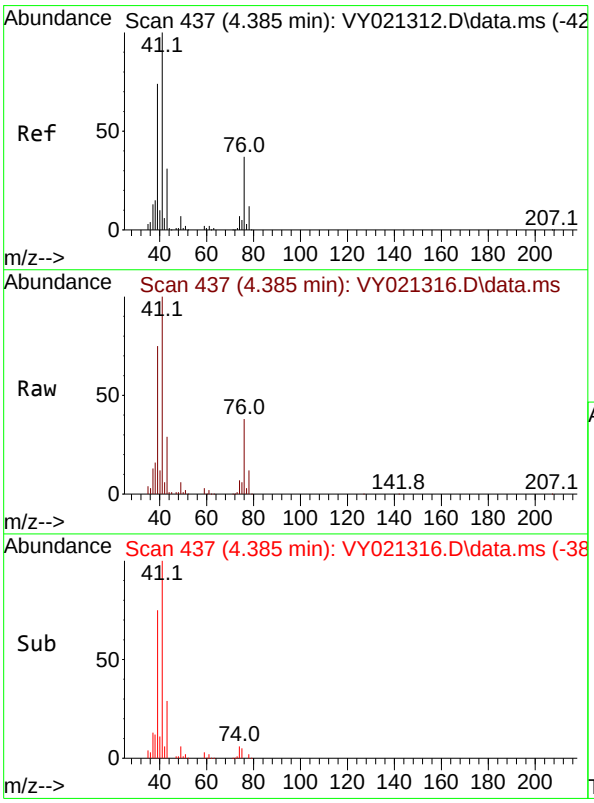
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

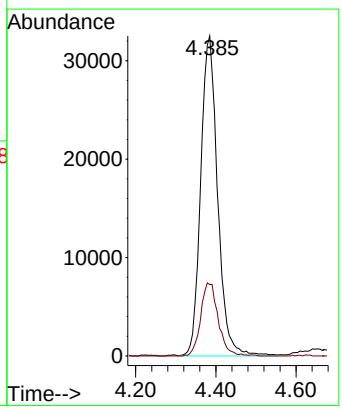
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

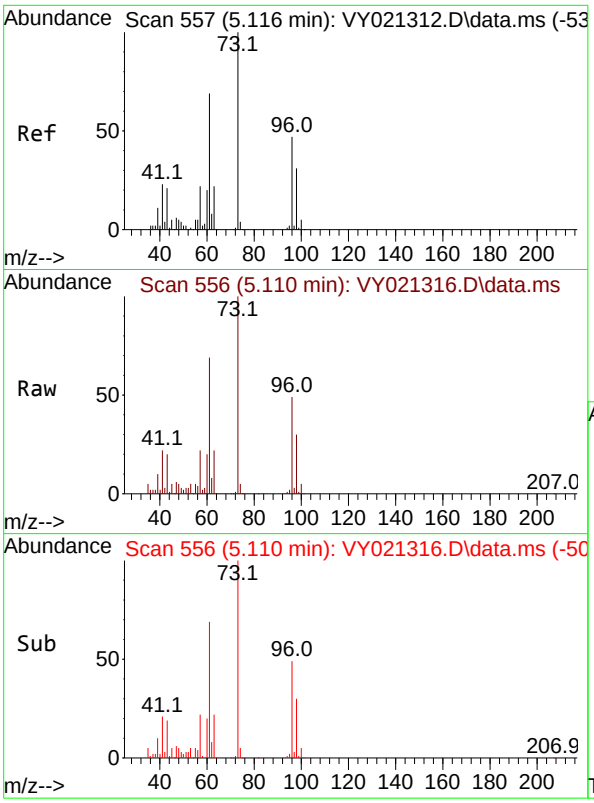



#18
Methyl Acetate
Concen: 94.085 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 95405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 17.7 | 26.5 |

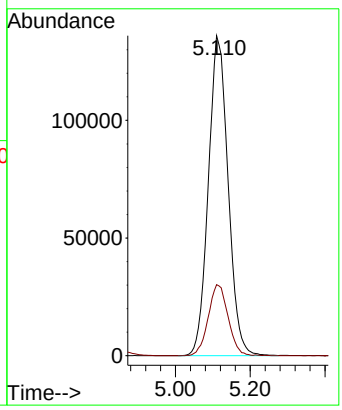





#19
Methyl tert-butyl Ether
Concen: 98.337 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 73 Resp: 49846

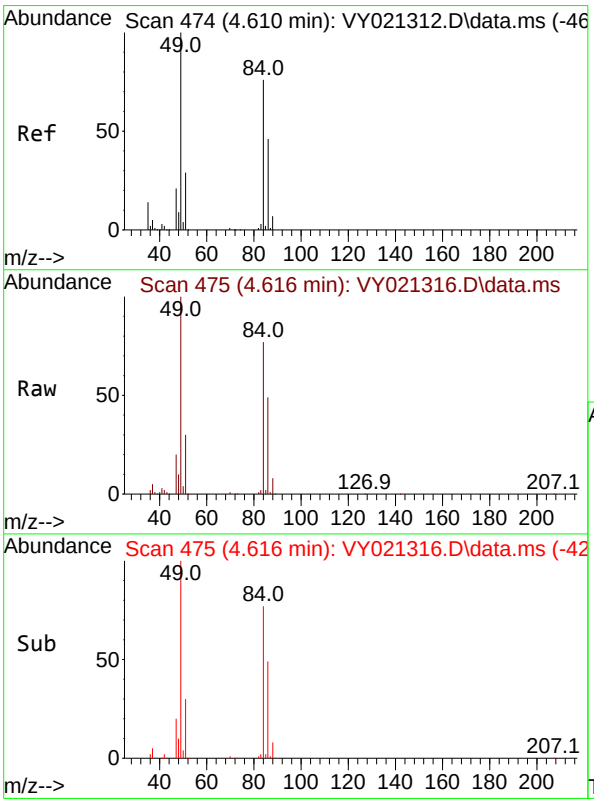
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.4 | 26.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

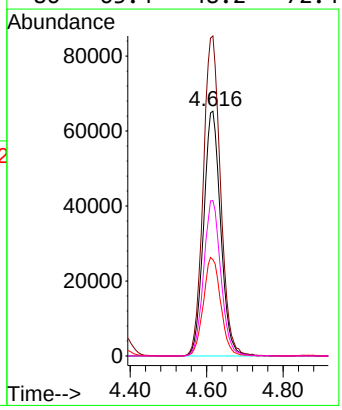
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

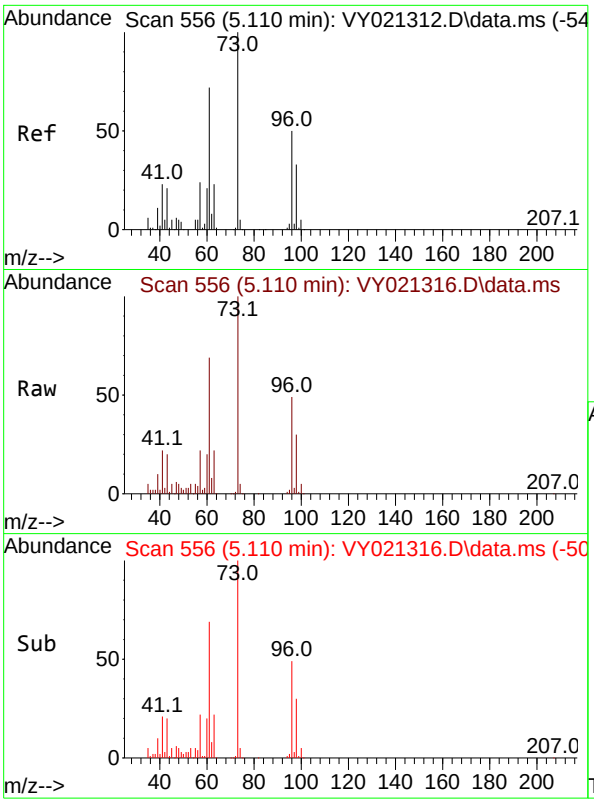



#20
Methylene Chloride
Concen: 89.894 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 84 Resp: 201698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.7 | 105.1 | 157.7 |
| 51 | 39.3 | 31.0 | 46.4 |
| 86 | 63.4 | 48.2 | 72.4 |

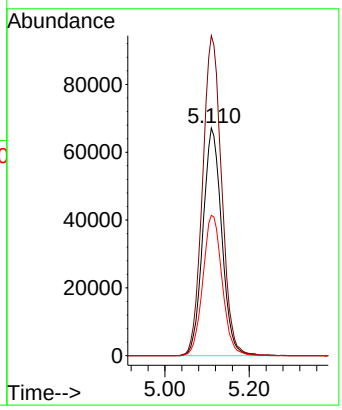





#21
trans-1,2-Dichloroethene
Concen: 98.718 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 20849

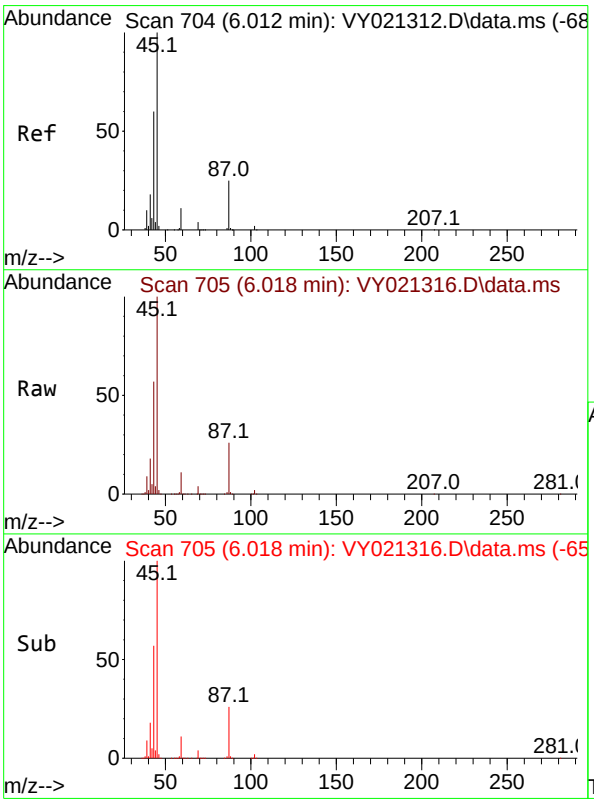
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.5 | 116.3 | 174.5 |
| 98 | 61.7 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

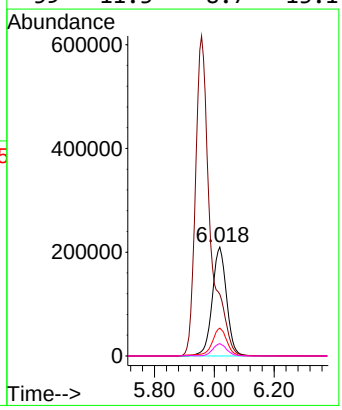
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

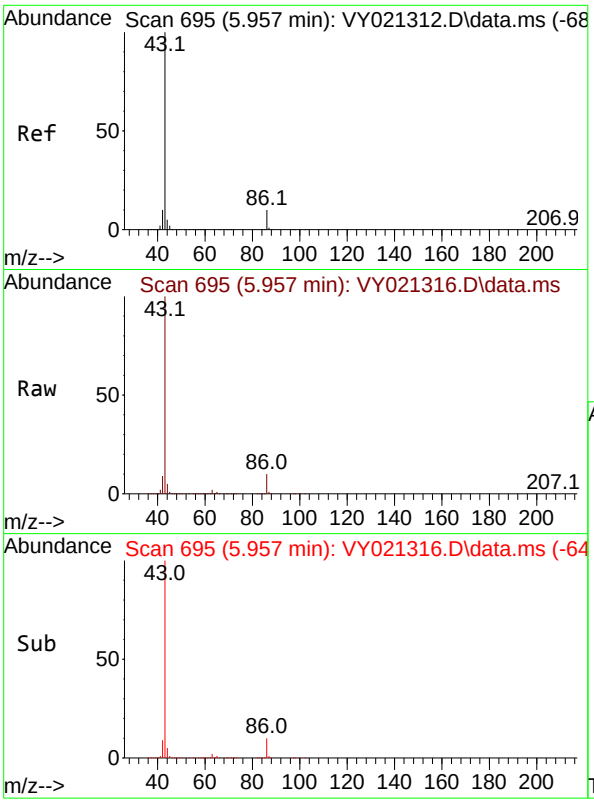



#22
Diisopropyl ether
Concen: 99.061 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 45 Resp: 697290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.7 | 48.2 | 72.4 |
| 87 | 25.6 | 20.3 | 30.5 |
| 59 | 11.3 | 8.7 | 13.1 |






#23
Vinyl Acetate
Concen: 500.017 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 210321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.6 | 8.0 | 12.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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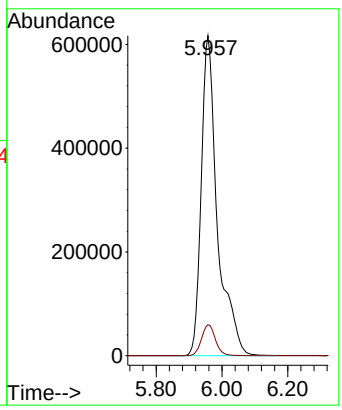
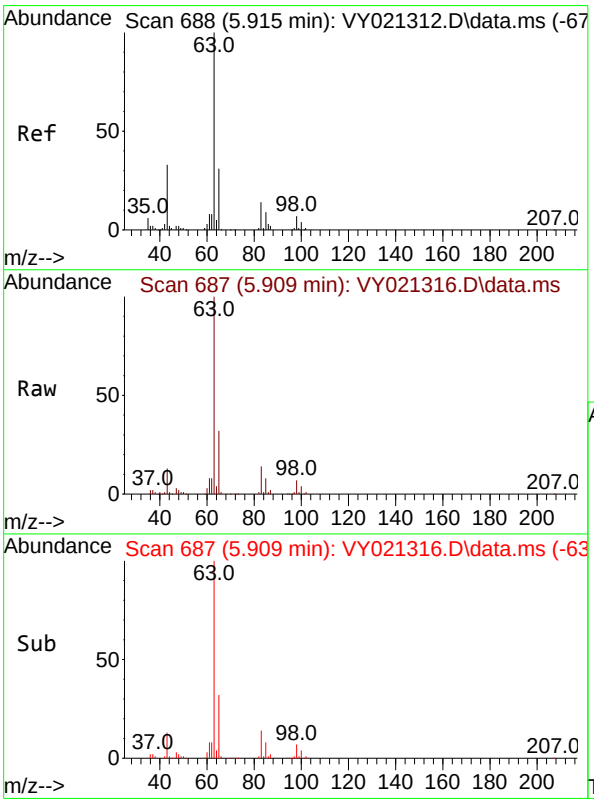
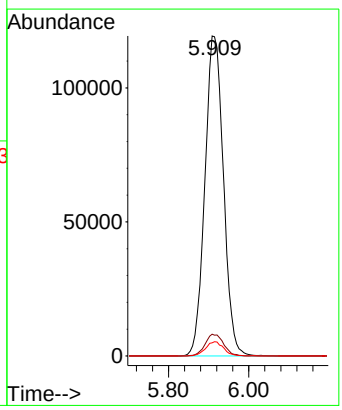


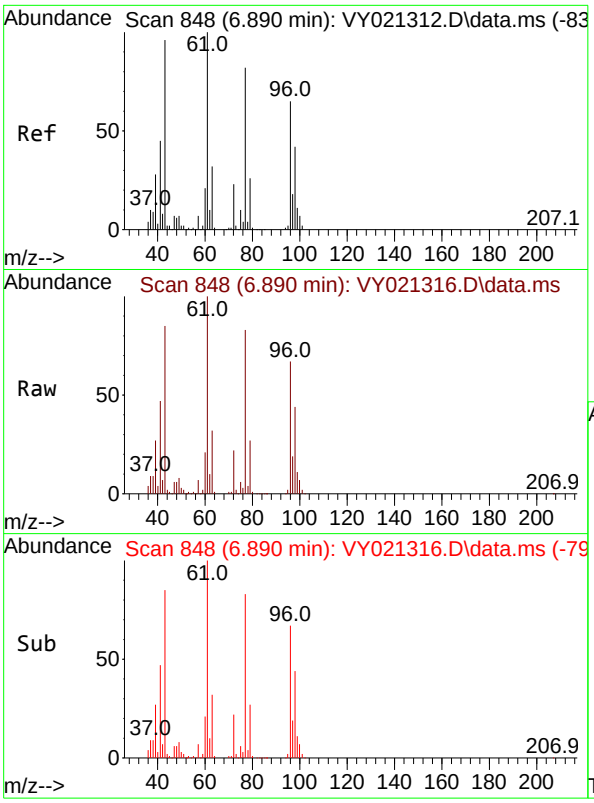




#24
1,1-Dichloroethane
Concen: 96.798 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 384030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.7 | 11.1 |
| 100 | 4.1 | 2.1 | 6.5 |

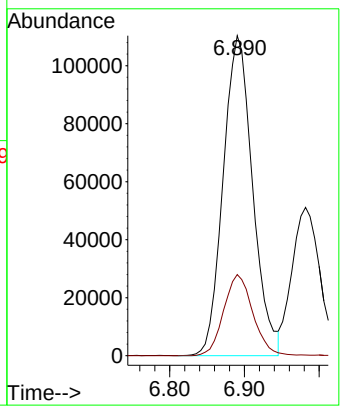





#25
2-Butanone
Concen: 483.977 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 30307

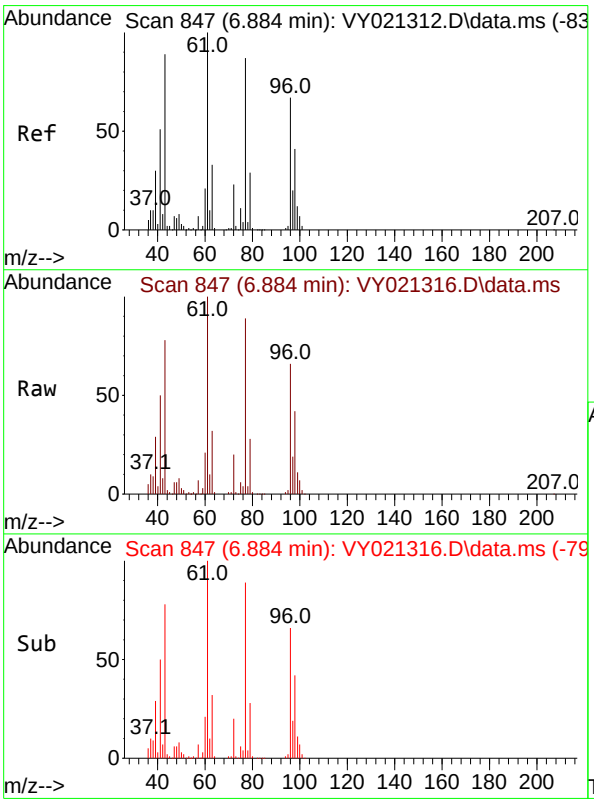
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 19.0 | 28.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

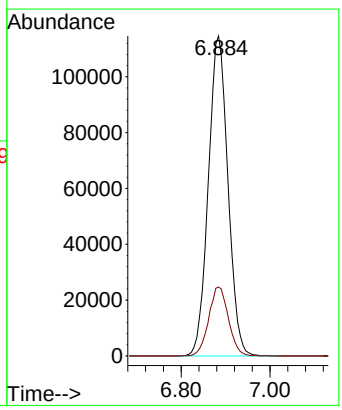
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

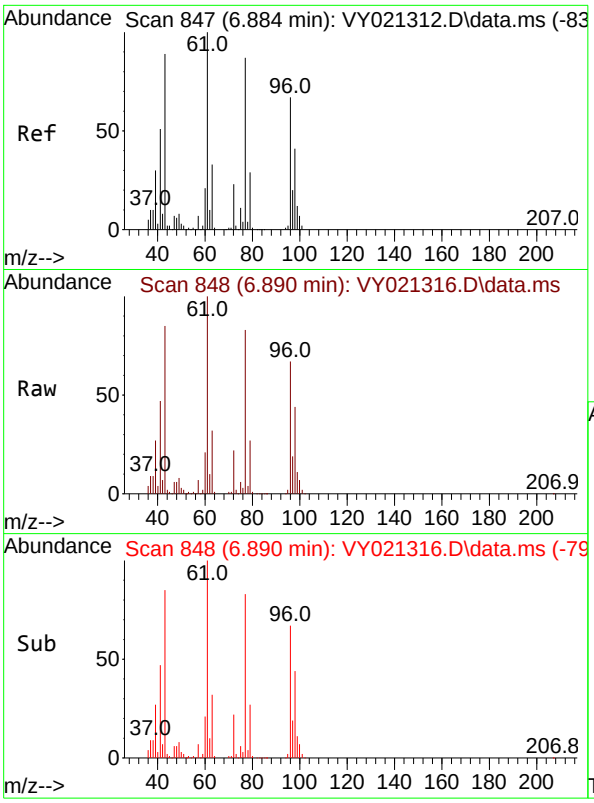



#26
2,2-Dichloropropane
Concen: 97.467 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 77 Resp: 350870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 10.9 | 32.7 |

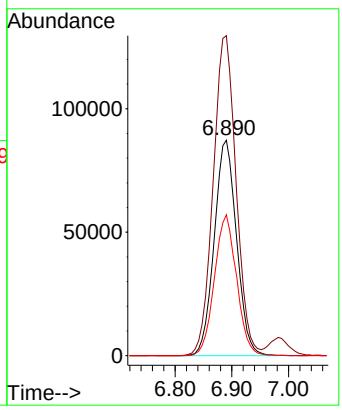





#27
cis-1,2-Dichloroethene
Concen: 99.061 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 23891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.3 | 0.0 | 308.0 |
| 98 | 64.8 | 0.0 | 129.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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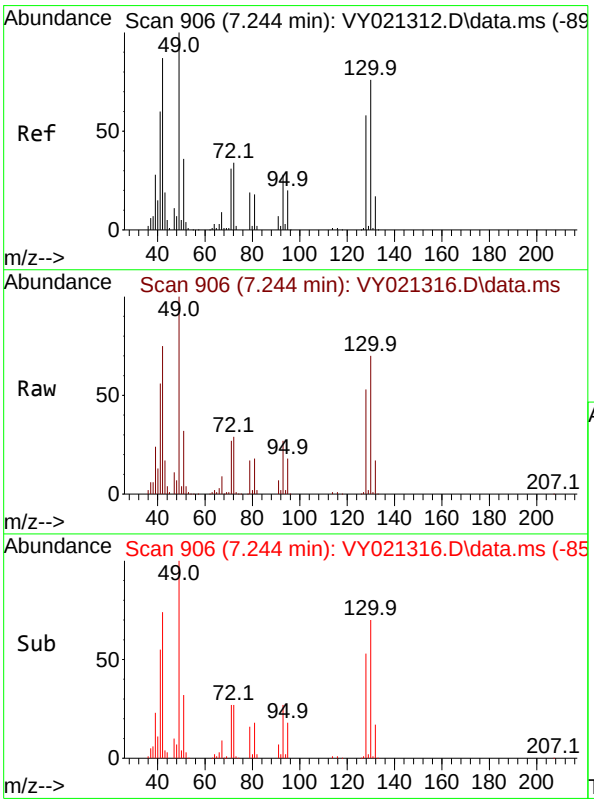
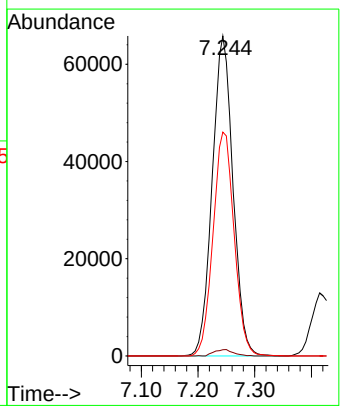
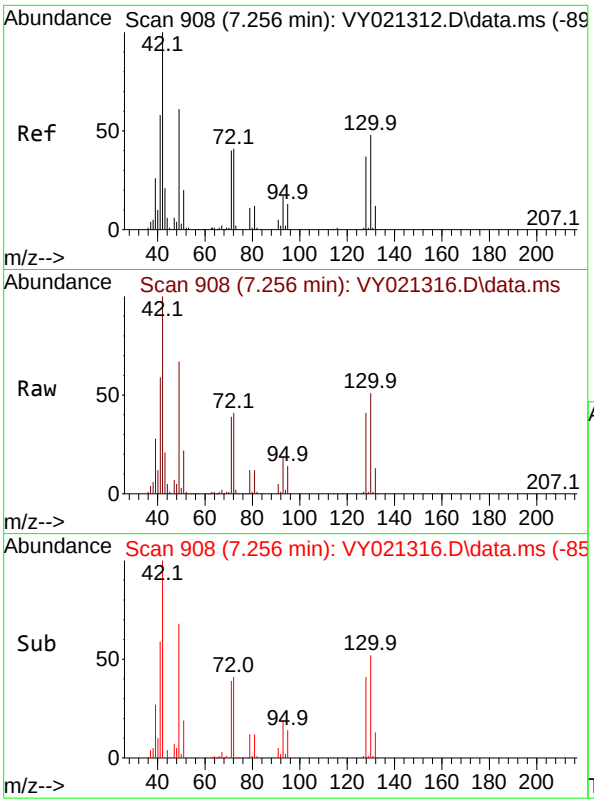



#28
Bromochloromethane
Concen: 95.287 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 49 Resp: 167271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.0 |
| 130 | 71.2 | 57.8 | 86.6 |

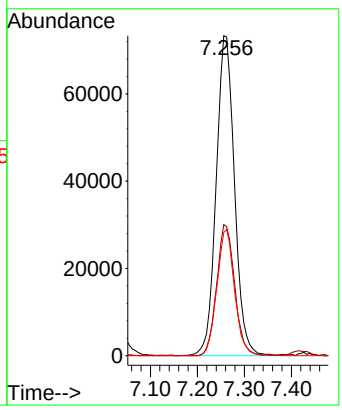





#29
Tetrahydrofuran
Concen: 486.299 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 42 Resp: 19905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.3 | 33.1 | 49.7 |
| 71 | 37.9 | 31.4 | 47.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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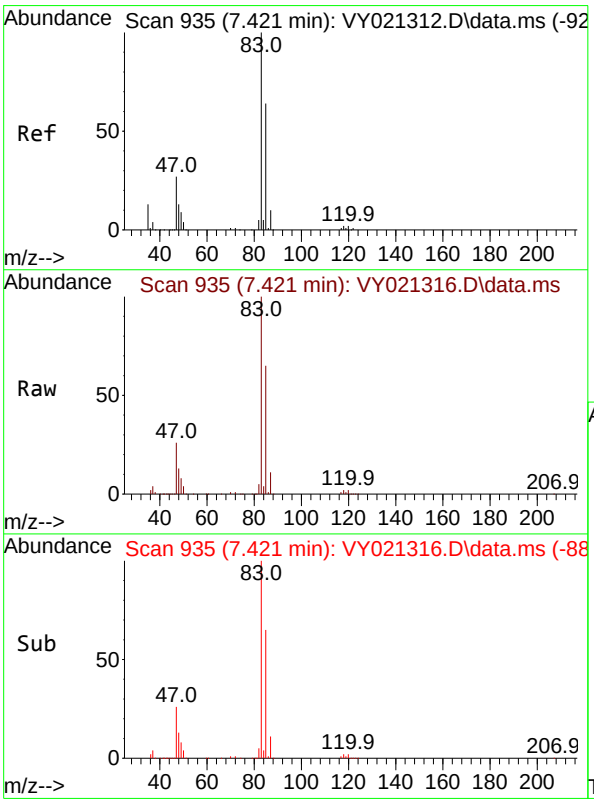
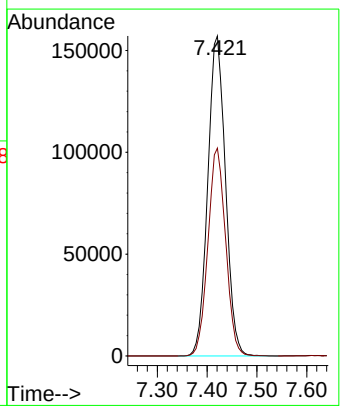
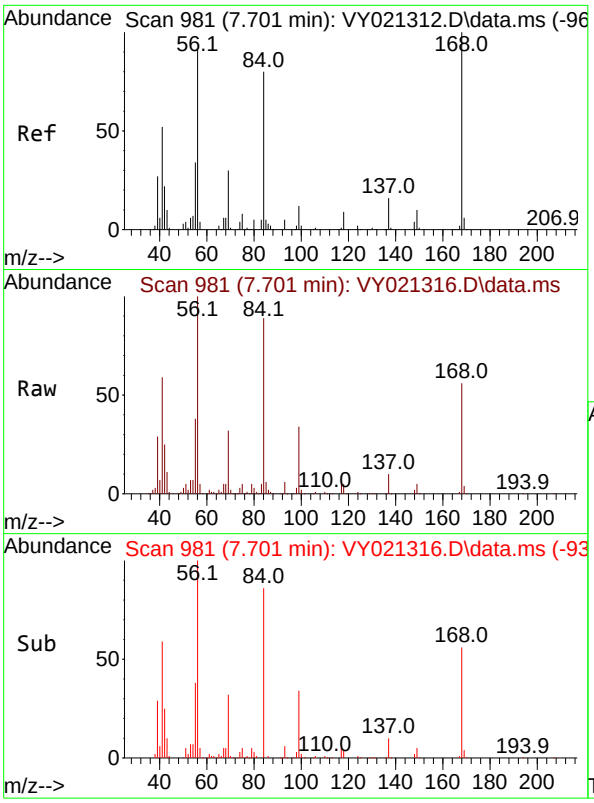



#30
Chloroform
Concen: 96.458 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 387767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 92.269 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 56 Resp: 35187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.0 | 26.2 | 39.4 |
| 84 | 87.4 | 70.2 | 105.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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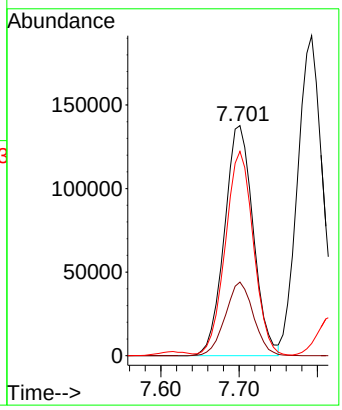
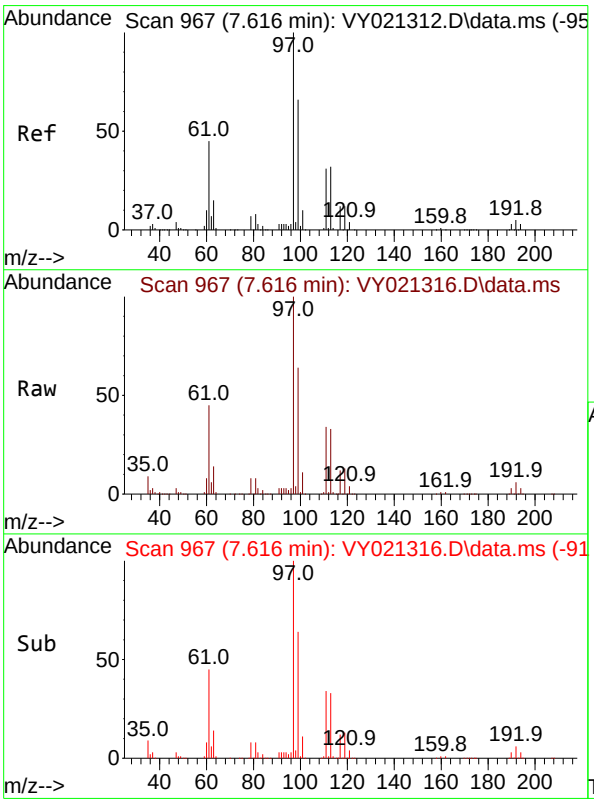
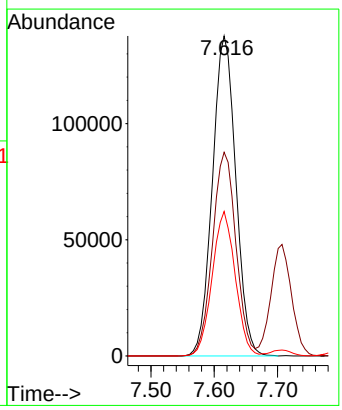


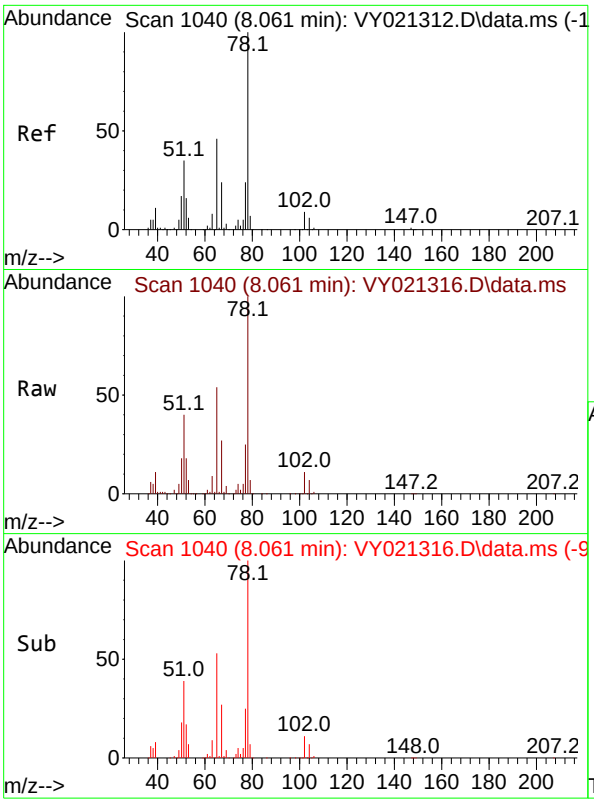




#32
1,1,1-Trichloroethane
Concen: 96.663 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 353701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 52.4 | 78.6 |
| 61 | 44.5 | 36.2 | 54.2 |

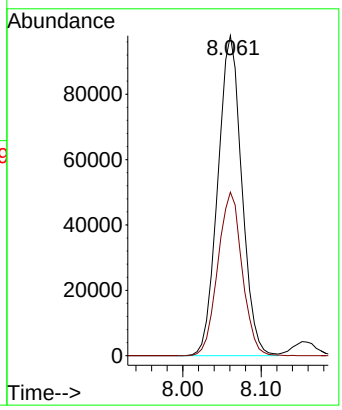





#33
1,2-Dichloroethane-d4
Concen: 96.407 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 65 Resp: 20853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 103.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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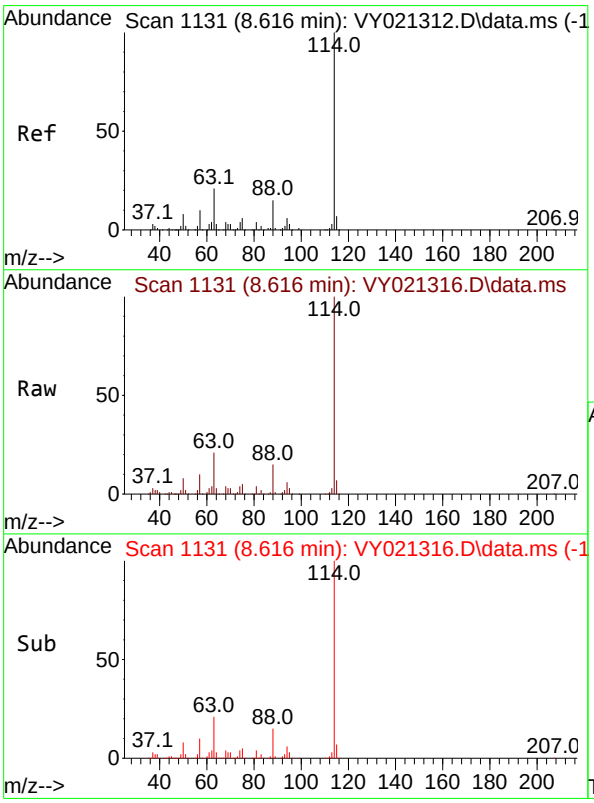
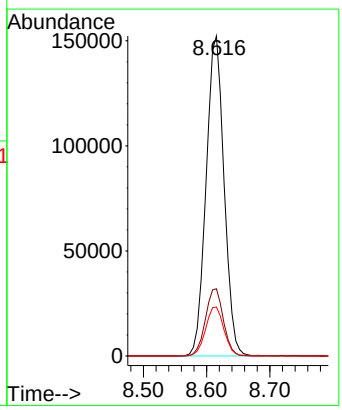
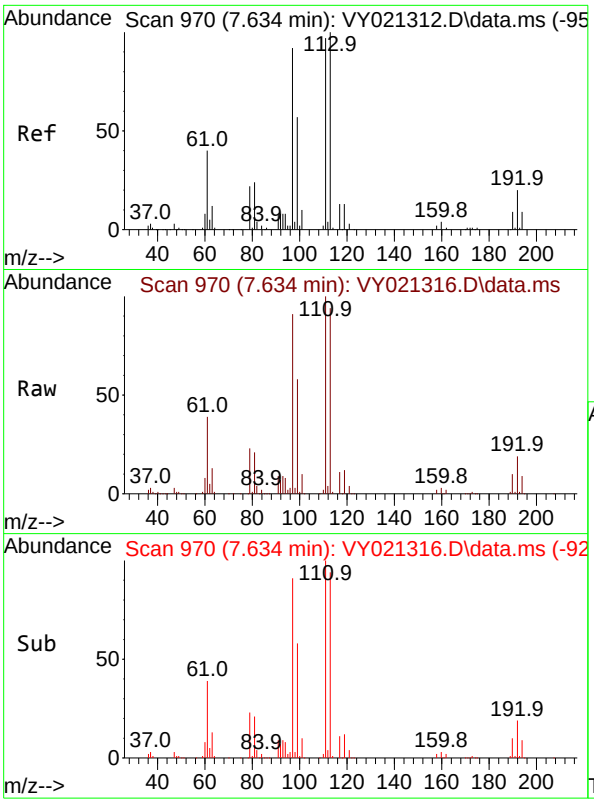



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:114 Resp: 300486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 42.2 |
| 88 | 15.3 | 0.0 | 29.8 |

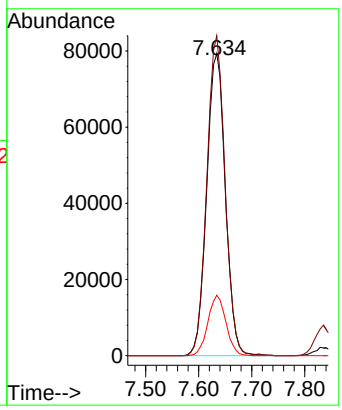





#35
Dibromofluoromethane
Concen: 98.377 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:113 Resp: 19380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 81.0 | 121.6 |
| 192 | 19.4 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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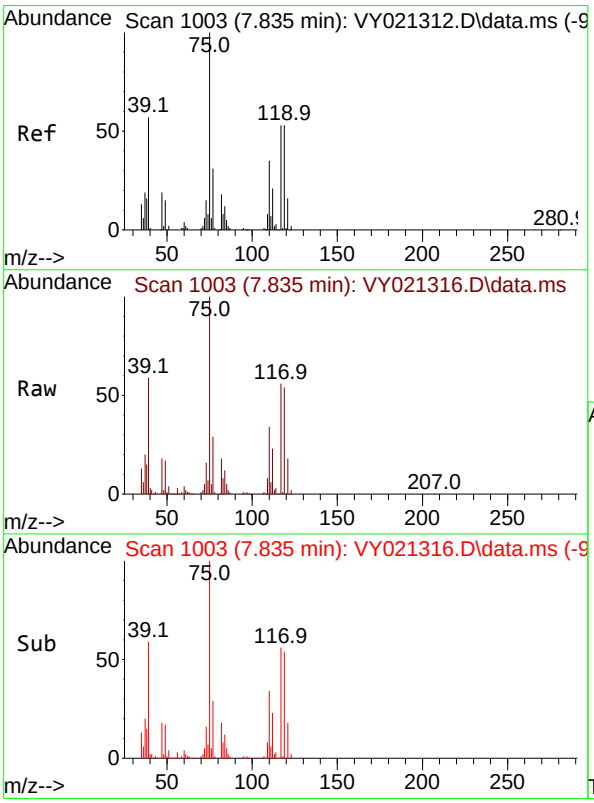
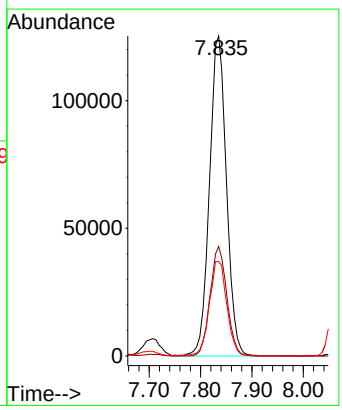
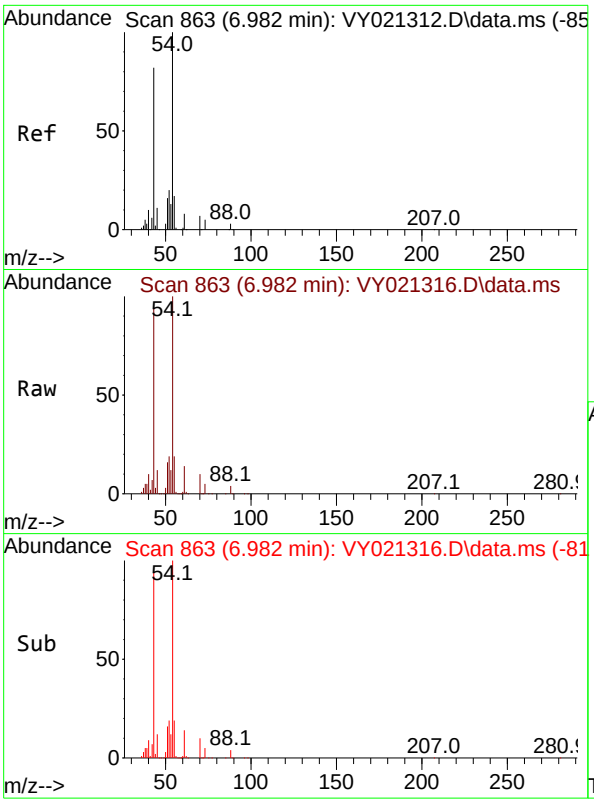



#36
1,1-Dichloropropene
Concen: 97.146 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 287472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.7 | 16.9 | 50.7 |
| 77 | 30.5 | 24.6 | 36.8 |

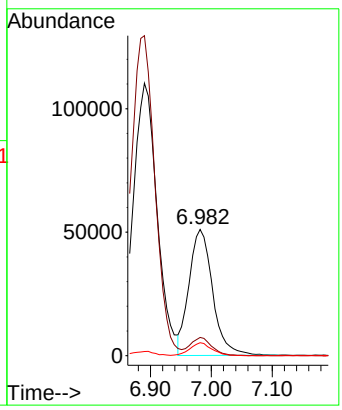





#37
Ethyl Acetate
Concen: 93.230 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 13723

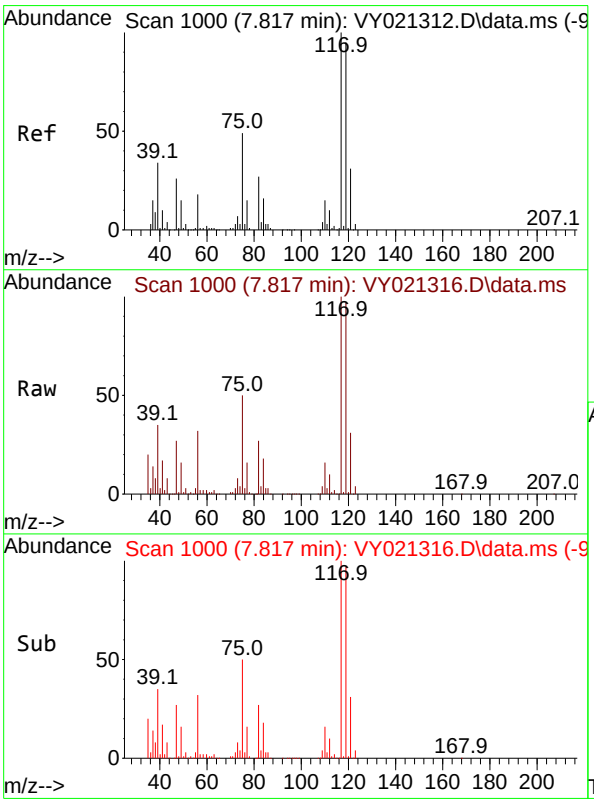
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.3 | 10.4 | 15.6 |
| 70 | 9.5 | 7.5 | 11.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

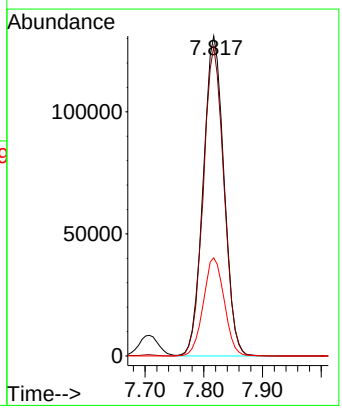
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

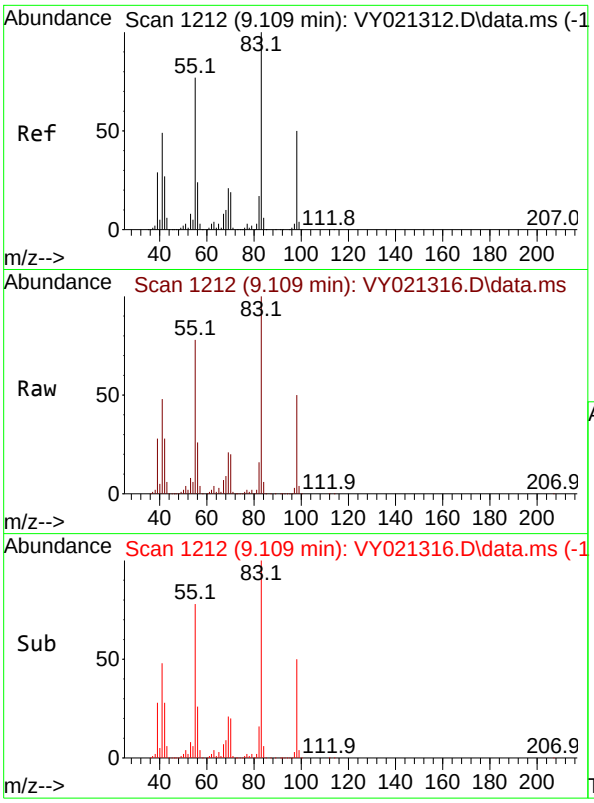



#38
Carbon Tetrachloride
Concen: 96.663 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 321576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 76.0 | 114.0 |
| 121 | 30.7 | 24.9 | 37.3 |






#39
Methylcyclohexane
Concen: 99.169 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 37117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.9 | 61.3 | 91.9 |
| 98 | 49.6 | 39.9 | 59.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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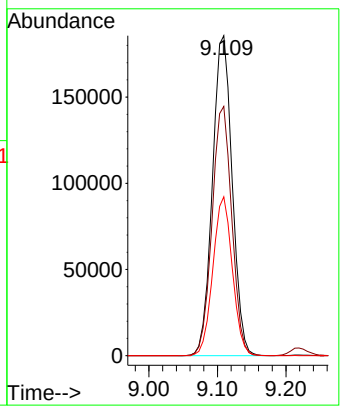
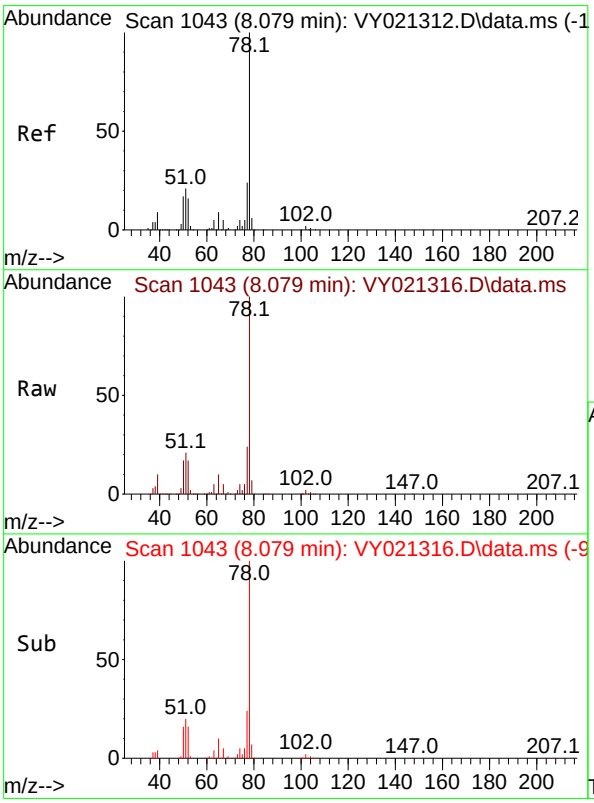
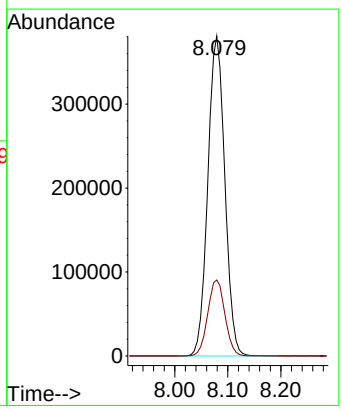


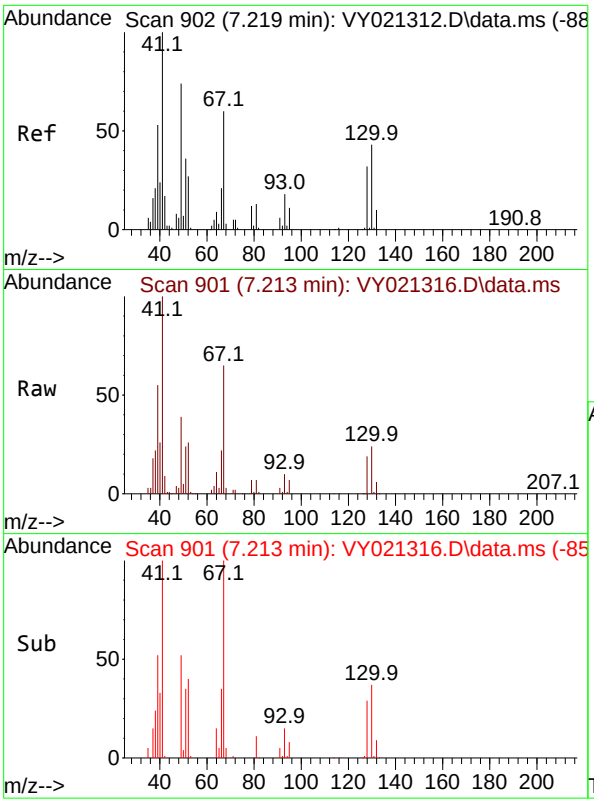




#40
Benzene
Concen: 96.835 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 78 Resp: 847066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.2 | 28.8 |

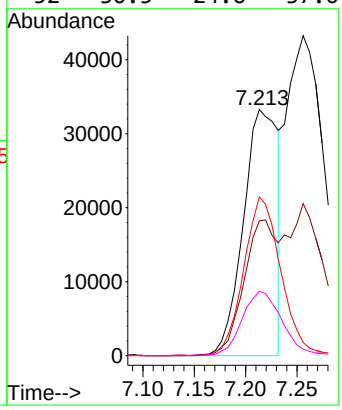





#41
Methacrylonitrile
Concen: 94.219 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 7754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.2 | 42.3 | 63.5 |
| 67 | 69.9 | 54.8 | 82.2 |
| 52 | 30.5 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

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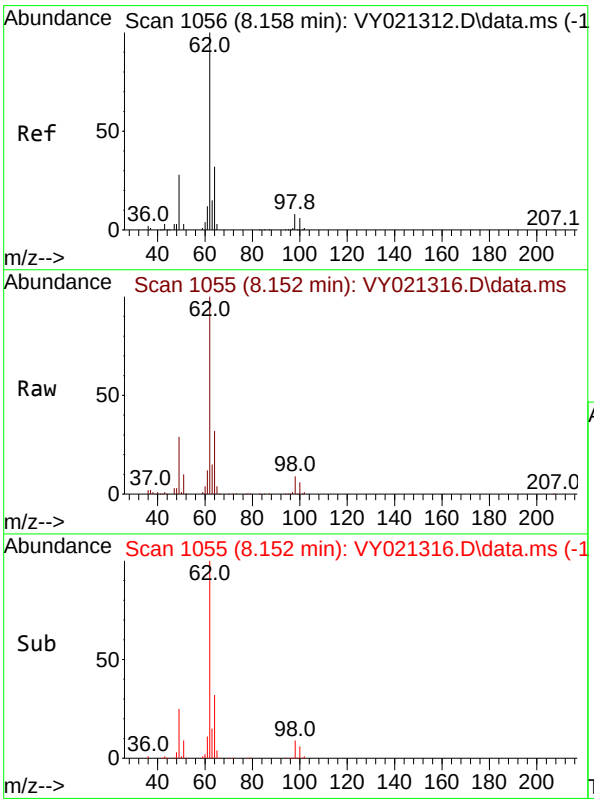
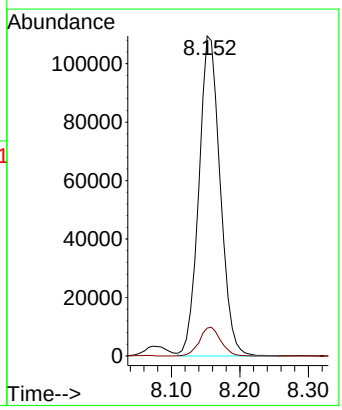
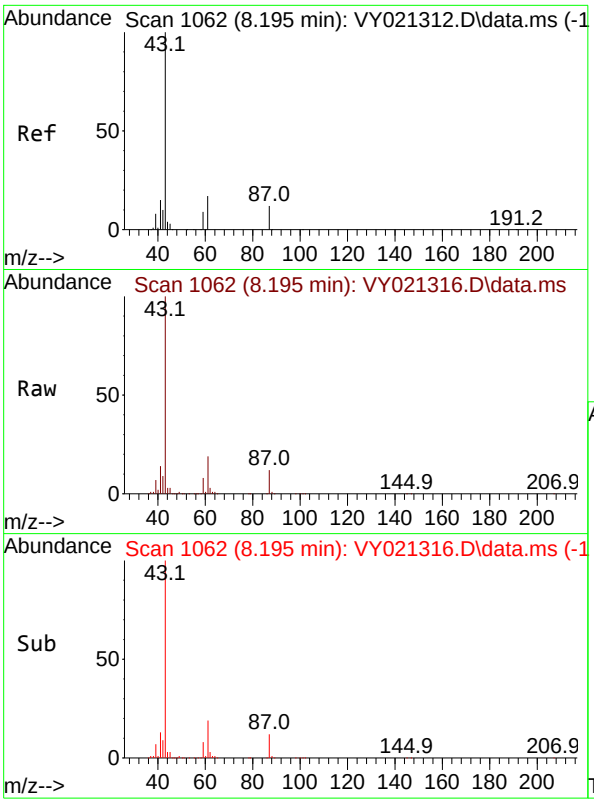



#42
1,2-Dichloroethane
Concen: 95.375 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 236704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.6 |

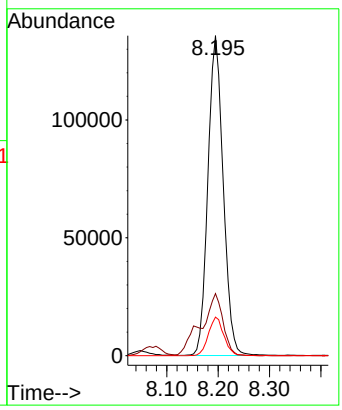





#43
Isopropyl Acetate
Concen: 98.388 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 28032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.9 | 15.0 | 22.6 |
| 87 | 12.2 | 10.0 | 15.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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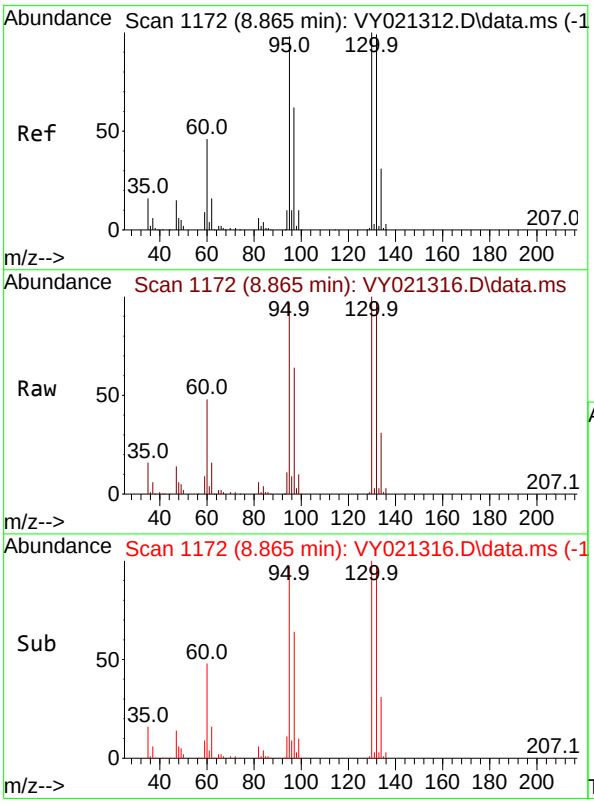
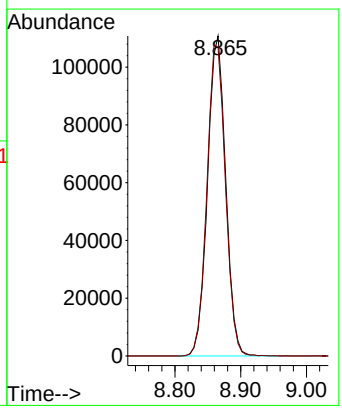
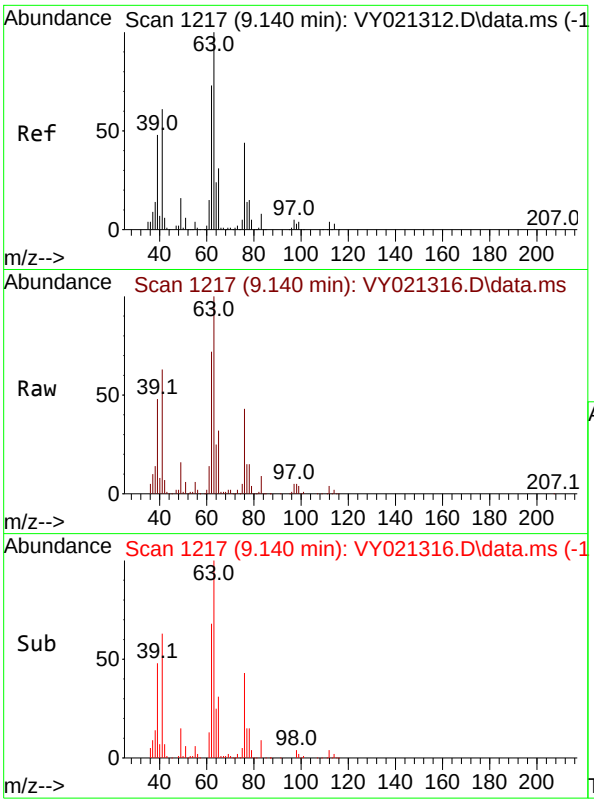



#44
Trichloroethene
Concen: 97.057 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:130 Resp: 212562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.6 | 0.0 | 196.0 |

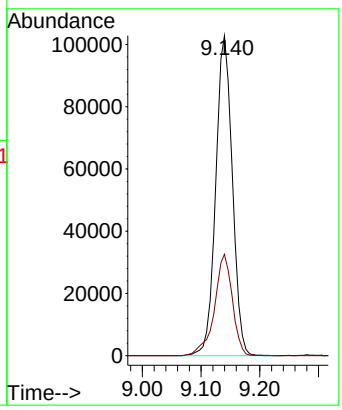





#45
1,2-Dichloropropane
Concen: 95.814 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 20170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.7 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

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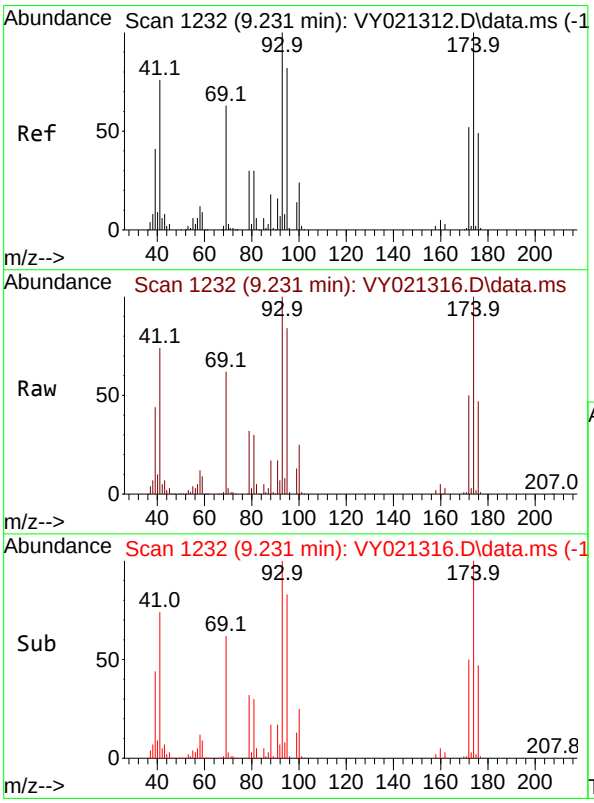
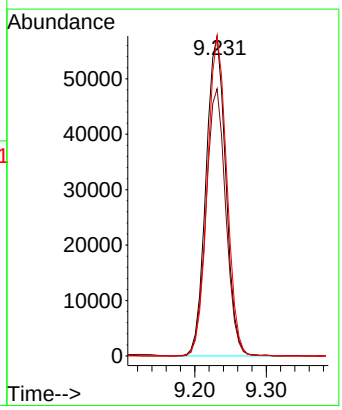
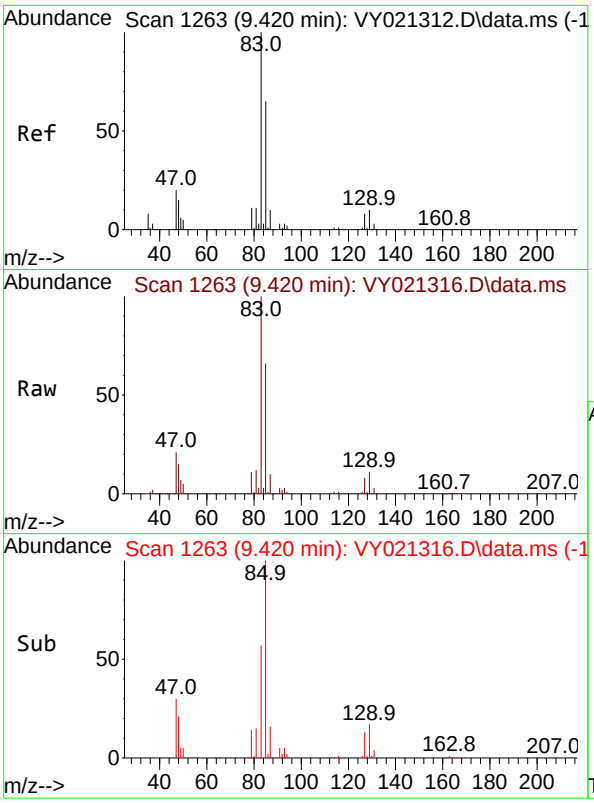



#46
Dibromomethane
Concen: 96.301 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 93 Resp: 110814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.4 | 66.4 | 99.6 |
| 174 | 98.3 | 78.2 | 117.2 |

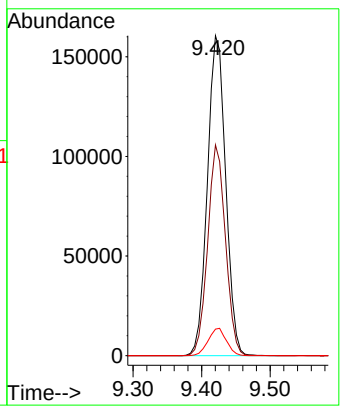





#47
Bromodichloromethane
Concen: 96.904 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 29732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 51.8 | 77.8 |
| 127 | 8.3 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

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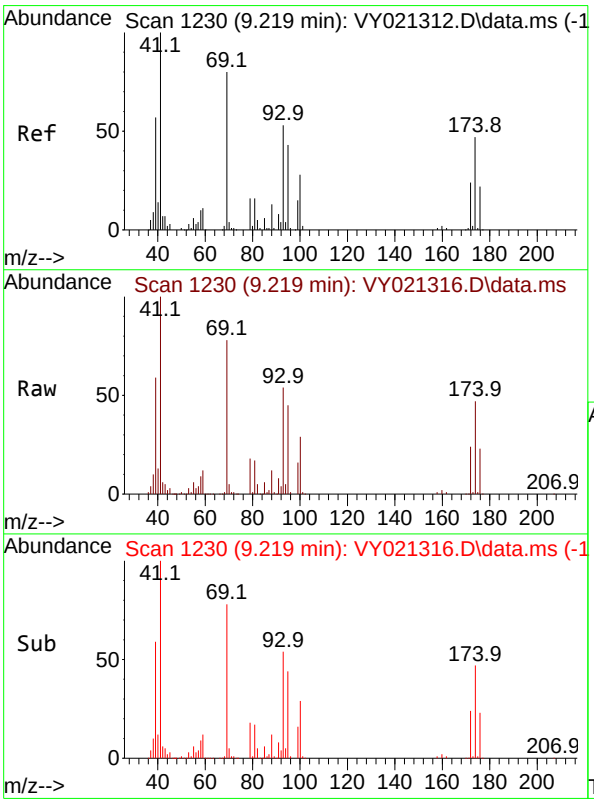
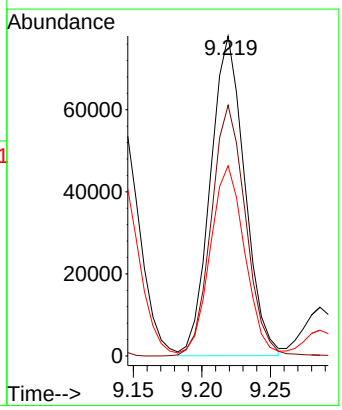
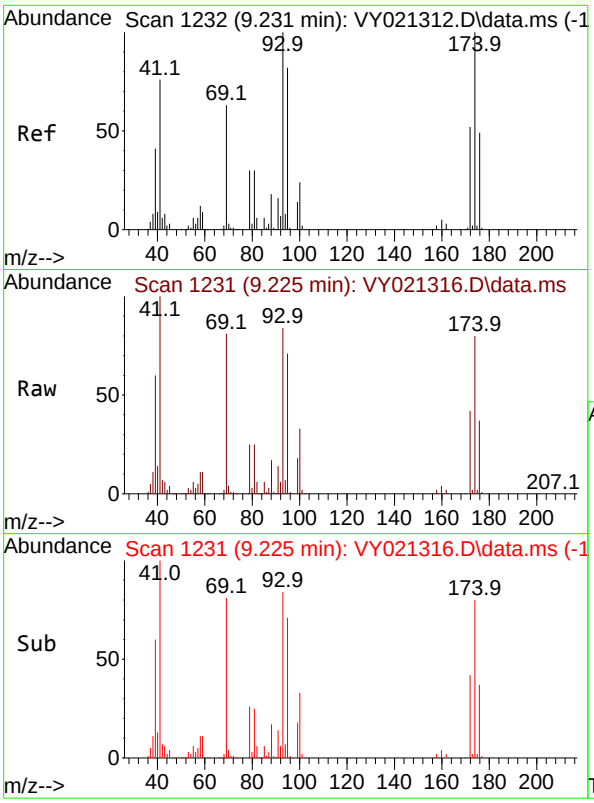



#48
Methyl methacrylate
Concen: 101.635 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 135412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.9 | 63.3 | 94.9 |
| 39 | 58.0 | 45.0 | 67.6 |

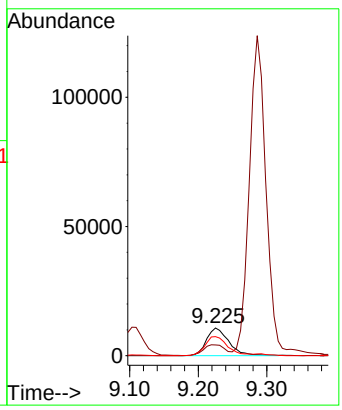





#49
1,4-Dioxane
Concen: 1903.504 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 88 Resp: 2435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.0 | 34.8 | 52.2 |
| 58 | 70.4 | 59.8 | 89.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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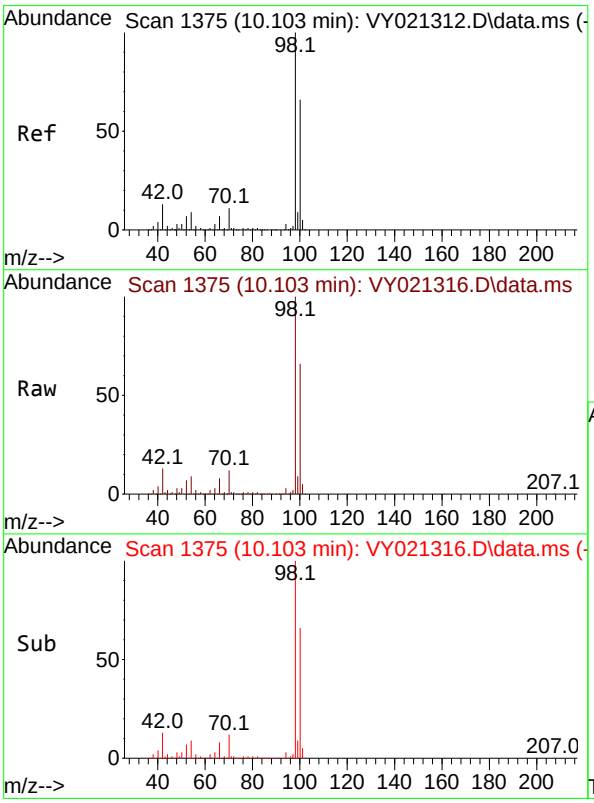
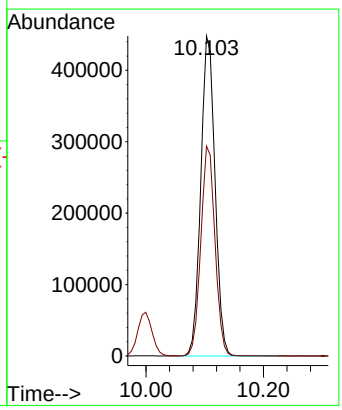
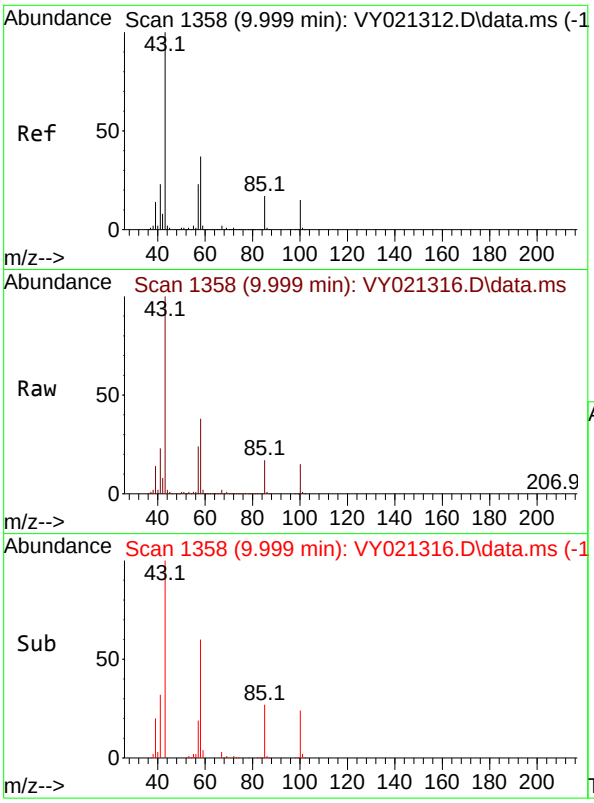



#50
Toluene-d8
Concen: 98.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 98 Resp: 752895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 52.4 | 78.6 |

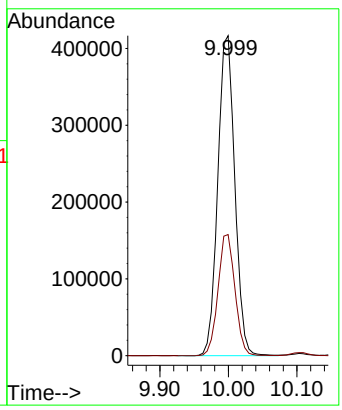





#51
4-Methyl-2-Pentanone
Concen: 490.938 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 71600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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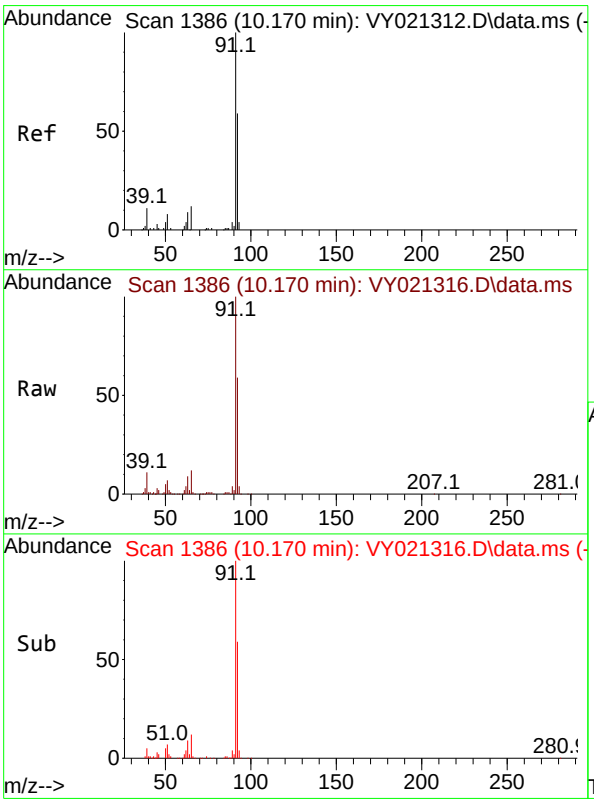
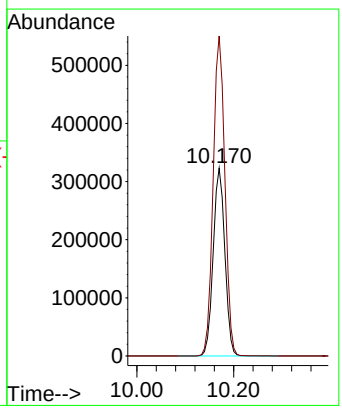
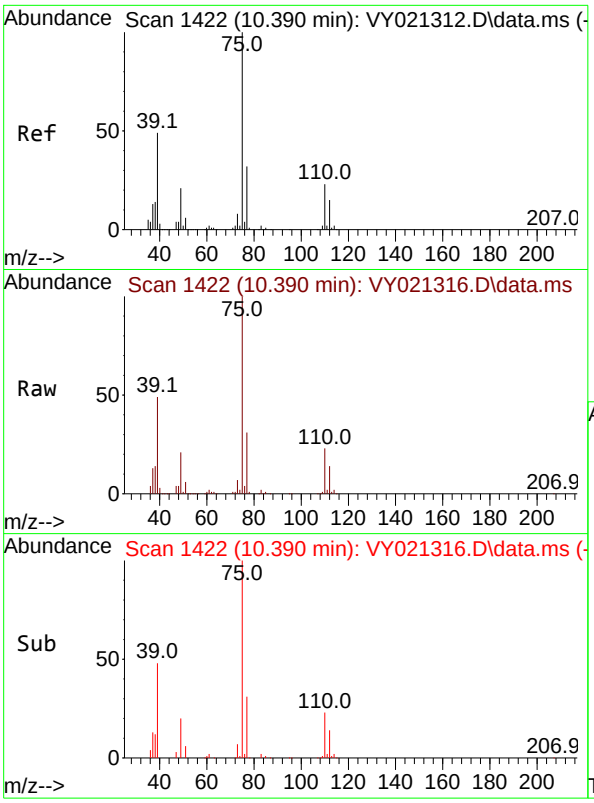



#52
Toluene
Concen: 99.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 92 Resp: 539016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.7 | 137.8 | 206.8 |

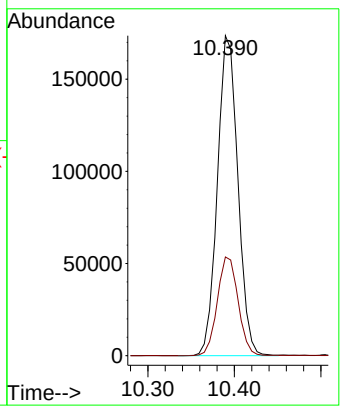





#53
t-1,3-Dichloropropene
Concen: 101.290 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 28473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 25.3 | 37.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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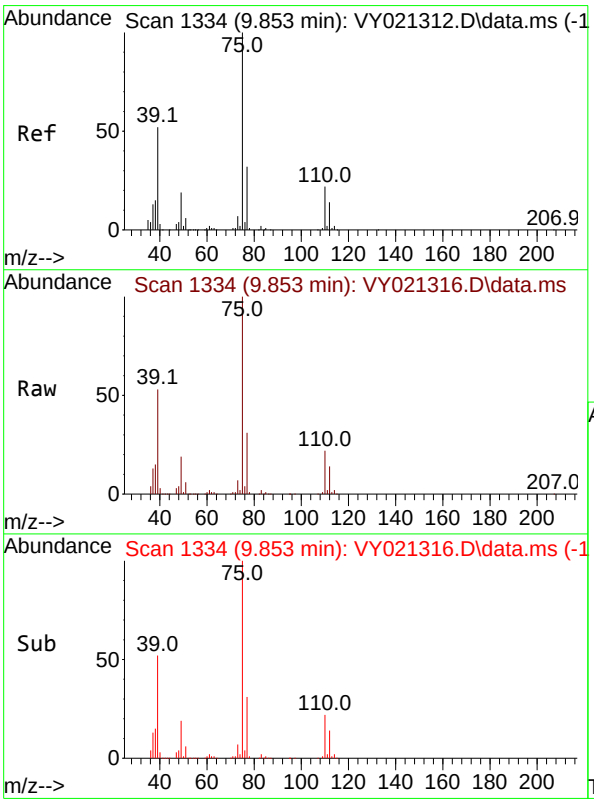
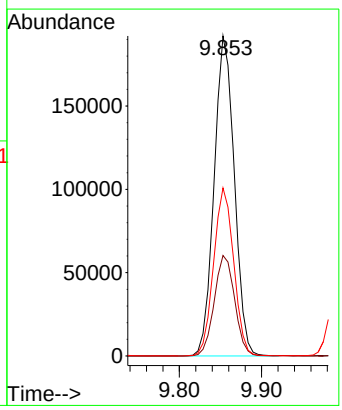
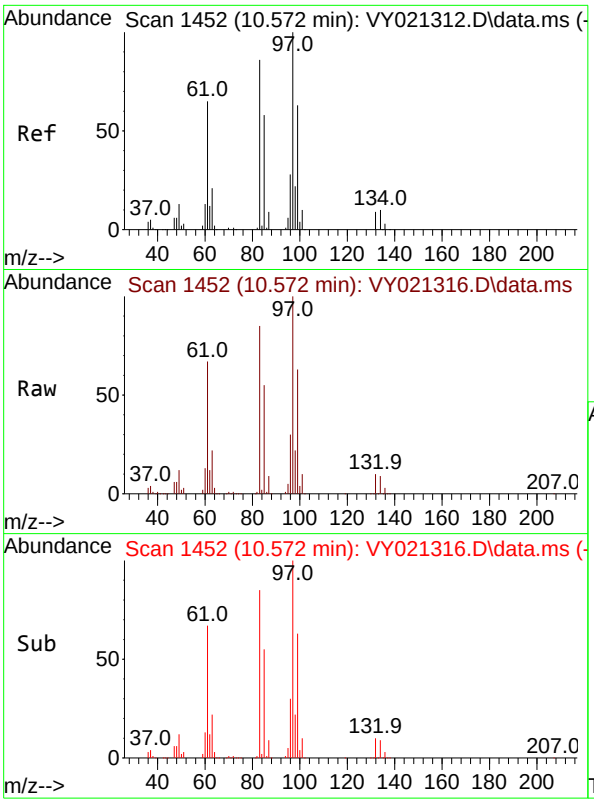



#54
cis-1,3-Dichloropropene
Concen: 98.870 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 328107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.7 | 38.5 |
| 39 | 52.5 | 41.8 | 62.6 |

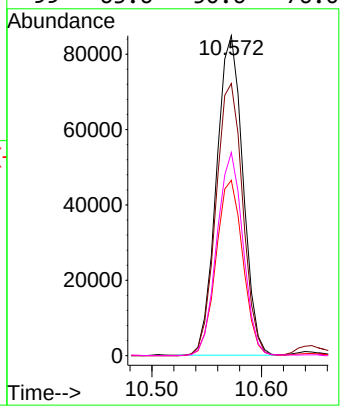





#55
1,1,2-Trichloroethane
Concen: 94.975 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 14237

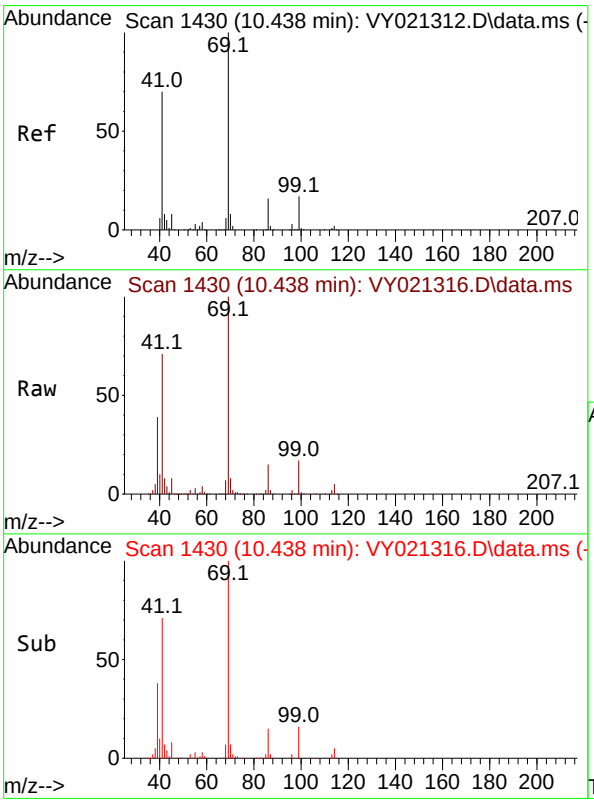
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.2 | 68.7 | 103.1 |
| 85 | 54.9 | 46.3 | 69.5 |
| 99 | 63.6 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

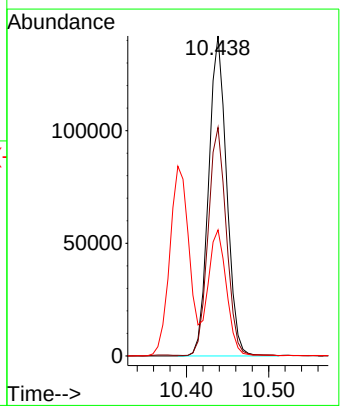
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

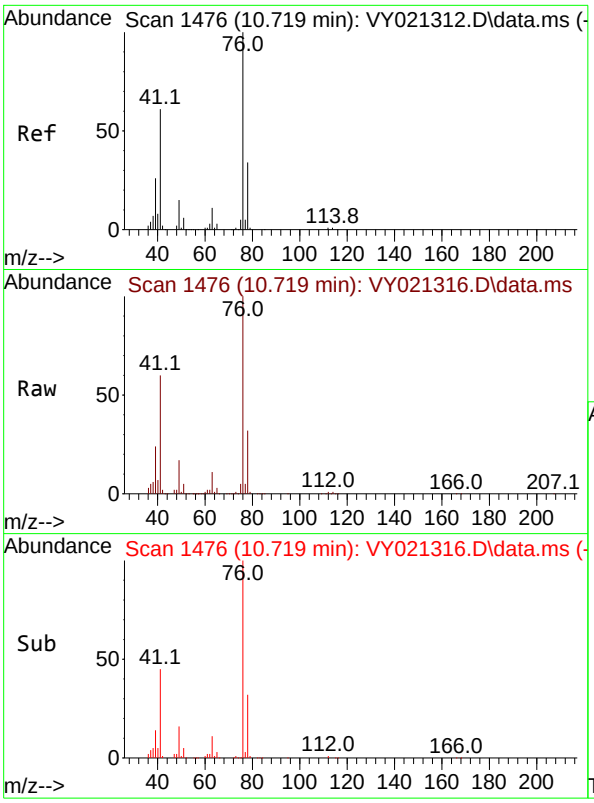



#56
Ethyl methacrylate
Concen: 104.564 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 69 Resp: 216586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.7 | 56.2 | 84.4 |
| 39 | 40.2 | 32.7 | 49.1 |

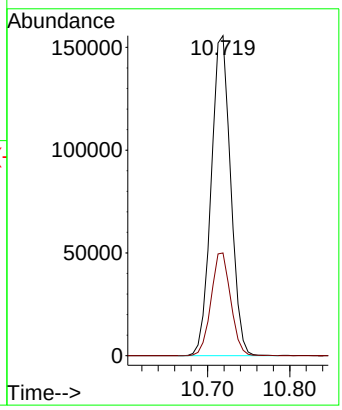





#57
1,3-Dichloropropane
Concen: 97.283 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 76 Resp: 25590

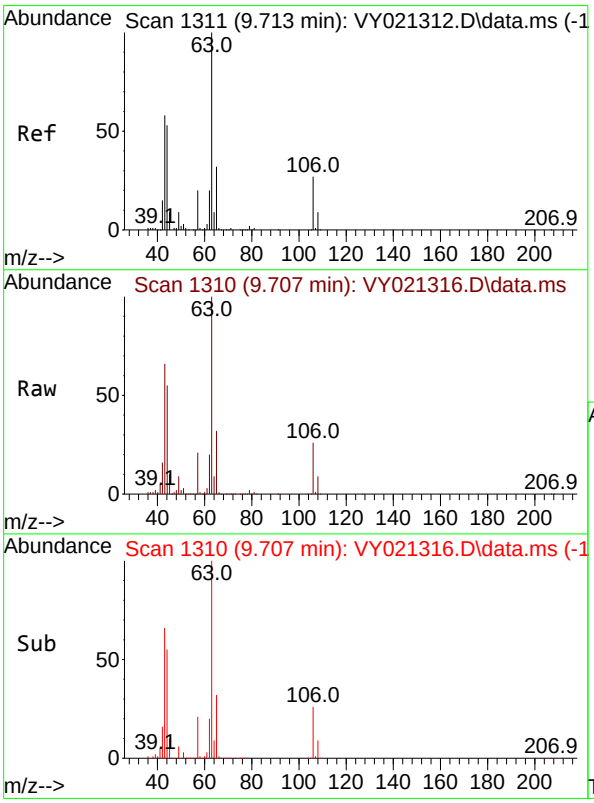
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

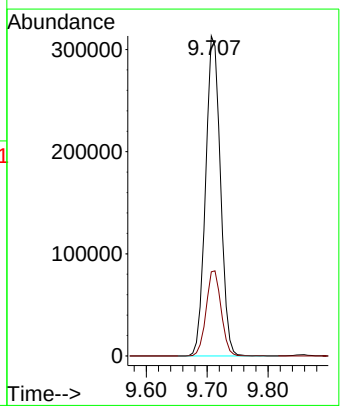
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

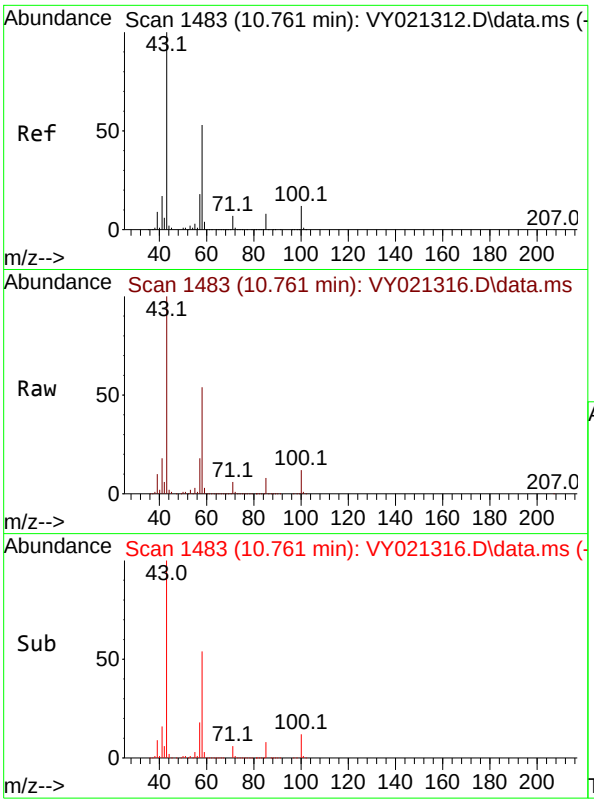



#58
2-Chloroethyl Vinyl ether
Concen: 533.791 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 530695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.9 | 21.7 | 32.5 |






#59
2-Hexanone
Concen: 507.115 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 48573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.5 | 25.9 | 77.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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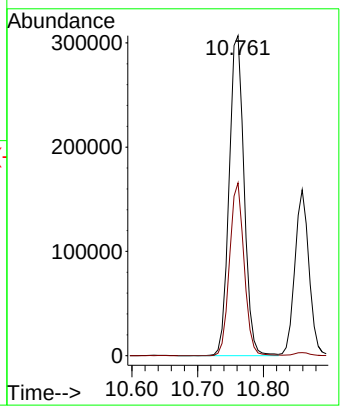
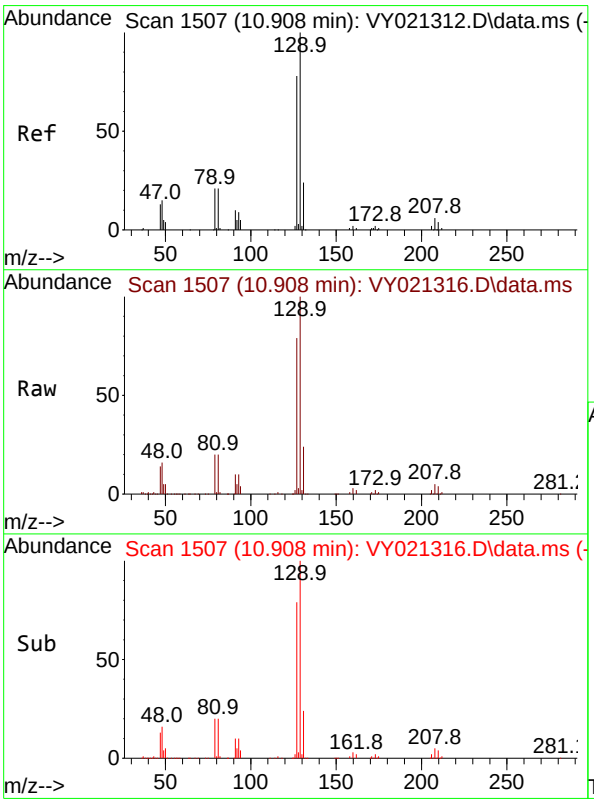
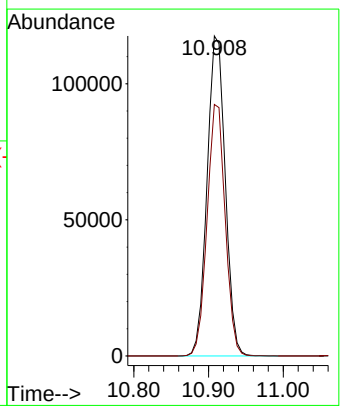


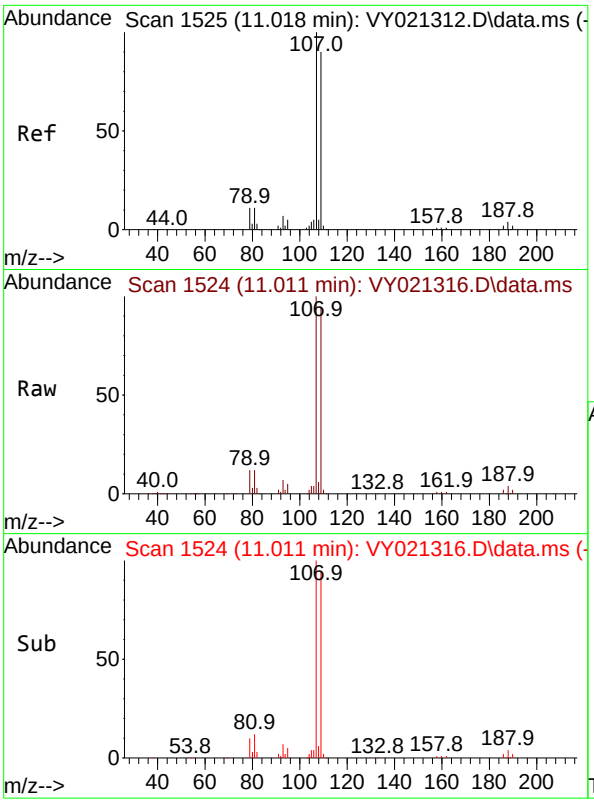




#60
Dibromochloromethane
Concen: 97.582 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:129 Resp: 199225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.2 | 38.8 | 116.4 |

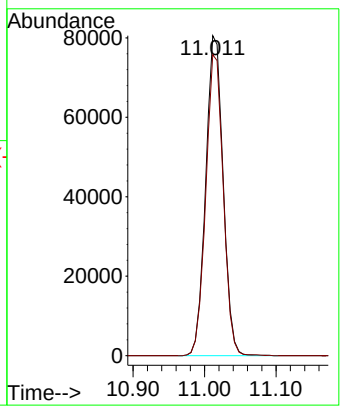





#61
1,2-Dibromoethane
Concen: 96.029 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:107 Resp: 13628

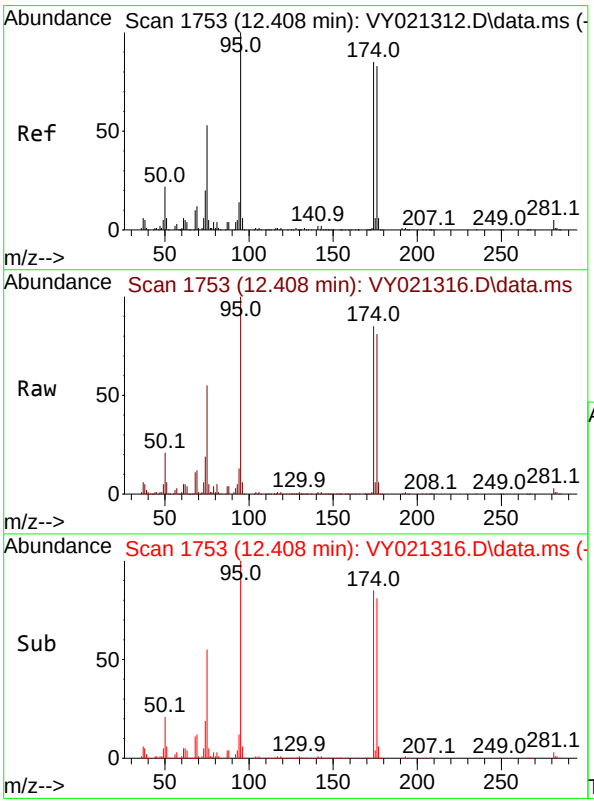
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 73.8 | 110.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

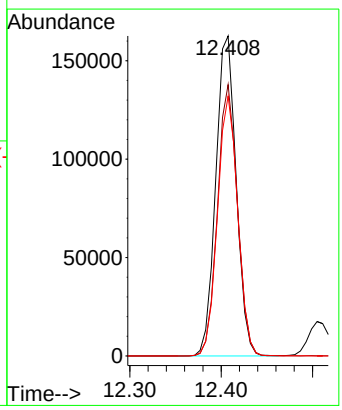
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

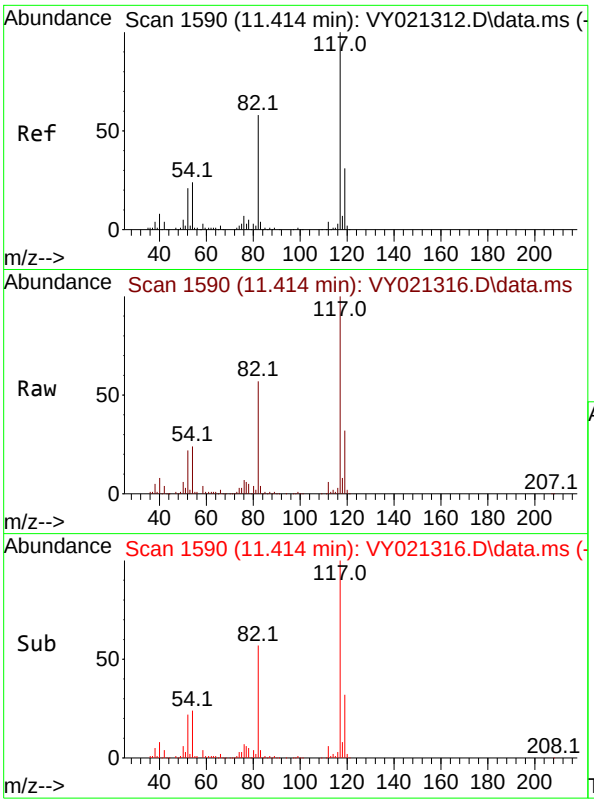



#62
4-Bromofluorobenzene
Concen: 98.477 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 95 Resp: 252327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.9 | 0.0 | 168.0 |
| 176 | 80.5 | 0.0 | 162.6 |

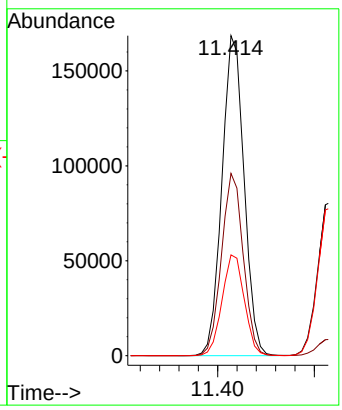





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 26715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.9 | 46.2 | 69.4 |
| 119 | 31.5 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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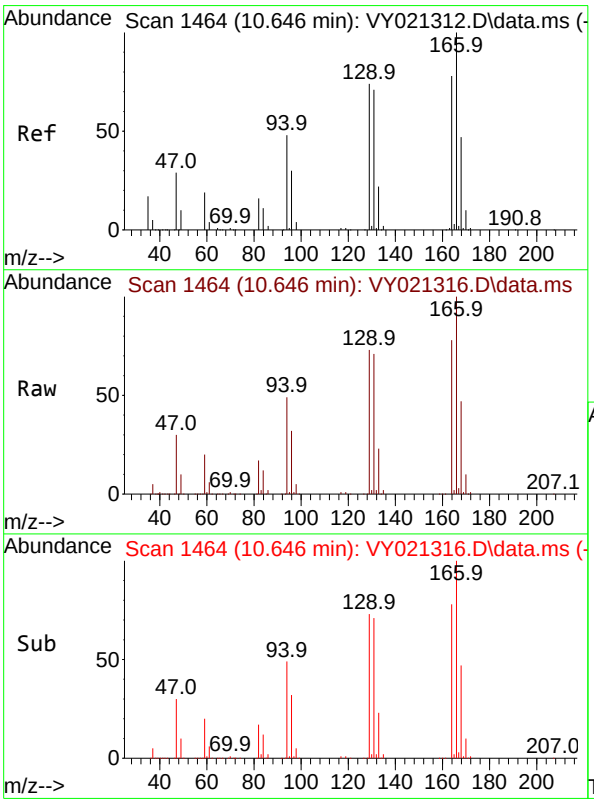
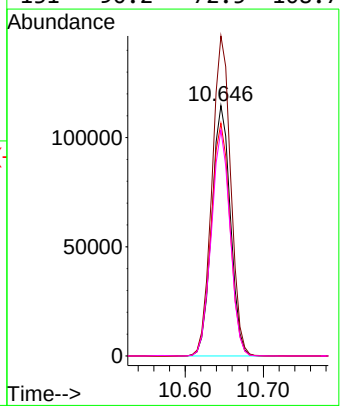
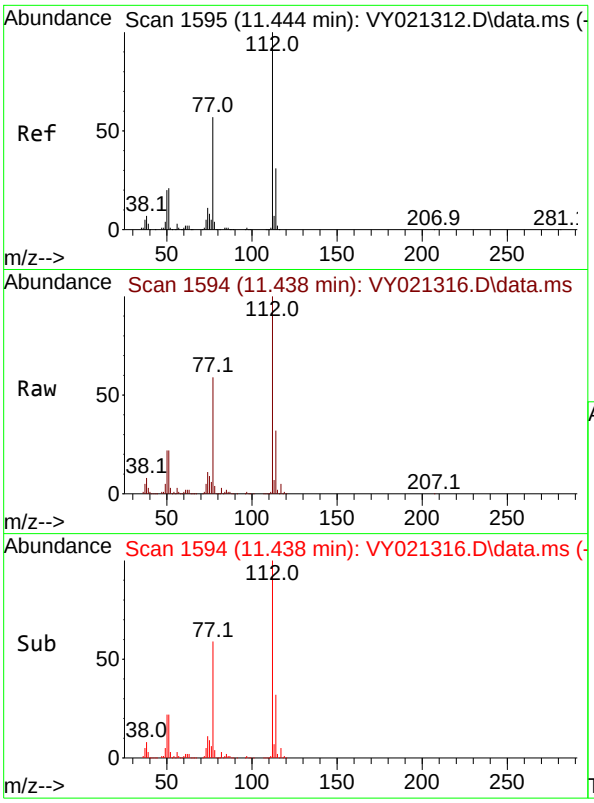



#64
Tetrachloroethene
Concen: 93.936 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:164 Resp: 189679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.8 | 101.9 | 152.9 |
| 129 | 92.9 | 75.5 | 113.3 |
| 131 | 90.2 | 72.5 | 108.7 |

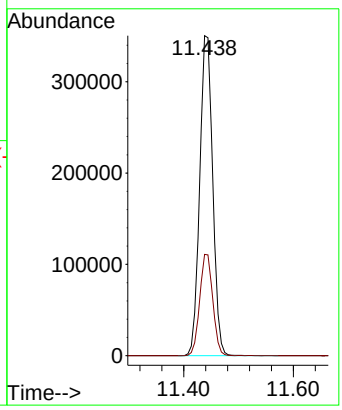





#65
Chlorobenzene
Concen: 96.070 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:112 Resp: 57610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.6 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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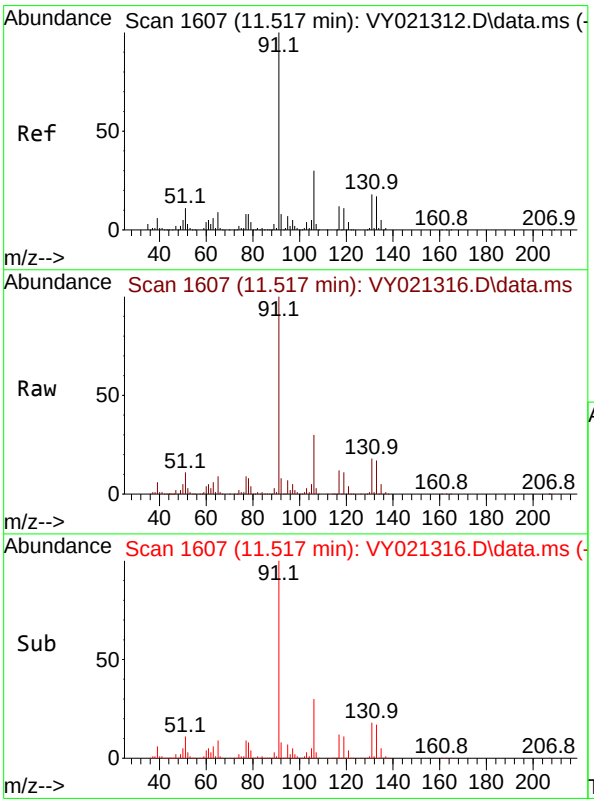
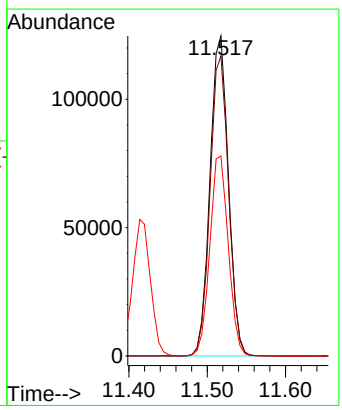
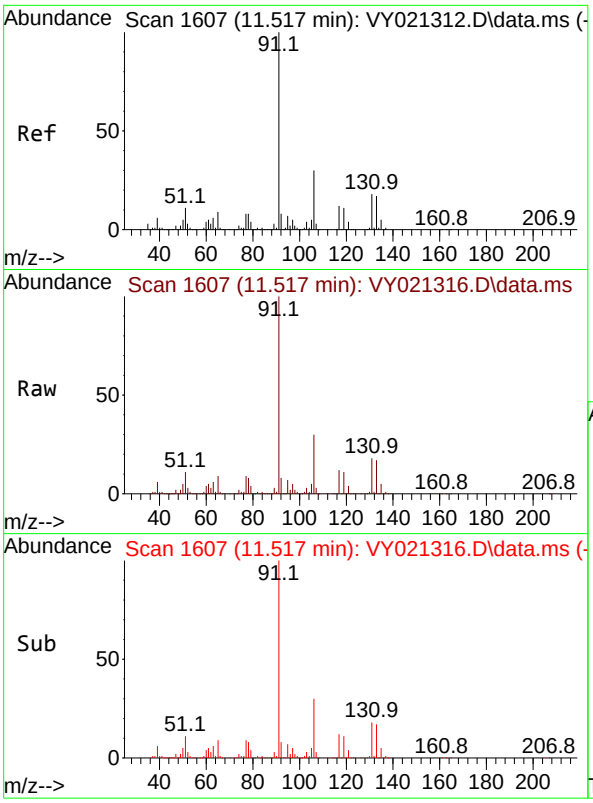



#66
1,1,1,2-Tetrachloroethane
Concen: 97.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:131 Resp: 203696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.2 | 47.9 | 143.6 |
| 119 | 62.8 | 31.7 | 95.1 |






#67
Ethyl Benzene
Concen: 99.522 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 105712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 24.4 | 36.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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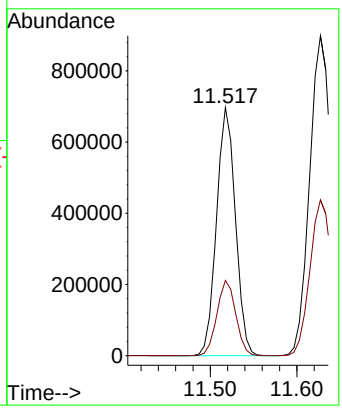
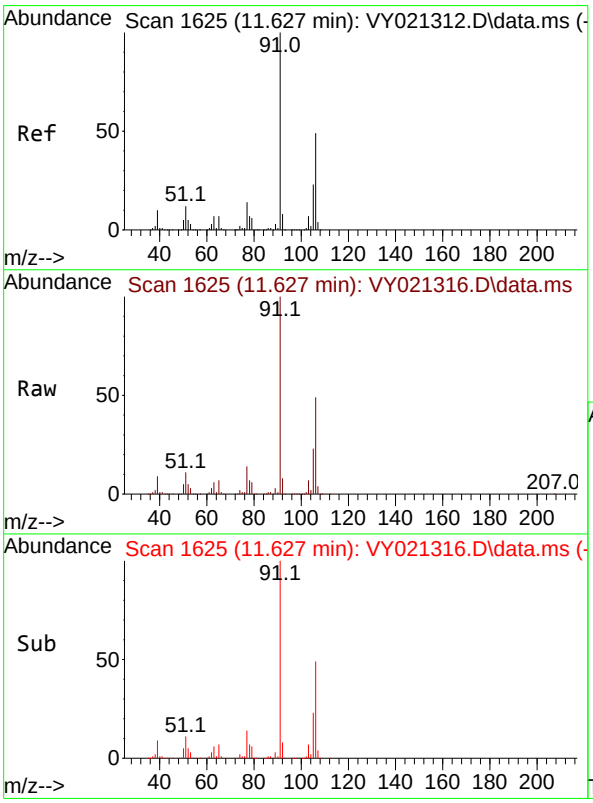
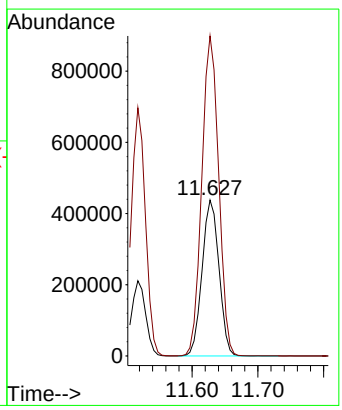


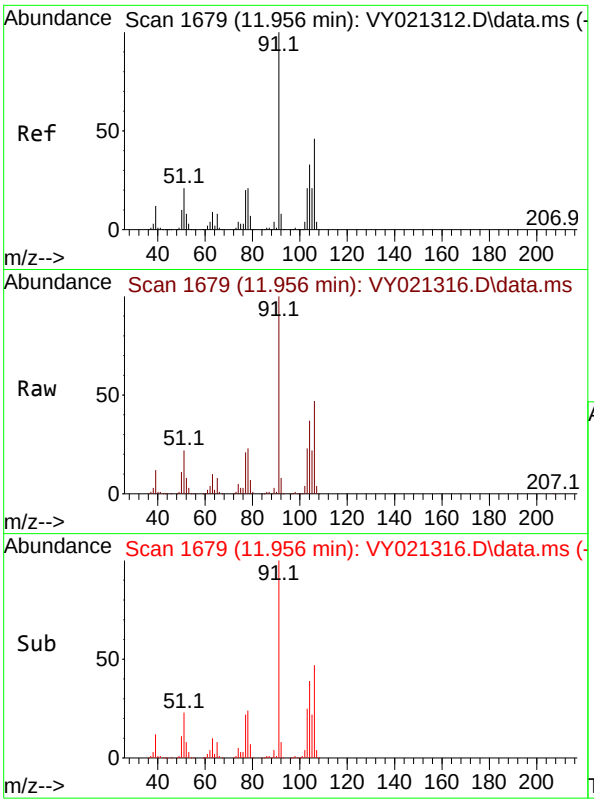




#68
m/p-Xylenes
Concen: 195.986 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 783034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.9 | 163.9 | 245.9 |






#69
o-Xylene
Concen: 99.112 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 37096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.3 | 108.1 | 324.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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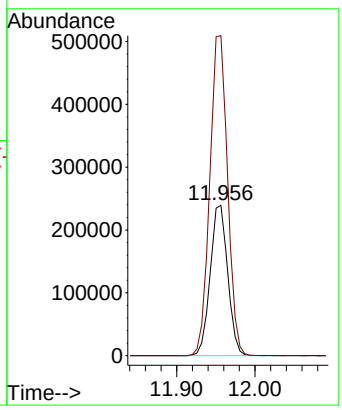
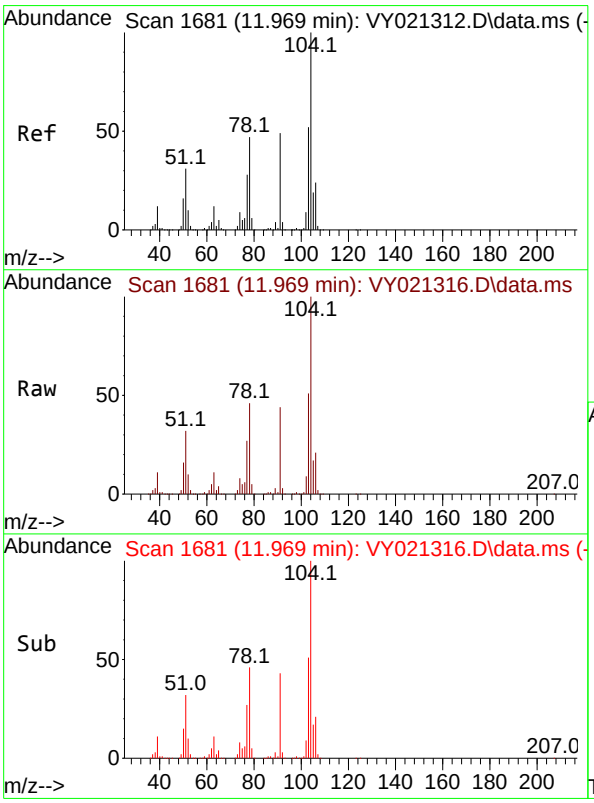
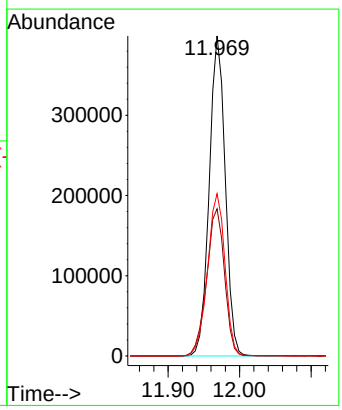


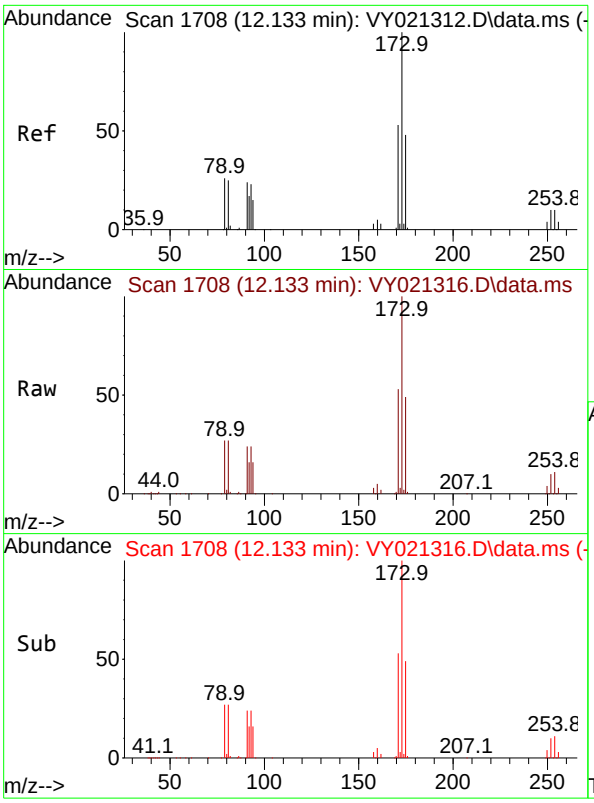




#70
Styrene
Concen: 99.469 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:104 Resp: 619437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.3 | 41.3 | 61.9 |
| 103 | 55.4 | 43.9 | 65.9 |

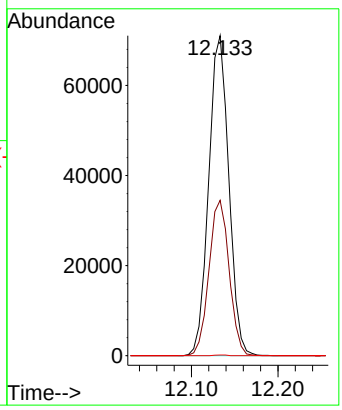





#71
Bromoform
Concen: 95.313 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:173 Resp: 11449

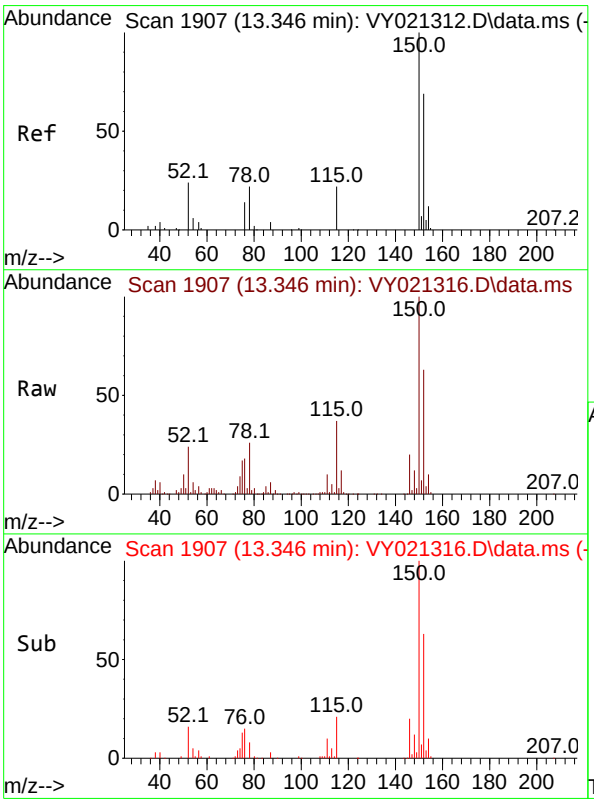
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 24.1 | 72.3 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

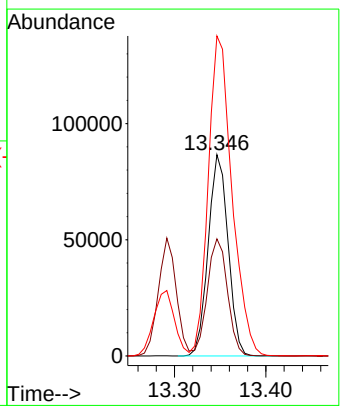
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

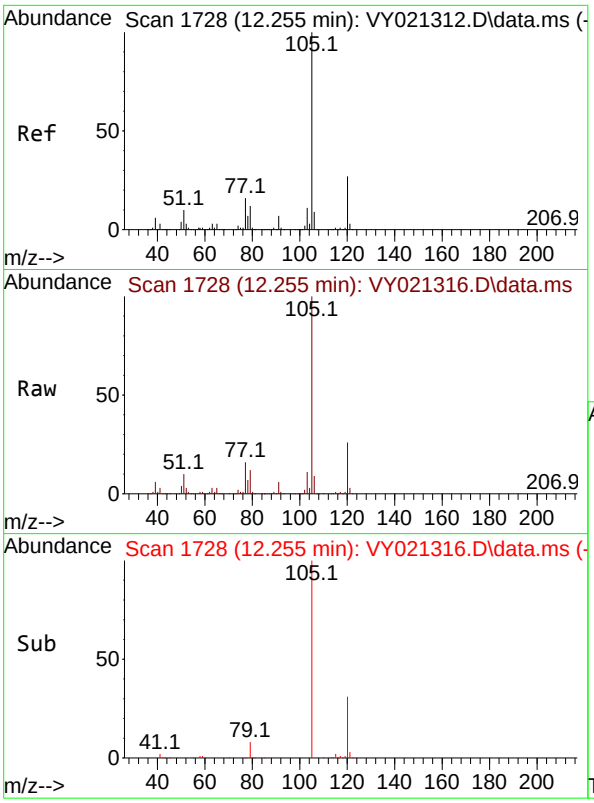



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:152 Resp: 130541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.0 | 29.3 | 88.0 |
| 150 | 190.2 | 0.0 | 347.4 |

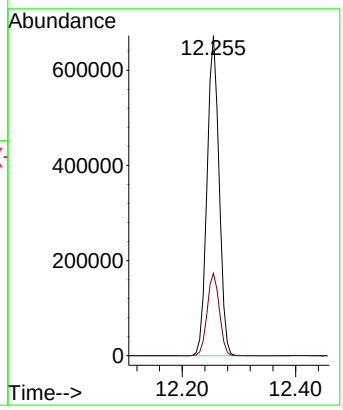





#73
Isopropylbenzene
Concen: 100.648 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 98775

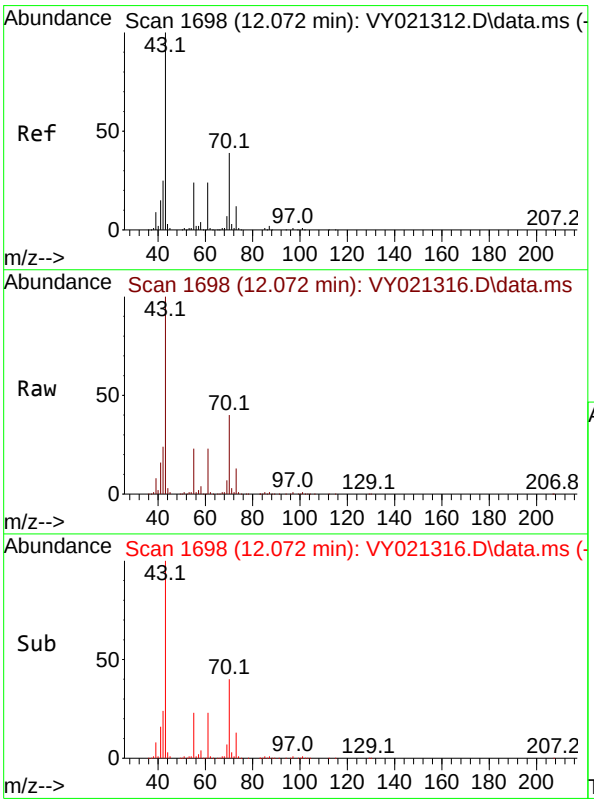
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.3 | 39.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

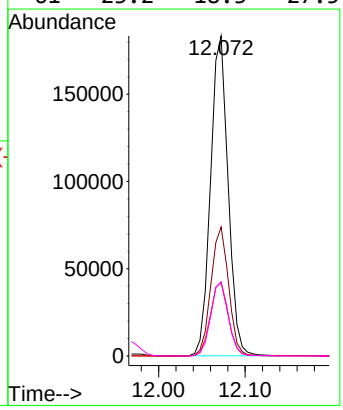
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

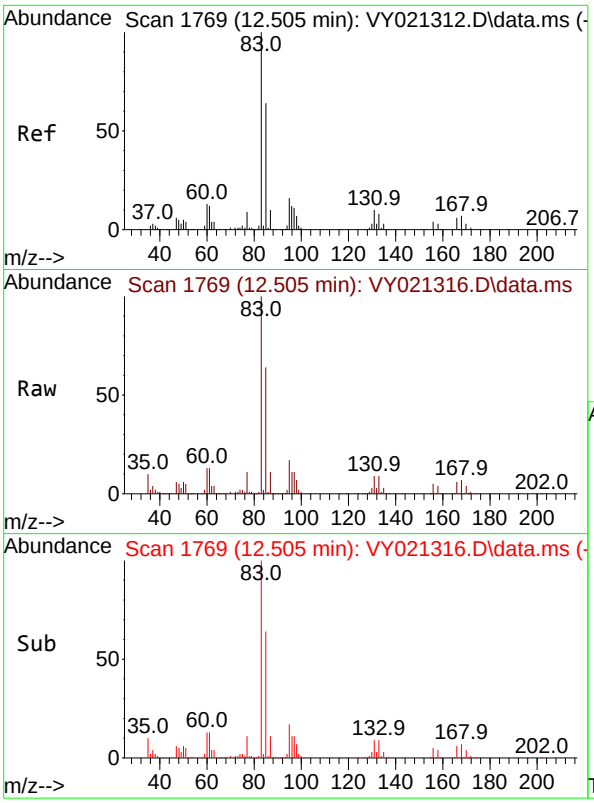



#74
N-amyl acetate
Concen: 103.658 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 258576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.6 | 32.2 | 48.2 |
| 55 | 23.8 | 19.6 | 29.4 |
| 61 | 23.2 | 18.3 | 27.5 |

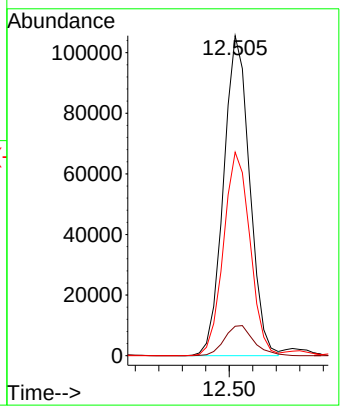





#75
1,1,2,2-Tetrachloroethane
Concen: 94.075 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 16294

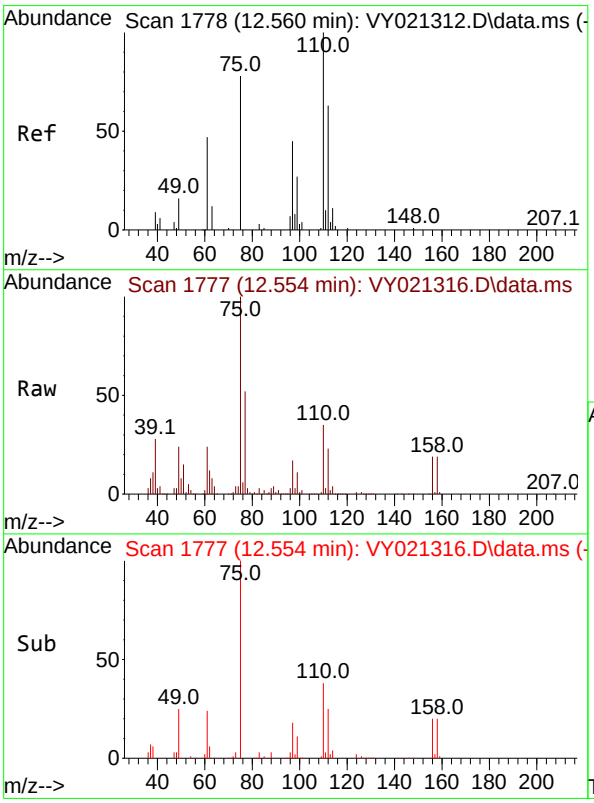
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 5.2 | 15.6 |
| 85 | 64.6 | 32.0 | 96.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

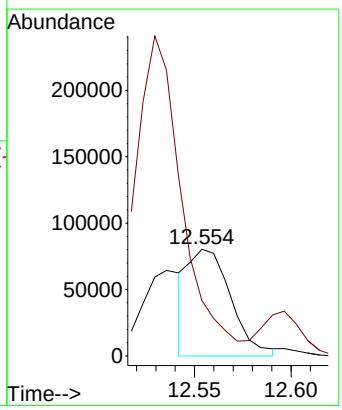
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

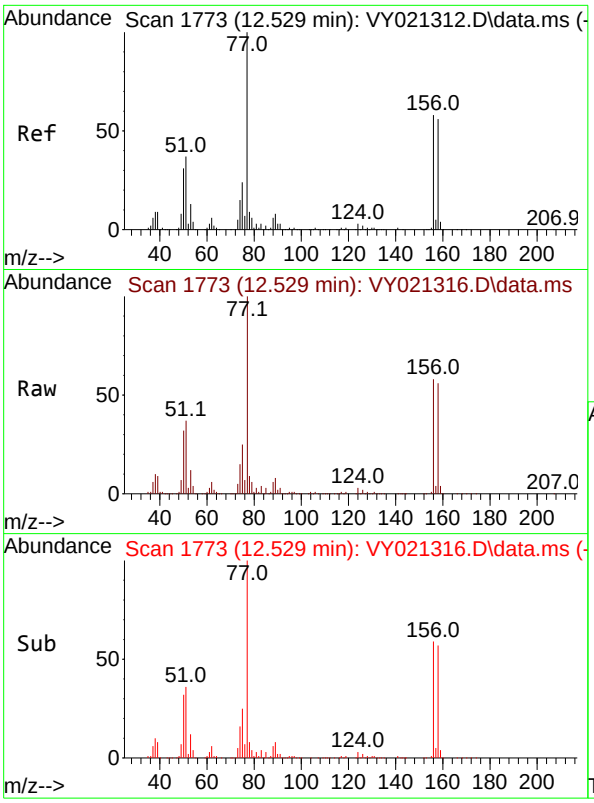



#76
1,2,3-Trichloropropane
Concen: 94.206 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 123844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

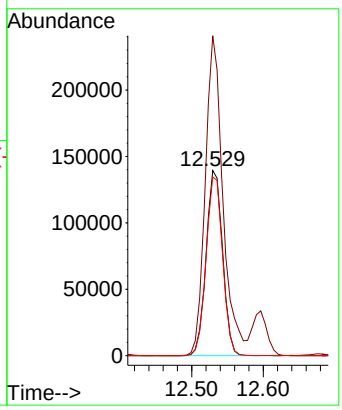





#77
Bromobenzene
Concen: 97.728 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:156 Resp: 22308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 184.2 | 94.0 | 282.1 |
| 158 | 96.9 | 48.7 | 146.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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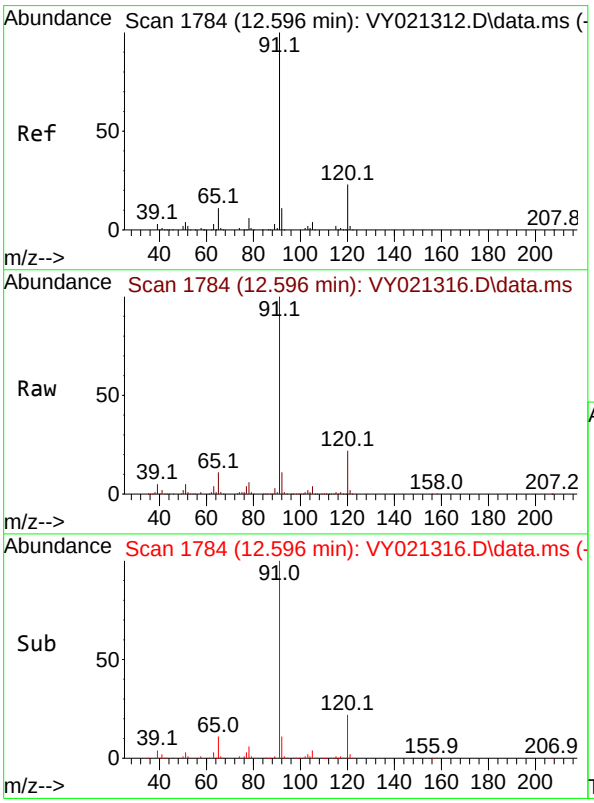
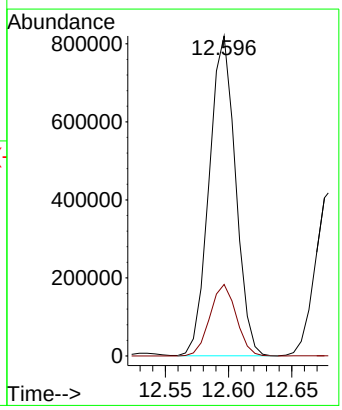
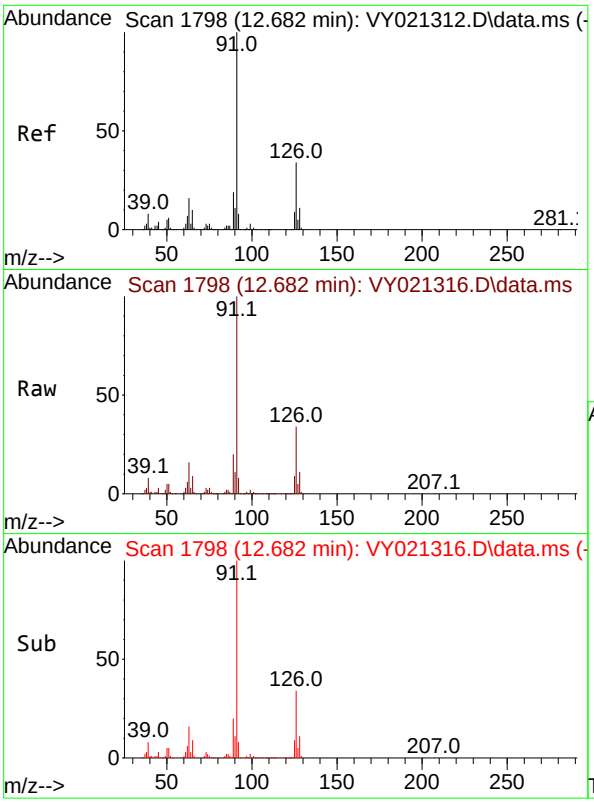



#78
n-propylbenzene
Concen: 99.651 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 1186751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.2 | 33.5 |

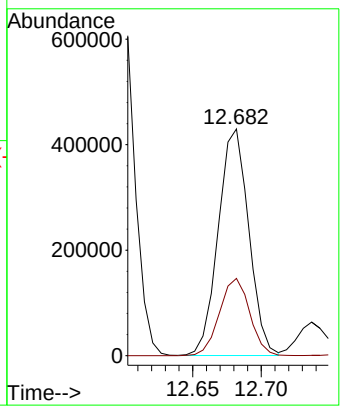





#79
2-Chlorotoluene
Concen: 97.455 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 66607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.9 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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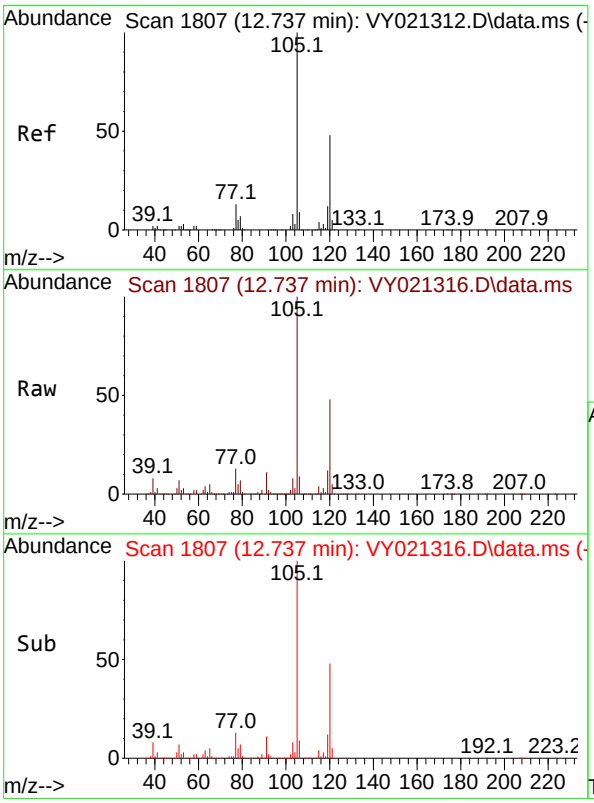
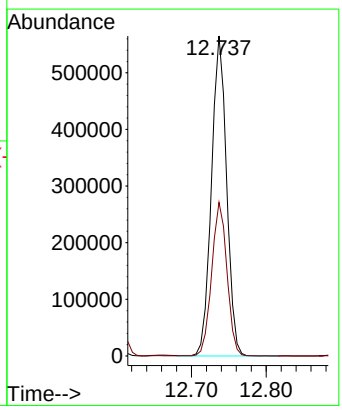
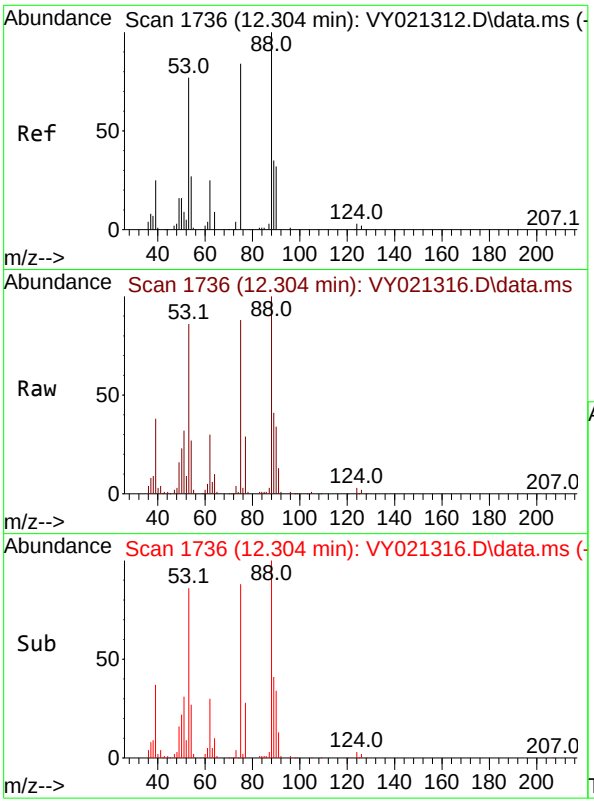



#80
1,3,5-Trimethylbenzene
Concen: 98.676 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 794247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.3 | 73.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 100.031 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 5880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.2 | 79.1 | 118.7 |
| 89 | 46.7 | 35.6 | 53.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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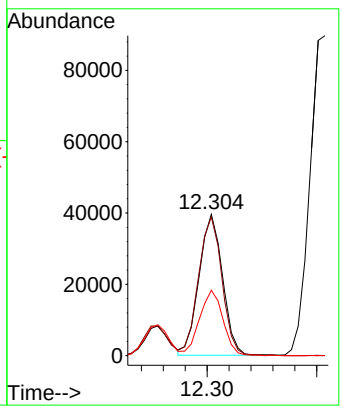
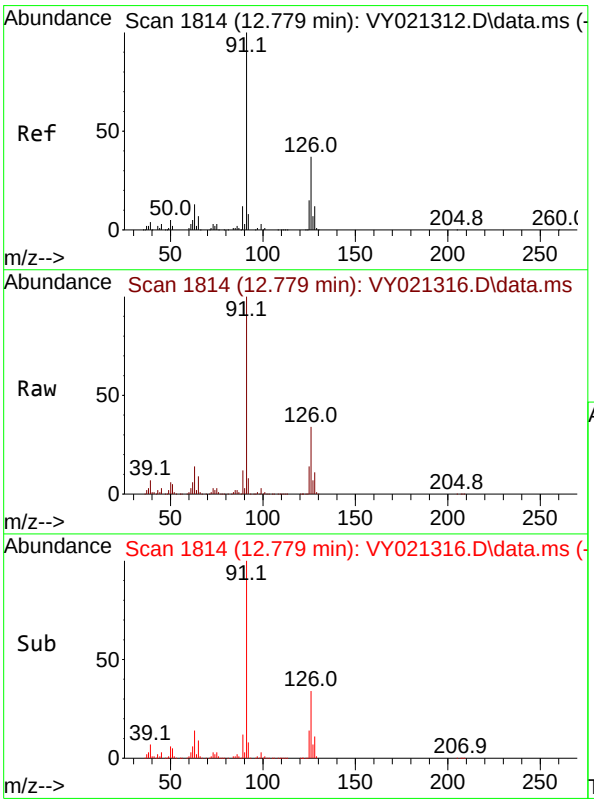
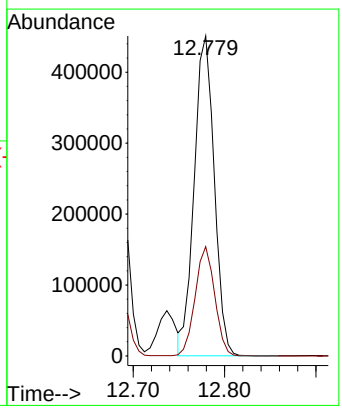


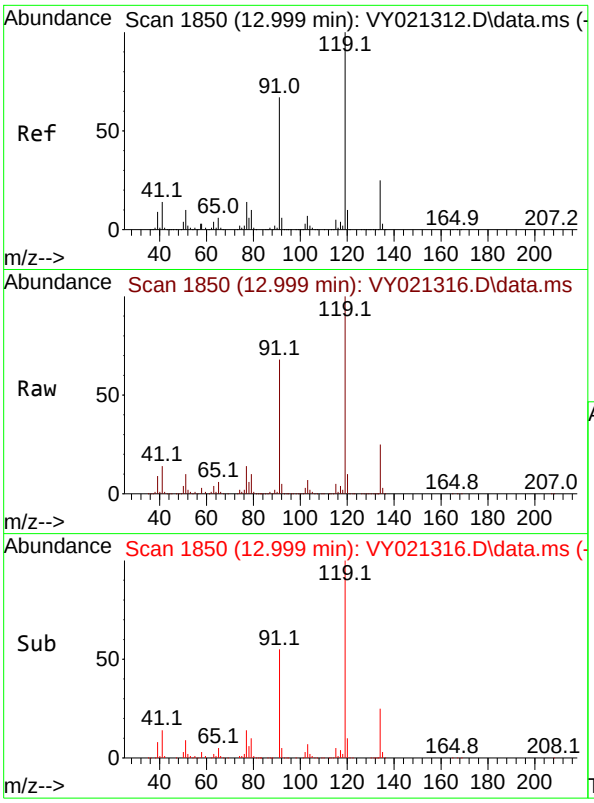




#82
4-Chlorotoluene
Concen: 97.022 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 687385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.8 | 50.4 |

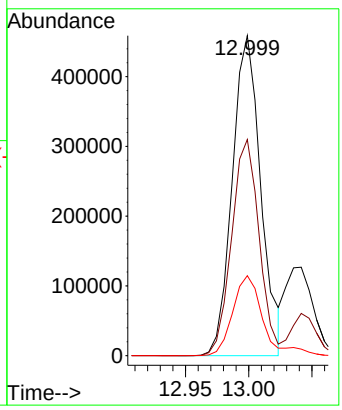





#83
tert-Butylbenzene
Concen: 99.092 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 72048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.1 | 32.7 | 98.1 |
| 134 | 26.5 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

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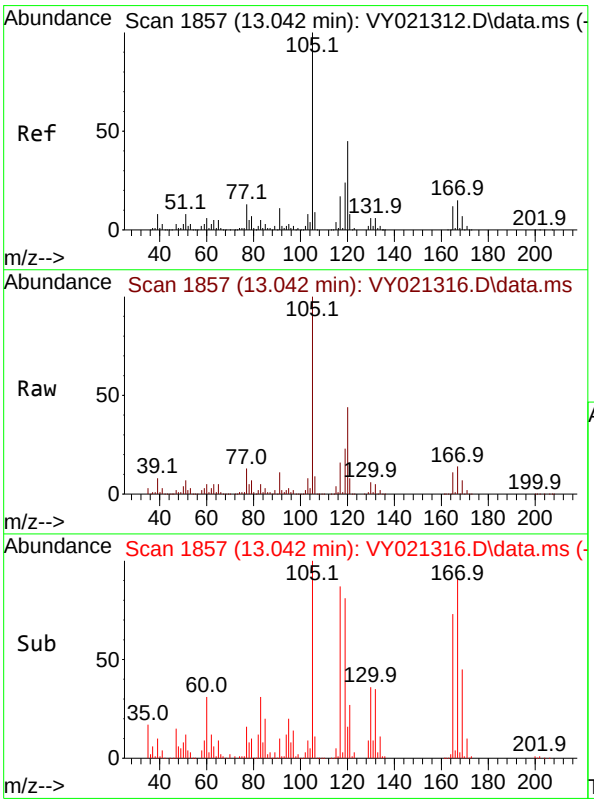
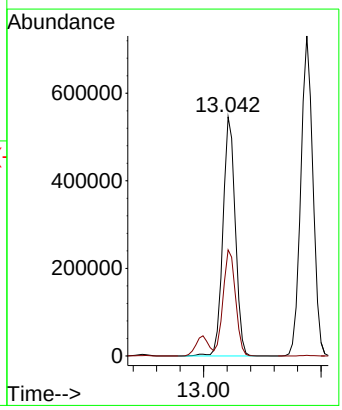
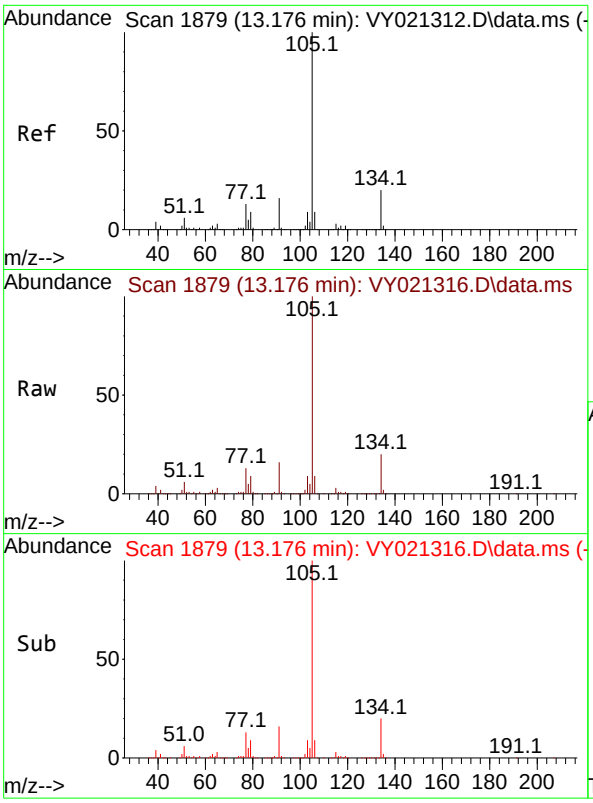



#84
1,2,4-Trimethylbenzene
Concen: 99.415 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 795840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 22.4 | 67.3 |

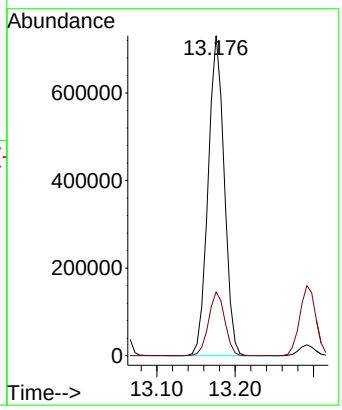





#85
sec-Butylbenzene
Concen: 98.021 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 104102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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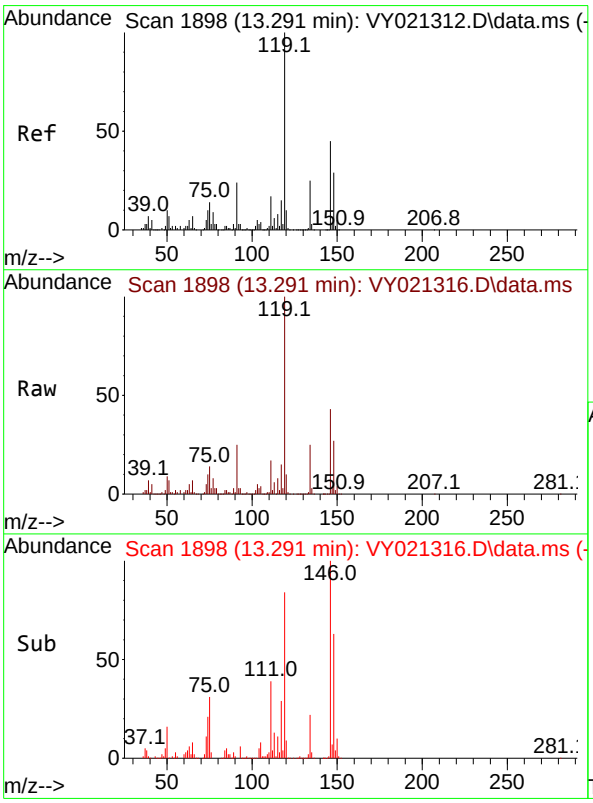
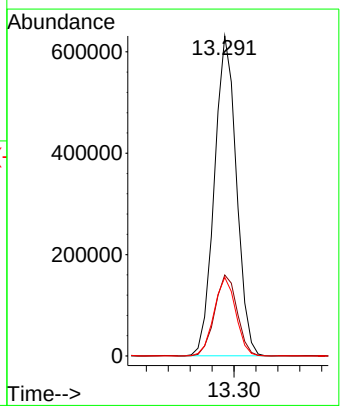
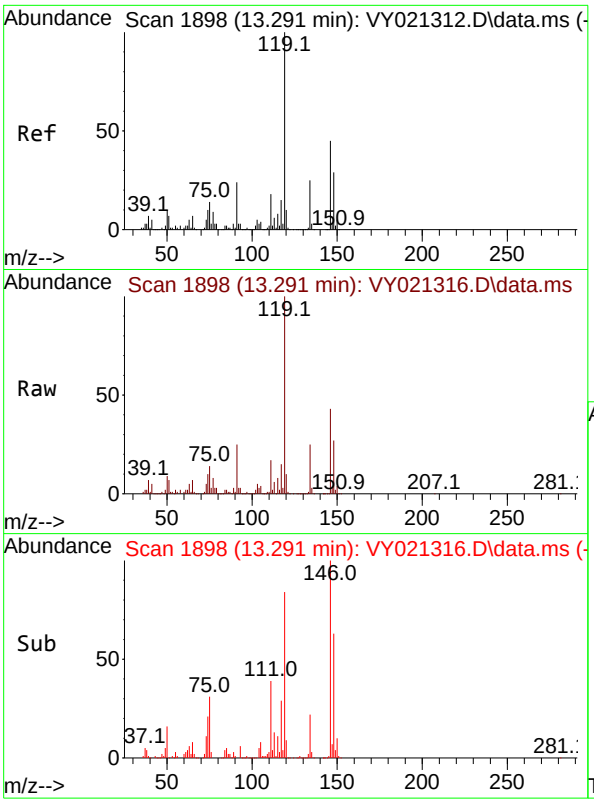



#86
p-Isopropyltoluene
Concen: 99.431 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 881757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 13.0 | 38.9 |
| 91 | 24.3 | 12.0 | 36.1 |

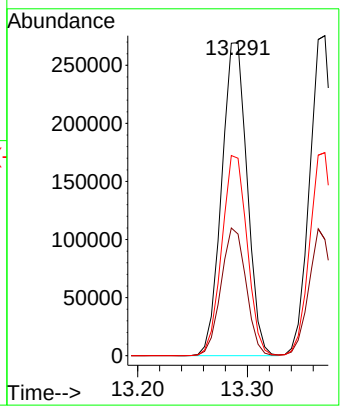





#87
1,3-Dichlorobenzene
Concen: 96.445 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 43548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.1 | 20.0 | 59.9 |
| 148 | 63.6 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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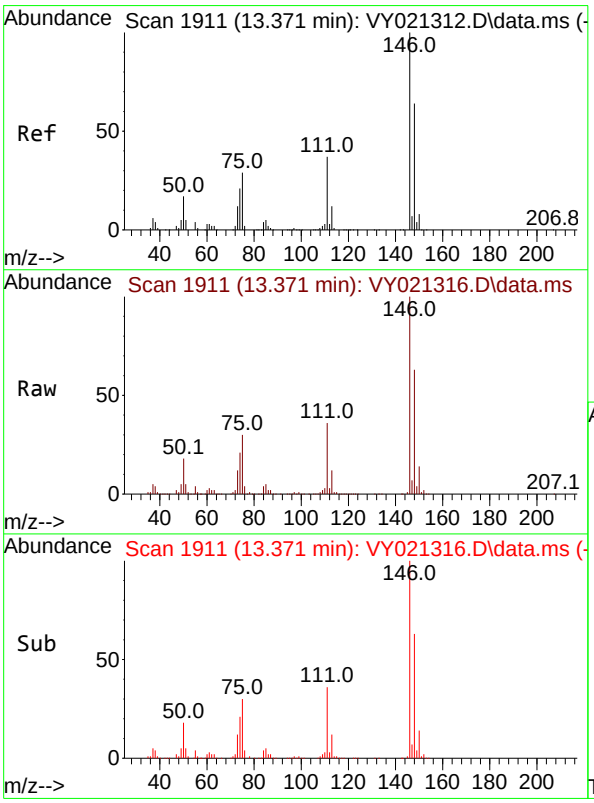
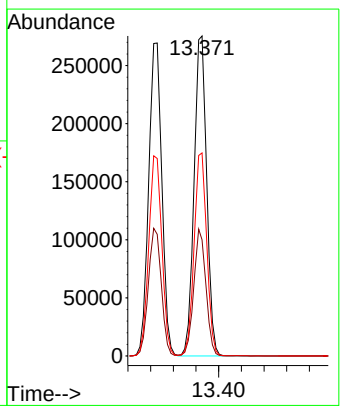
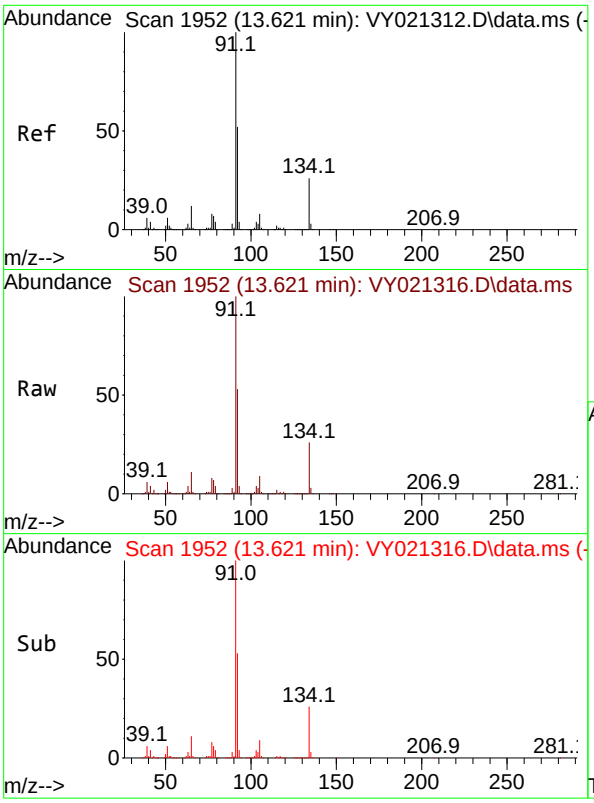



#88
1,4-Dichlorobenzene
Concen: 95.343 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 425301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.2 | 19.5 | 58.5 |
| 148 | 63.7 | 32.0 | 96.2 |

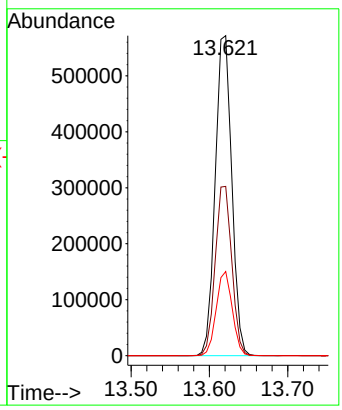





#89
n-Butylbenzene
Concen: 100.683 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 84023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.4 | 79.2 |
| 134 | 25.5 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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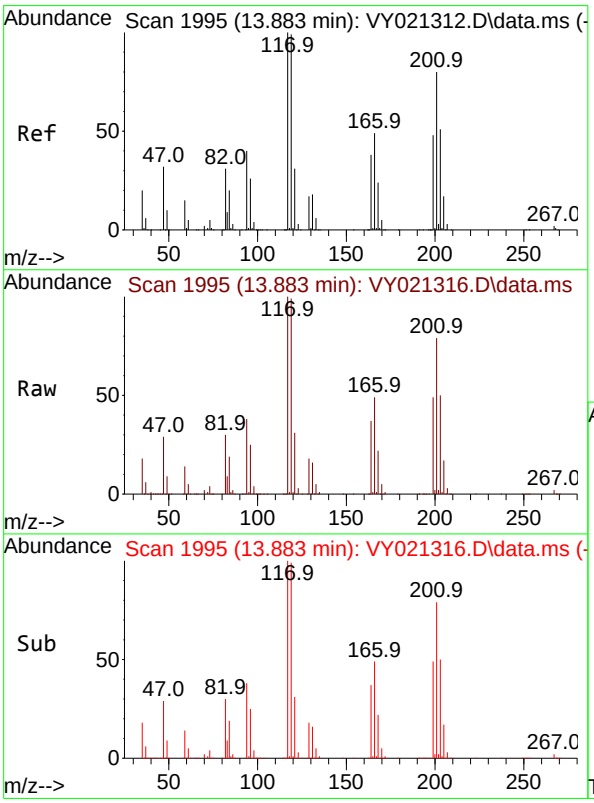
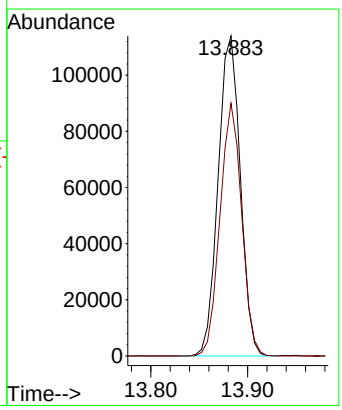
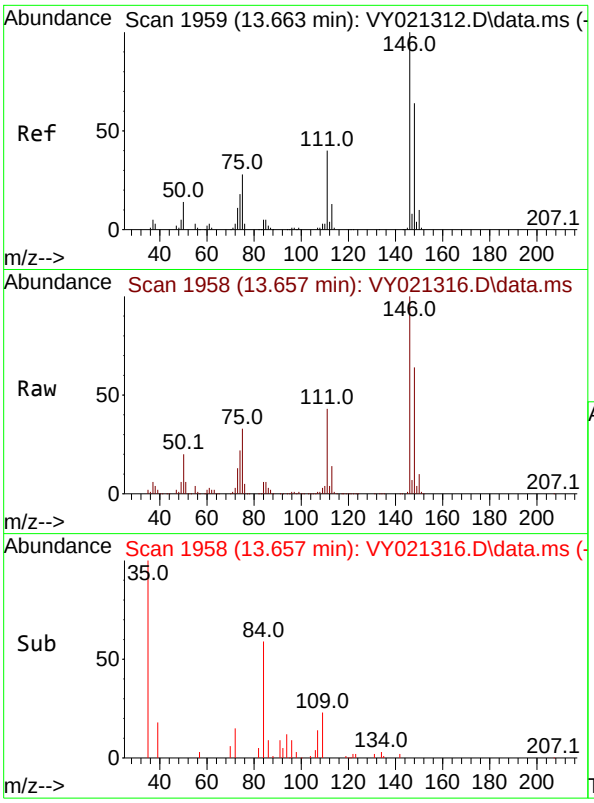



#90
Hexachloroethane
Concen: 97.720 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 181015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 77.1 | 38.4 | 115.2 |

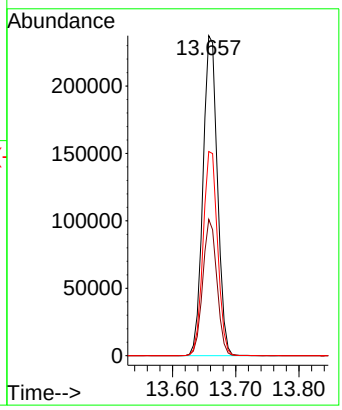





#91
1,2-Dichlorobenzene
Concen: 95.410 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 37745

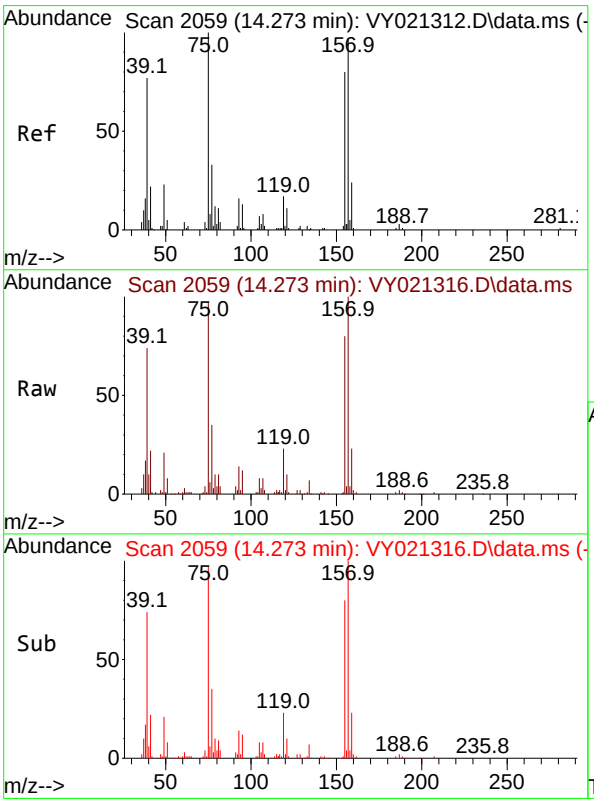
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.7 | 20.7 | 62.1 |
| 148 | 64.1 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

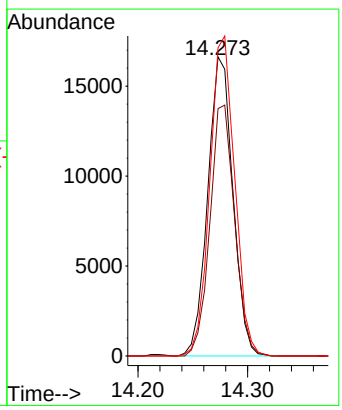
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

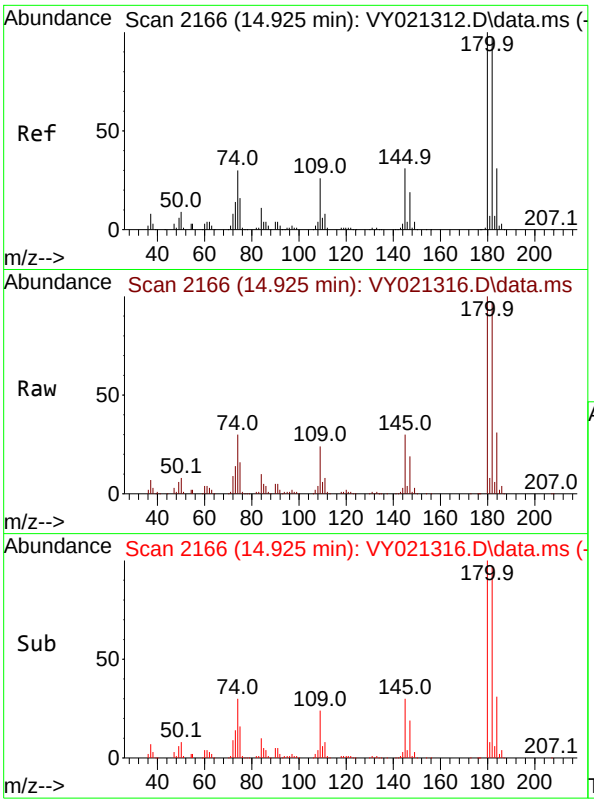



#92
1,2-Dibromo-3-Chloropropane
Concen: 96.867 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 26541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.1 | 41.9 | 125.6 |
| 157 | 105.5 | 52.5 | 157.6 |

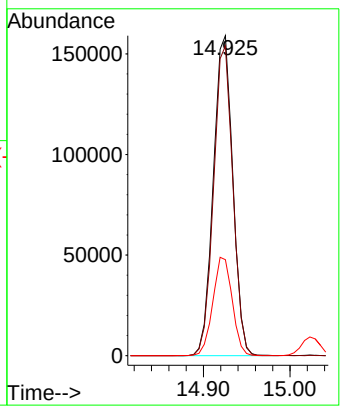





#93
1,2,4-Trichlorobenzene
Concen: 102.770 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 24814

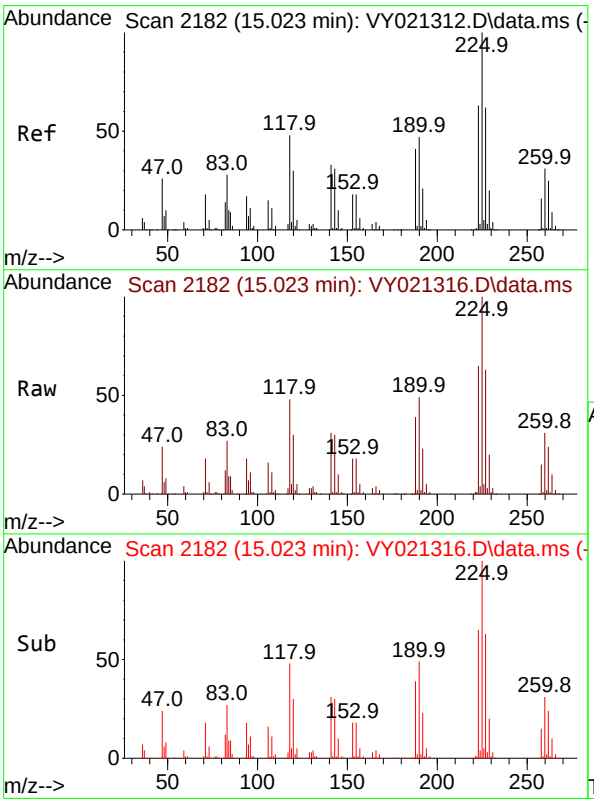
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 47.9 | 143.7 |
| 145 | 30.6 | 15.6 | 46.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

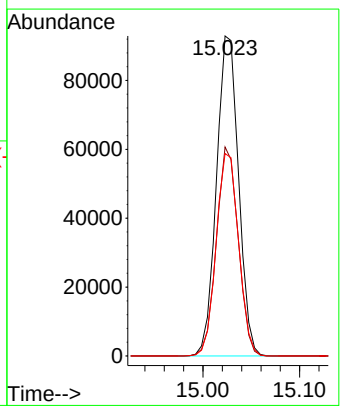
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

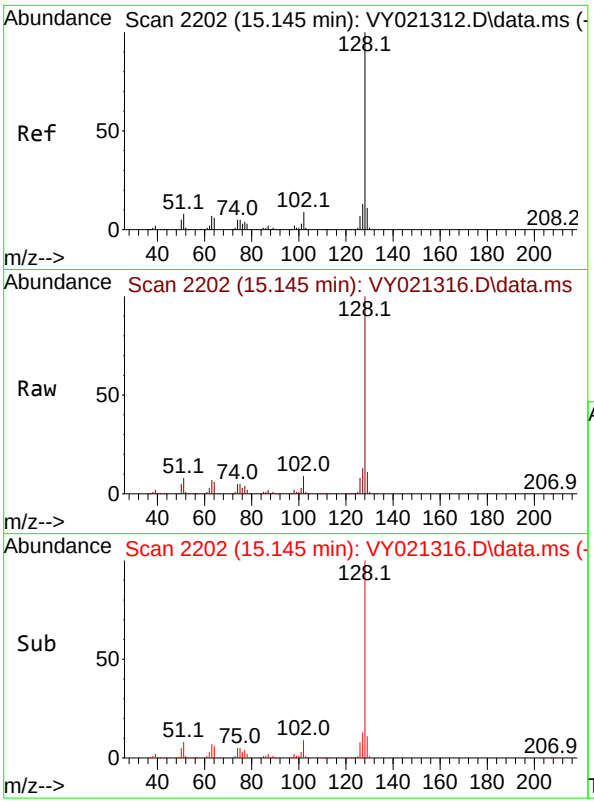



#94
Hexachlorobutadiene
Concen: 96.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:225 Resp: 147103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.4 | 31.8 | 95.4 |
| 227 | 64.4 | 31.9 | 95.7 |

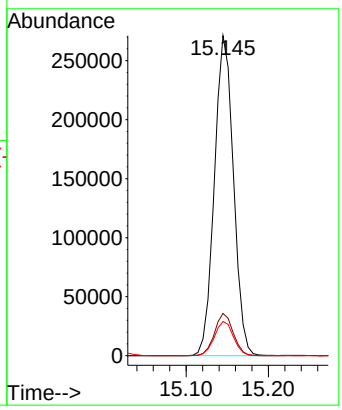





#95
Naphthalene
Concen: 109.220 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:128 Resp: 43681

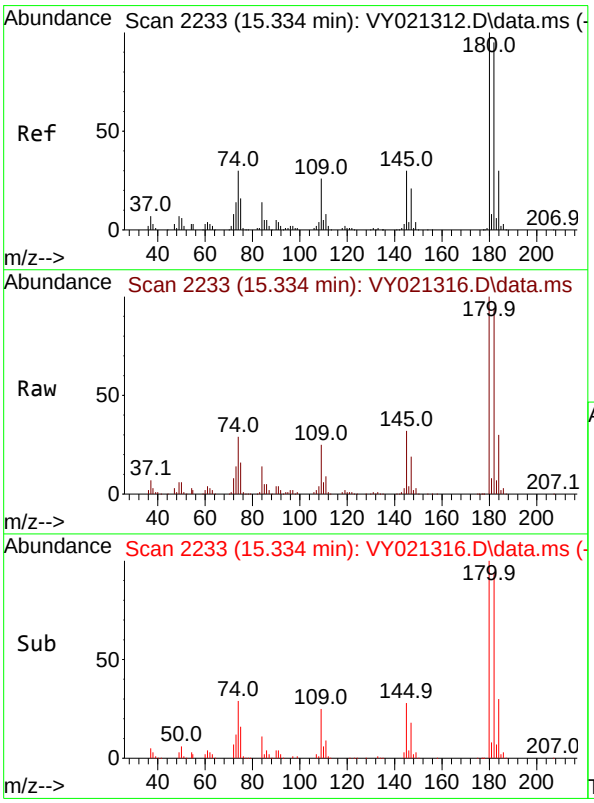
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.5 | 15.7 |
| 129 | 10.7 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

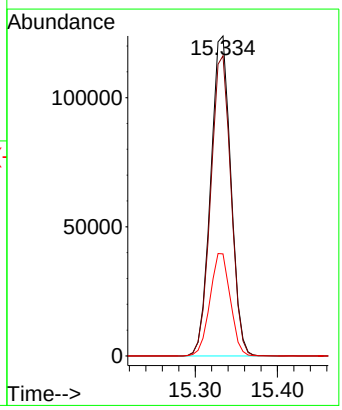
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 103.581 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 211313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.0 | 48.3 | 144.9 |
| 145 | 32.3 | 16.1 | 48.3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 183832 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 292214 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 257123 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 126299 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 98960 | 47.453 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 94.900% | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 93944 | 49.037 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 98.080% | | |
| 50) Toluene-d8 | 10.109 | 98 | 360528 | 48.694 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 97.380% | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 120972 | 48.549 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = | 97.100% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 93894 | 53.871 | ug/l | 98 |
| 3) Chloromethane | 2.068 | 50 | 120479 | 53.523 | ug/l | 100 |
| 4) Vinyl Chloride | 2.202 | 62 | 121922 | 55.184 | ug/l | 98 |
| 5) Bromomethane | 2.598 | 94 | 77054 | 52.483 | ug/l | 100 |
| 6) Chloroethane | 2.732 | 64 | 75086 | 54.804 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.062 | 101 | 178123 | 53.384 | ug/l | 94 |
| 8) Diethyl Ether | 3.458 | 74 | 54929 | 54.849 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 104678 | 54.188 | ug/l | 98 |
| 10) Methyl Iodide | 4.007 | 142 | 124707 | 61.361 | ug/l | 100 |
| 11) Tert butyl alcohol | 4.848 | 59 | 35572 | 221.762 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 100075 | 54.104 | ug/l | 98 |
| 13) Acrolein | 3.653 | 56 | 6337 | 51.554 | ug/l | 95 |
| 14) Allyl chloride | 4.385 | 41 | 181554 | 55.361 | ug/l | 99 |
| 15) Acrylonitrile | 5.055 | 53 | 118343 | 267.274 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 90886 | 227.197 | ug/l | 99 |
| 17) Carbon Disulfide | 4.104 | 76 | 335241 | 54.581 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 51200 | 52.372 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 265419 | 54.311 | ug/l | 97 |
| 20) Methylene Chloride | 4.616 | 84 | 110456 | 51.062 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.116 | 96 | 112082 | 55.044 | ug/l | 99 |
| 22) Diisopropyl ether | 6.018 | 45 | 377281 | 55.595 | ug/l | 99 |
| 23) Vinyl Acetate | 5.957 | 43 | 1116005 | 275.197 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 210383 | 55.004 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 152895 | 253.246 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 187045 | 53.893 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 130921 | 56.305 | ug/l | 98 |
| 28) Bromochloromethane | 7.244 | 49 | 80309 | 47.452 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 102673 | 260.172 | ug/l | 99 |
| 30) Chloroform | 7.421 | 83 | 213255 | 55.023 | ug/l | 98 |
| 31) Cyclohexane | 7.701 | 56 | 191850 | 52.180 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 194325 | 55.084 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 157102 | 54.593 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 72810 | 50.864 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 175208 | 54.157 | ug/l | 99 |
| 39) Methylcyclohexane | 9.109 | 83 | 197993 | 54.397 | ug/l | 99 |
| 40) Benzene | 8.079 | 78 | 464323 | 54.583 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 39412 | 49.244 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 129718 | 53.746 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.195 | 43 | 145128 | 52.380 | ug/l | # | 87 |
| 44) Trichloroethene | 8.865 | 130 | 116988 | 54.930 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 111498 | 54.464 | ug/l | | 99 |
| 46) Dibromomethane | 9.231 | 93 | 61031 | 54.539 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 162580 | 54.489 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.219 | 41 | 71360 | 55.076 | ug/l | | 99 |
| 49) 1,4-Dioxane | 9.225 | 88 | 13103 | 1053.076 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 372486 | 262.628 | ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 294219 | 55.674 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 152263 | 55.699 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 178951 | 55.451 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 77645 | 53.263 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.438 | 69 | 112155 | 55.679 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 139257 | 54.438 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 221395 | 228.990 | ug/l | | 100 |
| 59) 2-Hexanone | 10.761 | 43 | 246032 | 264.133 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.914 | 129 | 107866 | 54.329 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 74447 | 53.942 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 102887 | 52.940 | ug/l | | 95 |
| 65) Chlorobenzene | 11.444 | 112 | 314040 | 54.410 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 110179 | 54.517 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.517 | 91 | 572425 | 55.992 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.627 | 106 | 427892 | 111.274 | ug/l | | 99 |
| 69) o-Xylene | 11.956 | 106 | 202123 | 56.108 | ug/l | | 99 |
| 70) Styrene | 11.969 | 104 | 337489 | 56.307 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 61959 | 53.590 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.255 | 105 | 540978 | 56.974 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 133968 | 55.509 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 89240 | 53.254 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 56345m | 44.570 | ug/l | | |
| 77) Bromobenzene | 12.536 | 156 | 122121 | 55.296 | ug/l | | 98 |
| 78) n-propylbenzene | 12.597 | 91 | 654255 | 56.783 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 369065 | 55.813 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 440379 | 56.549 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 30268 | 53.216 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 375340 | 54.757 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 393228 | 55.900 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 438538 | 56.621 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 571874 | 55.655 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 484140 | 56.427 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 239404 | 54.800 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 233477 | 54.098 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 459065 | 56.856 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 98634 | 55.035 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 208776 | 54.545 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 13821 | 52.137 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 132464 | 56.703 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 78745 | 53.541 | ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 222839 | 57.589 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 112466 | 56.980 | ug/l | | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

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

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

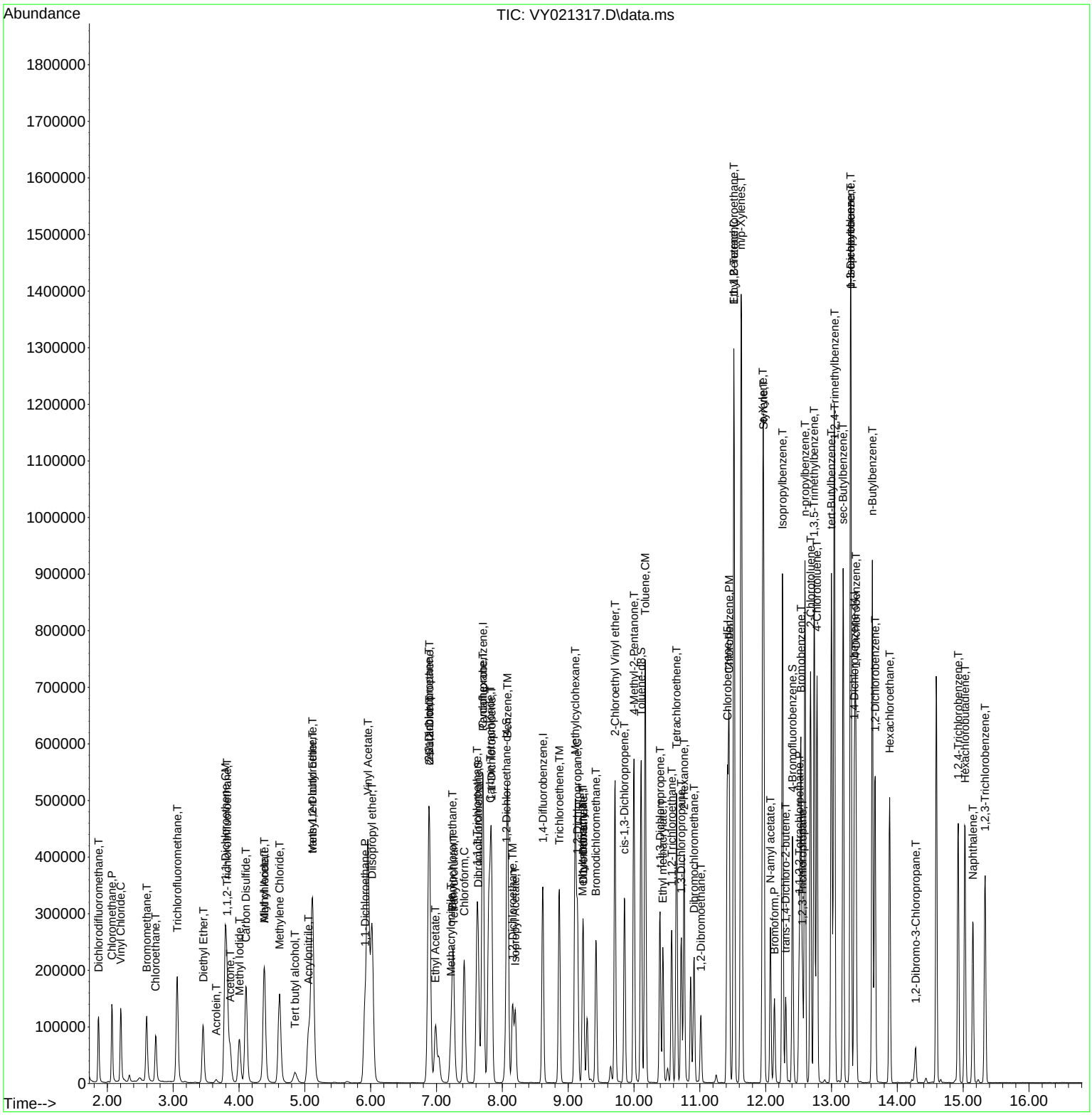
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

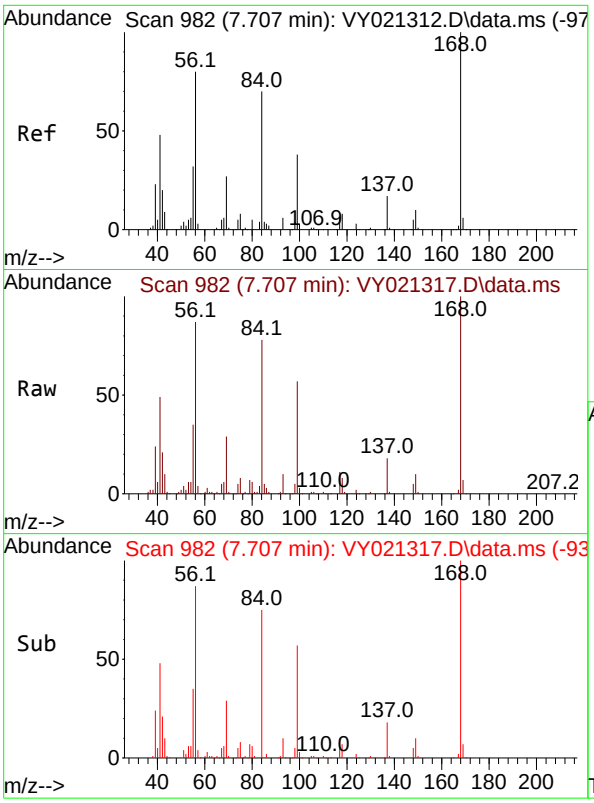
Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

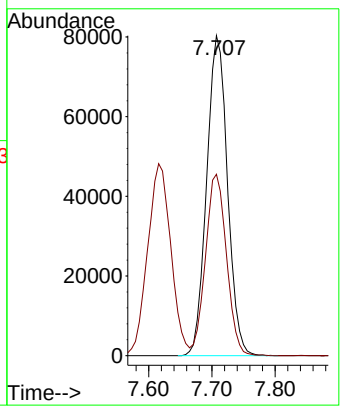





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:168 Resp: 18383

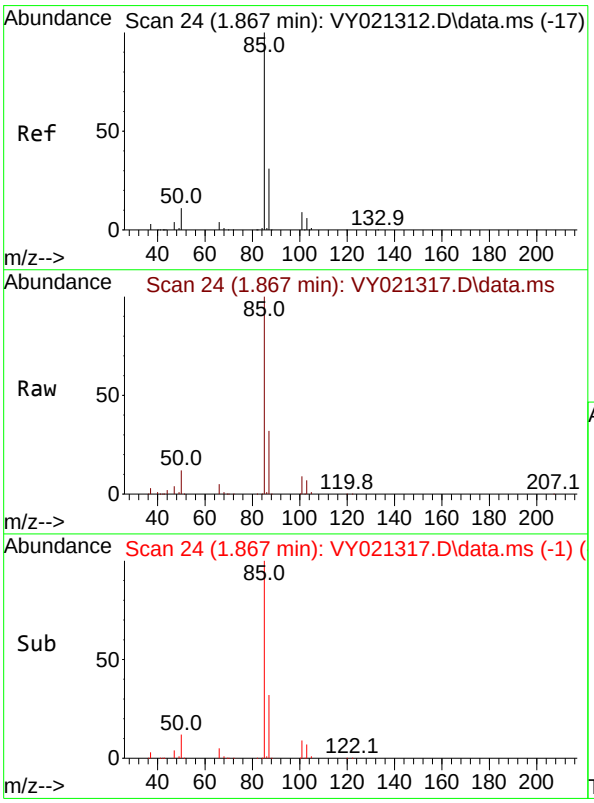
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.7 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
**APPROVED**

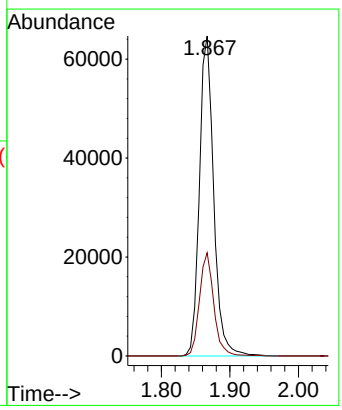
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

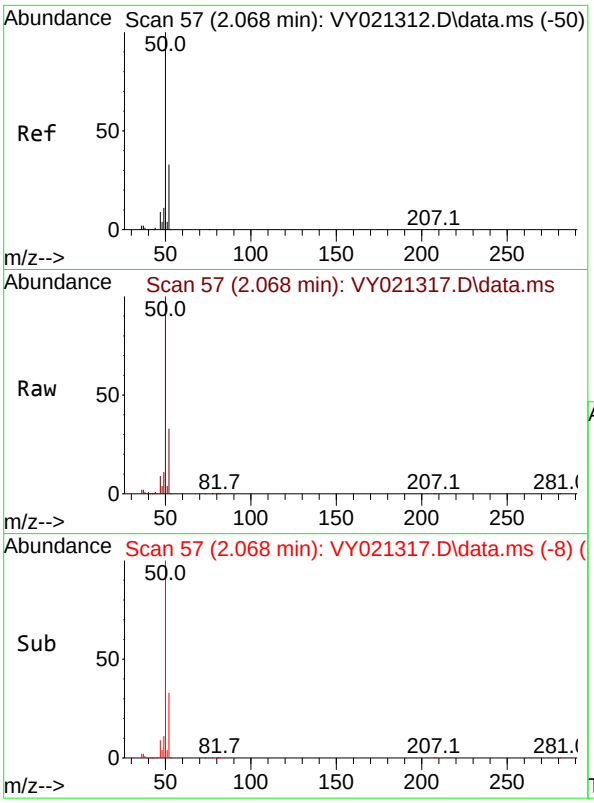



#2
Dichlorodifluoromethane
Concen: 53.871 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 85 Resp: 93894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 15.4 | 46.4 |

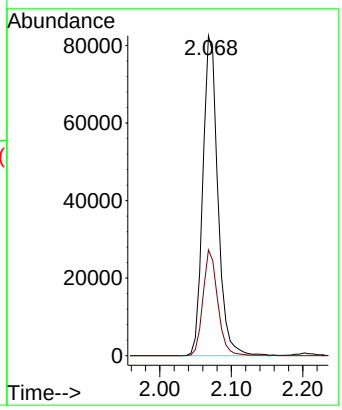





#3
Chloromethane
Concen: 53.523 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 50 Resp: 12047

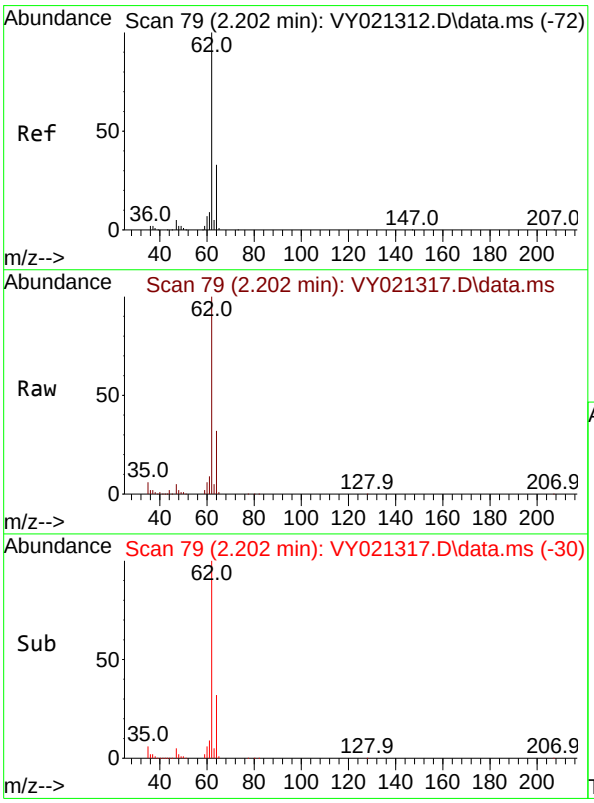
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.0 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
**APPROVED**

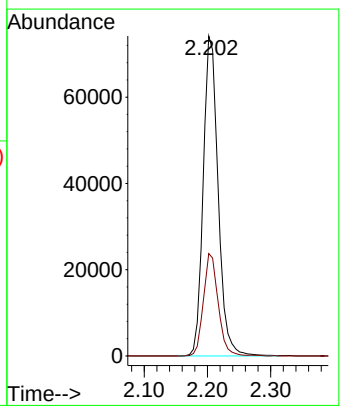
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

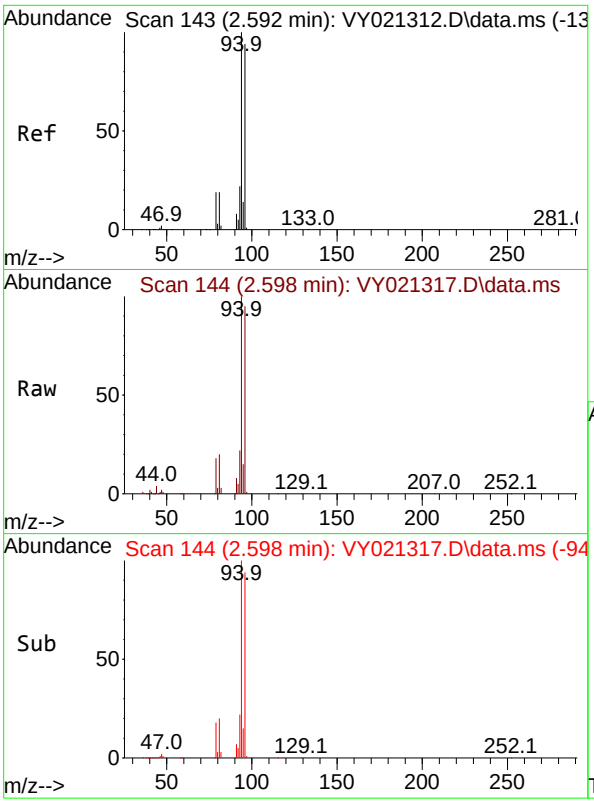



#4
Vinyl Chloride
Concen: 55.184 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 121922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 26.3 | 39.5 |






#5
Bromomethane
Concen: 52.483 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

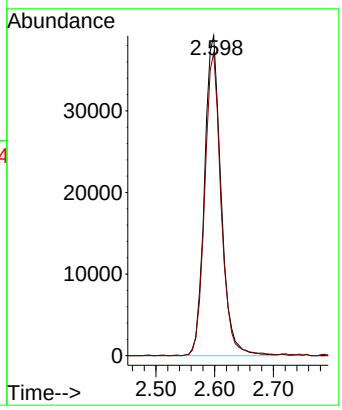
Tgt Ion: 94 Resp: 7705

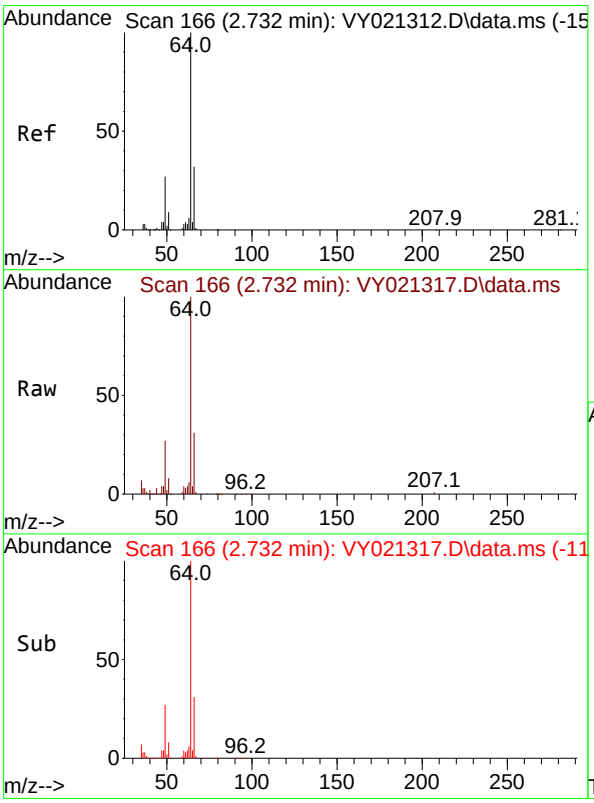
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.4 | 75.2 | 112.8 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

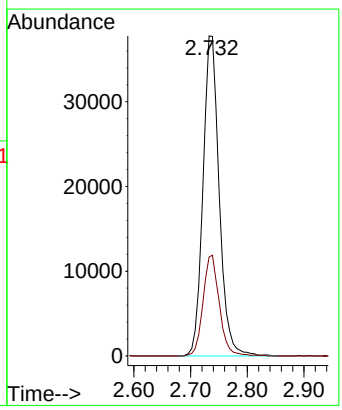


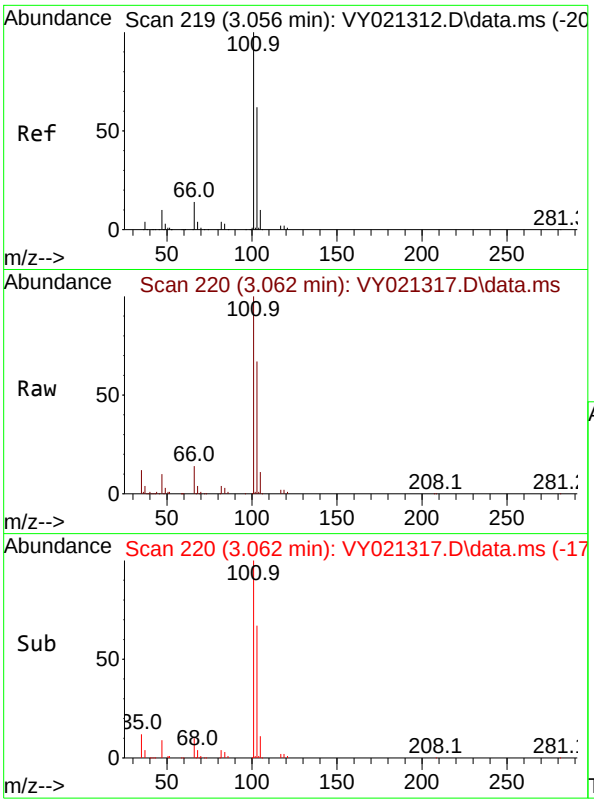




#6
Chloroethane
Concen: 54.804 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 64 Resp: 75086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.9 | 25.4 | 38.0 |

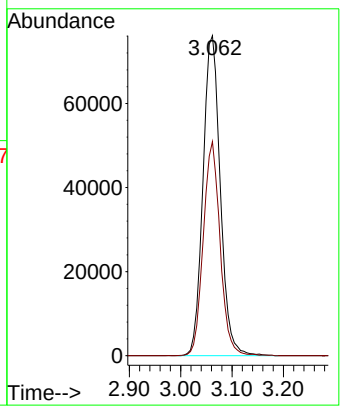





#7
Trichlorofluoromethane
Concen: 53.384 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:101 Resp: 17812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.9 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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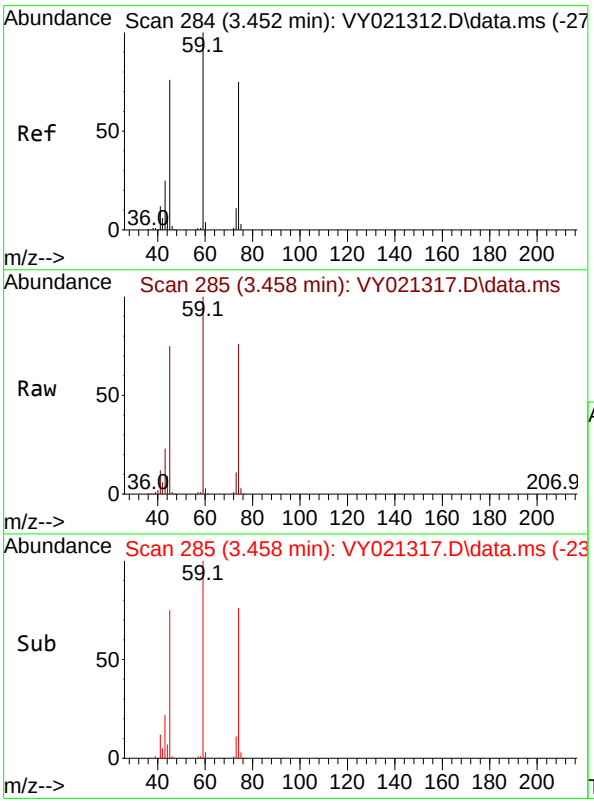
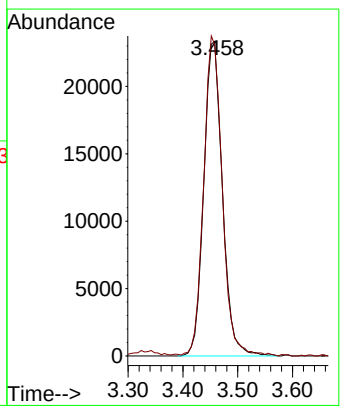
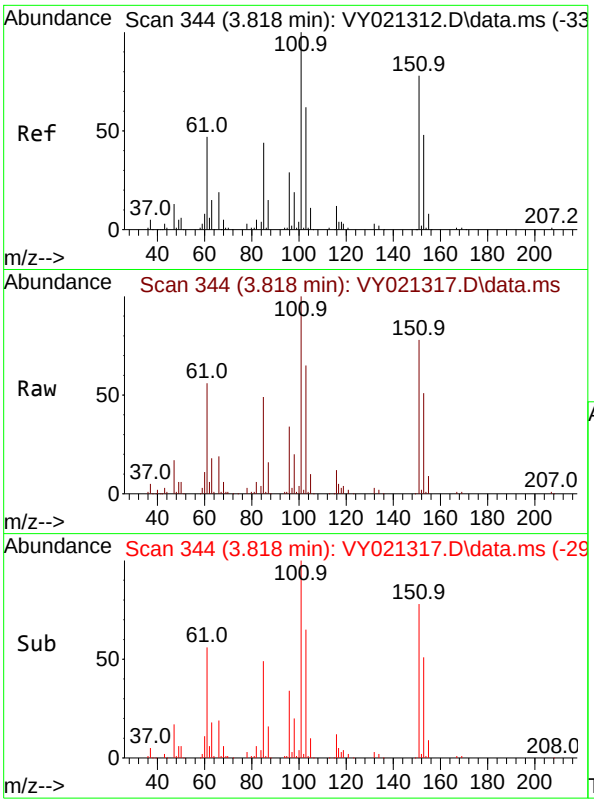



#8
Diethyl Ether
Concen: 54.849 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 74 Resp: 54929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.8 | 50.3 | 150.9 |

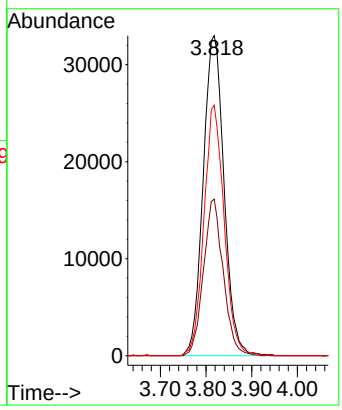





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.188 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:101 Resp: 10467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.2 | 36.7 | 55.1 |
| 151 | 75.8 | 62.6 | 94.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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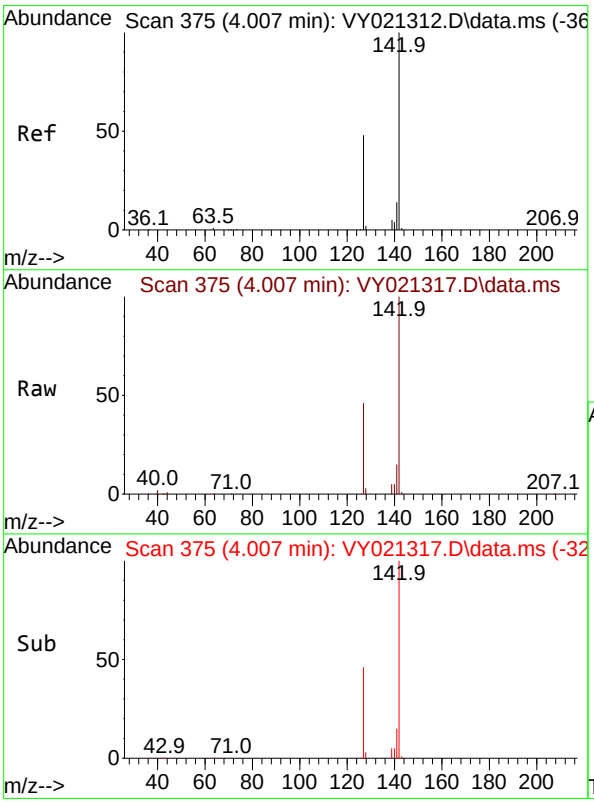
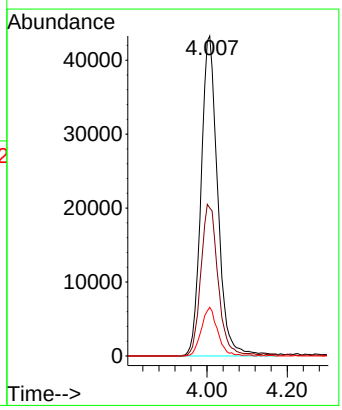
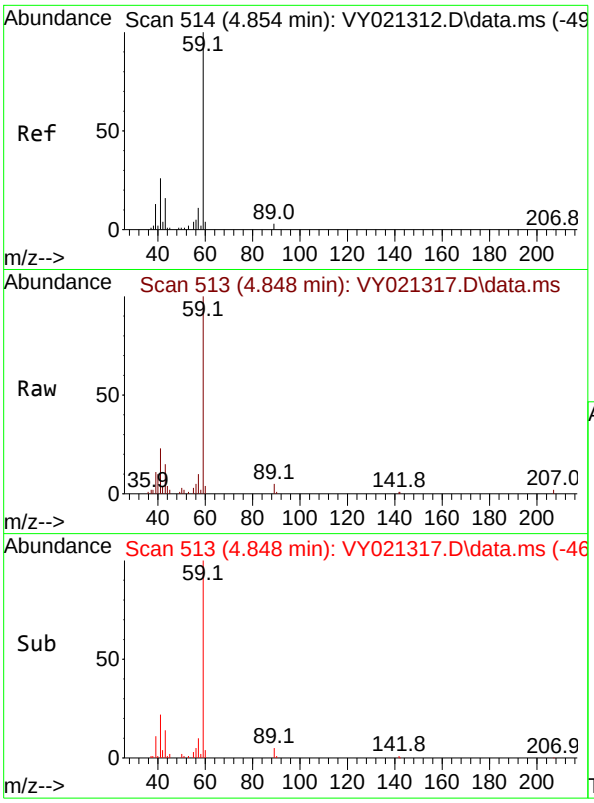



#10
Methyl Iodide
Concen: 61.361 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:142 Resp: 124707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.0 | 39.2 | 58.8 |
| 141 | 14.8 | 11.4 | 17.2 |

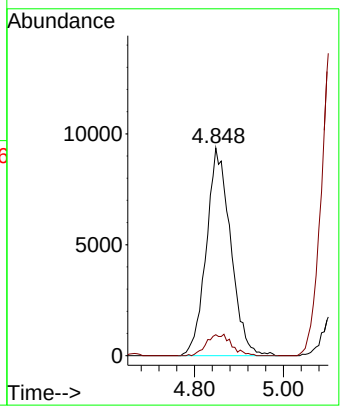





#11
Tert butyl alcohol
Concen: 221.762 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 59 Resp: 3557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.3 | 12.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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Reviewed By :Romaben Patel 02/26/2025
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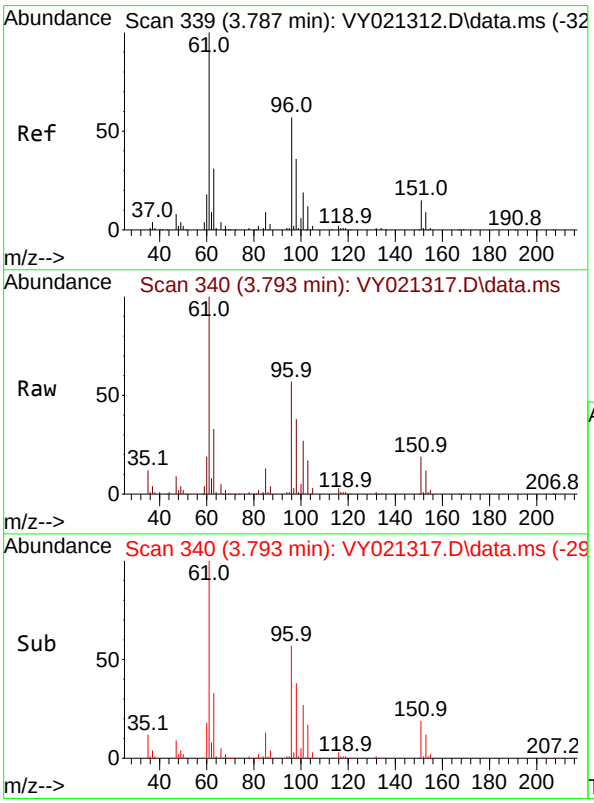
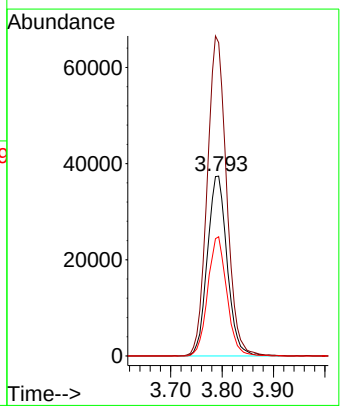
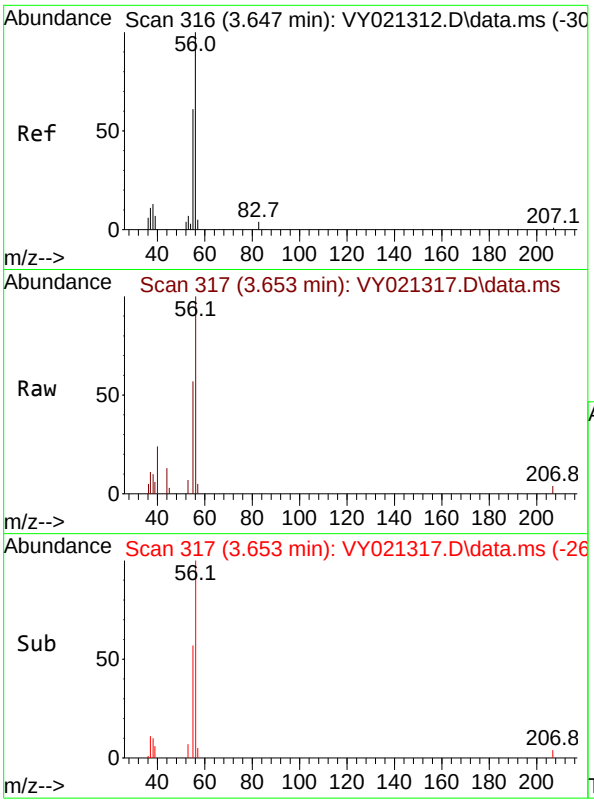



#12
1,1-Dichloroethene
Concen: 54.104 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 100075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.2 | 139.7 | 209.5 |
| 98 | 66.3 | 49.7 | 74.5 |

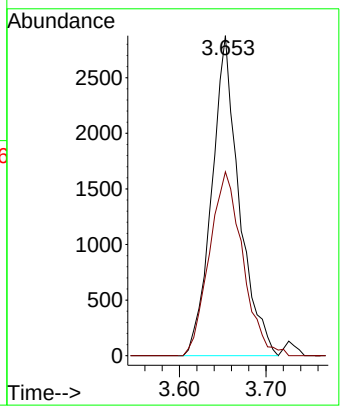





#13
Acrolein
Concen: 51.554 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 56 Resp: 633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.9 | 59.0 | 88.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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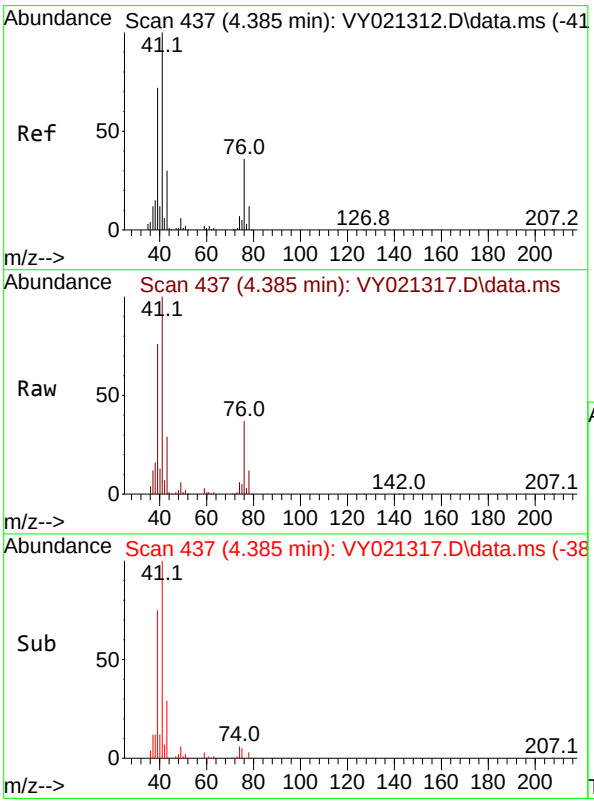
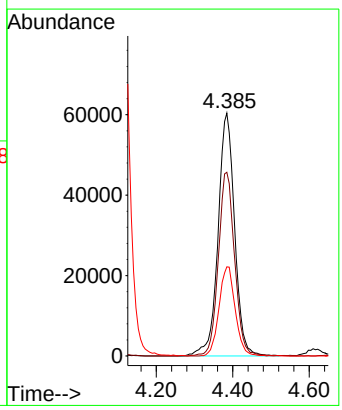
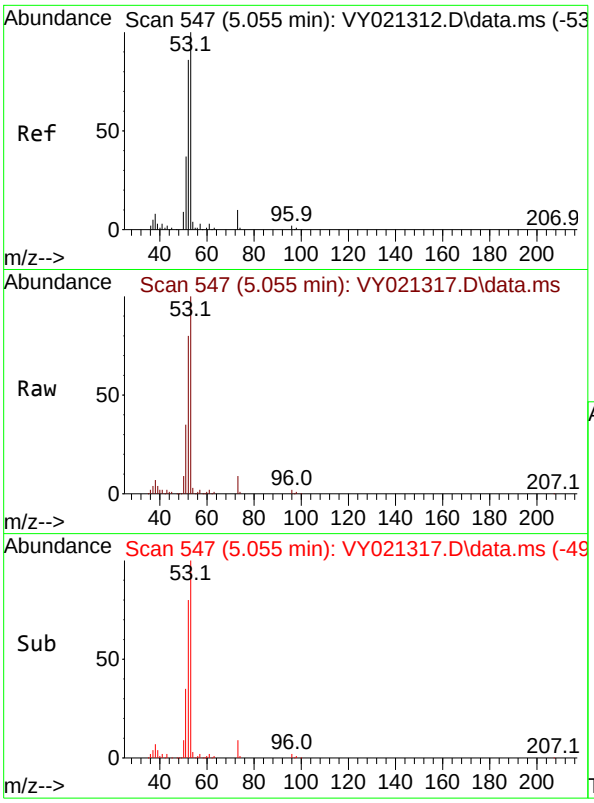



#14
Allyl chloride
Concen: 55.361 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 181554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.4 | 60.0 | 90.0 |
| 76 | 35.8 | 29.0 | 43.6 |






#15
Acrylonitrile
Concen: 267.274 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 53 Resp: 11834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.2 | 65.5 | 98.3 |
| 51 | 37.1 | 30.6 | 46.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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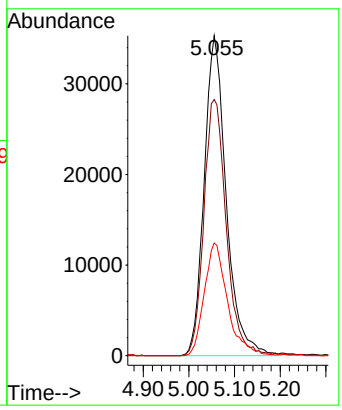
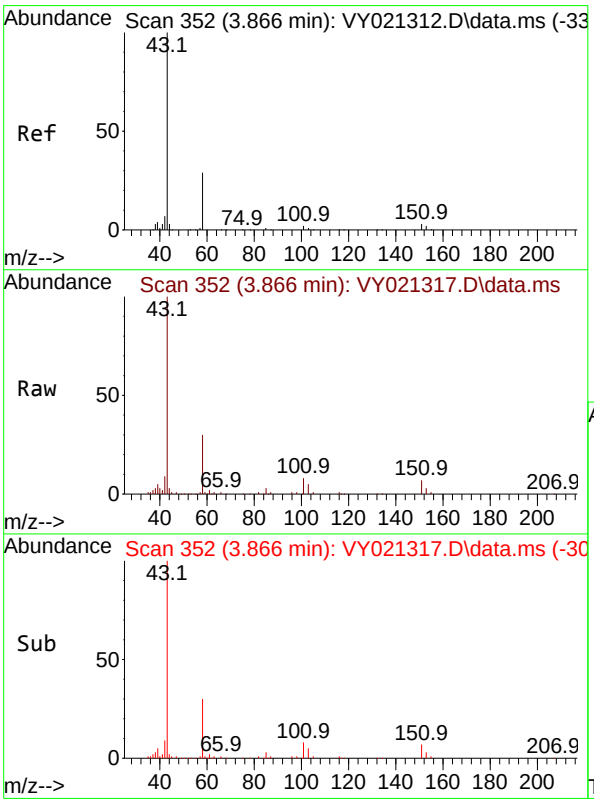
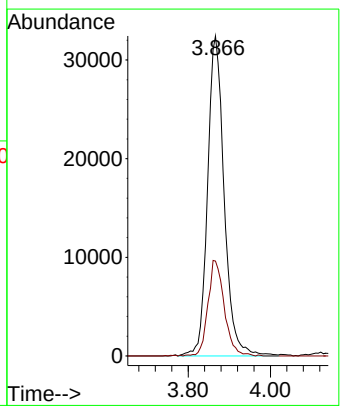


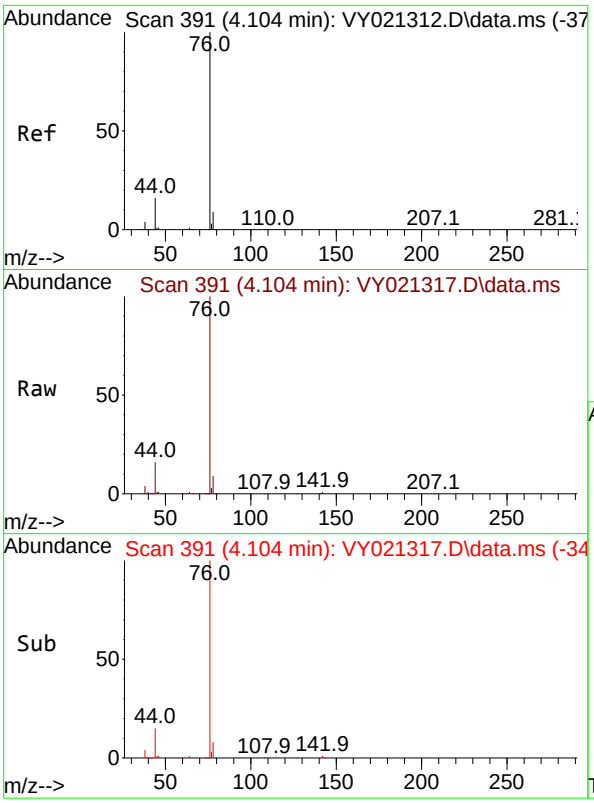




#16
Acetone
Concen: 227.197 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 90886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.7 | 23.5 | 35.3 |

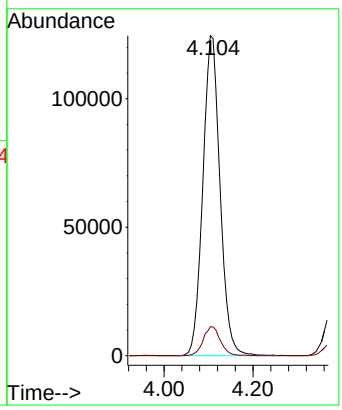





#17
Carbon Disulfide
Concen: 54.581 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 76 Resp: 33524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

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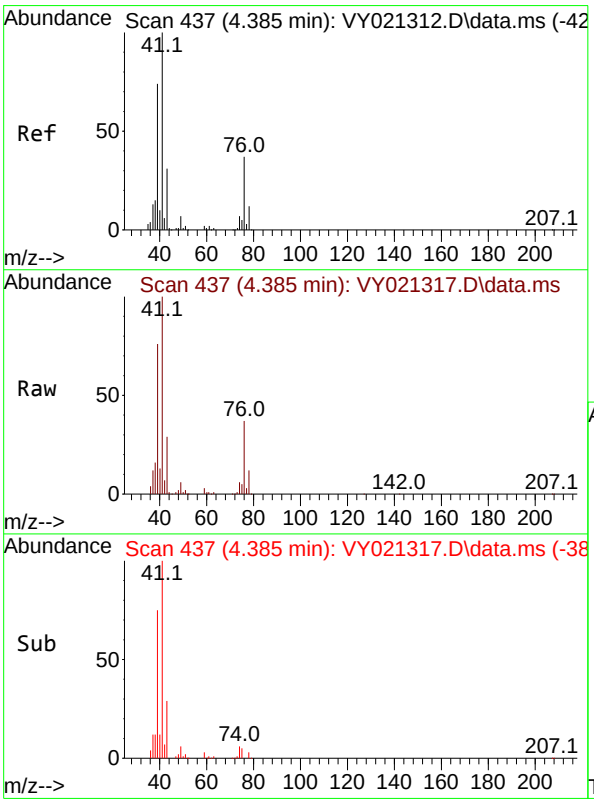
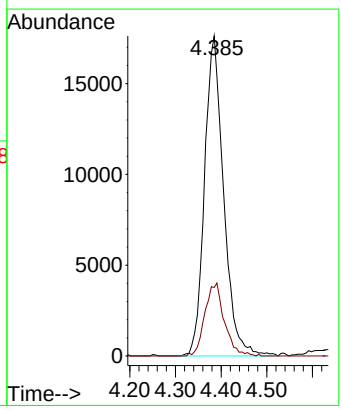
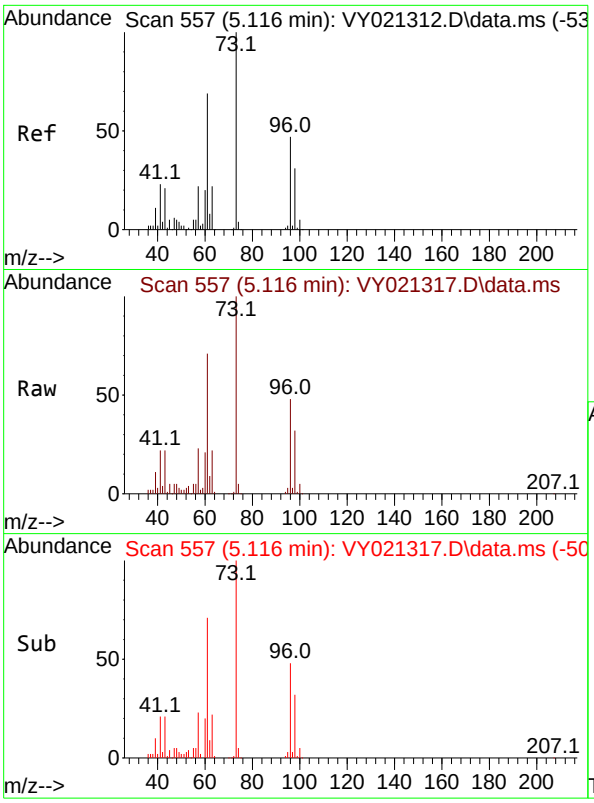



#18
Methyl Acetate
Concen: 52.372 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 51200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.2 | 17.7 | 26.5 |

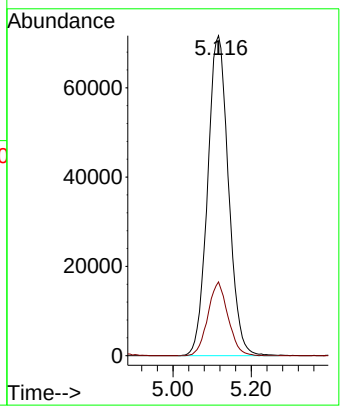





#19
Methyl tert-butyl Ether
Concen: 54.311 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 73 Resp: 26541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.0 | 17.4 | 26.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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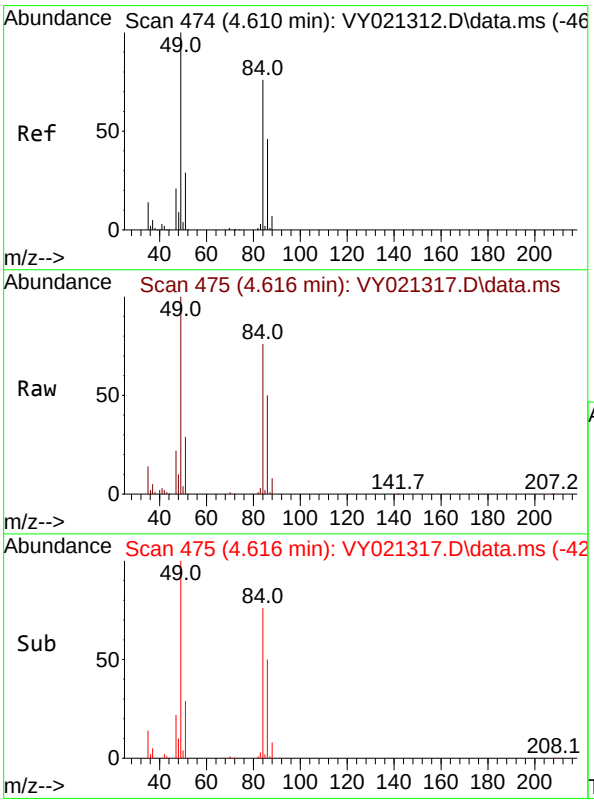
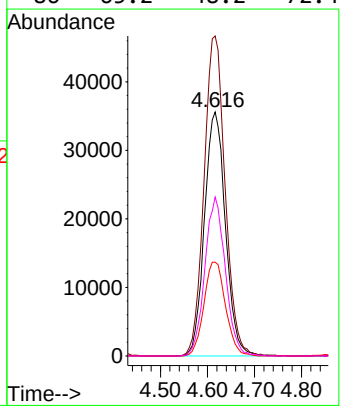
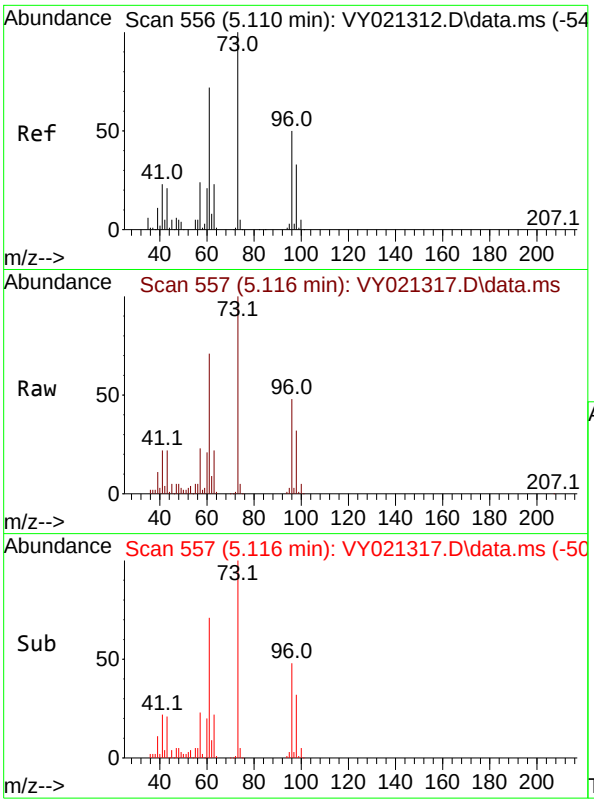



#20
Methylene Chloride
Concen: 51.062 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 84 Resp: 110456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.2 | 105.1 | 157.7 |
| 51 | 38.4 | 31.0 | 46.4 |
| 86 | 65.2 | 48.2 | 72.4 |

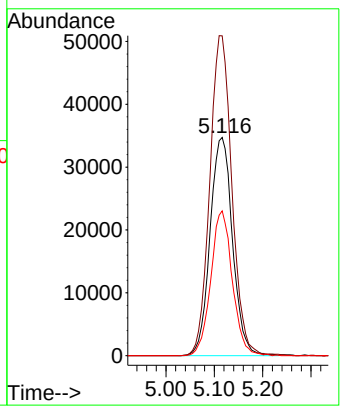





#21
trans-1,2-Dichloroethene
Concen: 55.044 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 11208

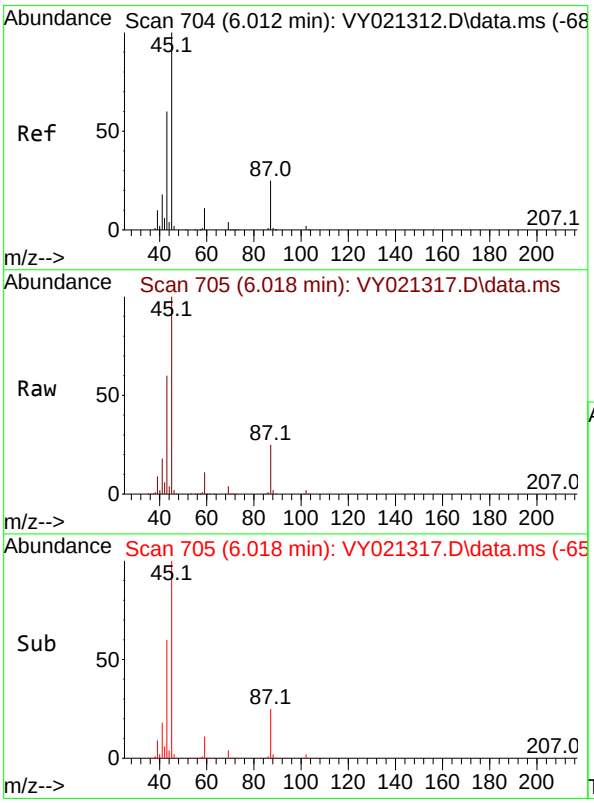
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.6 | 116.3 | 174.5 |
| 98 | 66.4 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

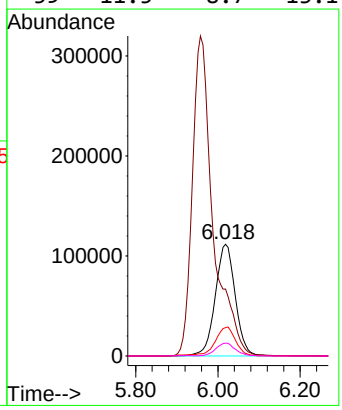
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

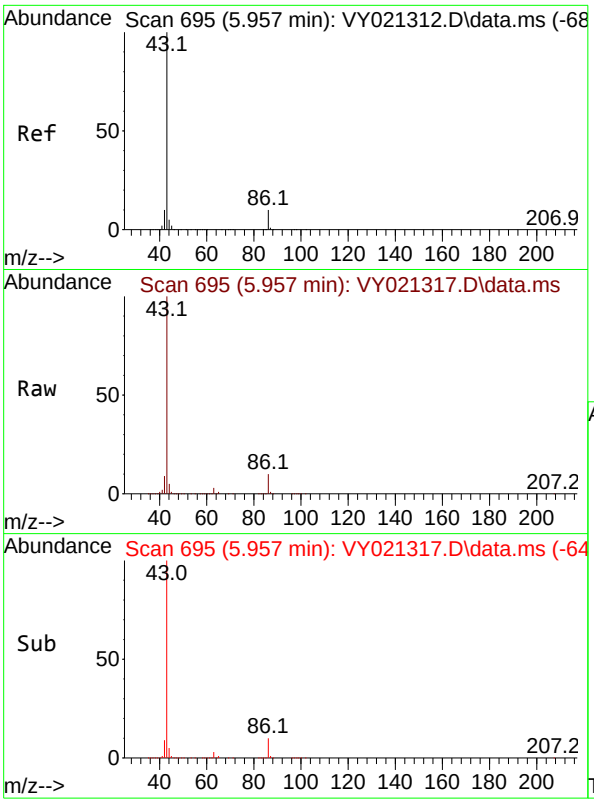



#22
Diisopropyl ether
Concen: 55.595 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 45 Resp: 377281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 59.4 | 48.2 | 72.4 |
| 87 | 25.4 | 20.3 | 30.5 |
| 59 | 11.5 | 8.7 | 13.1 |

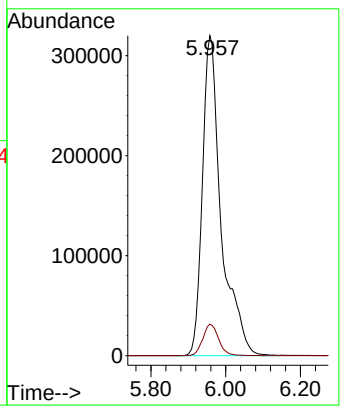





#23
Vinyl Acetate
Concen: 275.197 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 111600

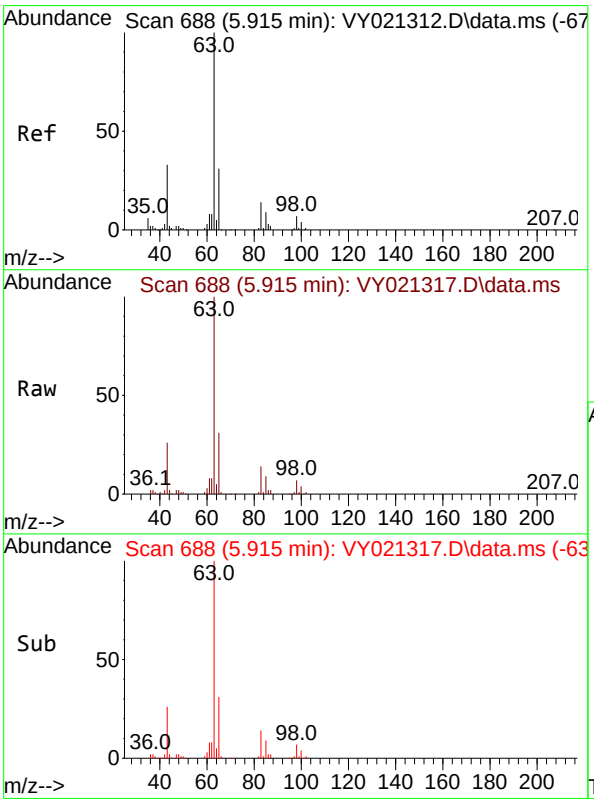
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.8 | 8.0 | 12.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

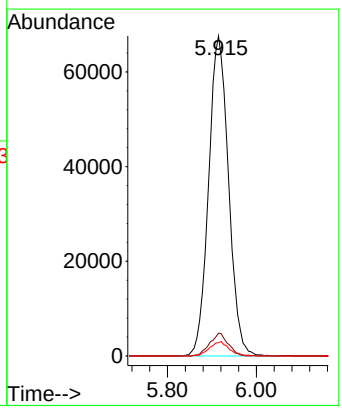
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

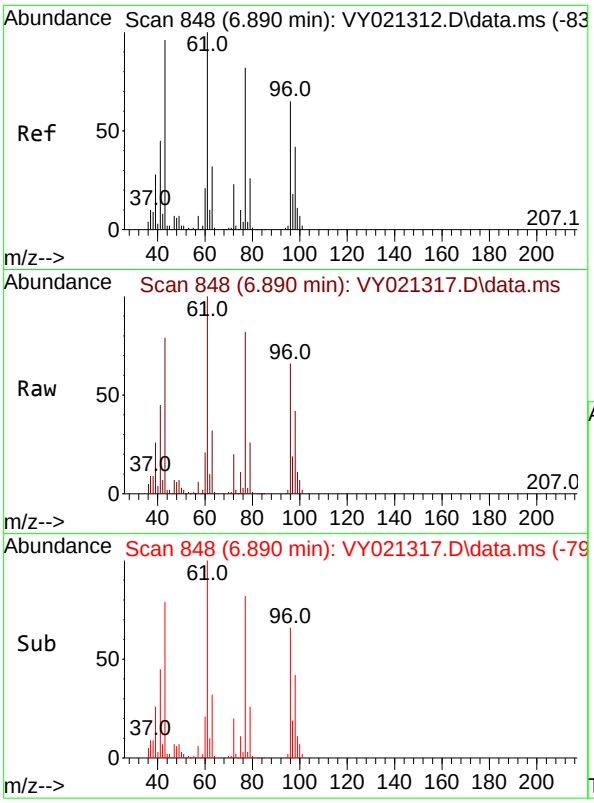



#24
1,1-Dichloroethane
Concen: 55.004 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 210383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.7 | 11.1 |
| 100 | 4.2 | 2.1 | 6.5 |

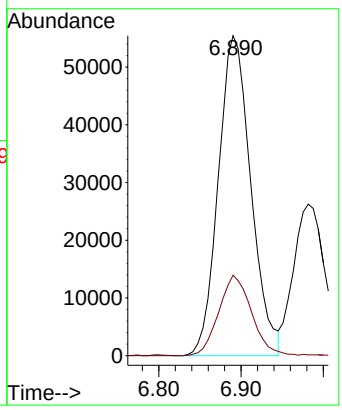





#25
2-Butanone
Concen: 253.246 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 15289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 19.0 | 28.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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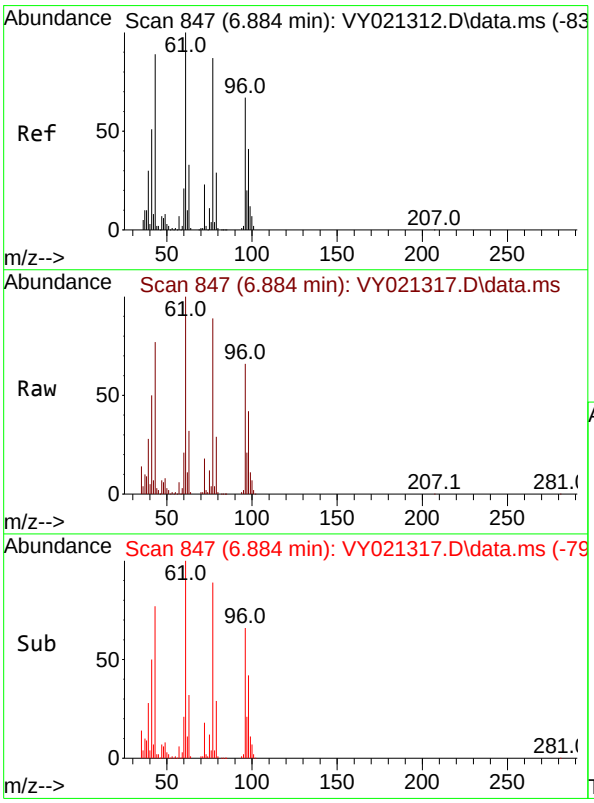
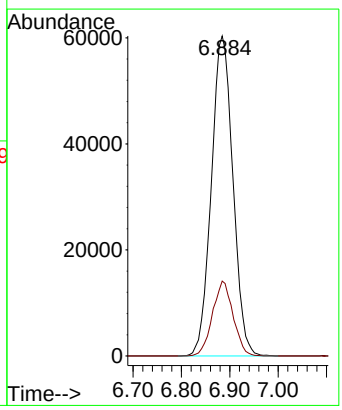
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

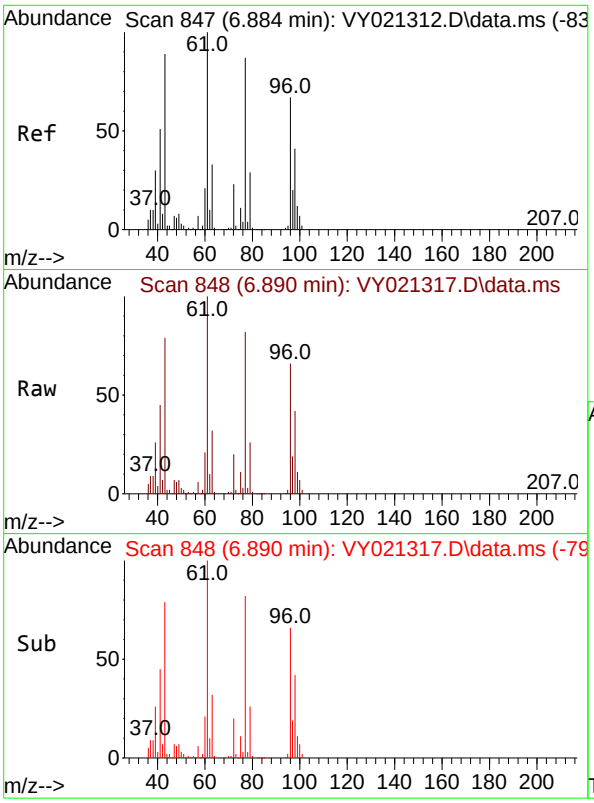



#26
2,2-Dichloropropane
Concen: 53.893 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 77 Resp: 187045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.4 | 10.9 | 32.7 |

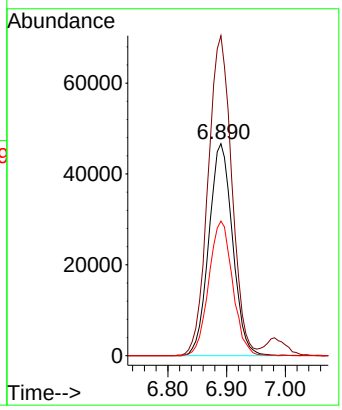





#27
cis-1,2-Dichloroethene
Concen: 56.305 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 13092

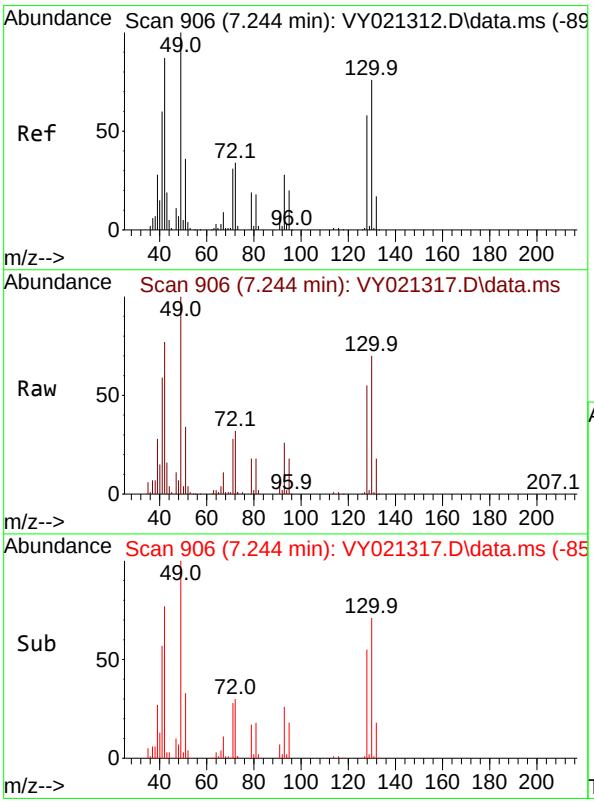
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.3 | 0.0 | 308.0 |
| 98 | 63.7 | 0.0 | 129.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
**APPROVED**

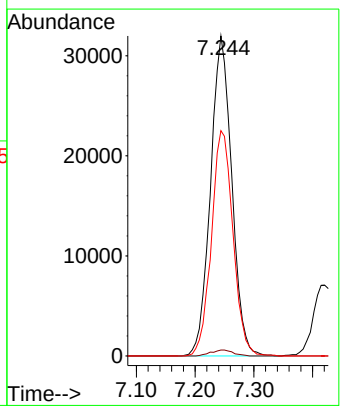
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

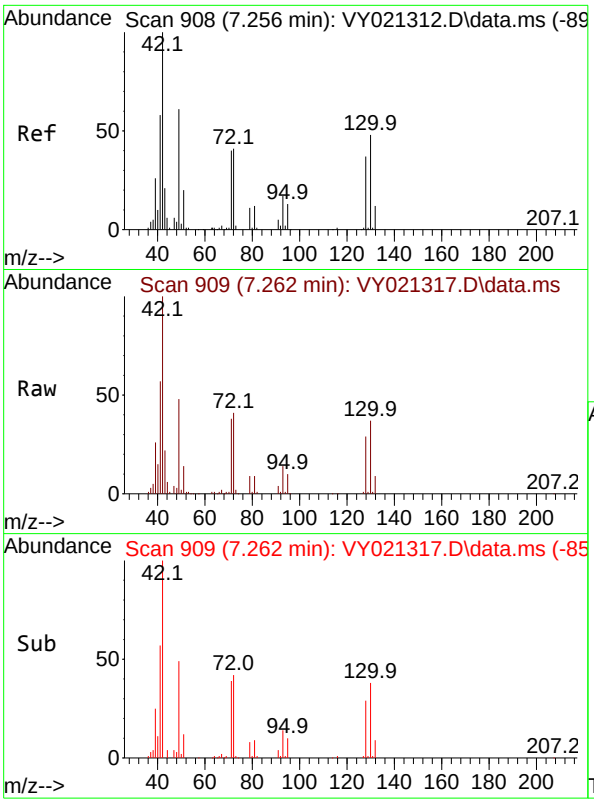



#28
Bromochloromethane
Concen: 47.452 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 49 Resp: 80309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 71.5 | 57.8 | 86.6 |

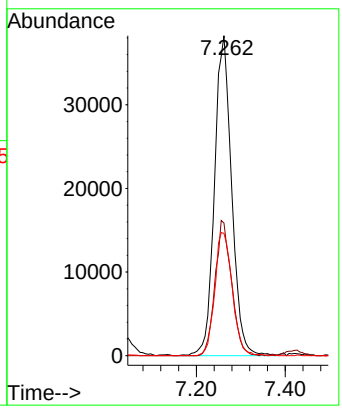





#29
Tetrahydrofuran
Concen: 260.172 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 42 Resp: 10267

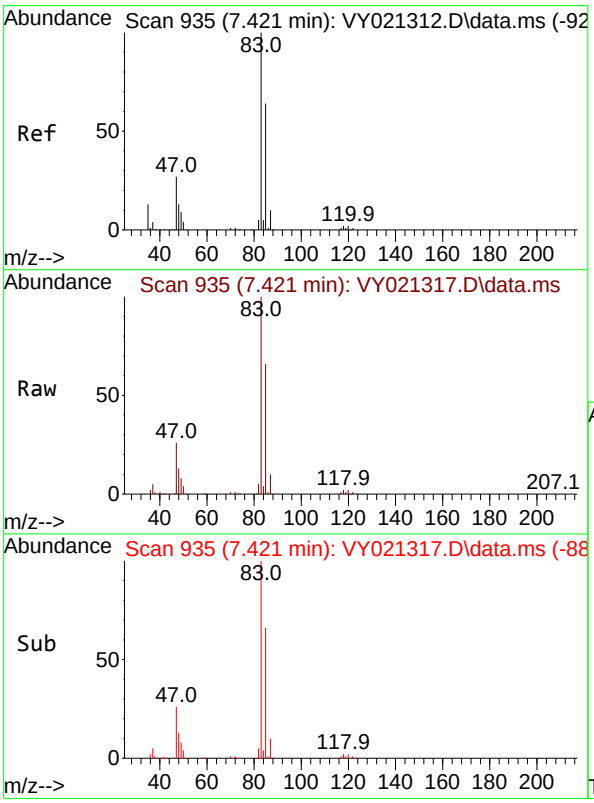
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.4 | 33.1 | 49.7 |
| 71 | 39.2 | 31.4 | 47.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

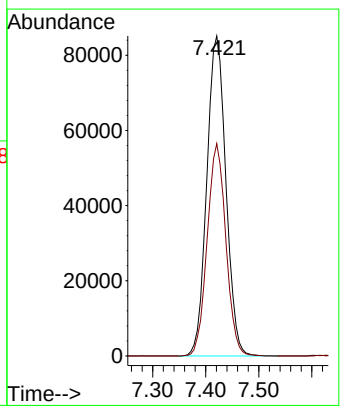
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

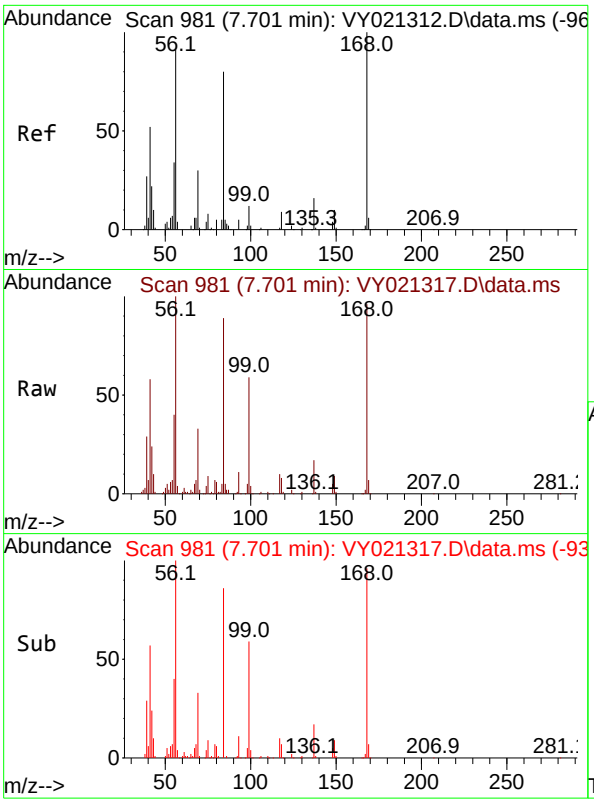



#30
Chloroform
Concen: 55.023 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 213255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.3 | 51.6 | 77.4 |

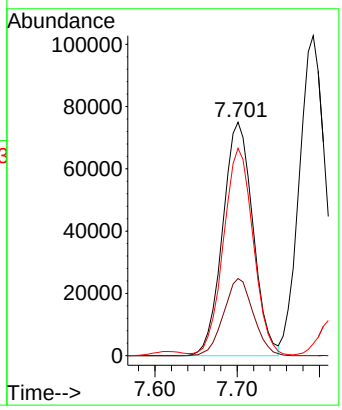





#31
Cyclohexane
Concen: 52.180 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 56 Resp: 19185

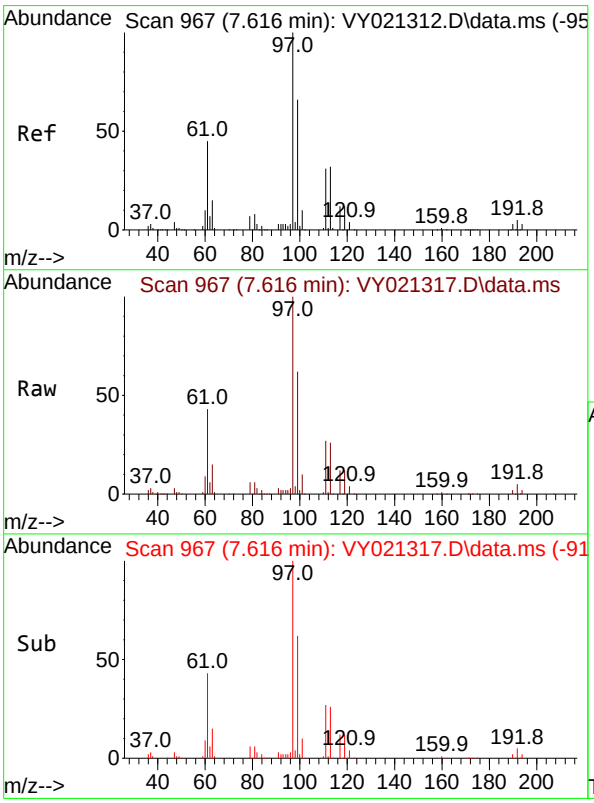
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.0 | 26.2 | 39.4 |
| 84 | 87.3 | 70.2 | 105.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

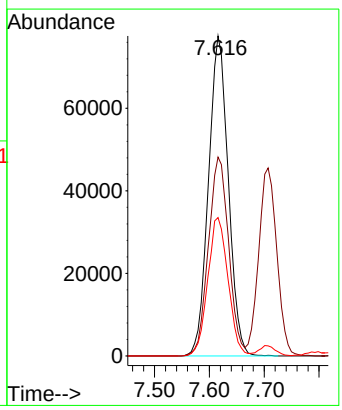
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

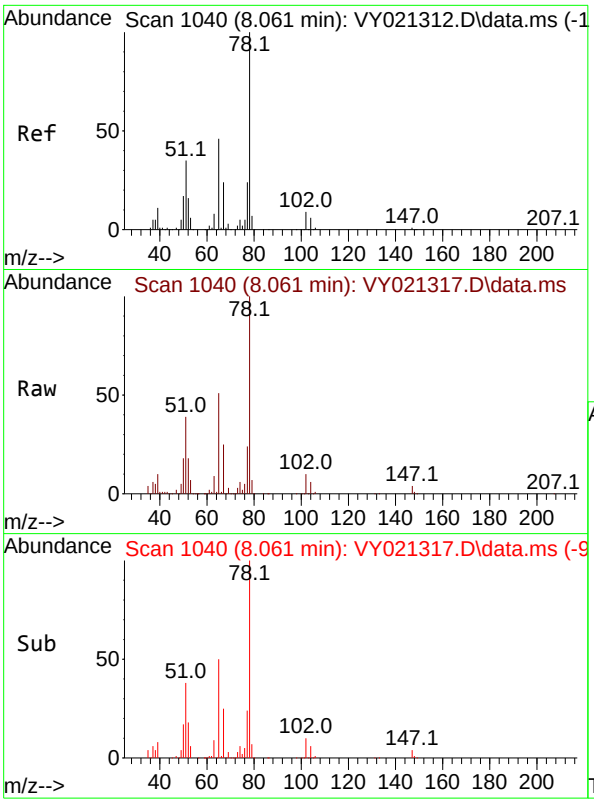



#32
1,1,1-Trichloroethane
Concen: 55.084 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 194325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 52.4 | 78.6 |
| 61 | 44.3 | 36.2 | 54.2 |

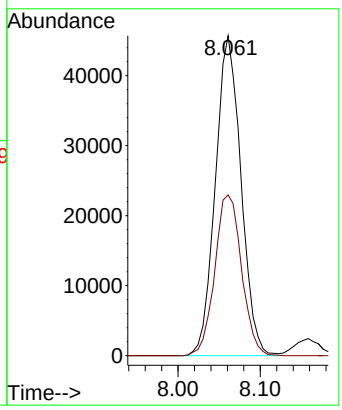





#33
1,2-Dichloroethane-d4
Concen: 47.453 ug/l
RT: 8.061 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 65 Resp: 9896(

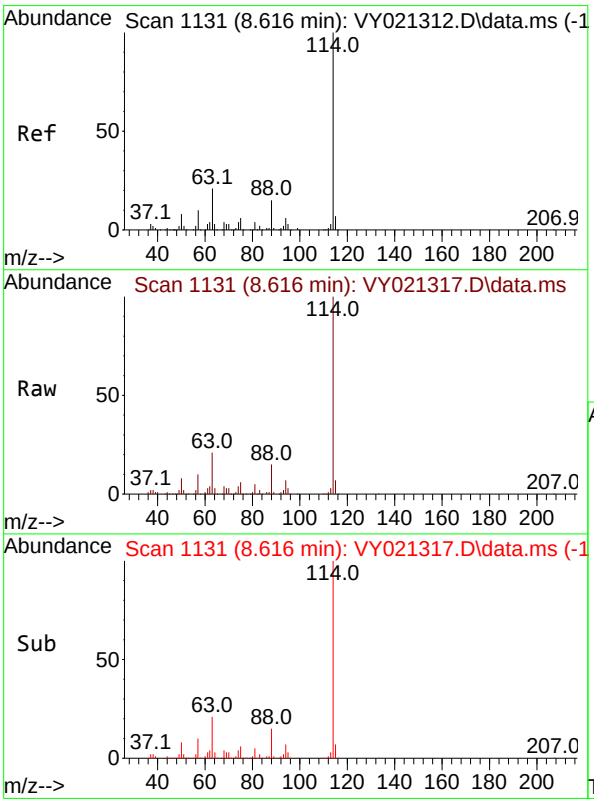
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 103.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

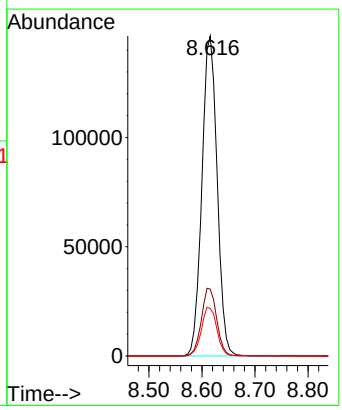
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

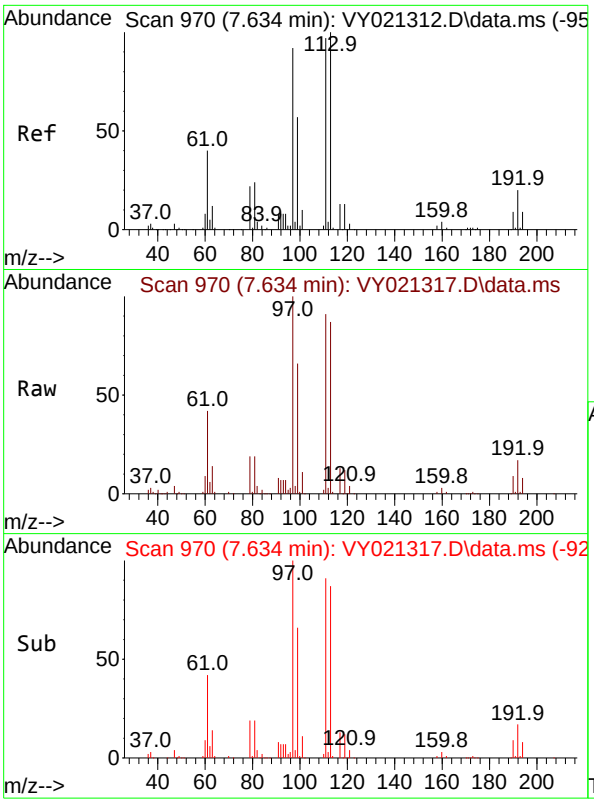



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:114 Resp: 292214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 42.2 |
| 88 | 14.9 | 0.0 | 29.8 |

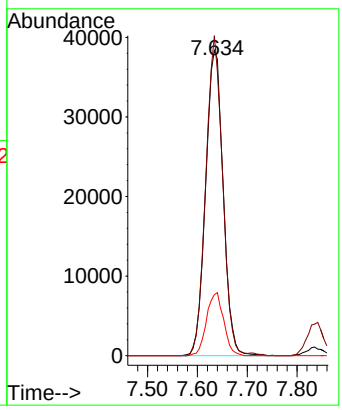





#35
Dibromofluoromethane
Concen: 49.037 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:113 Resp: 9394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.0 | 81.0 | 121.6 |
| 192 | 20.1 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

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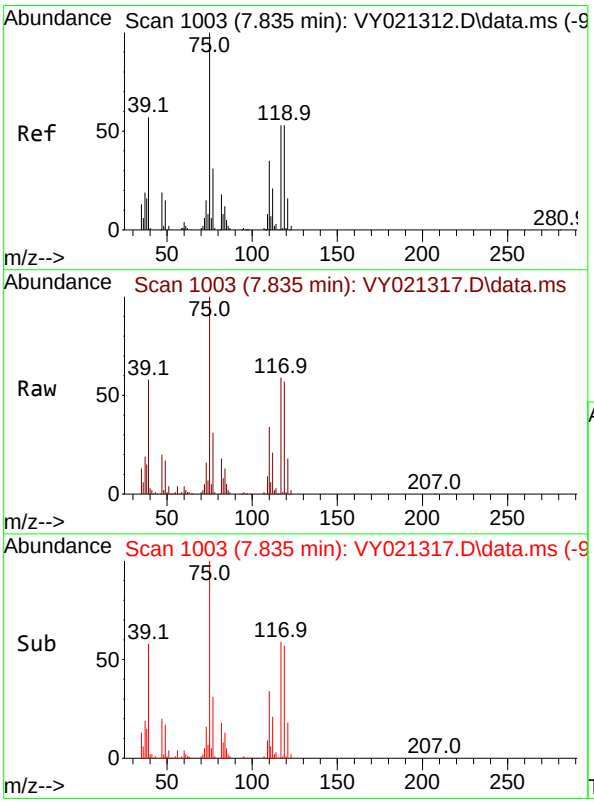
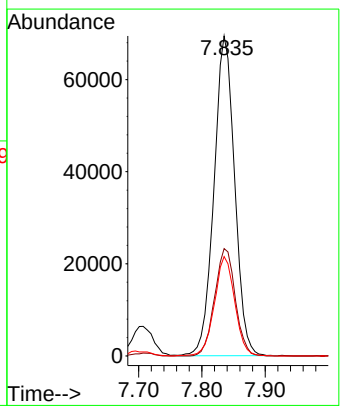
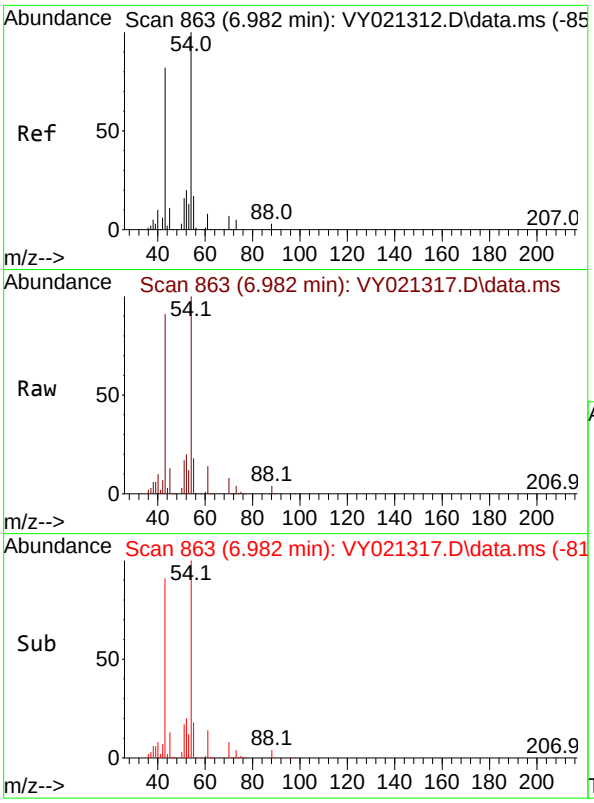



#36
1,1-Dichloropropene
Concen: 54.593 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 157102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.6 | 16.9 | 50.7 |
| 77 | 30.7 | 24.6 | 36.8 |

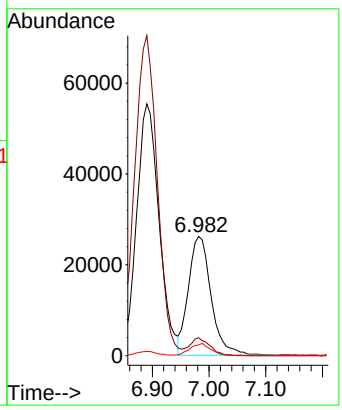





#37
Ethyl Acetate
Concen: 50.864 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 7281

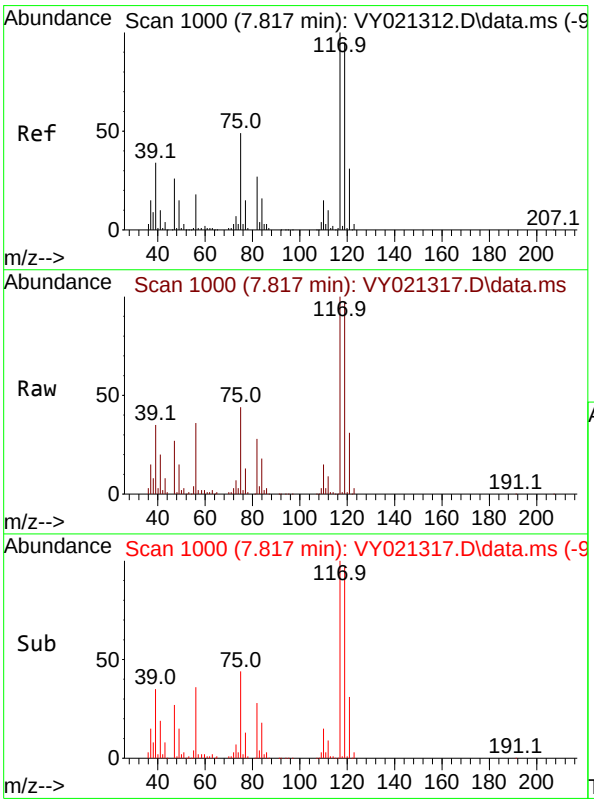
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 10.4 | 15.6 |
| 70 | 9.4 | 7.5 | 11.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
**APPROVED**

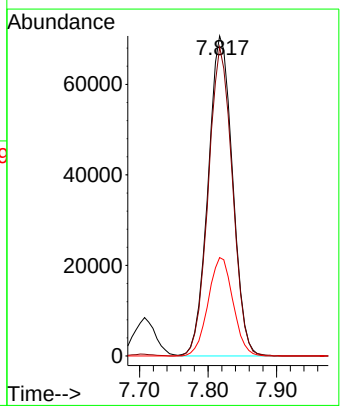
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

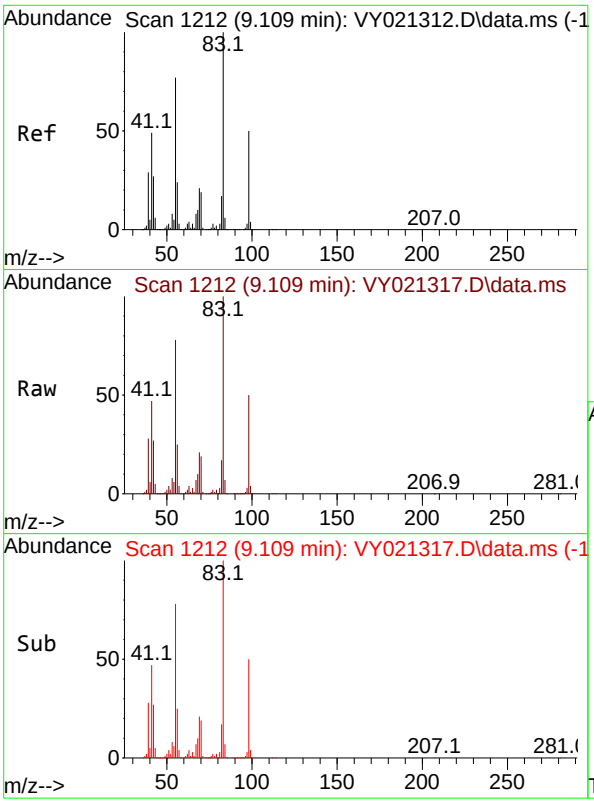



#38
Carbon Tetrachloride
Concen: 54.157 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 175208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.4 | 76.0 | 114.0 |
| 121 | 30.8 | 24.9 | 37.3 |

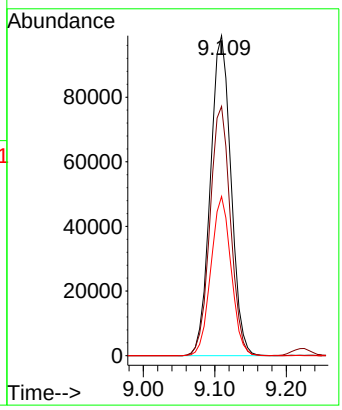





#39
Methylcyclohexane
Concen: 54.397 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 19799

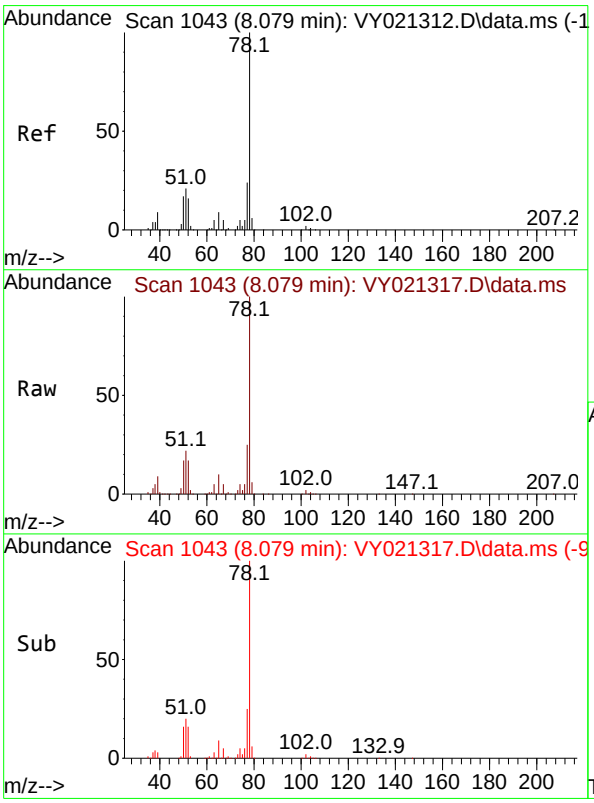
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.9 | 61.3 | 91.9 |
| 98 | 49.7 | 39.9 | 59.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

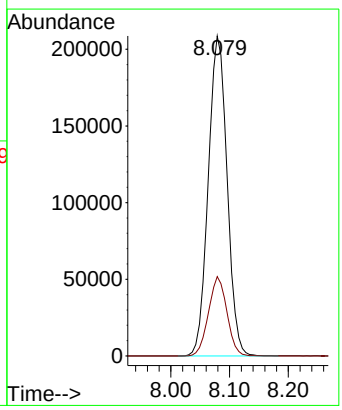
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

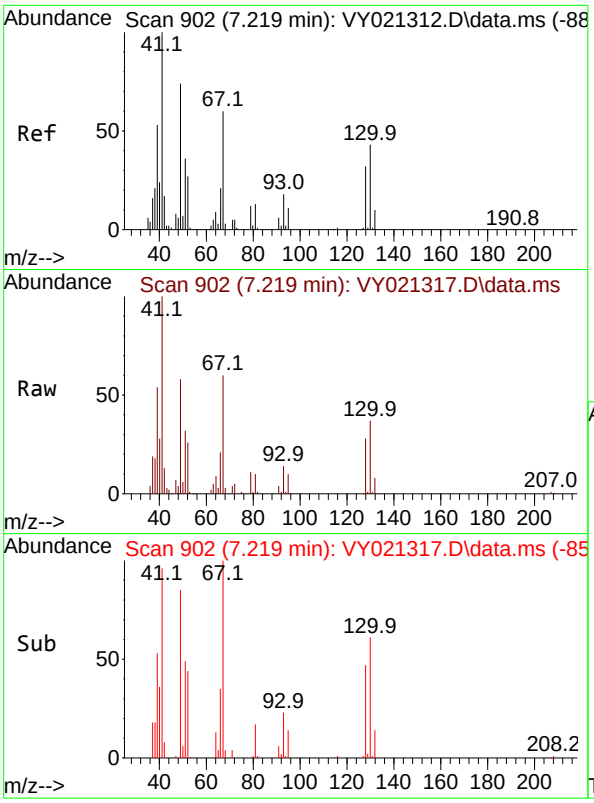



#40
Benzene
Concen: 54.583 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 78 Resp: 464323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.8 | 19.2 | 28.8 |

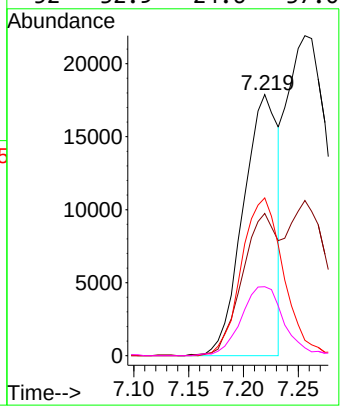





#41
Methacrylonitrile
Concen: 49.244 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 3941

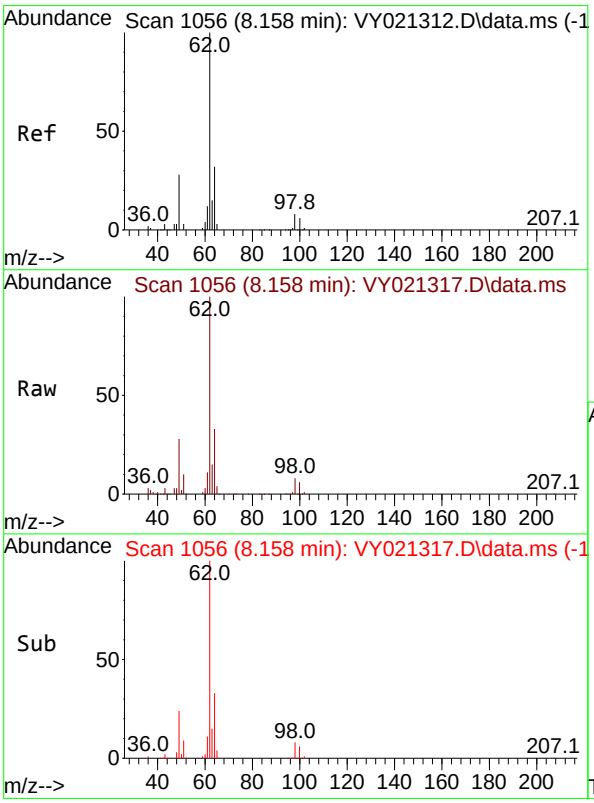
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.9 | 42.3 | 63.5 |
| 67 | 73.3 | 54.8 | 82.2 |
| 52 | 32.9 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

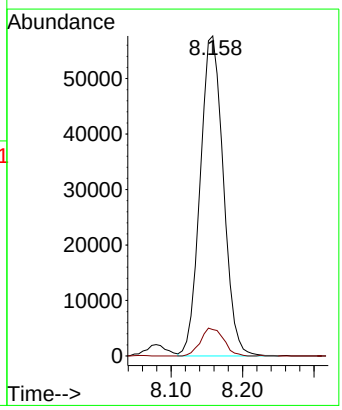
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

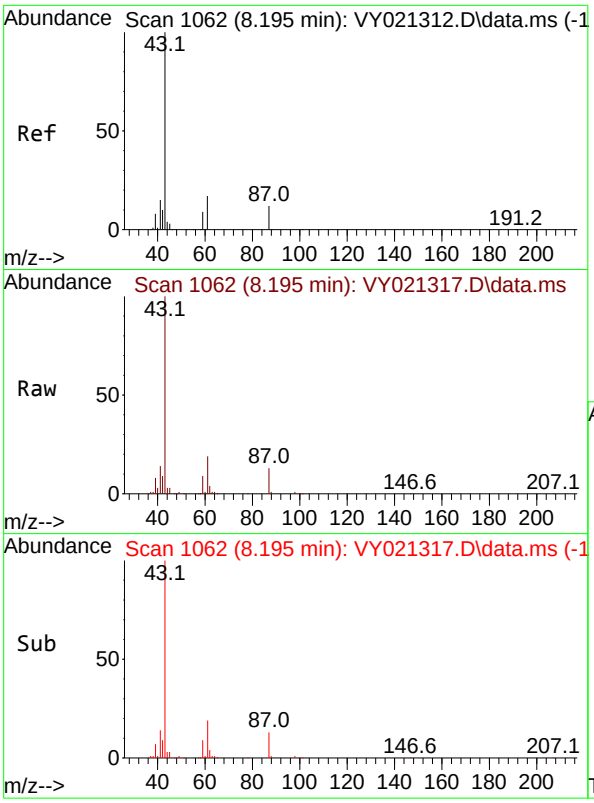



#42
1,2-Dichloroethane
Concen: 53.746 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 129718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.6 |

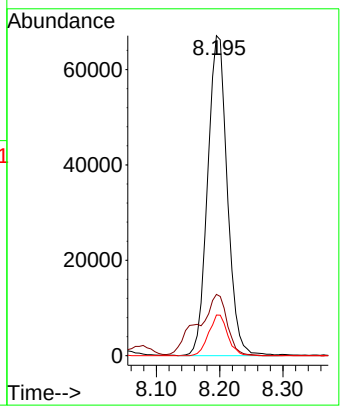





#43
Isopropyl Acetate
Concen: 52.380 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 14512

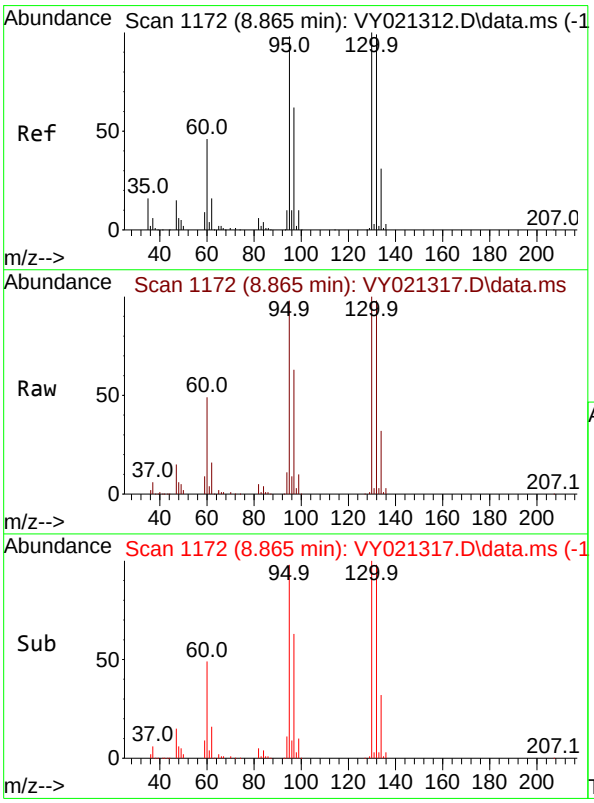
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 28.5 | 15.0 | 22.6 |
| 87 | 12.3 | 10.0 | 15.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

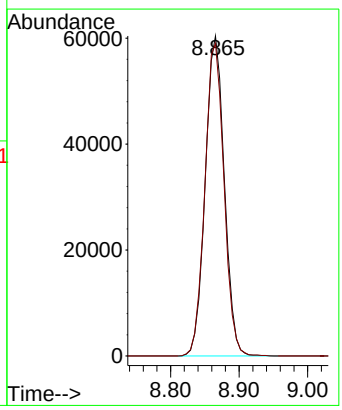
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

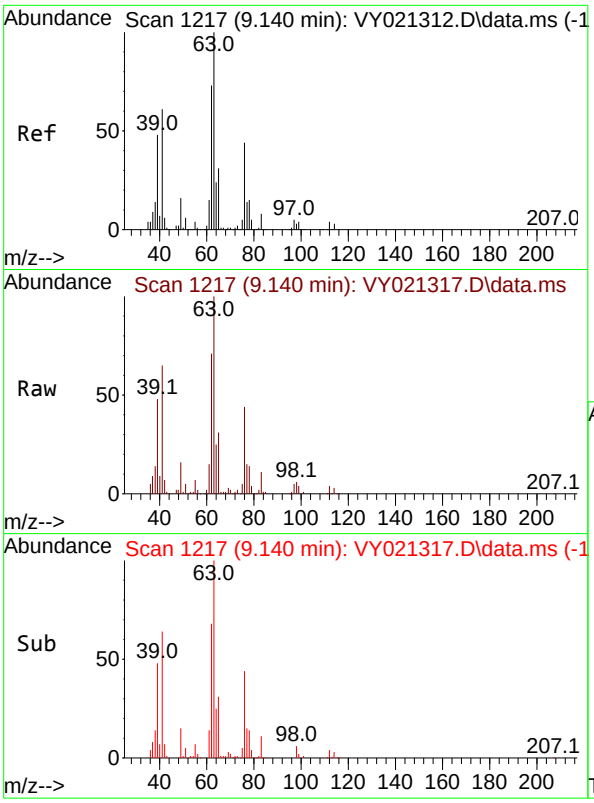



#44
Trichloroethene
Concen: 54.930 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:130 Resp: 116988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.7 | 0.0 | 196.0 |

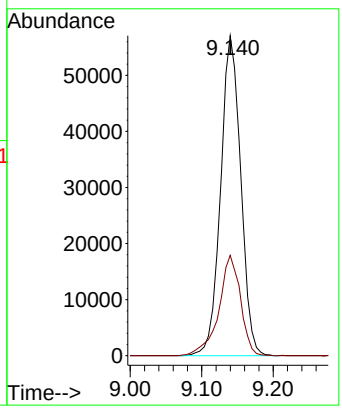





#45
1,2-Dichloropropane
Concen: 54.464 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 11149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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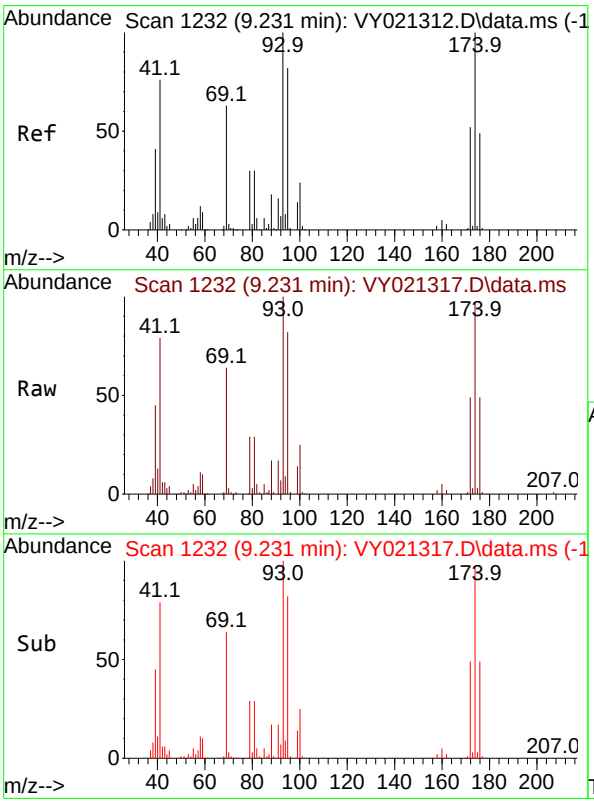
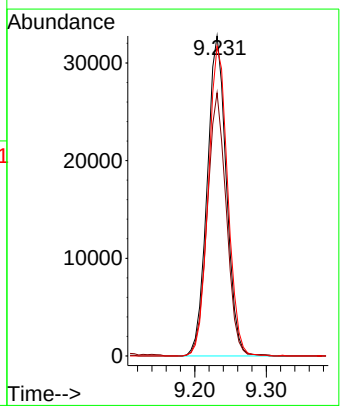
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

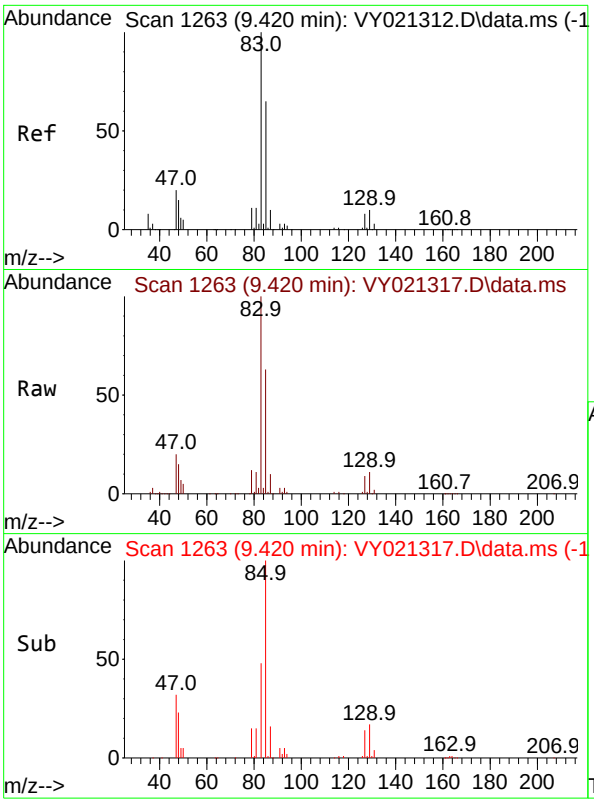



#46
Dibromomethane
Concen: 54.539 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 93 Resp: 61031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.4 | 66.4 | 99.6 |
| 174 | 98.0 | 78.2 | 117.2 |

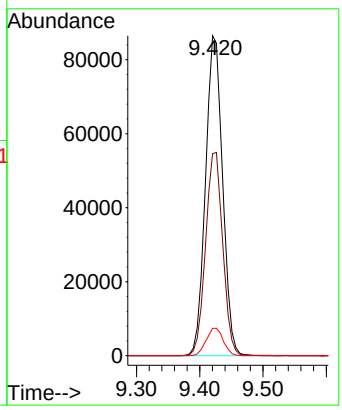





#47
Bromodichloromethane
Concen: 54.489 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 16258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 51.8 | 77.8 |
| 127 | 8.5 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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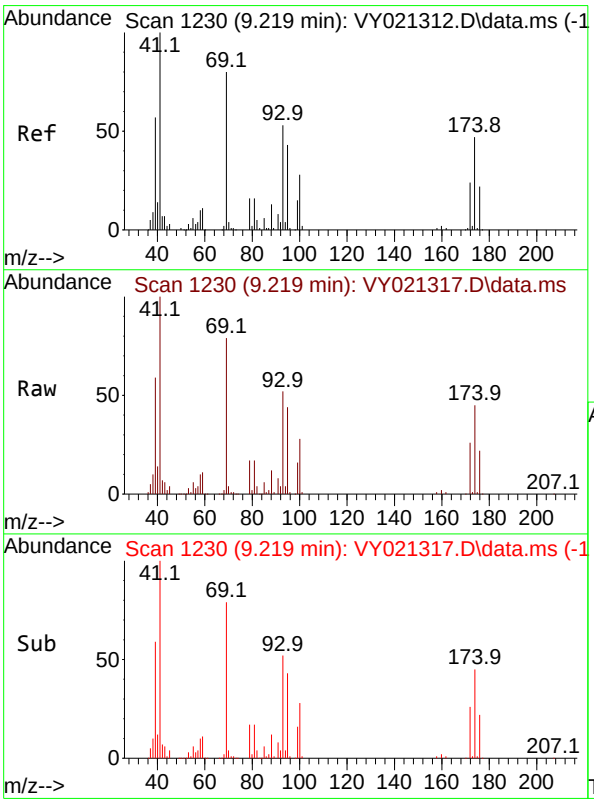
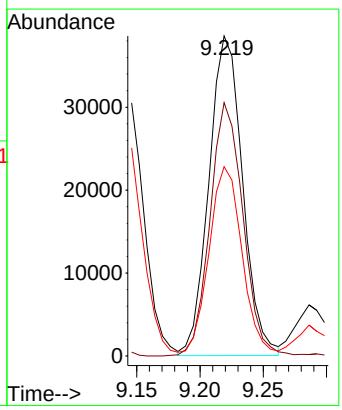
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

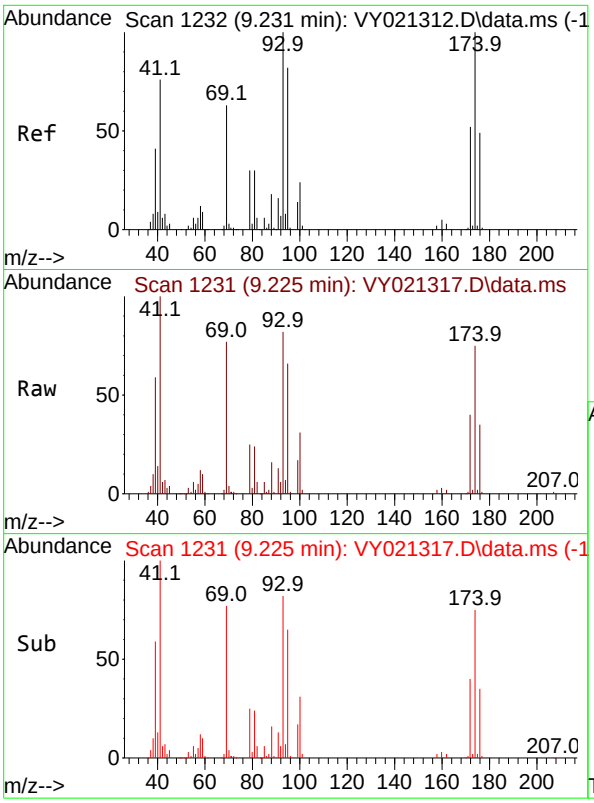



#48
Methyl methacrylate
Concen: 55.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 71360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.6 | 63.3 | 94.9 |
| 39 | 56.2 | 45.0 | 67.6 |

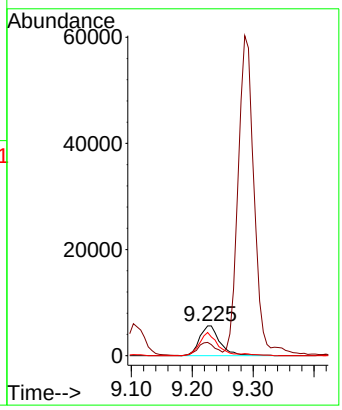





#49
1,4-Dioxane
Concen: 1053.076 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 88 Resp: 1310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.5 | 34.8 | 52.2 |
| 58 | 69.6 | 59.8 | 89.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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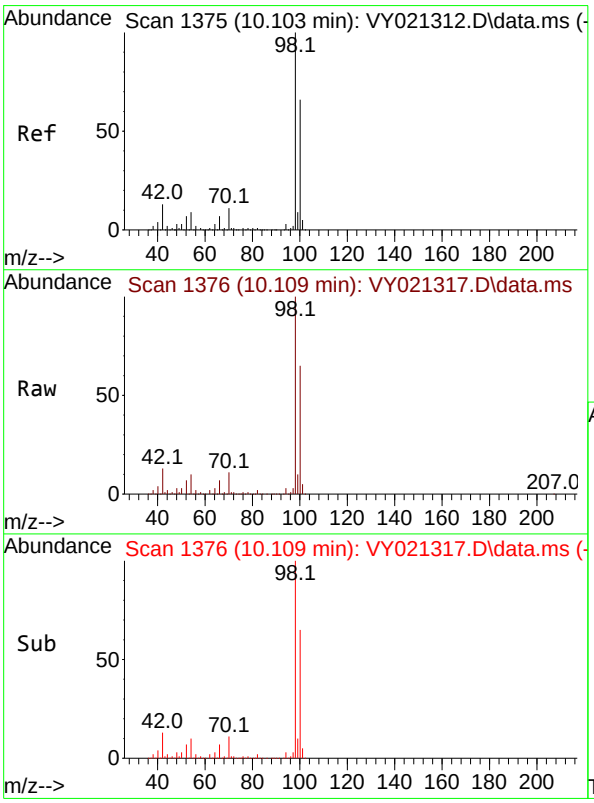
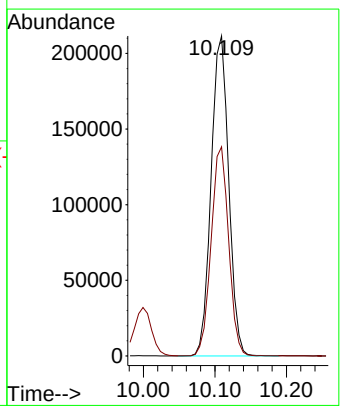
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

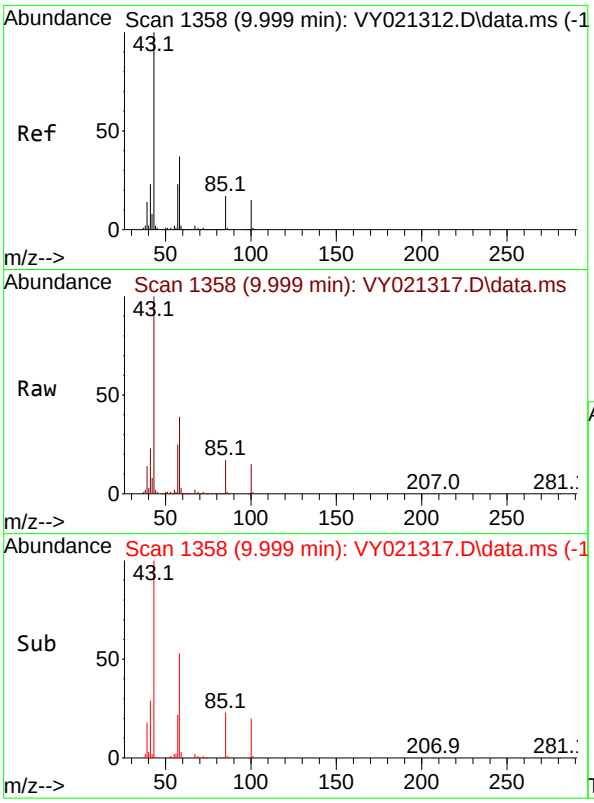



#50
Toluene-d8
Concen: 48.694 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 98 Resp: 360528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 52.4 | 78.6 |

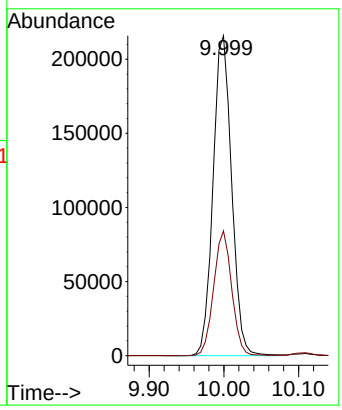





#51
4-Methyl-2-Pentanone
Concen: 262.628 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 37248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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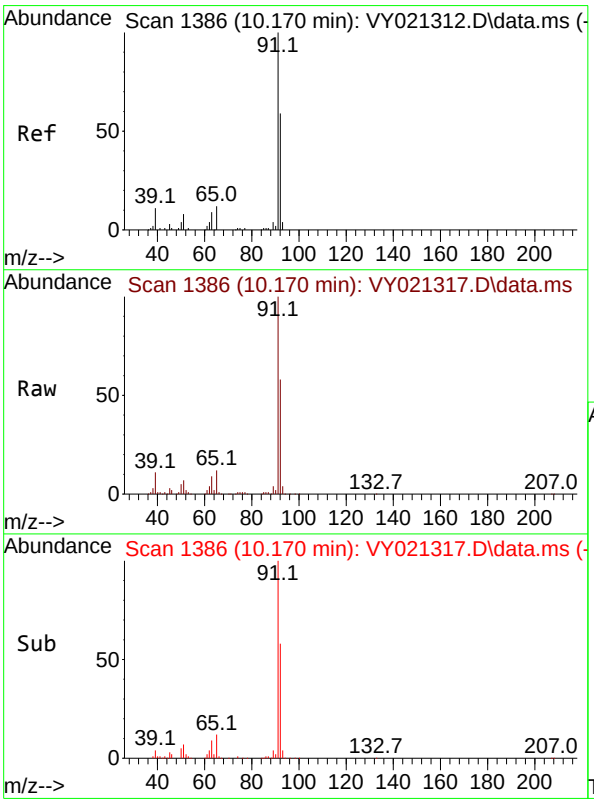
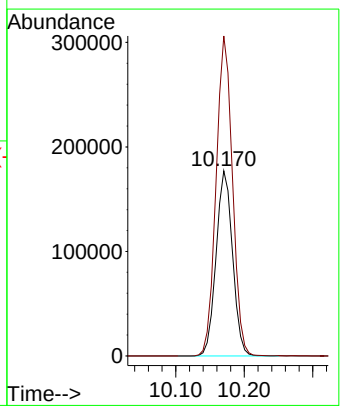
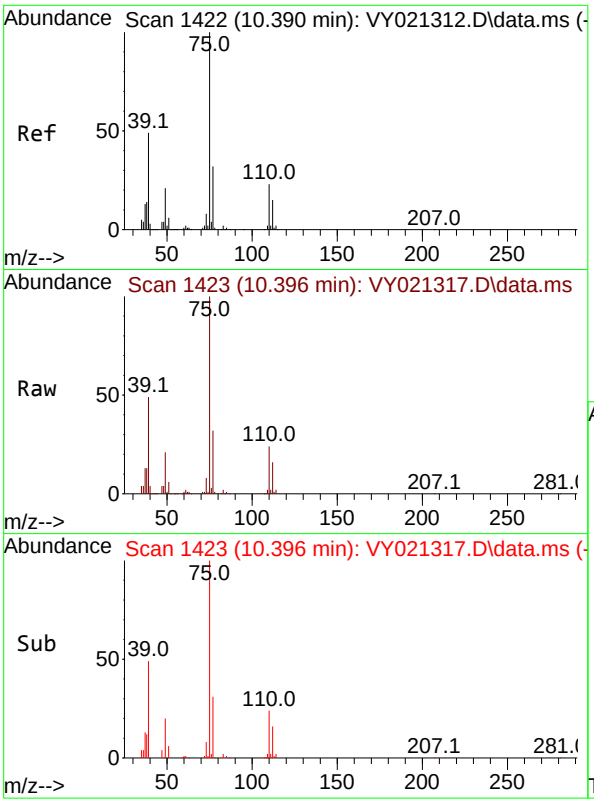



#52
Toluene
Concen: 55.674 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 92 Resp: 294219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 137.8 | 206.8 |

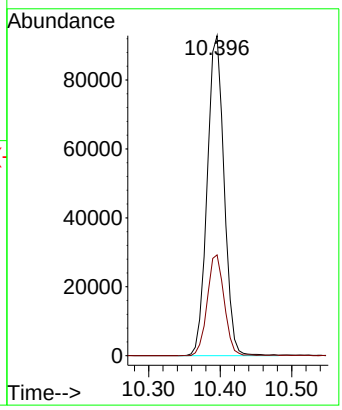





#53
t-1,3-Dichloropropene
Concen: 55.699 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 15226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.3 | 37.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

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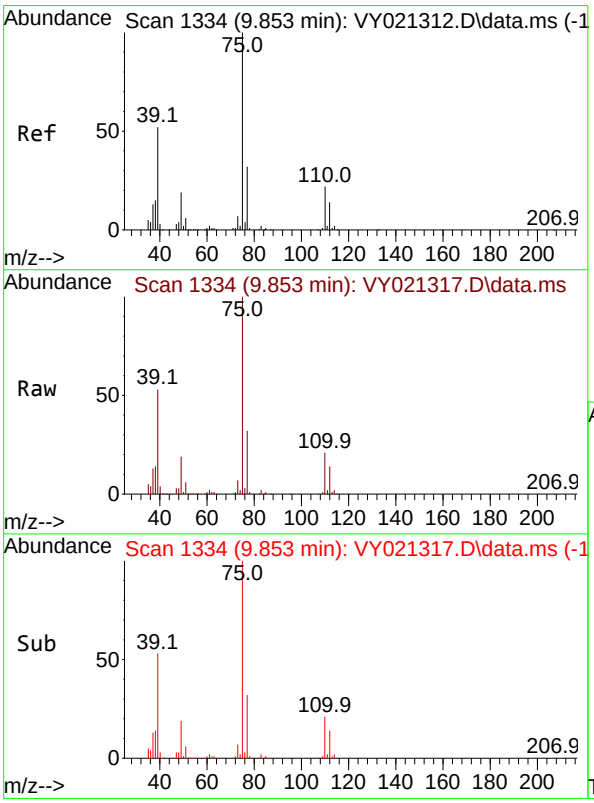
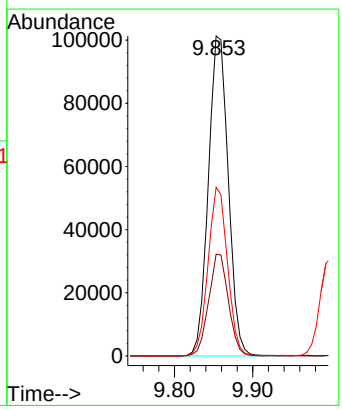
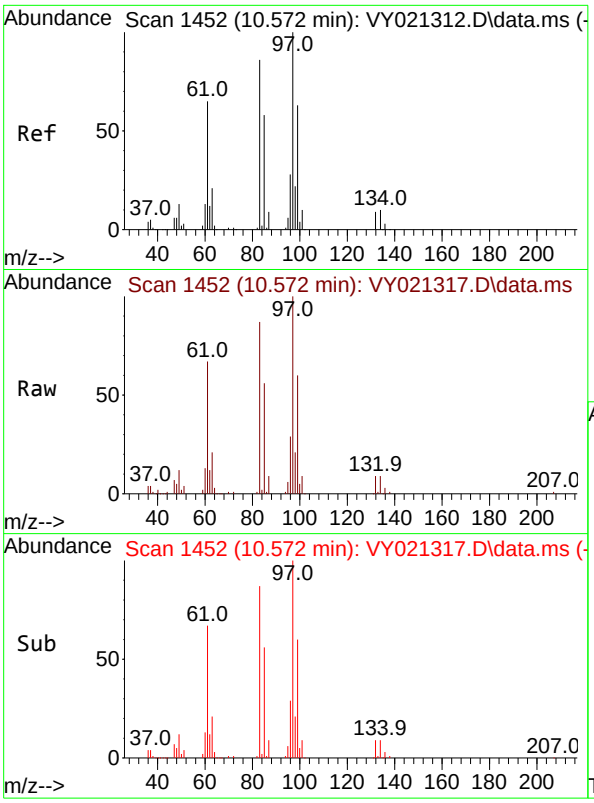



#54
cis-1,3-Dichloropropene
Concen: 55.451 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 178951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.7 | 38.5 |
| 39 | 52.6 | 41.8 | 62.6 |

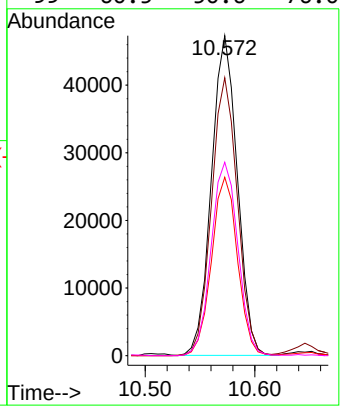





#55
1,1,2-Trichloroethane
Concen: 53.263 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 7764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.9 | 68.7 | 103.1 |
| 85 | 55.7 | 46.3 | 69.5 |
| 99 | 60.5 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/26/2025
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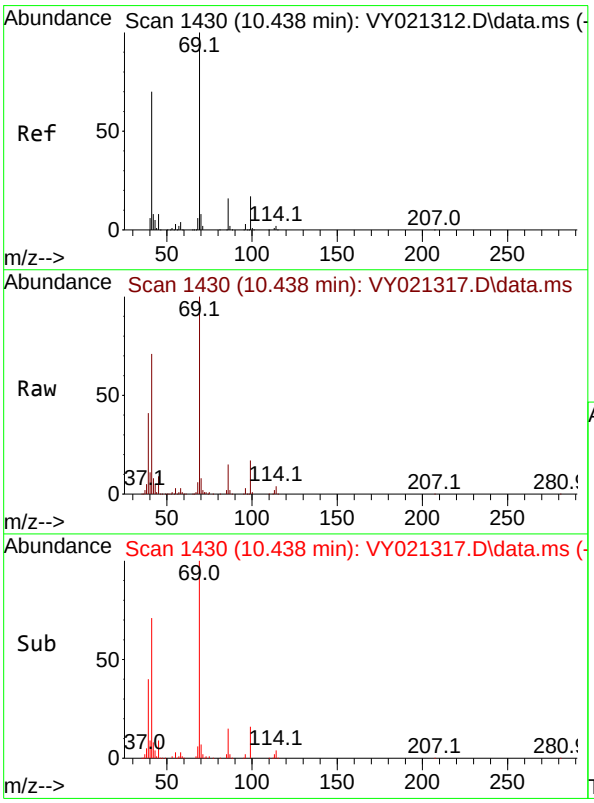
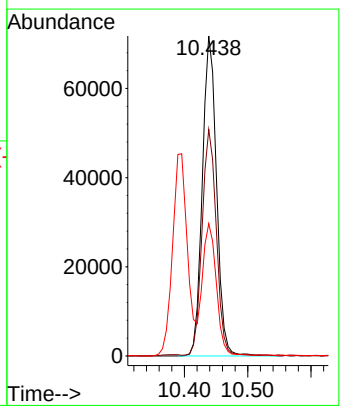
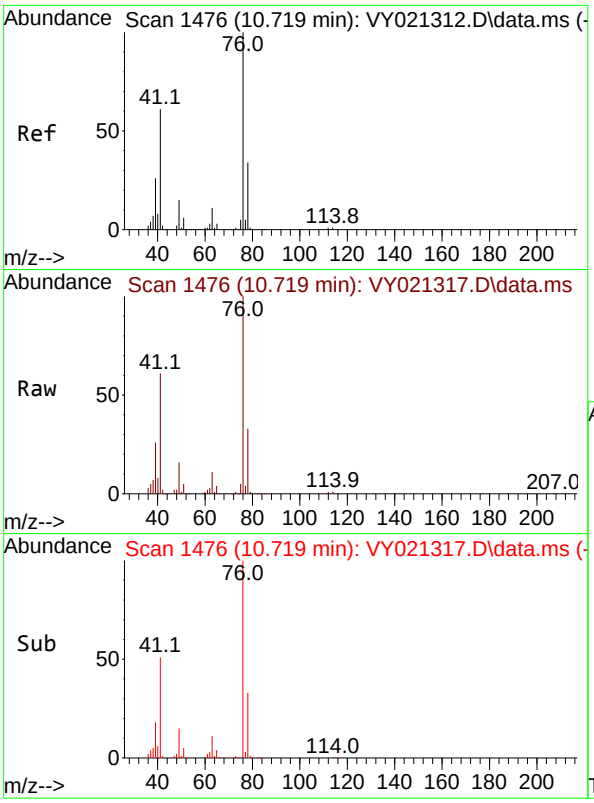



#56
Ethyl methacrylate
Concen: 55.679 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 69 Resp: 112155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.9 | 56.2 | 84.4 |
| 39 | 39.6 | 32.7 | 49.1 |

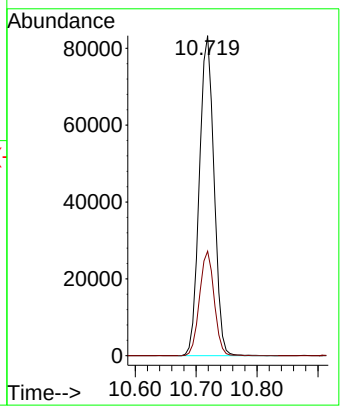





#57
1,3-Dichloropropane
Concen: 54.438 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 76 Resp: 13925

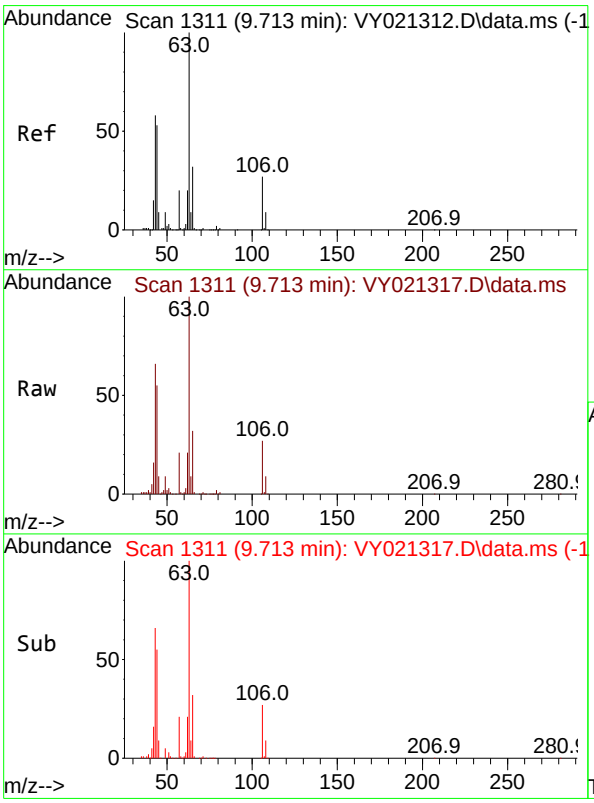
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
**APPROVED**

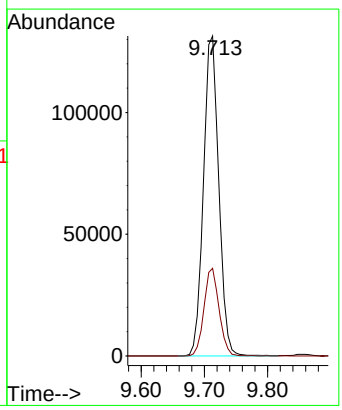
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

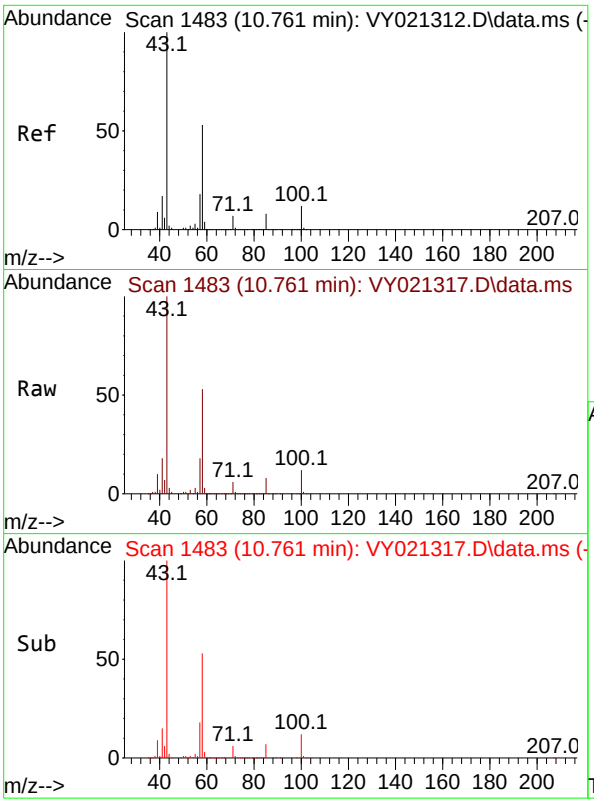



#58
2-Chloroethyl Vinyl ether
Concen: 228.990 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 221395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.0 | 21.7 | 32.5 |

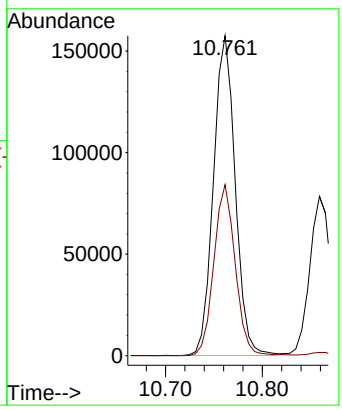





#59
2-Hexanone
Concen: 264.133 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 24603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 25.9 | 77.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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Reviewed By :Romaben Patel 02/26/2025
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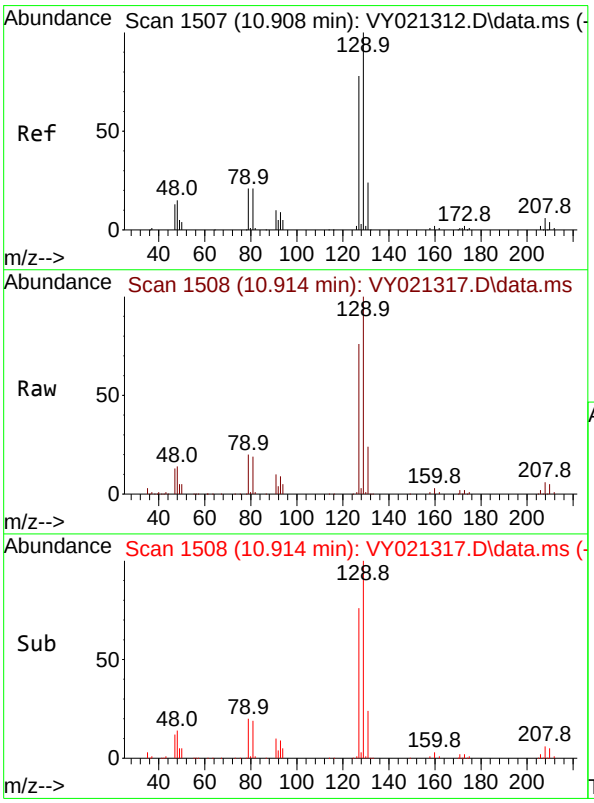
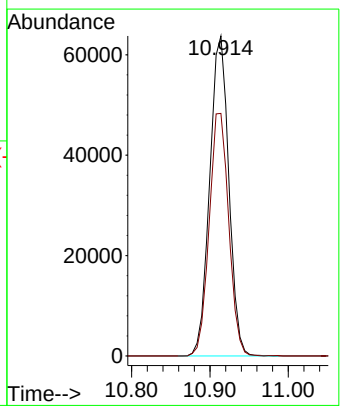
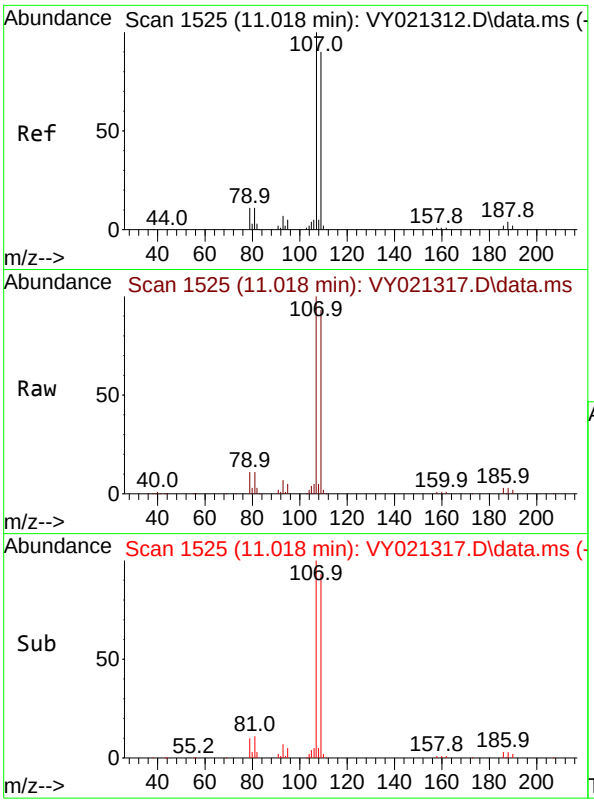



#60
Dibromochloromethane
Concen: 54.329 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:129 Resp: 107866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.8 | 116.4 |

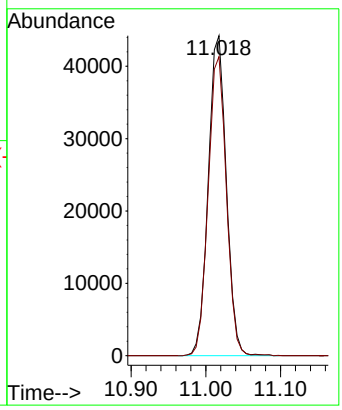





#61
1,2-Dibromoethane
Concen: 53.942 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:107 Resp: 7444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.1 | 73.8 | 110.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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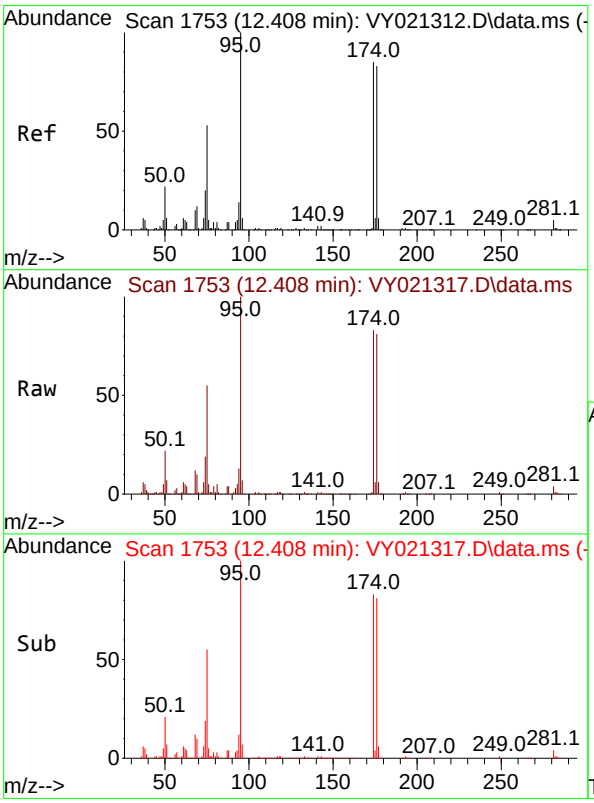
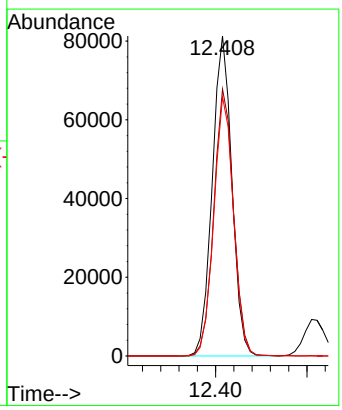
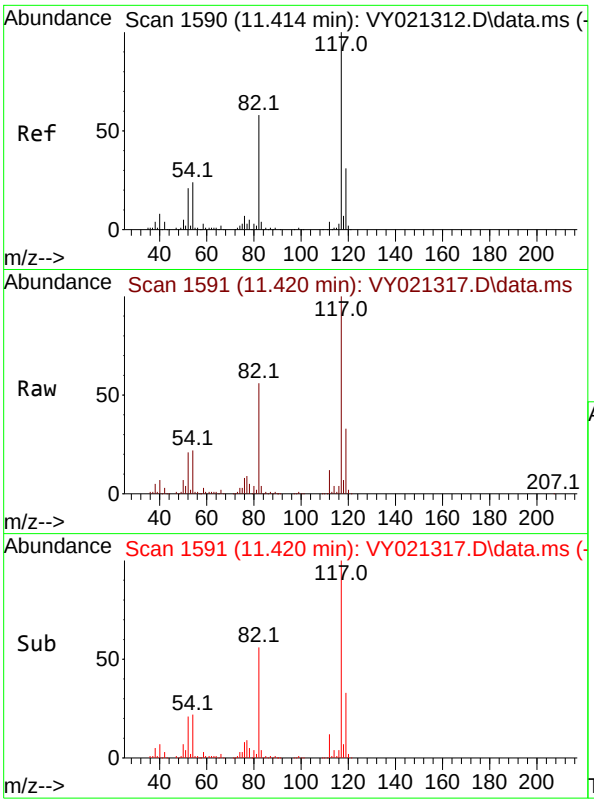



#62
4-Bromofluorobenzene
Concen: 48.549 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 95 Resp: 120972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.9 | 0.0 | 168.0 |
| 176 | 81.4 | 0.0 | 162.6 |

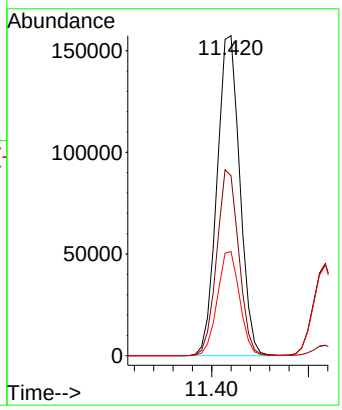





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 25712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 46.2 | 69.4 |
| 119 | 32.5 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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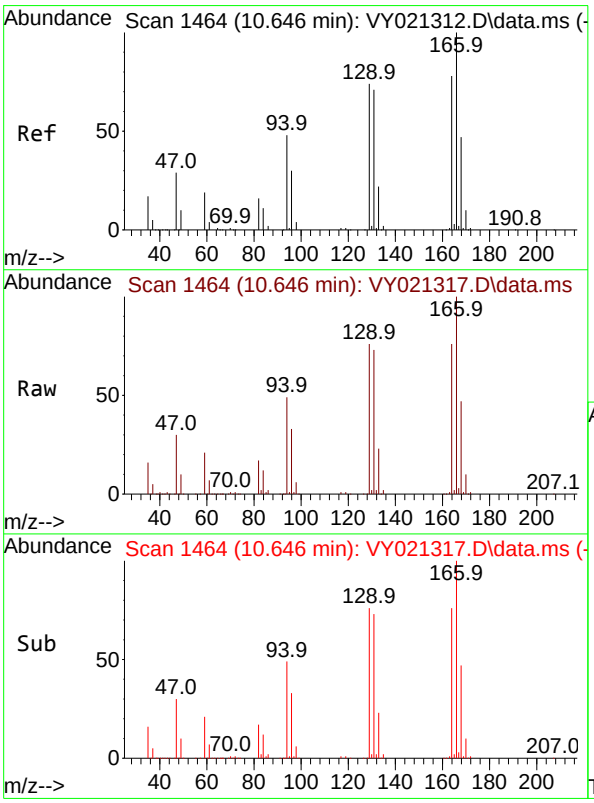
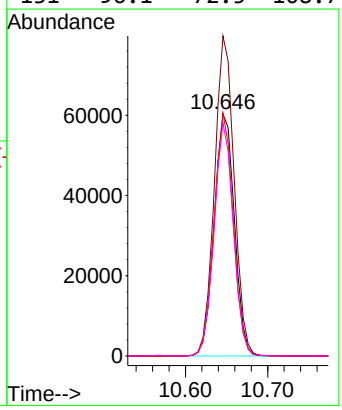
Supervised By :Mahesh Dadoda 02/26/2025

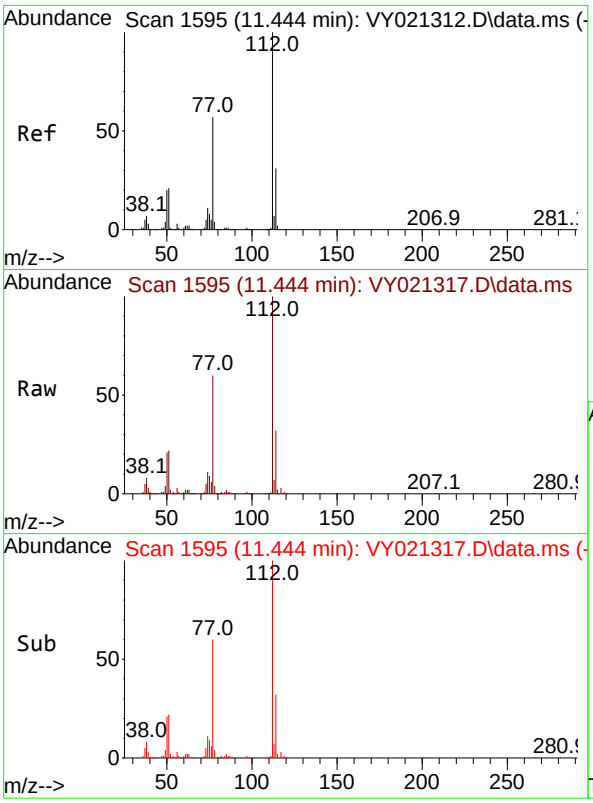



#64
Tetrachloroethene
Concen: 52.940 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:164 Resp: 102887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.2 | 101.9 | 152.9 |
| 129 | 100.4 | 75.5 | 113.3 |
| 131 | 96.1 | 72.5 | 108.7 |

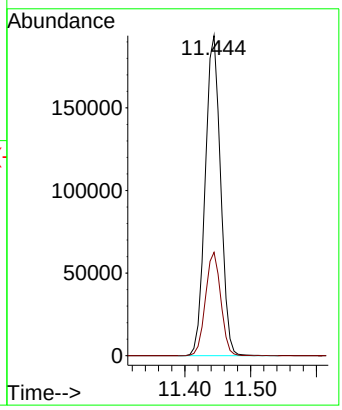





#65
Chlorobenzene
Concen: 54.410 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:112 Resp: 31404

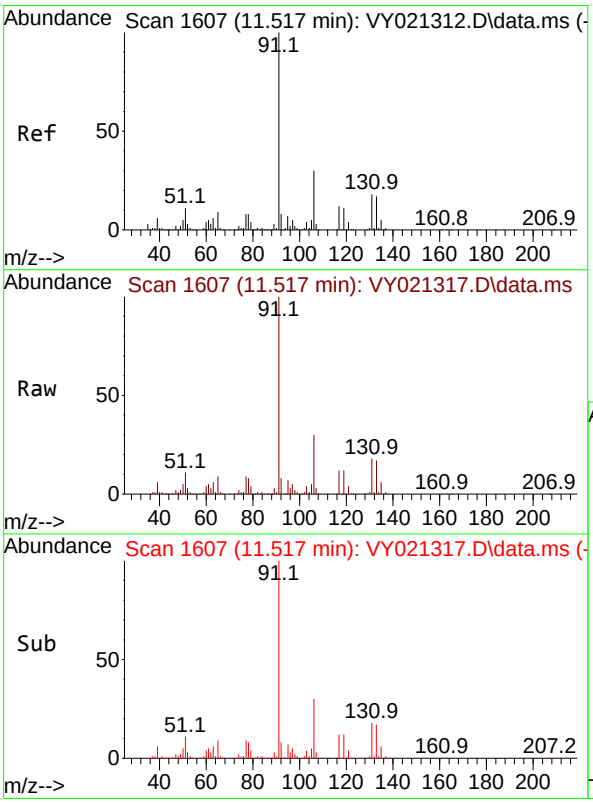
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

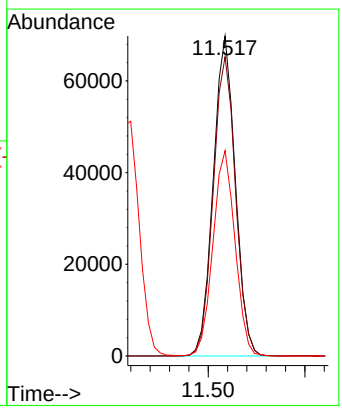
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

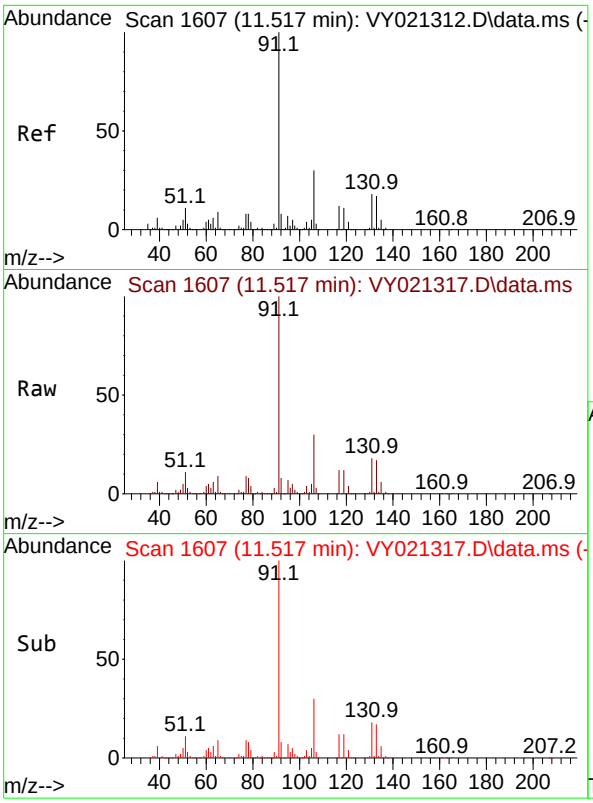



#66
1,1,1,2-Tetrachloroethane
Concen: 54.517 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:131 Resp: 110179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.9 | 47.9 | 143.6 |
| 119 | 64.3 | 31.7 | 95.1 |

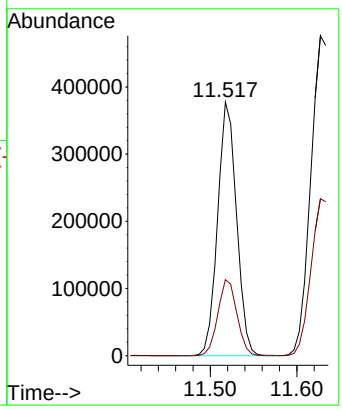





#67
Ethyl Benzene
Concen: 55.992 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 57242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.4 | 36.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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Reviewed By :Romaben Patel 02/26/2025
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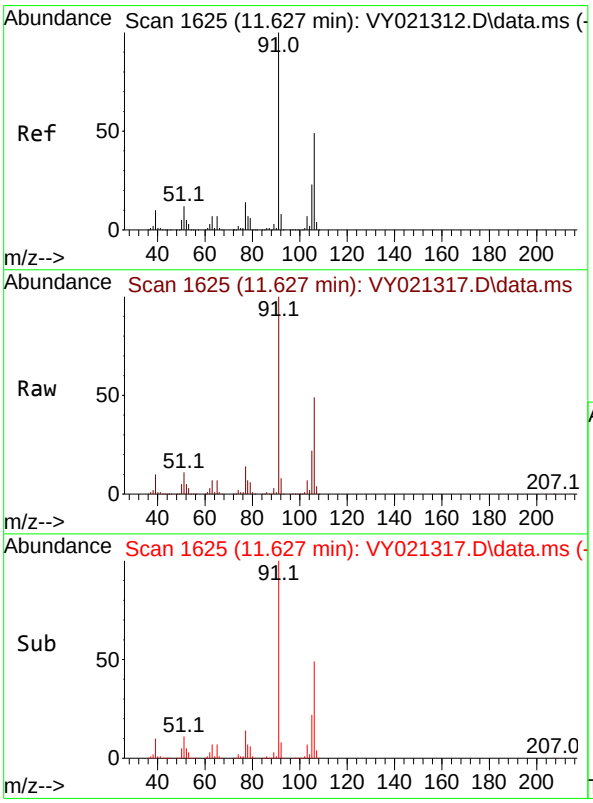
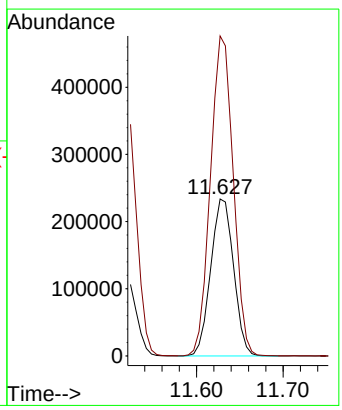
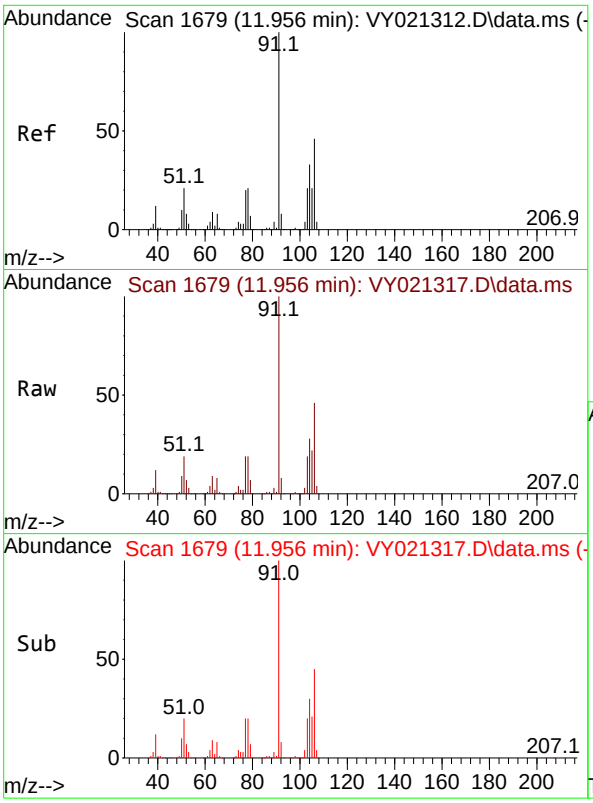



#68
m/p-Xylenes
Concen: 111.274 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 427892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.4 | 163.9 | 245.9 |

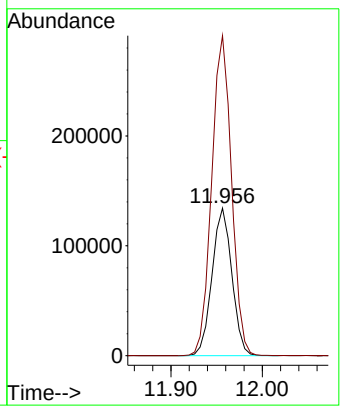





#69
o-Xylene
Concen: 56.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 20212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.2 | 108.1 | 324.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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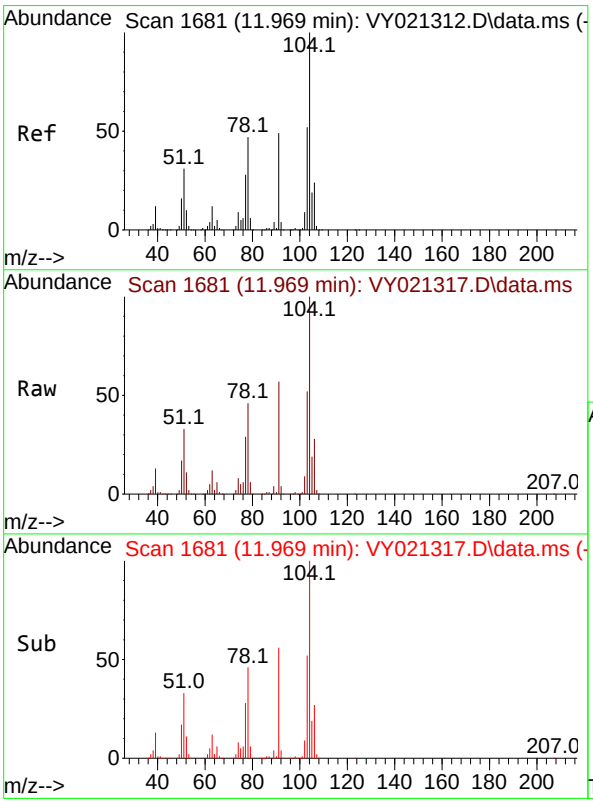
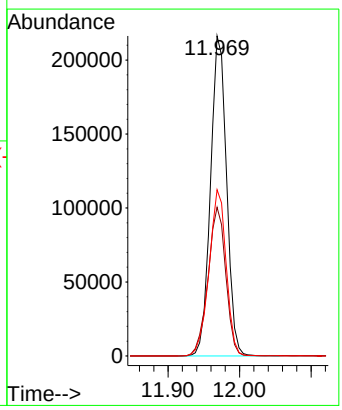
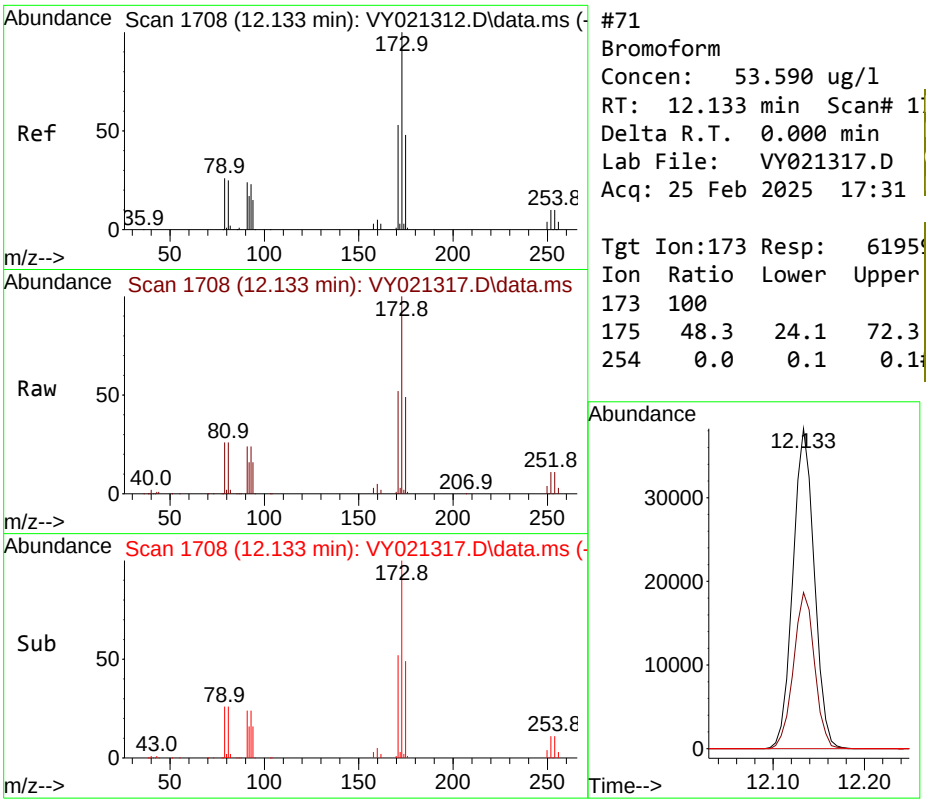



#70
Styrene
Concen: 56.307 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:104 Resp: 337489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.1 | 41.3 | 61.9 |
| 103 | 55.3 | 43.9 | 65.9 |






#71
Bromoform
Concen: 53.590 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:173 Resp: 6195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

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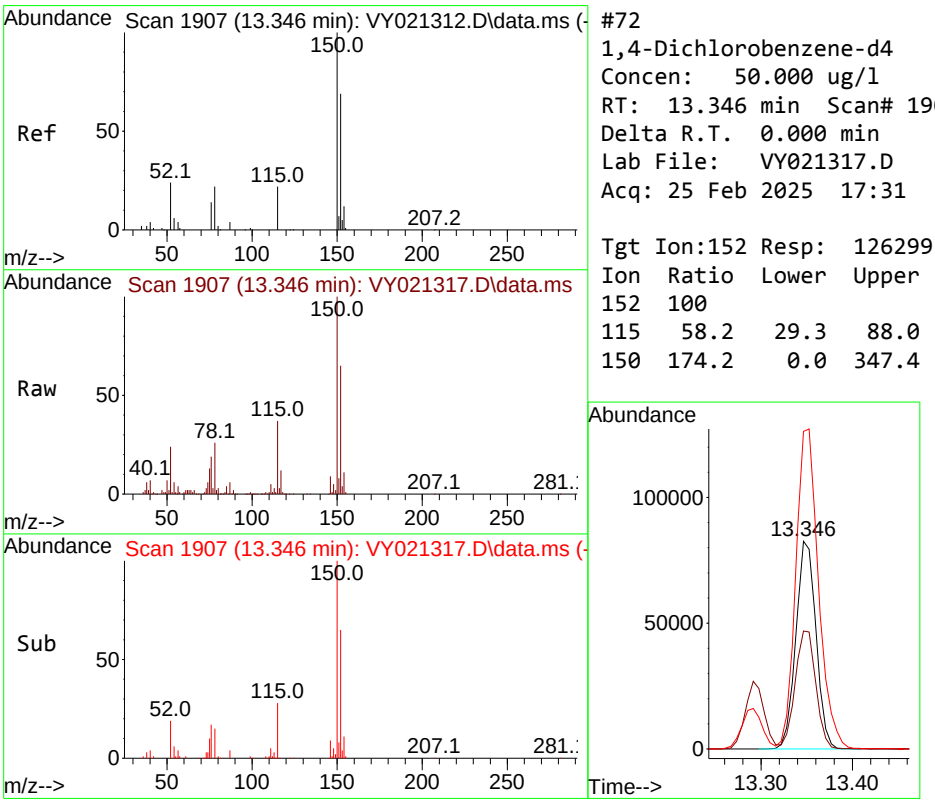
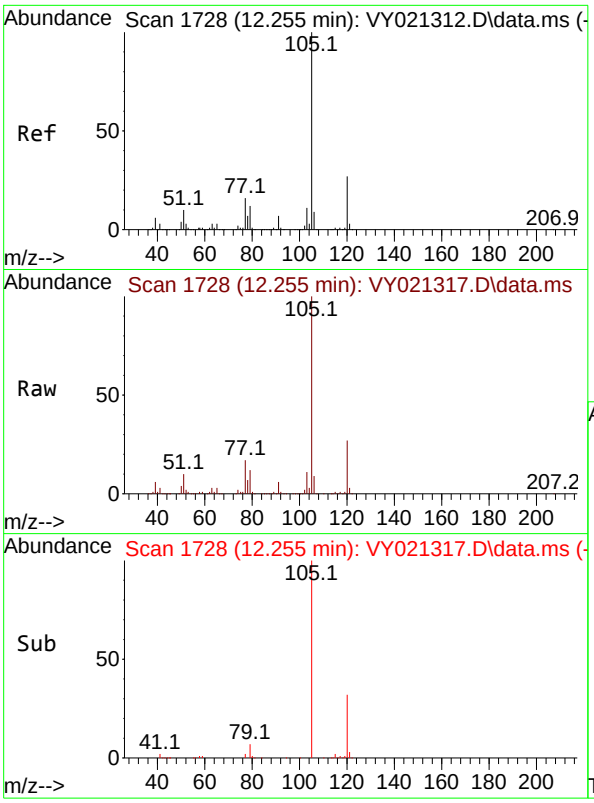



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:152 Resp: 126299

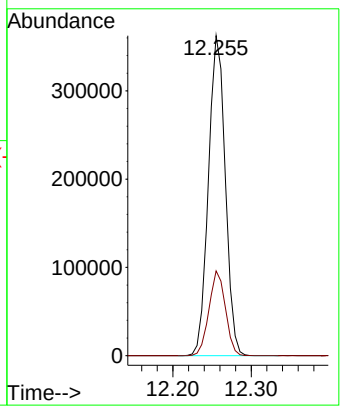
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.2 | 29.3 | 88.0 |
| 150 | 174.2 | 0.0 | 347.4 |




#73
Isopropylbenzene
Concen: 56.974 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 54097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.3 | 39.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

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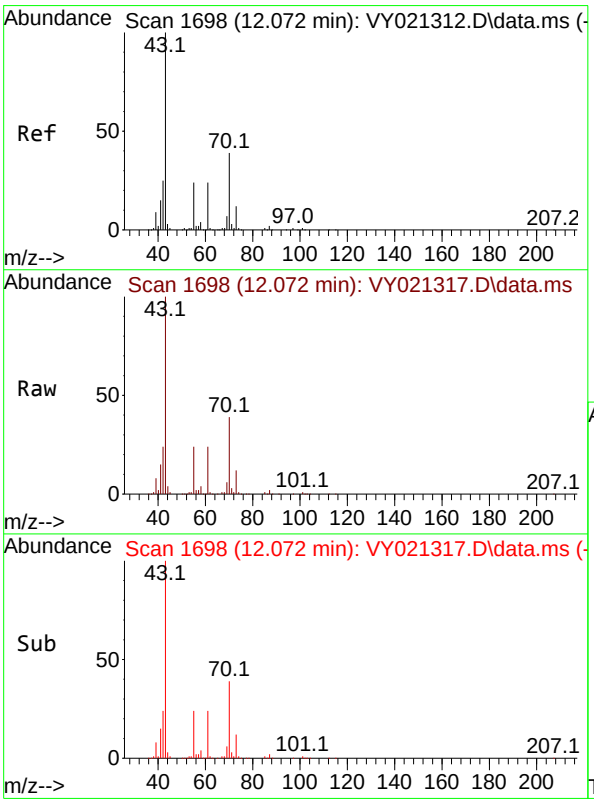
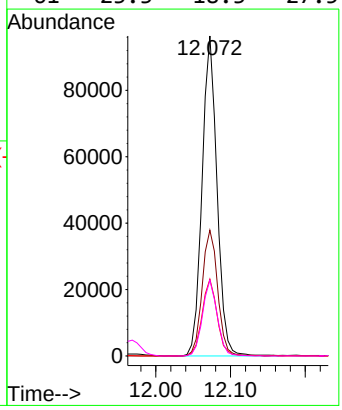
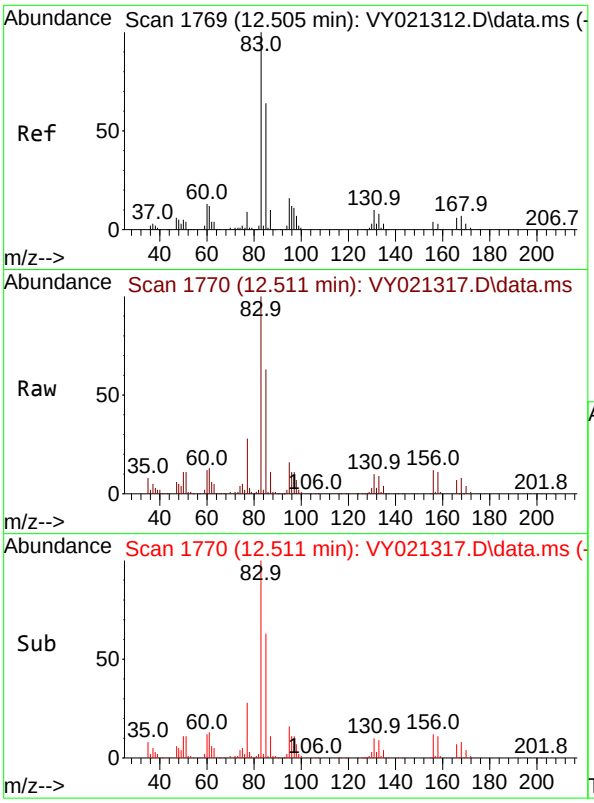



#74
N-amyl acetate
Concen: 55.509 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 133968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.9 | 32.2 | 48.2 |
| 55 | 24.2 | 19.6 | 29.4 |
| 61 | 23.3 | 18.3 | 27.5 |

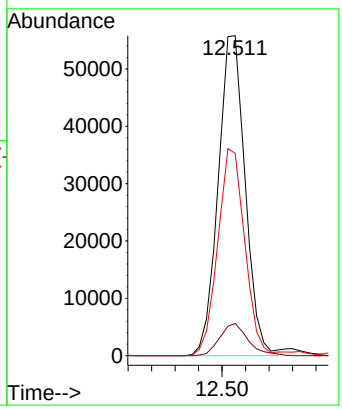





#75
1,1,2,2-Tetrachloroethane
Concen: 53.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 8924

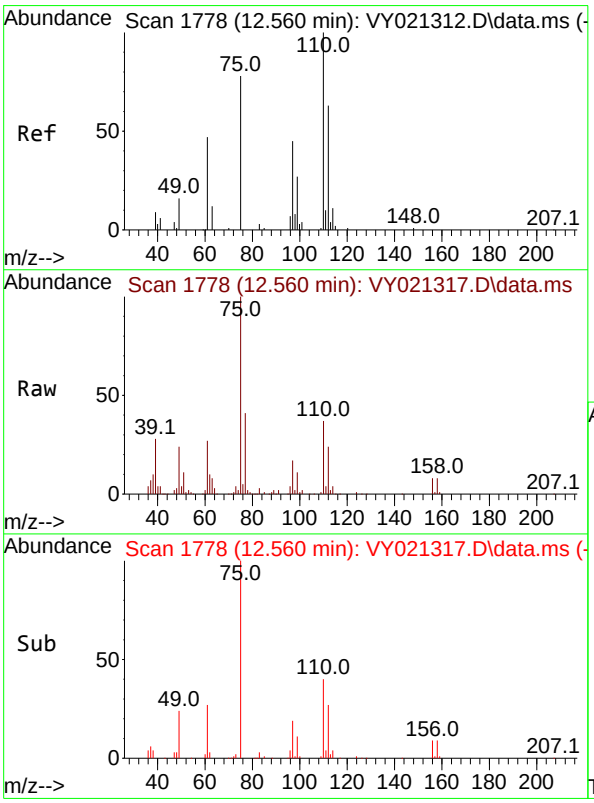
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.5 | 5.2 | 15.6 |
| 85 | 64.7 | 32.0 | 96.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
**APPROVED**

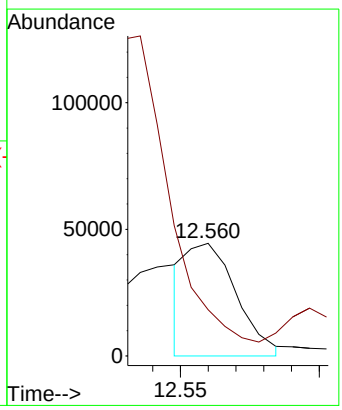
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

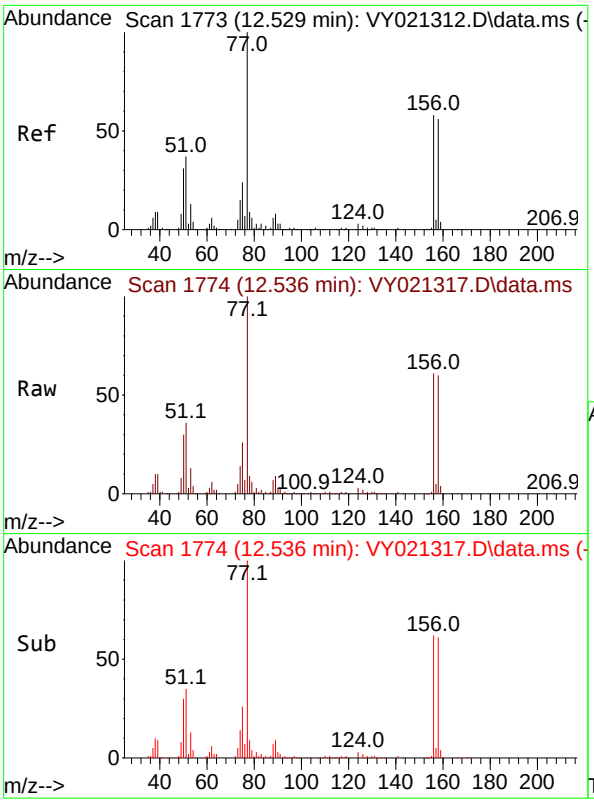



#76
1,2,3-Trichloropropane
Concen: 44.570 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 56345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

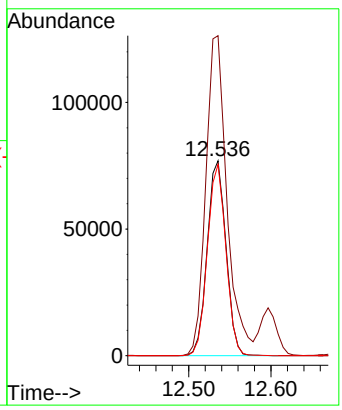





#77
Bromobenzene
Concen: 55.296 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:156 Resp: 12212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.0 | 94.0 | 282.1 |
| 158 | 96.6 | 48.7 | 146.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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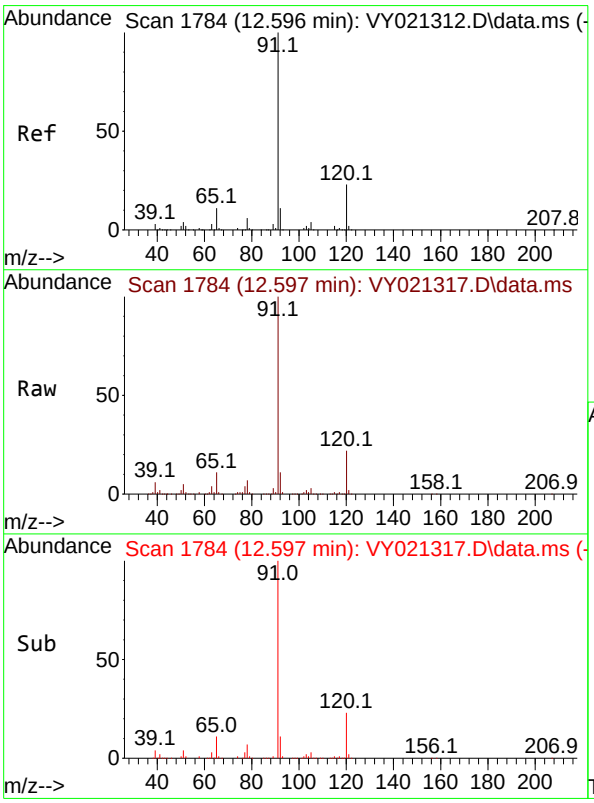
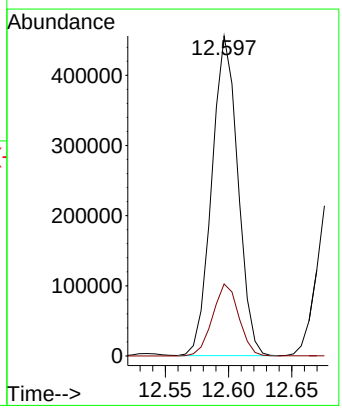
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

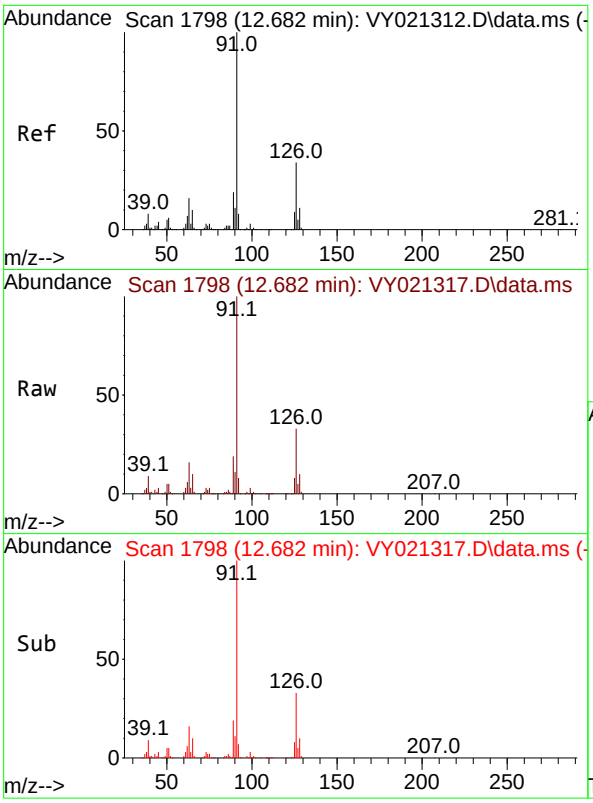



#78
n-propylbenzene
Concen: 56.783 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 654255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.2 | 33.5 |

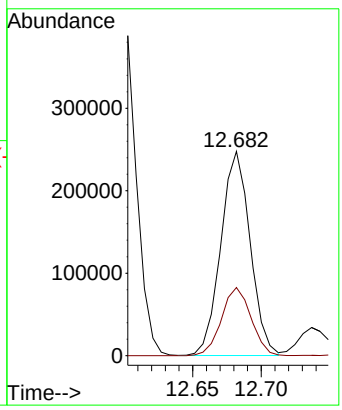





#79
2-Chlorotoluene
Concen: 55.813 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 36906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.9 | 50.6 |




**Instrument :**
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ICVVY022525

**Manual Integrations APPROVED**

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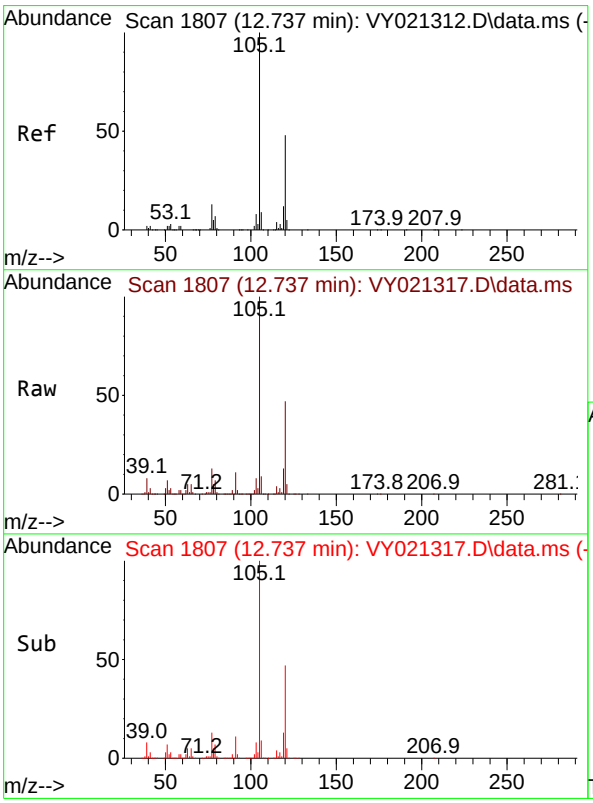
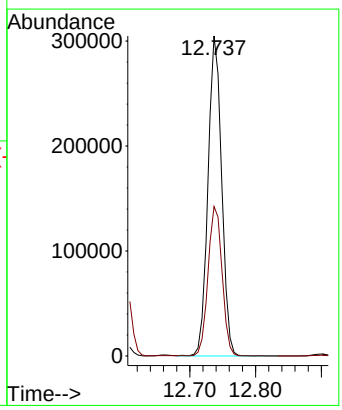
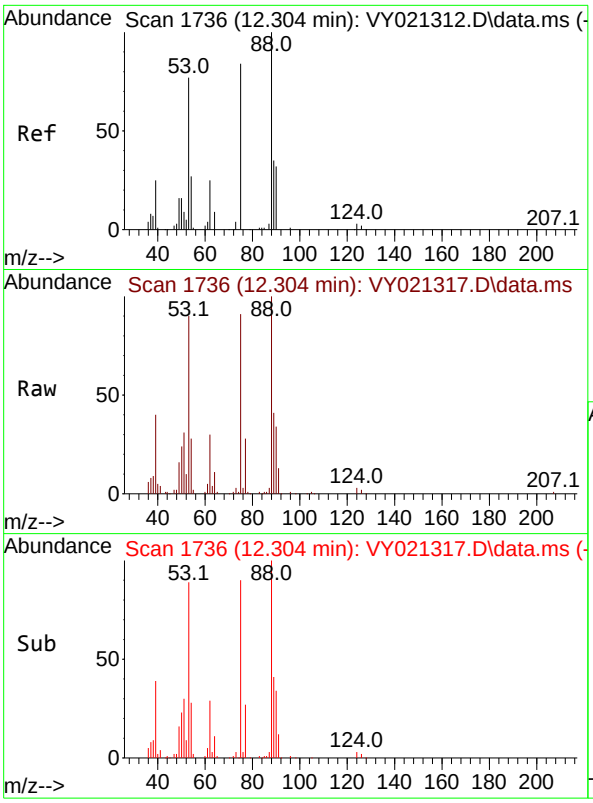



#80
1,3,5-Trimethylbenzene
Concen: 56.549 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 440379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.9 | 24.3 | 73.0 |

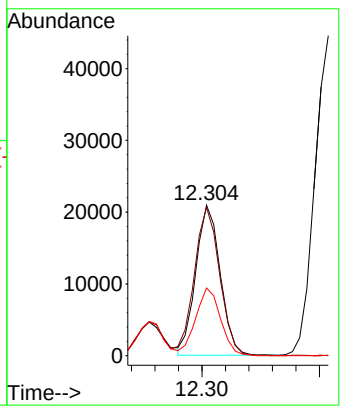





#81
trans-1,4-Dichloro-2-butene
Concen: 53.216 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 3026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.4 | 79.1 | 118.7 |
| 89 | 45.8 | 35.6 | 53.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

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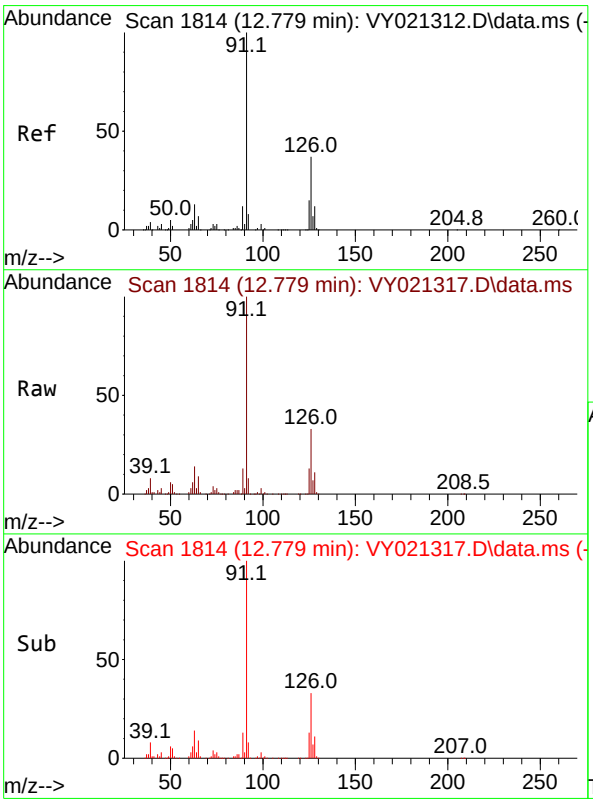
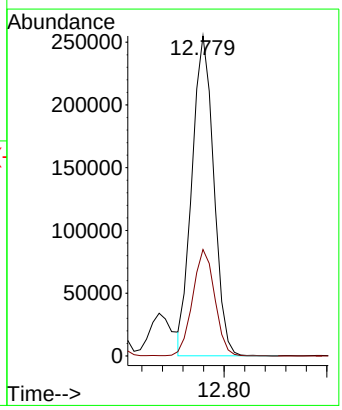
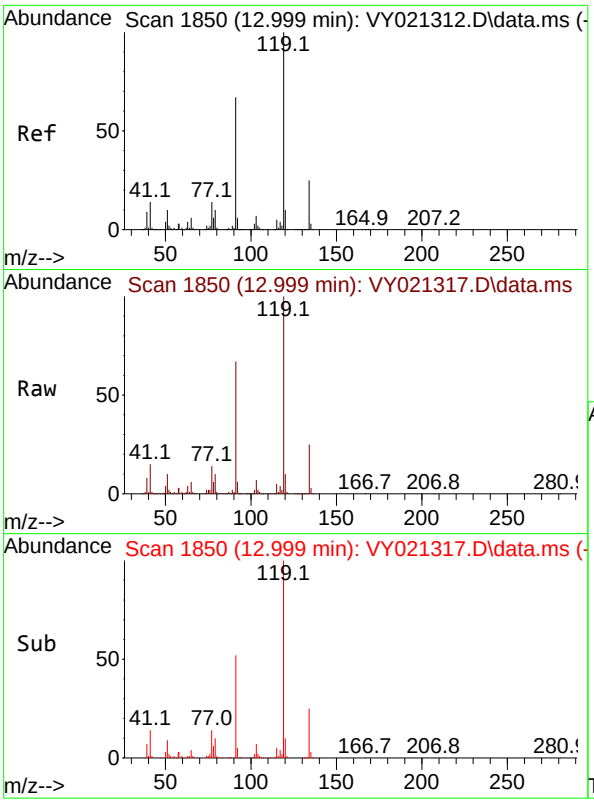



#82
4-Chlorotoluene
Concen: 54.757 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 375340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.9 | 16.8 | 50.4 |

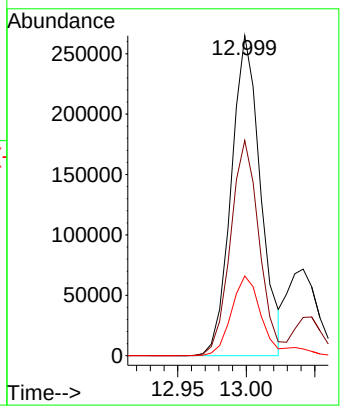





#83
tert-Butylbenzene
Concen: 55.900 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 39322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.5 | 32.7 | 98.1 |
| 134 | 26.8 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
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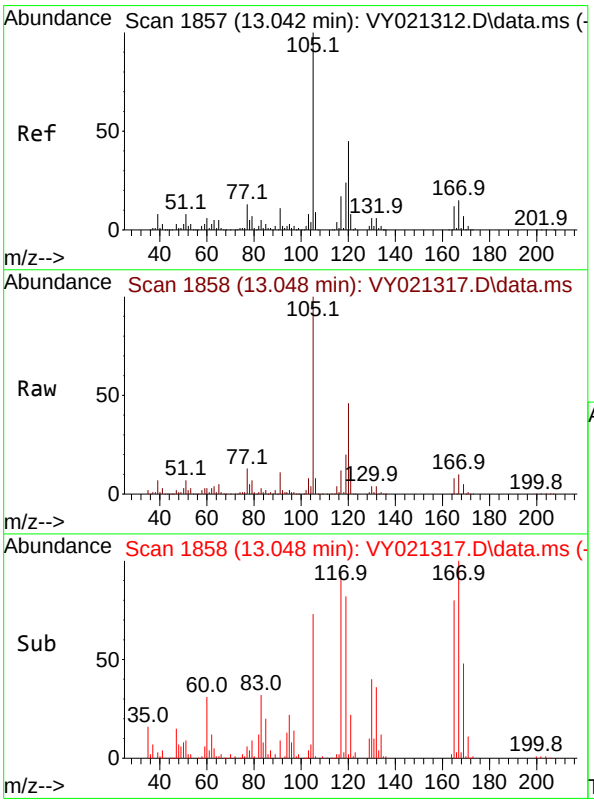
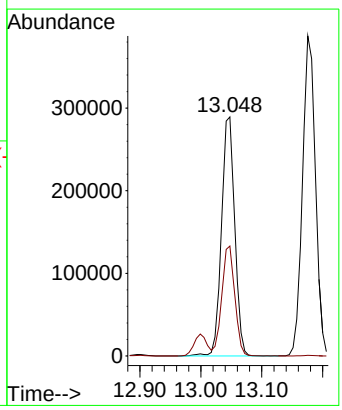
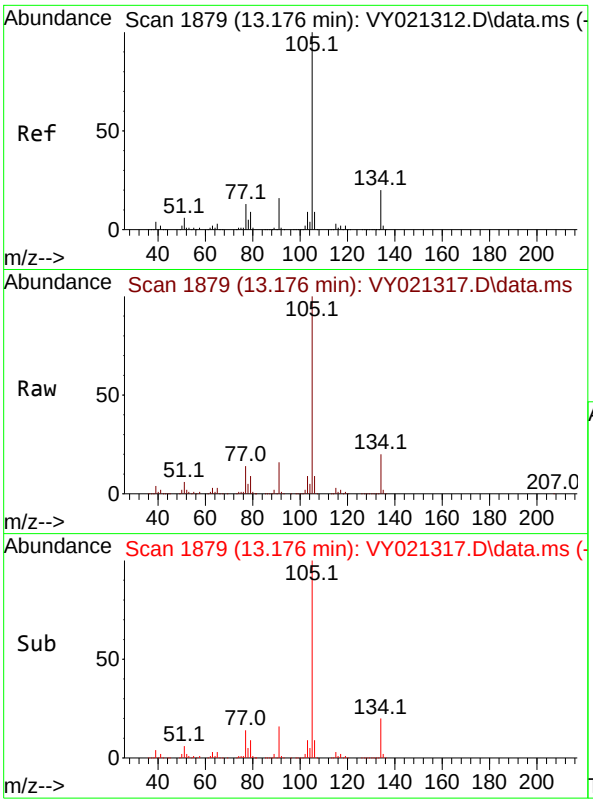



#84
1,2,4-Trimethylbenzene
Concen: 56.621 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 438538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.0 | 22.4 | 67.3 |

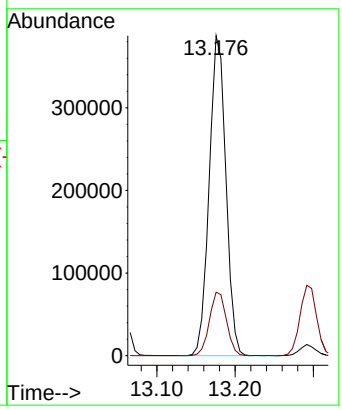





#85
sec-Butylbenzene
Concen: 55.655 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 57187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

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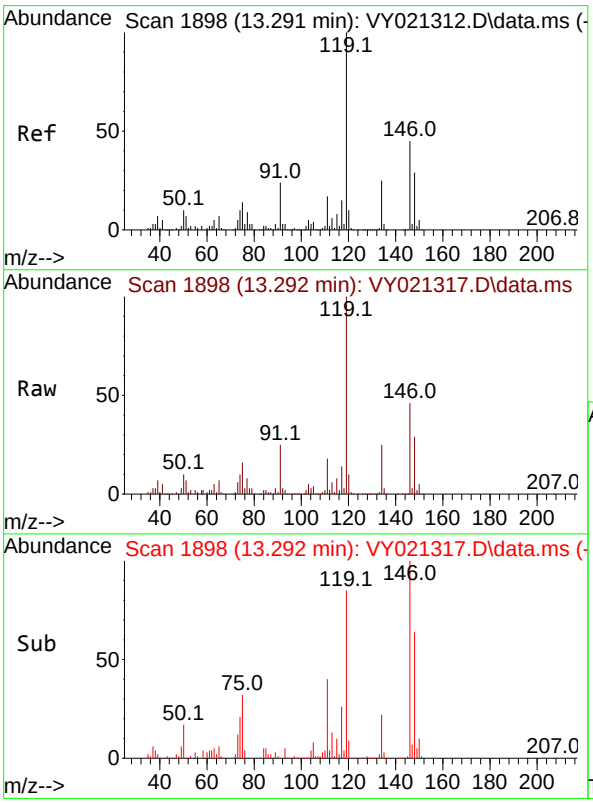
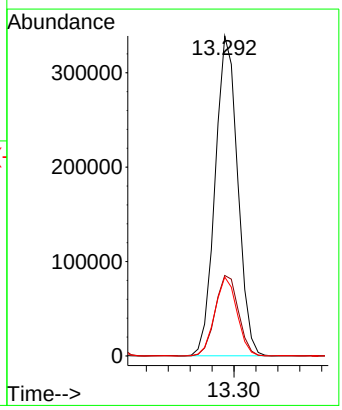
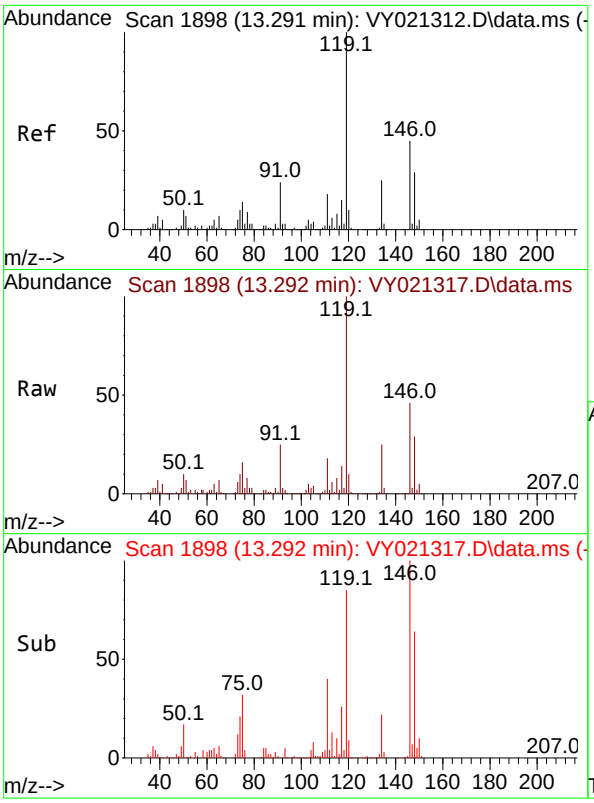



#86
p-Isopropyltoluene
Concen: 56.427 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 484140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.0 | 38.9 |
| 91 | 24.2 | 12.0 | 36.1 |

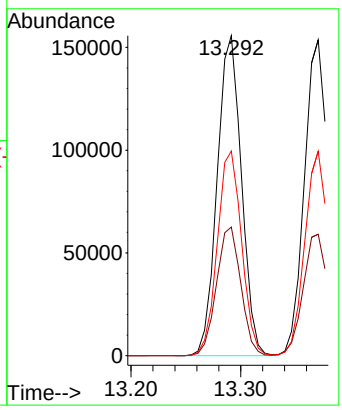





#87
1,3-Dichlorobenzene
Concen: 54.800 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 23940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 20.0 | 59.9 |
| 148 | 64.1 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations APPROVED**

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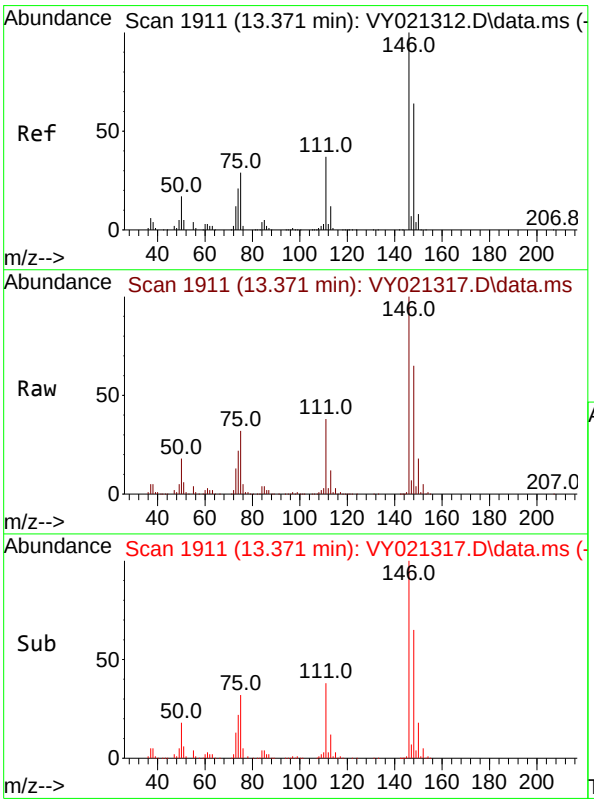
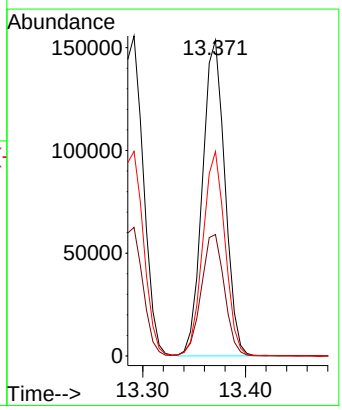
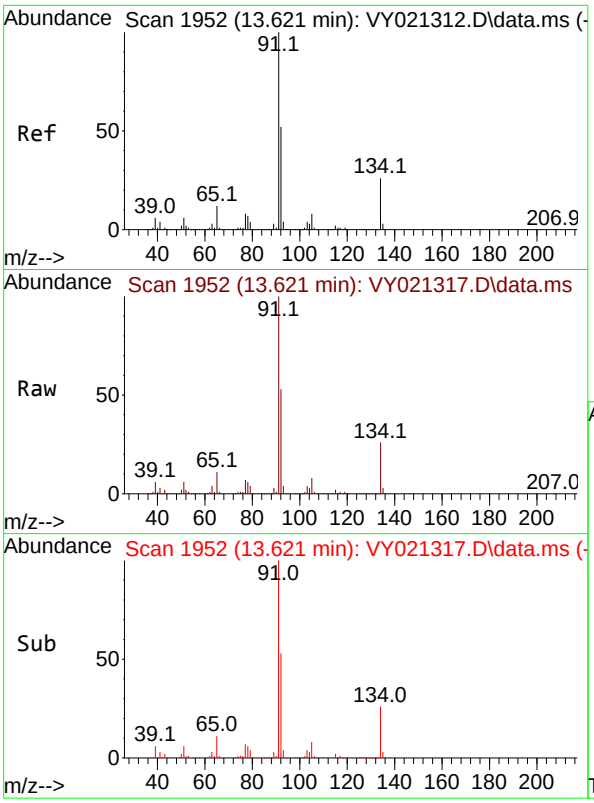



#88
1,4-Dichlorobenzene
Concen: 54.098 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 233477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.7 | 19.5 | 58.5 |
| 148 | 64.2 | 32.0 | 96.2 |

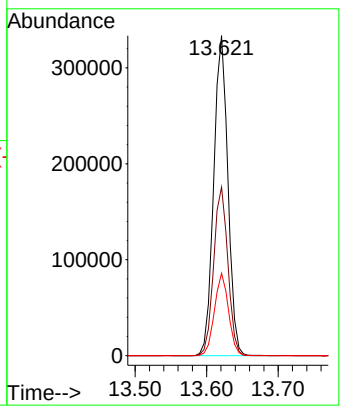





#89
n-Butylbenzene
Concen: 56.856 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 45906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.4 | 79.2 |
| 134 | 25.6 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
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ICVVY022525

**Manual Integrations**
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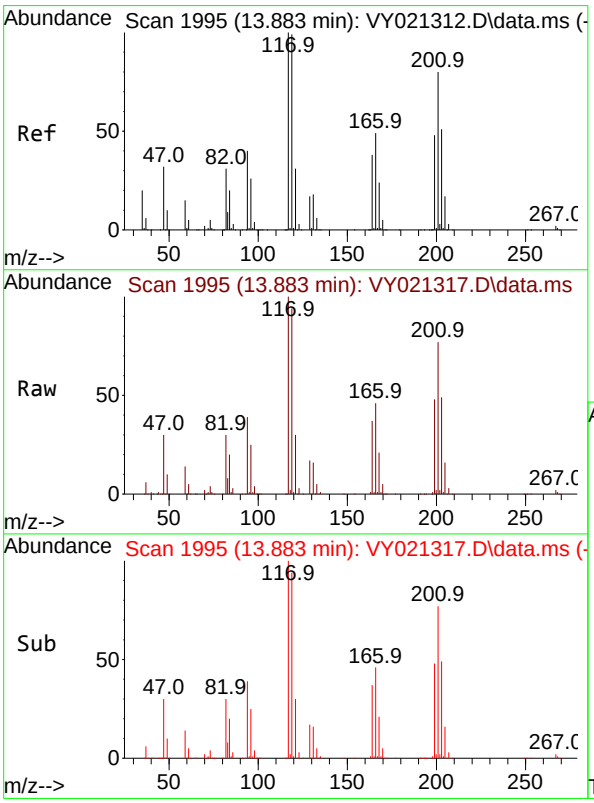
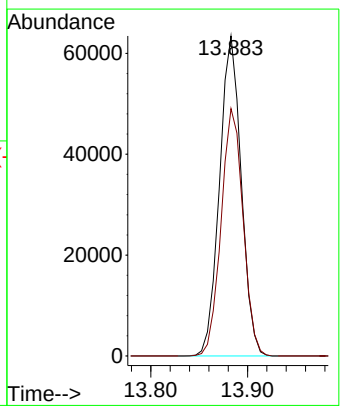
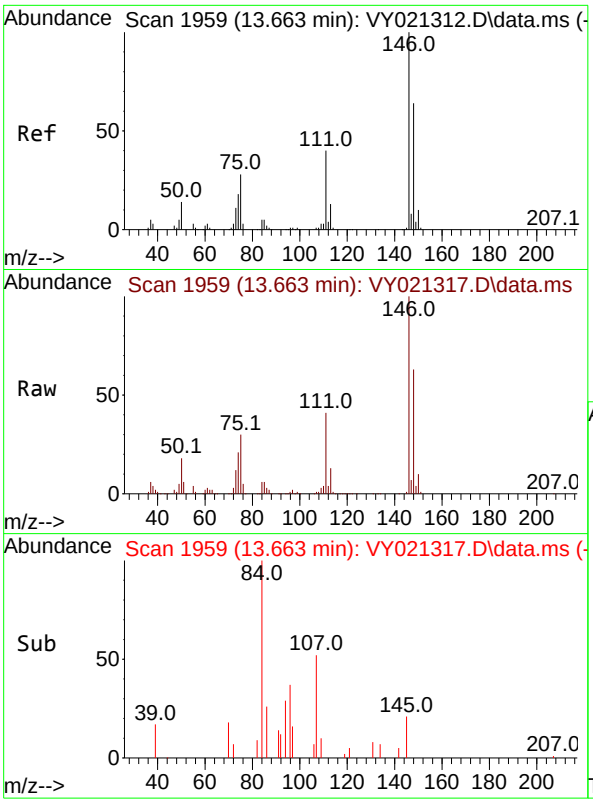



#90
Hexachloroethane
Concen: 55.035 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 98634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.0 | 38.4 | 115.2 |

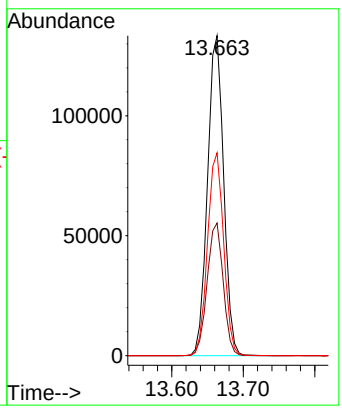





#91
1,2-Dichlorobenzene
Concen: 54.545 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 20877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.7 | 62.1 |
| 148 | 63.4 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
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ICVVY022525

**Manual Integrations**
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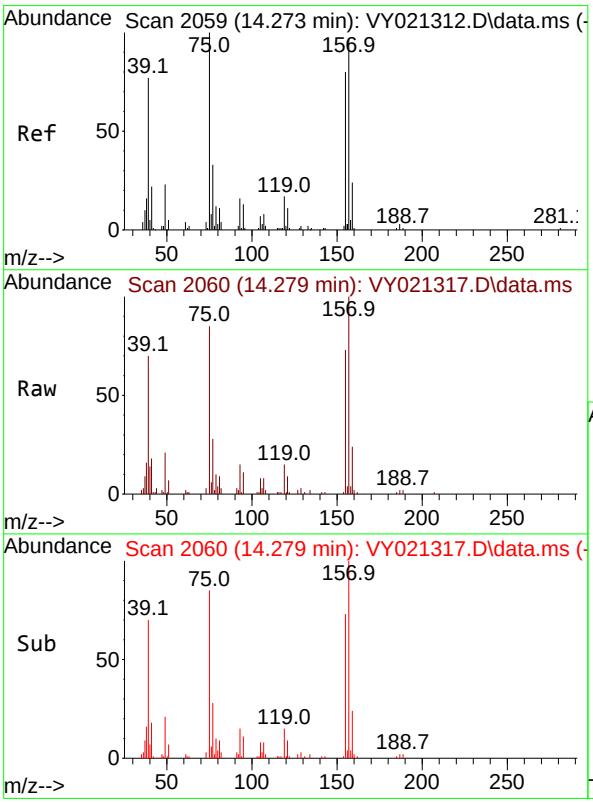
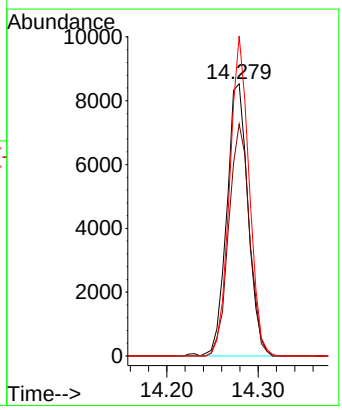
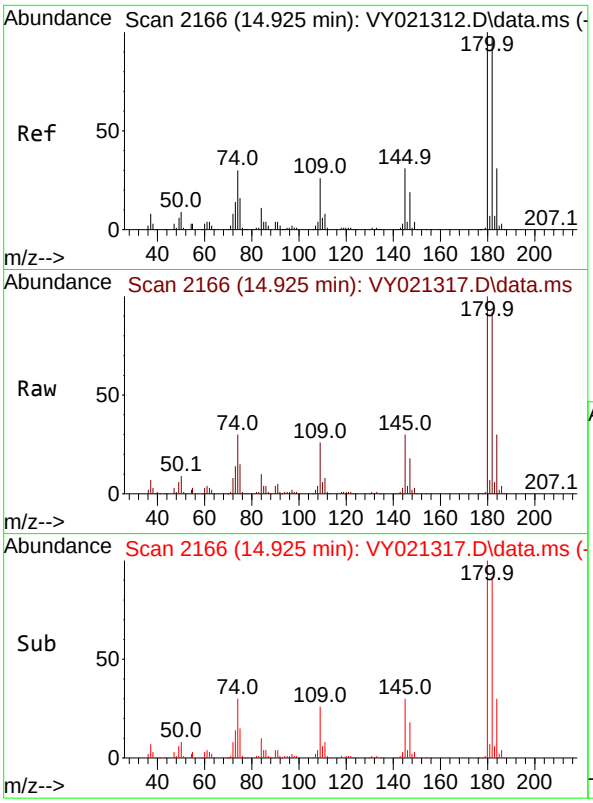



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.137 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 13821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.0 | 41.9 | 125.6 |
| 157 | 107.2 | 52.5 | 157.6 |

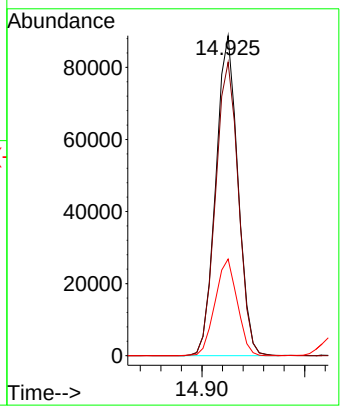





#93
1,2,4-Trichlorobenzene
Concen: 56.703 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 13246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 47.9 | 143.7 |
| 145 | 30.3 | 15.6 | 46.8 |

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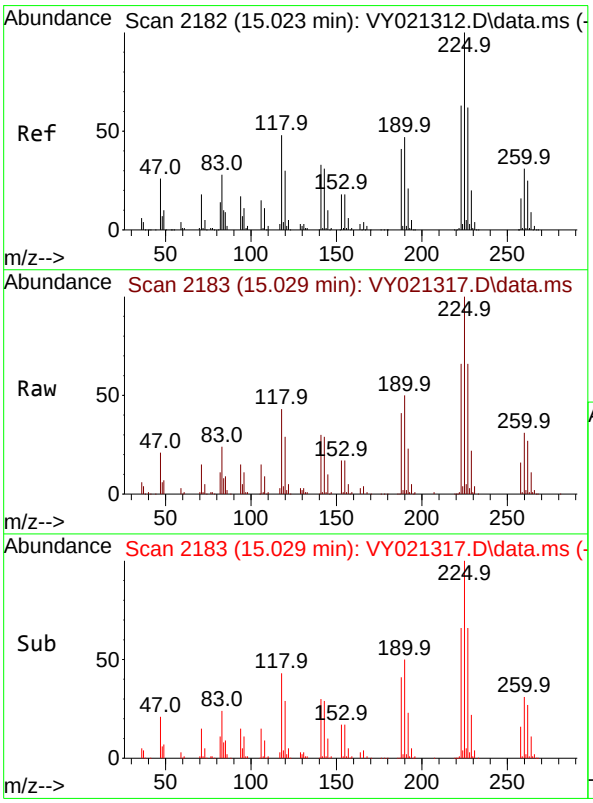
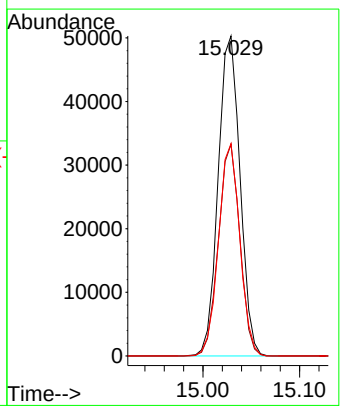
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

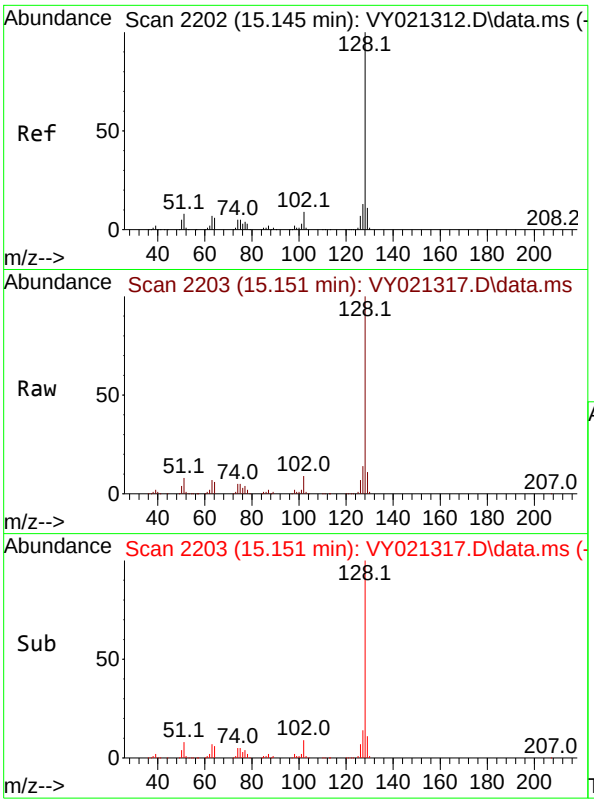



#94
Hexachlorobutadiene
Concen: 53.541 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:225 Resp: 78745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.6 | 31.8 | 95.4 |
| 227 | 64.6 | 31.9 | 95.7 |

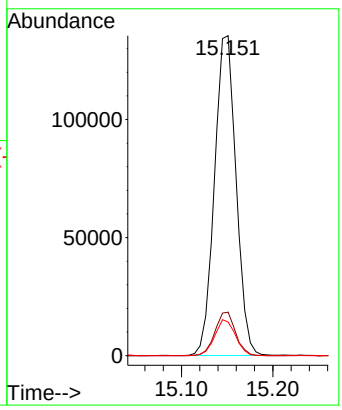





#95
Naphthalene
Concen: 57.589 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:128 Resp: 22283

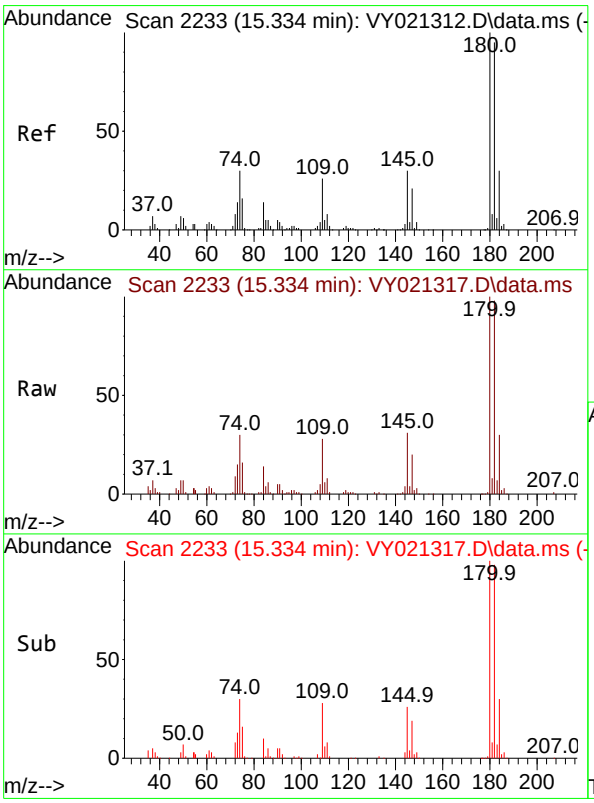
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.5 | 15.7 |
| 129 | 10.9 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

**Manual Integrations**
**APPROVED**

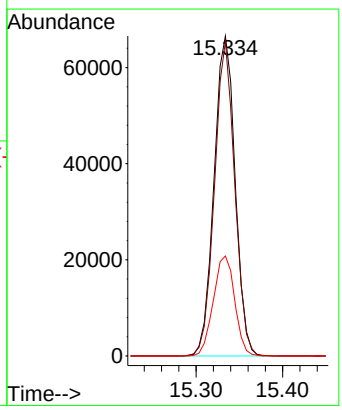
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 56.980 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 112466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 48.3 | 144.9 |
| 145 | 31.7 | 16.1 | 48.3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 0.474 | 0.511 | -7.8 | 109 | 0.00 |
| 3 | P | Chloromethane | 0.612 | 0.655 | -7.0 | 114 | 0.00 |
| 4 | C | Vinyl Chloride | 0.601 | 0.663 | -10.3# | 111 | 0.00 |
| 5 | T | Bromomethane | 0.399 | 0.419 | -5.0 | 114 | 0.00 |
| 6 | T | Chloroethane | 0.373 | 0.408 | -9.4 | 110 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.908 | 0.969 | -6.7 | 108 | 0.00 |
| 8 | T | Diethyl Ether | 0.272 | 0.299 | -9.9 | 109 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.525 | 0.569 | -8.4 | 111 | 0.00 |
| 10 | T | Methyl Iodide | 0.553 | 0.678 | -22.6 | 112 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.044 | 0.039 | 11.4 | 101 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.503 | 0.544 | -8.2# | 111 | 0.00 |
| 13 | T | Acrolein | 0.033 | 0.007 | 78.8# | 108 | 0.00 |
| 14 | T | Allyl chloride | 0.892 | 0.988 | -10.8 | 112 | 0.00 |
| 15 | T | Acrylonitrile | 0.120 | 0.129 | -7.5 | 106 | 0.00 |
| 16 | T | Acetone | 0.109 | 0.099 | 9.2 | 81 | 0.00 |
| 17 | T | Carbon Disulfide | 1.671 | 1.824 | -9.2 | 110 | 0.00 |
| 18 | T | Methyl Acetate | 0.266 | 0.279 | -4.9 | 106 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.329 | 1.444 | -8.7 | 107 | 0.00 |
| 20 | T | Methylene Chloride | 0.588 | 0.601 | -2.2 | 108 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.554 | 0.610 | -10.1 | 111 | 0.00 |
| 22 | T | Diisopropyl ether | 1.846 | 2.052 | -11.2 | 110 | 0.00 |
| 23 | T | Vinyl Acetate | 1.103 | 1.214 | -10.1 | 107 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.040 | 1.144 | -10.0 | 111 | 0.00 |
| 25 | T | 2-Butanone | 0.164 | 0.166 | -1.2 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.944 | 1.017 | -7.7 | 110 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.632 | 0.712 | -12.7 | 112 | 0.00 |
| 28 | T | Bromochloromethane | 0.460 | 0.437 | 5.0 | 101 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.107 | 0.112 | -4.7 | 102 | 0.00 |
| 30 | C | Chloroform | 1.054 | 1.160 | -10.1# | 111 | 0.00 |
| 31 | T | Cyclohexane | 1.000 | 1.044 | -4.4 | 111 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.960 | 1.057 | -10.1 | 112 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.567 | 0.538 | 5.1 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.328 | 0.321 | 2.1 | 106 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.492 | 0.538 | -9.3 | 112 | 0.00 |
| 37 | T | Ethyl Acetate | 0.245 | 0.249 | -1.6 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.554 | 0.600 | -8.3 | 111 | 0.00 |
| 39 | T | Methylcyclohexane | 0.623 | 0.678 | -8.8 | 110 | 0.00 |
| 40 | TM | Benzene | 1.456 | 1.589 | -9.1 | 111 | 0.00 |
| 41 | T | Methacrylonitrile | 0.137 | 0.135 | 1.5 | 99 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.413 | 0.444 | -7.5 | 110 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.474 | 0.497 | -4.9 | 104 | 0.00 |
| 44 | TM | Trichloroethene | 0.364 | 0.400 | -9.9 | 112 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.382 | -9.1# | 110 | 0.00 |
| 46 | T | Dibromomethane | 0.191 | 0.209 | -9.4 | 110 | 0.00 |
| 47 | T | Bromodichloromethane | 0.511 | 0.556 | -8.8 | 110 | 0.00 |
| 48 | T | Methyl methacrylate | 0.222 | 0.244 | -9.9 | 106 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 0.002 | 0.002 | 0.0 | 107 | 0.00 |
| 50 | S | Toluene-d8 | 1.267 | 1.234 | 2.6 | 106 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.243 | 0.255 | -4.9 | 102 | 0.00 |
| 52 | CM | Toluene | 0.904 | 1.007 | -11.4# | 112 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.468 | 0.521 | -11.3 | 108 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.552 | 0.612 | -10.9 | 111 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.249 | 0.266 | -6.8 | 107 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.345 | 0.384 | -11.3 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.438 | 0.477 | -8.9 | 109 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.165 | 0.152 | 7.9 | 85 | 0.00 |
| 59 | T | 2-Hexanone | 0.159 | 0.168 | -5.7 | 99 | 0.00 |
| 60 | T | Dibromochloromethane | 0.340 | 0.369 | -8.5 | 108 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.236 | 0.255 | -8.1 | 108 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.426 | 0.414 | 2.8 | 105 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 0.378 | 0.400 | -5.8 | 110 | 0.00 |
| 65 | PM | Chlorobenzene | 1.122 | 1.221 | -8.8 | 111 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.393 | 0.429 | -9.2 | 111 | 0.00 |
| 67 | C | Ethyl Benzene | 1.988 | 2.226 | -12.0# | 112 | 0.00 |
| 68 | T | m/p-Xylenes | 0.748 | 0.832 | -11.2 | 111 | 0.00 |
| 69 | T | o-Xylene | 0.701 | 0.786 | -12.1 | 111 | 0.00 |
| 70 | T | Styrene | 1.166 | 1.313 | -12.6 | 110 | 0.00 |
| 71 | P | Bromoform | 0.225 | 0.241 | -7.1 | 105 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 73 | T | Isopropylbenzene | 3.759 | 4.283 | -13.9 | 112 | 0.00 |
| 74 | T | N-amyl acetate | 0.955 | 1.061 | -11.1 | 104 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.663 | 0.707 | -6.6 | 105 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.500 | 0.446 | 10.8 | 88 | 0.00 |
| 77 | T | Bromobenzene | 0.874 | 0.967 | -10.6 | 110 | 0.00 |
| 78 | T | n-propylbenzene | 4.561 | 5.180 | -13.6 | 111 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.618 | 2.922 | -11.6 | 112 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.083 | 3.487 | -13.1 | 111 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.225 | 0.240 | -6.7 | 102 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.714 | 2.972 | -9.5 | 110 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.785 | 3.113 | -11.8 | 112 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.066 | 3.472 | -13.2 | 111 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.068 | 4.528 | -11.3 | 110 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.397 | 3.833 | -12.8 | 111 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.730 | 1.896 | -9.6 | 110 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.709 | 1.849 | -8.2 | 110 | 0.00 |
| 89 | T | n-Butylbenzene | 3.196 | 3.635 | -13.7 | 110 | 0.00 |
| 90 | T | Hexachloroethane | 0.710 | 0.781 | -10.0 | 112 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.515 | 1.653 | -9.1 | 109 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.105 | 0.109 | -3.8 | 100 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.925 | 1.049 | -13.4 | 112 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.582 | 0.623 | -7.0 | 109 | 0.00 |
| 95 | T | Naphthalene | 1.532 | 1.764 | -15.1 | 106 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 0.781 | 0.890 | -14.0 | 112 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 53.871 | -7.7 | 109 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 53.523 | -7.0 | 114 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 55.184 | -10.4# | 111 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 52.483 | -5.0 | 114 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 54.804 | -9.6 | 110 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.384 | -6.8 | 108 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.849 | -9.7 | 109 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 54.188 | -8.4 | 111 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 61.361 | -22.7 | 112 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 221.762 | 11.3 | 101 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 54.104 | -8.2# | 111 | 0.00 |
| 13 | T | Acrolein | 250.000 | 51.554 | 79.4# | 108 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 55.361 | -10.7 | 112 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 267.274 | -6.9 | 106 | 0.00 |
| 16 | T | Acetone | 250.000 | 227.197 | 9.1 | 81 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 54.581 | -9.2 | 110 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 52.372 | -4.7 | 106 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 54.311 | -8.6 | 107 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.062 | -2.1 | 108 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 55.044 | -10.1 | 111 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 55.595 | -11.2 | 110 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 275.197 | -10.1 | 107 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 55.004 | -10.0 | 111 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 253.246 | -1.3 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 53.893 | -7.8 | 110 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 56.305 | -12.6 | 112 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.452 | 5.1 | 101 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 260.172 | -4.1 | 102 | 0.00 |
| 30 | C | Chloroform | 50.000 | 55.023 | -10.0# | 111 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 52.180 | -4.4 | 111 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 55.084 | -10.2 | 112 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.453 | 5.1 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.037 | 1.9 | 106 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 54.593 | -9.2 | 112 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.864 | -1.7 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 54.157 | -8.3 | 111 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 54.397 | -8.8 | 110 | 0.00 |
| 40 | TM | Benzene | 50.000 | 54.583 | -9.2 | 111 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 49.244 | 1.5 | 99 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.746 | -7.5 | 110 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 52.380 | -4.8 | 104 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 54.930 | -9.9 | 112 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 54.464 | -8.9# | 110 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.539 | -9.1 | 110 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.489 | -9.0 | 110 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 55.076 | -10.2 | 106 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 1053.076 | -5.3 | 107 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.694 | 2.6 | 106 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 262.628 | -5.1 | 102 | 0.00 |
| 52 | CM | Toluene | 50.000 | 55.674 | -11.3# | 112 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 55.699 | -11.4 | 108 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 55.451 | -10.9 | 111 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.263 | -6.5 | 107 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 55.679 | -11.4 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.438 | -8.9 | 109 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 228.990 | 8.4 | 85 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 264.133 | -5.7 | 99 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.329 | -8.7 | 108 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.942 | -7.9 | 108 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.549 | 2.9 | 105 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 52.940 | -5.9 | 110 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 54.410 | -8.8 | 111 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.517 | -9.0 | 111 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 55.992 | -12.0# | 112 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 111.274 | -11.3 | 111 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 56.108 | -12.2 | 111 | 0.00 |
| 70 | T | Styrene | 50.000 | 56.307 | -12.6 | 110 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.590 | -7.2 | 105 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 104 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 56.974 | -13.9 | 112 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 55.509 | -11.0 | 104 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.254 | -6.5 | 105 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.570 | 10.9 | 88 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 55.296 | -10.6 | 110 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 56.783 | -13.6 | 111 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 55.813 | -11.6 | 112 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 56.549 | -13.1 | 111 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.216 | -6.4 | 102 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 54.757 | -9.5 | 110 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 55.900 | -11.8 | 112 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 56.621 | -13.2 | 111 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 55.655 | -11.3 | 110 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 56.427 | -12.9 | 111 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 54.800 | -9.6 | 110 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 54.098 | -8.2 | 110 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 56.856 | -13.7 | 110 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 55.035 | -10.1 | 112 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 54.545 | -9.1 | 109 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 52.137 | -4.3 | 100 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 56.703 | -13.4 | 112 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 53.541 | -7.1 | 109 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 57.589 | -15.2 | 106 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 56.980 | -14.0 | 112 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/19/2025 14:55

Lab File ID: VY021236.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.446 | 0.387 | | -13.23 | 20 |
| Chloromethane | 0.440 | 0.431 | 0.1 | -2.05 | 20 |
| Vinyl Chloride | 0.443 | 0.466 | | 5.19 | 20 |
| Bromomethane | 0.274 | 0.268 | | -2.19 | 20 |
| Chloroethane | 0.263 | 0.286 | | 8.74 | 20 |
| Tetrahydrofuran | 0.089 | 0.090 | | 1.12 | 20 |
| Trichlorofluoromethane | 0.806 | 0.806 | | 0 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.506 | 0.489 | | -3.36 | 20 |
| 1,1-Dichloroethene | 0.477 | 0.455 | | -4.61 | 20 |
| Acrylonitrile | 0.105 | 0.107 | | 1.9 | 20 |
| Acetone | 0.080 | 0.083 | | 3.75 | 20 |
| Carbon Disulfide | 1.495 | 1.273 | | -14.85 | 20 |
| Methyl tert-butyl Ether | 1.205 | 1.247 | | 3.48 | 20 |
| Methylene Chloride | 0.497 | 0.494 | | -0.6 | 20 |
| trans-1,2-Dichloroethene | 0.525 | 0.503 | | -4.19 | 20 |
| 1,1-Dichloroethane | 0.970 | 0.977 | 0.1 | 0.72 | 20 |
| 2-Butanone | 0.131 | 0.135 | | 3.05 | 20 |
| Carbon Tetrachloride | 0.555 | 0.538 | | -3.06 | 20 |
| 2,2-Dichloropropane | 0.898 | 0.891 | | -0.78 | 20 |
| cis-1,2-Dichloroethene | 0.604 | 0.603 | | -0.17 | 20 |
| Chloroform | 0.997 | 1.001 | | 0.4 | 20 |
| 1,1,1-Trichloroethane | 0.927 | 0.926 | | -0.11 | 20 |
| 1,1-Dichloropropene | 0.475 | 0.457 | | -3.79 | 20 |
| Benzene | 1.393 | 1.364 | | -2.08 | 20 |
| 1,2-Dichloroethane | 0.386 | 0.384 | | -0.52 | 20 |
| Trichloroethene | 0.360 | 0.351 | | -2.5 | 20 |
| 1,2-Dichloropropane | 0.331 | 0.339 | | 2.42 | 20 |
| Dibromomethane | 0.183 | 0.180 | | -1.64 | 20 |
| Bromodichloromethane | 0.491 | 0.497 | | 1.22 | 20 |
| 4-Methyl-2-Pentanone | 0.208 | 0.218 | | 4.81 | 20 |
| Toluene | 0.875 | 0.869 | | -0.69 | 20 |
| t-1,3-Dichloropropene | 0.441 | 0.461 | | 4.53 | 20 |
| cis-1,3-Dichloropropene | 0.522 | 0.538 | | 3.07 | 20 |
| 1,1,2-Trichloroethane | 0.237 | 0.237 | | 0 | 20 |
| 1,3-Dichloropropane | 0.410 | 0.425 | | 3.66 | 20 |
| 2-Hexanone | 0.134 | 0.144 | | 7.46 | 20 |
| Dibromochloromethane | 0.333 | 0.339 | | 1.8 | 20 |
| 1,2-Dibromoethane | 0.222 | 0.218 | | -1.8 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/19/2025 14:55

Lab File ID: VY021236.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Tetrachloroethene | 0.371 | 0.356 | | -4.04 | 20 |
| Chlorobenzene | 1.113 | 1.109 | 0.3 | -0.36 | 20 |
| 1,1,1,2-Tetrachloroethane | 0.396 | 0.396 | | 0 | 20 |
| Ethyl Benzene | 1.969 | 1.992 | | 1.17 | 20 |
| m/p-Xylenes | 0.737 | 0.734 | | -0.41 | 20 |
| o-Xylene | 0.687 | 0.708 | | 3.06 | 20 |
| Styrene | 1.145 | 1.182 | | 3.23 | 20 |
| Bromoform | 0.220 | 0.219 | 0.1 | -0.46 | 20 |
| Isopropylbenzene | 3.906 | 4.141 | | 6.02 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.650 | 0.643 | 0.3 | -1.08 | 20 |
| 1,2,3-Trichloropropane | 0.454 | 0.435 | | -4.18 | 20 |
| Bromobenzene | 0.901 | 0.886 | | -1.66 | 20 |
| n-propylbenzene | 4.653 | 4.776 | | 2.64 | 20 |
| 2-Chlorotoluene | 2.665 | 2.695 | | 1.13 | 20 |
| 1,3,5-Trimethylbenzene | 3.167 | 3.206 | | 1.23 | 20 |
| 4-Chlorotoluene | 2.715 | 2.949 | | 8.62 | 20 |
| tert-Butylbenzene | 2.878 | 2.926 | | 1.67 | 20 |
| 1,2,4-Trimethylbenzene | 3.096 | 3.199 | | 3.33 | 20 |
| sec-Butylbenzene | 4.143 | 4.321 | | 4.3 | 20 |
| p-Isopropyltoluene | 3.442 | 3.561 | | 3.46 | 20 |
| 1,3-Dichlorobenzene | 1.740 | 1.736 | | -0.23 | 20 |
| 1,4-Dichlorobenzene | 1.714 | 1.688 | | -1.52 | 20 |
| n-Butylbenzene | 3.140 | 3.366 | | 7.2 | 20 |
| 1,2-Dichlorobenzene | 1.510 | 1.502 | | -0.53 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.097 | 0.102 | | 5.16 | 20 |
| 1,2,4-Trichlorobenzene | 0.841 | 0.910 | | 8.2 | 20 |
| Hexachlorobutadiene | 0.557 | 0.579 | | 3.95 | 20 |
| 1,2,3-Trichlorobenzene | 0.700 | 0.748 | | 6.86 | 20 |
| 1,2-Dichloroethane-d4 | 0.512 | 0.470 | | -8.2 | 20 |
| Dibromofluoromethane | 0.320 | 0.299 | | -6.56 | 20 |
| Toluene-d8 | 1.220 | 1.094 | | -10.33 | 20 |
| 4-Bromofluorobenzene | 0.399 | 0.376 | | -5.76 | 20 |
| trans-1,4-Dichloro-2-butene | 0.222 | 0.944 | | 325.23 | 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_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 200462 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.628 | 114 | 311138 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 266562 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152 | 126814 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.073 | 65 | 94135 | 45.832 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 91.660% | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 93179 | 46.730 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 93.460% | | | |
| 50) Toluene-d8 | 10.115 | 98 | 340426 | 44.845 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 89.680% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 117047 | 47.196 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 94.400% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.873 | 85 | 77551 | 43.405 | ug/l | 98 |
| 3) Chloromethane | 2.074 | 50 | 86476 | 49.049 | ug/l | 97 |
| 4) Vinyl Chloride | 2.214 | 62 | 93493 | 52.685 | ug/l | 97 |
| 5) Bromomethane | 2.611 | 94 | 53715 | 48.974 | ug/l | 97 |
| 6) Chloroethane | 2.745 | 64 | 57311 | 54.253 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 161473 | 49.946 | ug/l | 97 |
| 8) Diethyl Ether | 3.464 | 74 | 52022 | 51.545 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 98042 | 48.319 | ug/l | 96 |
| 10) Methyl Iodide | 4.019 | 142 | 110553 | 49.042 | ug/l | 93 |
| 11) Tert butyl alcohol | 4.903 | 59 | 31554 | 226.709 | ug/l # | 89 |
| 12) 1,1-Dichloroethene | 3.805 | 96 | 91137 | 47.682 | ug/l | 92 |
| 13) Acrolein | 3.665 | 56 | 38701 | 180.571 | ug/l | 99 |
| 14) Allyl chloride | 4.397 | 41 | 164021 | 50.917 | ug/l | 95 |
| 15) Acrylonitrile | 5.080 | 53 | 106975 | 254.538 | ug/l | 99 |
| 16) Acetone | 3.891 | 43 | 83071 | 259.354 | ug/l | 99 |
| 17) Carbon Disulfide | 4.122 | 76 | 255144 | 42.570 | ug/l | 99 |
| 18) Methyl Acetate | 4.403 | 43 | 60873 | 54.139 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.134 | 73 | 250004 | 51.750 | ug/l | 96 |
| 20) Methylene Chloride | 4.628 | 84 | 98938 | 49.688 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 5.128 | 96 | 100860 | 47.939 | ug/l | 94 |
| 22) Diisopropyl ether | 6.031 | 45 | 349042 | 52.568 | ug/l | 98 |
| 23) Vinyl Acetate | 5.976 | 43 | 959119 | 259.121 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 195868 | 50.349 | ug/l | 98 |
| 25) 2-Butanone | 6.909 | 43 | 135277 | 257.014 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 6.902 | 77 | 178662 | 49.635 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 120858 | 49.906 | ug/l | 92 |
| 28) Bromochloromethane | 7.256 | 49 | 78475 | 51.015 | ug/l | 98 |
| 29) Tetrahydrofuran | 7.280 | 42 | 90325 | 253.611 | ug/l | 95 |
| 30) Chloroform | 7.433 | 83 | 200620 | 50.208 | ug/l | 99 |
| 31) Cyclohexane | 7.713 | 56 | 162999 | 46.529 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 185557 | 49.948 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 7.847 | 75 | 142250 | 48.164 | ug/l | 99 |
| 37) Ethyl Acetate | 7.000 | 43 | 66109 | 51.024 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.829 | 117 | 167388 | 48.505 | ug/l | 99 |
| 39) Methylcyclohexane | 9.122 | 83 | 180580 | 49.986 | ug/l | 96 |
| 40) Benzene | 8.091 | 78 | 424435 | 48.970 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.238 | 41 | 38118 | 50.853 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 8.170 | 62 | 119521 | 49.711 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.207 | 43 | 135143 | 52.494 | ug/l | # | 84 |
| 44) Trichloroethene | 8.878 | 130 | 109079 | 48.712 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 9.152 | 63 | 105592 | 51.328 | ug/l | | 96 |
| 46) Dibromomethane | 9.237 | 93 | 55920 | 49.095 | ug/l | | 96 |
| 47) Bromodichloromethane | 9.432 | 83 | 154682 | 50.636 | ug/l | | 97 |
| 48) Methyl methacrylate | 9.231 | 41 | 63766 | 54.376 | ug/l | | 94 |
| 49) 1,4-Dioxane | 9.250 | 88 | 11020 | 1039.289 | ug/l | | 92 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 338455 | 261.432 | ug/l | | 98 |
| 52) Toluene | 10.182 | 92 | 270409 | 49.688 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 143554 | 52.336 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.865 | 75 | 167429 | 51.553 | ug/l | | 92 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 73589 | 49.892 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.444 | 69 | 106288 | 53.867 | ug/l | # | 89 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 132165 | 51.769 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 290576 | 309.543 | ug/l | | 99 |
| 59) 2-Hexanone | 10.768 | 43 | 223757 | 268.437 | ug/l | | 96 |
| 60) Dibromochloromethane | 10.920 | 129 | 105589 | 50.976 | ug/l | | 85 |
| 61) 1,2-Dibromoethane | 11.024 | 107 | 67805 | 49.079 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.658 | 164 | 94893 | 47.954 | ug/l | | 96 |
| 65) Chlorobenzene | 11.450 | 112 | 295517 | 49.788 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 105626 | 50.076 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.530 | 91 | 530991 | 50.579 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.639 | 106 | 391171 | 99.601 | ug/l | | 96 |
| 69) o-Xylene | 11.962 | 106 | 188775 | 51.555 | ug/l | | 98 |
| 70) Styrene | 11.981 | 104 | 315025 | 51.620 | ug/l | | 98 |
| 71) Bromoform | 12.145 | 173 | 58498 | 49.825 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.261 | 105 | 525075 | 53.006 | ug/l | | 85 |
| 74) N-amyl acetate | 12.078 | 43 | 117988 | 54.480 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83 | 81571 | 49.512 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 55126m | 47.921 | ug/l | | |
| 77) Bromobenzene | 12.542 | 156 | 112364 | 49.154 | ug/l | | 96 |
| 78) n-propylbenzene | 12.603 | 91 | 605704 | 51.330 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 341745 | 50.565 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 406625 | 50.629 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.316 | 75 | 119661 | 212.252 | ug/l | # | 48 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 373956 | 54.307 | ug/l | | 95 |
| 83) tert-Butylbenzene | 13.005 | 119 | 371033 | 50.825 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 13.054 | 105 | 405711 | 51.664 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 547941 | 52.143 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 451592 | 51.734 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.298 | 146 | 220193 | 49.887 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.377 | 146 | 214096 | 49.263 | ug/l | | 100 |
| 89) n-Butylbenzene | 13.627 | 91 | 426856 | 53.602 | ug/l | | 99 |
| 90) Hexachloroethane | 13.889 | 117 | 93847 | 51.535 | ug/l | | 86 |
| 91) 1,2-Dichlorobenzene | 13.669 | 146 | 190520 | 49.731 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75 | 12977 | 52.711 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 14.931 | 180 | 115371 | 54.103 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.035 | 225 | 73405 | 51.945 | ug/l | | 100 |
| 95) Naphthalene | 15.157 | 128 | 194341 | 56.964 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 94833 | 53.438 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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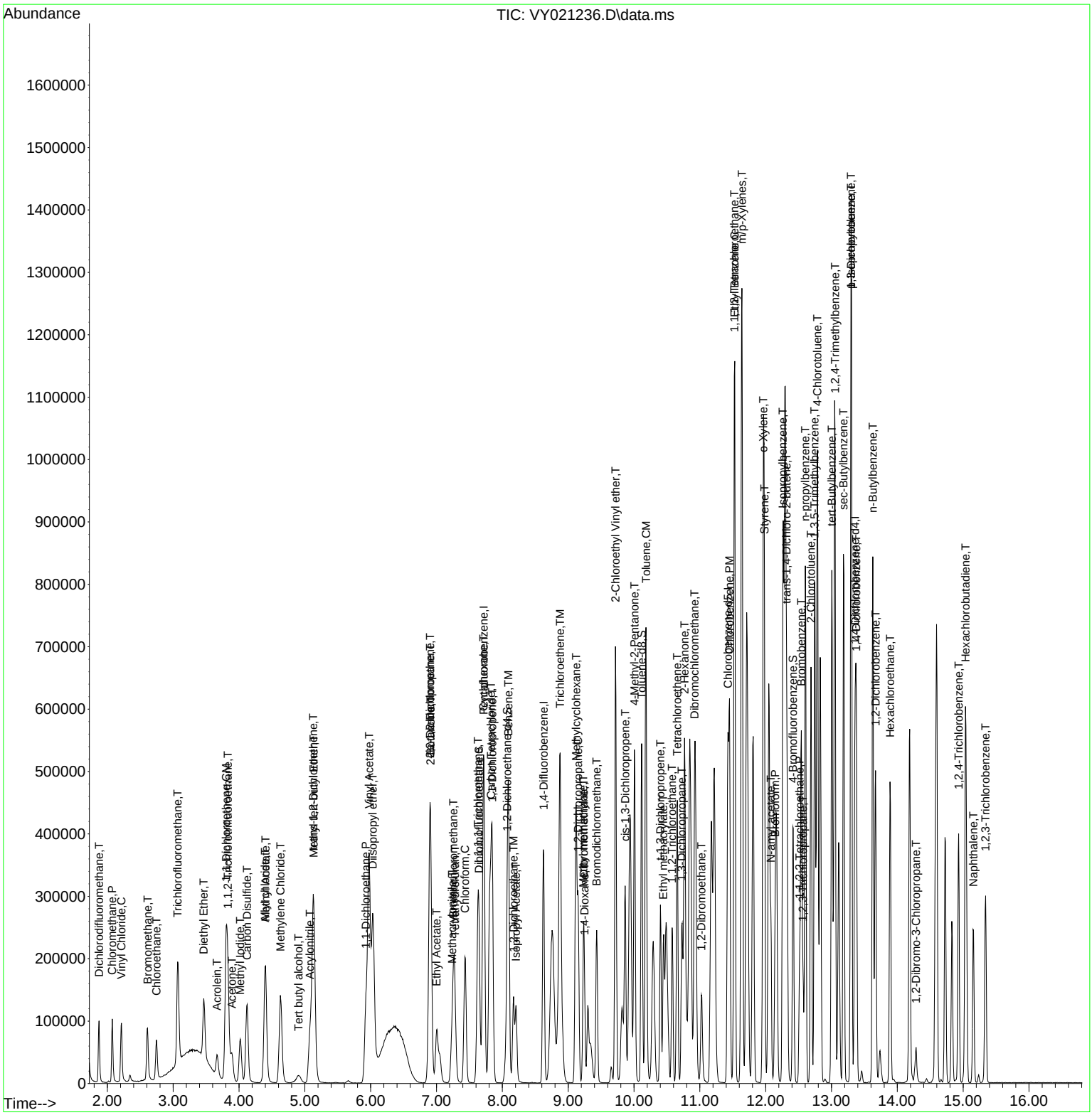
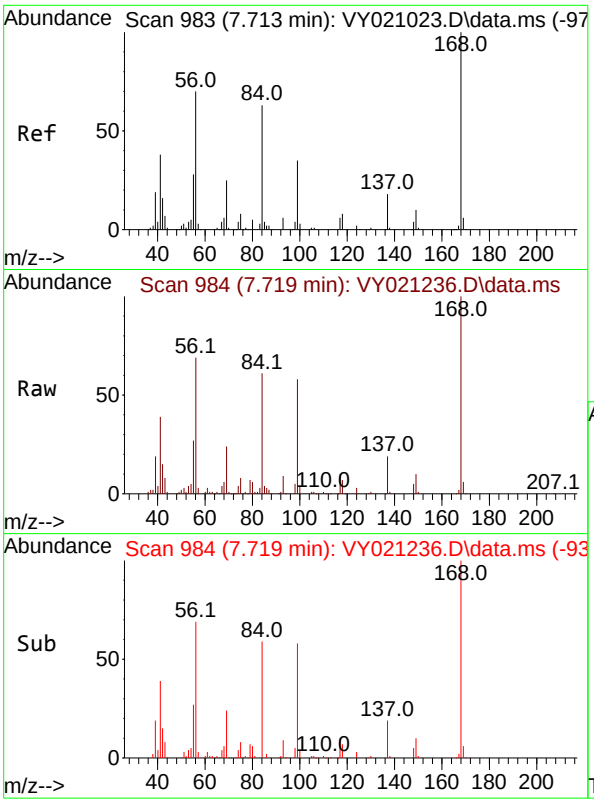
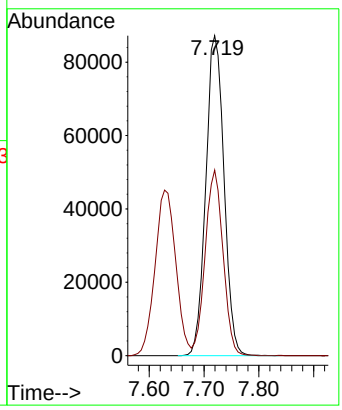





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:168 Resp: 20046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.9 | 44.2 | 66.4 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

**Manual Integrations**
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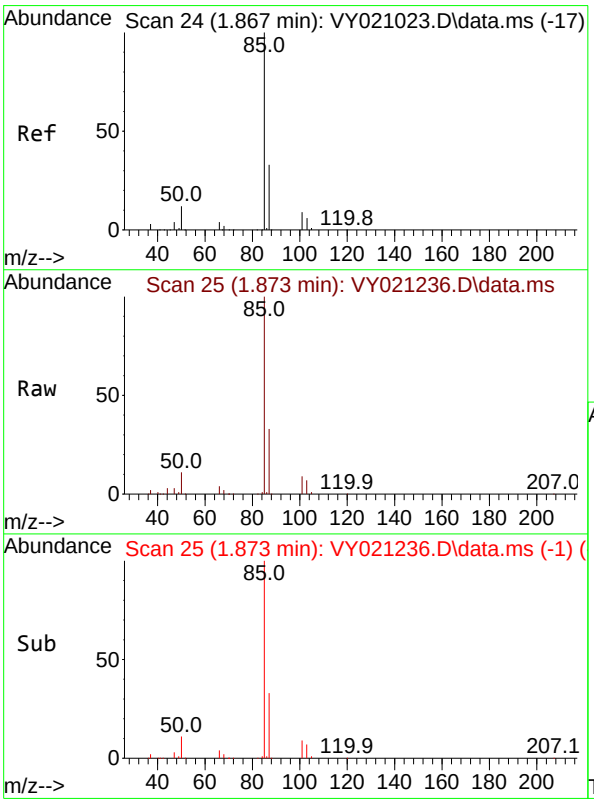
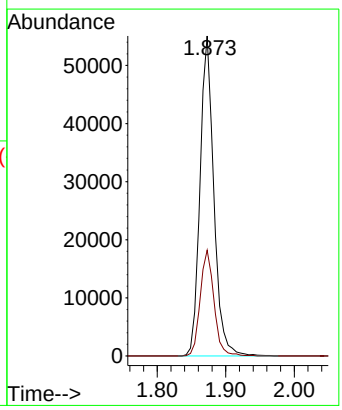
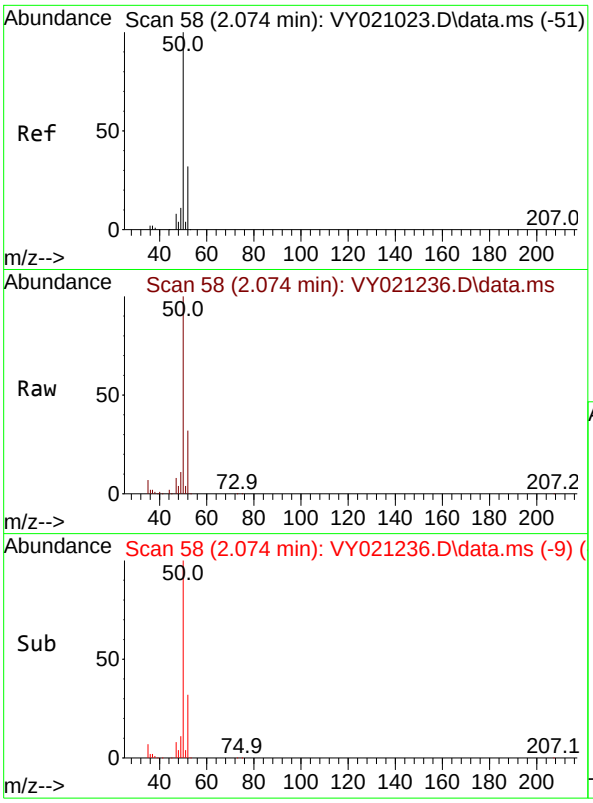



#2
Dichlorodifluoromethane
Concen: 43.405 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 85 Resp: 77551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.1 | 17.1 | 51.3 |

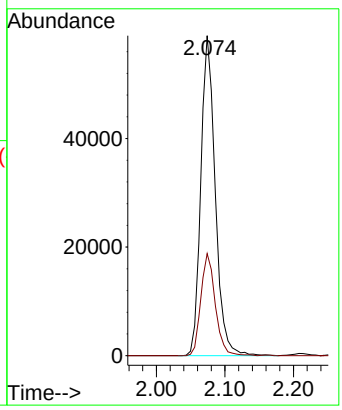





#3
Chloromethane
Concen: 49.049 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 50 Resp: 8647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.9 | 26.7 | 40.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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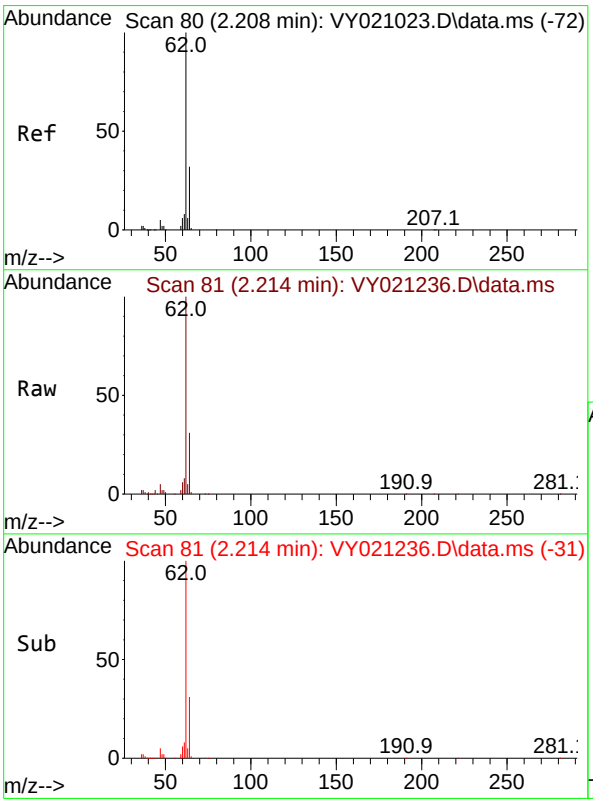
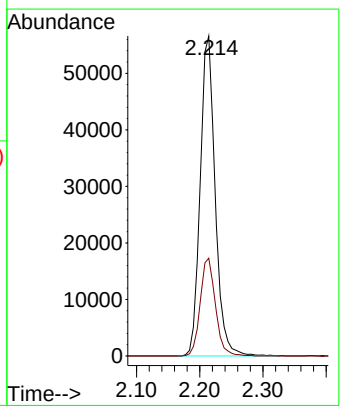
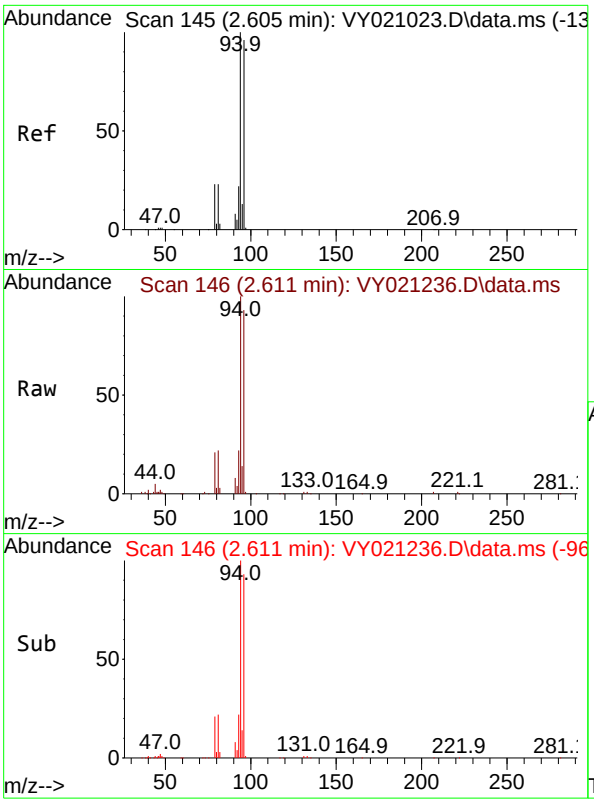



#4
Vinyl Chloride
Concen: 52.685 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 62 Resp: 93493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.6 | 25.7 | 38.5 |

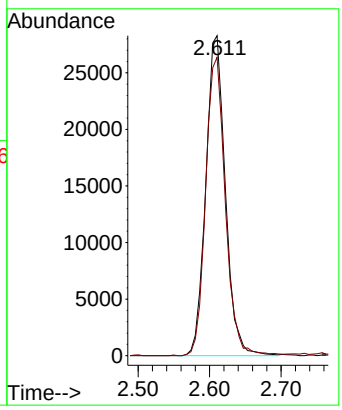





#5
Bromomethane
Concen: 48.974 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 94 Resp: 5371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.2 | 77.3 | 115.9 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

**Manual Integrations**
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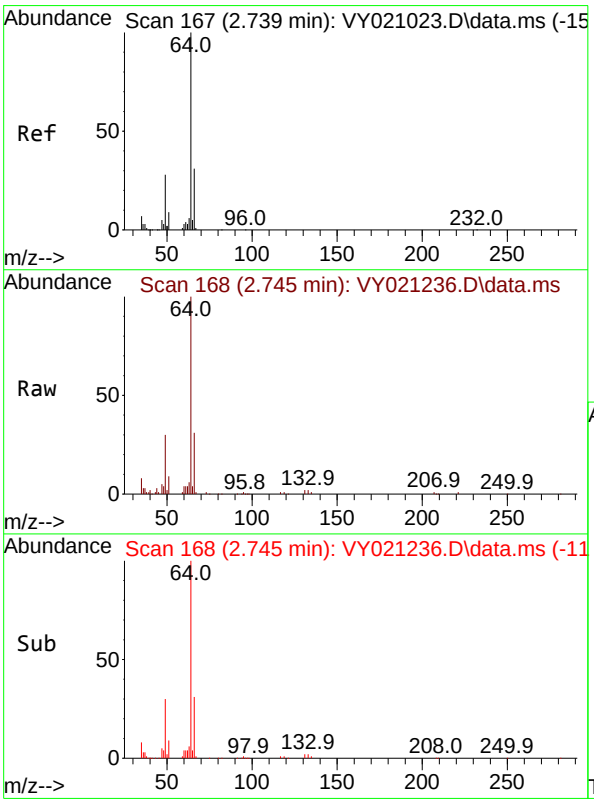
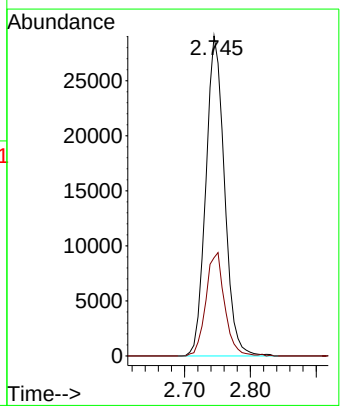
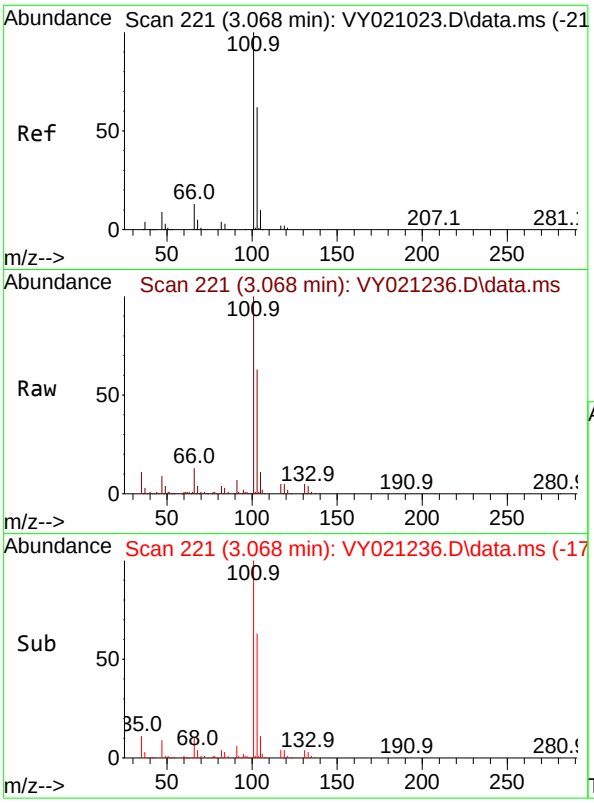



#6
Chloroethane
Concen: 54.253 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 64 Resp: 57311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.7 | 25.1 | 37.7 |






#7
Trichlorofluoromethane
Concen: 49.946 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:101 Resp: 16147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.8 | 51.9 | 77.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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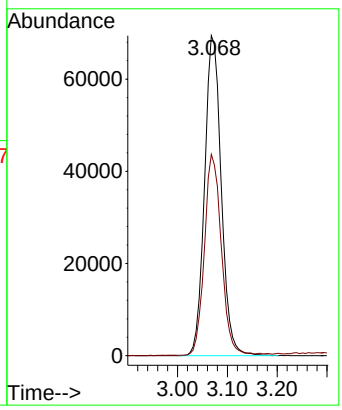
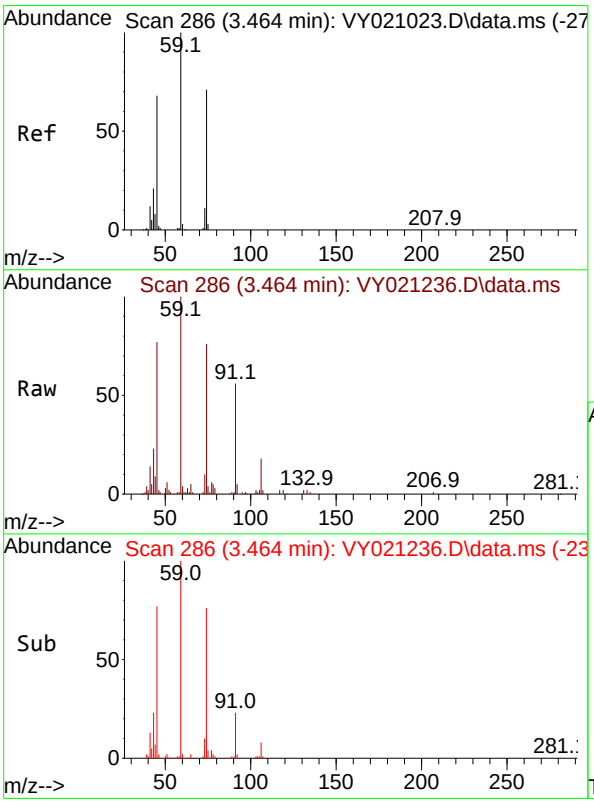
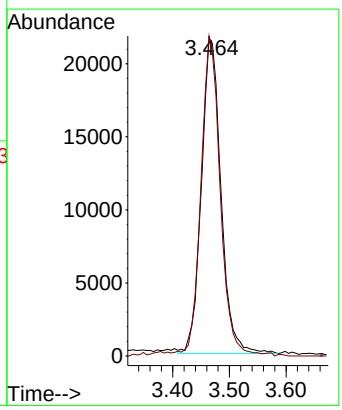


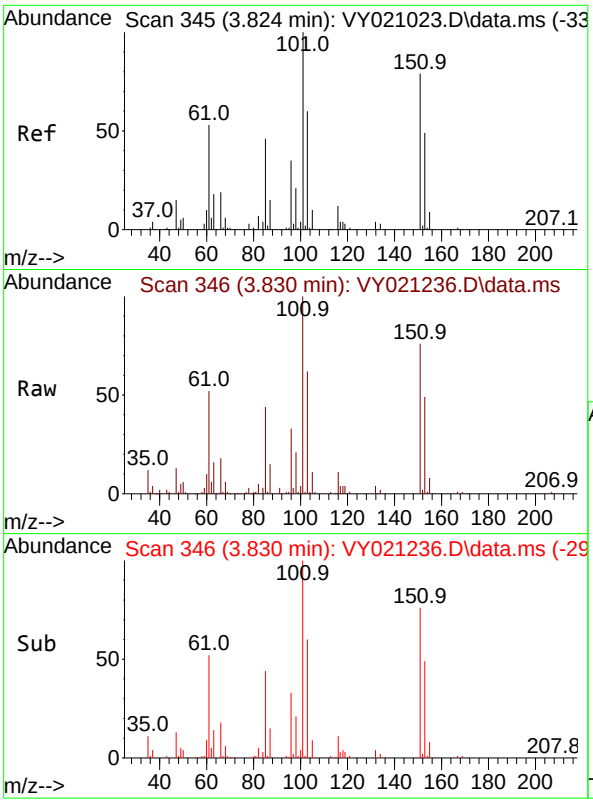




#8
Diethyl Ether
Concen: 51.545 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 74 Resp: 52022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.8 | 47.9 | 143.7 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.319 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:101 Resp: 9804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.4 | 35.8 | 53.6 |
| 151 | 77.5 | 58.6 | 88.0 |

**Instrument :**
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VSTDCCC050

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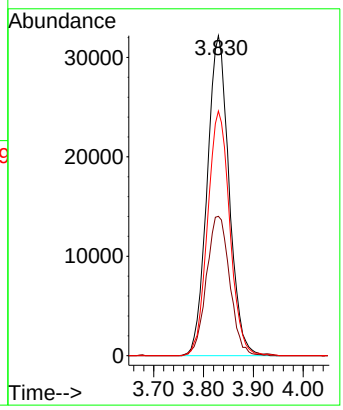
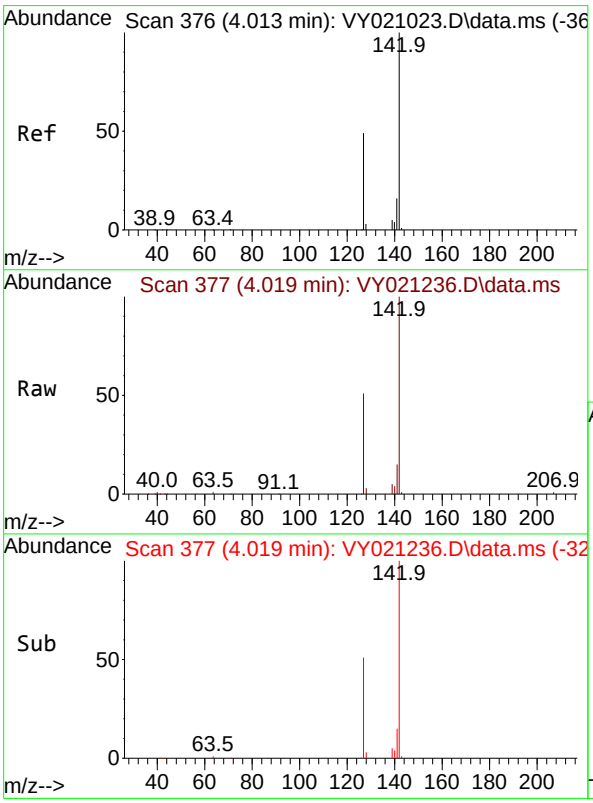
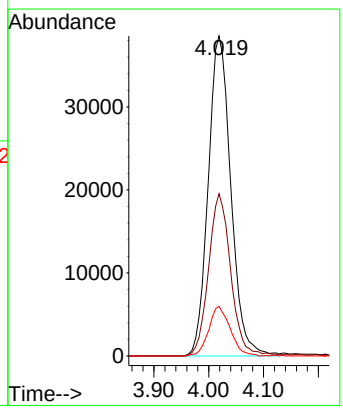


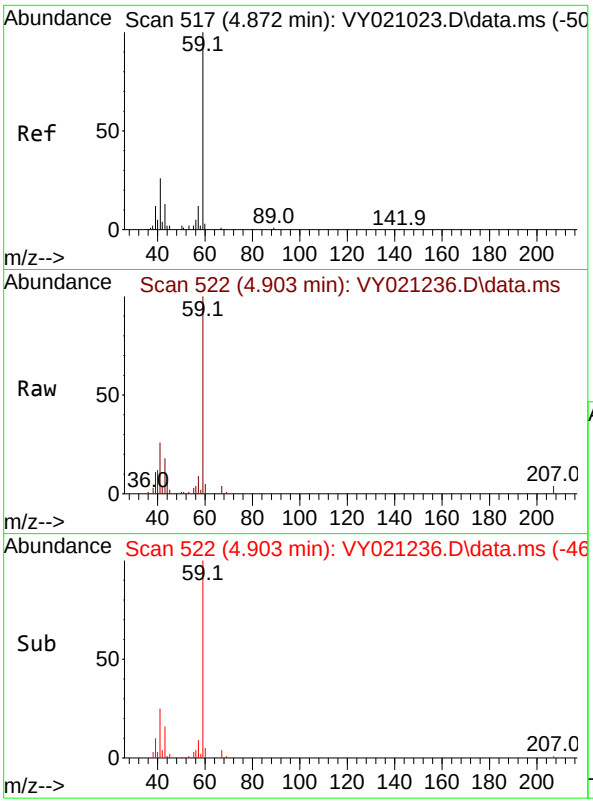




#10
Methyl Iodide
Concen: 49.042 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:142 Resp: 110553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.6 | 35.1 | 52.7 |
| 141 | 14.7 | 11.8 | 17.6 |

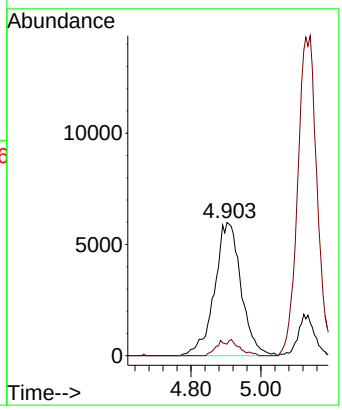





#11
Tert butyl alcohol
Concen: 226.709 ug/l
RT: 4.903 min Scan# 5
Delta R.T. 0.030 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 59 Resp: 3155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 5.1 | 7.4 | 11.0# |

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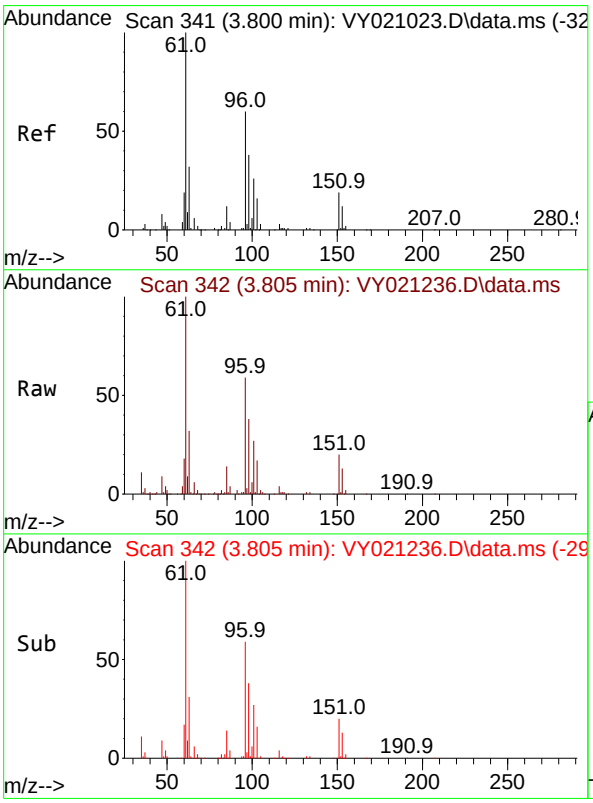
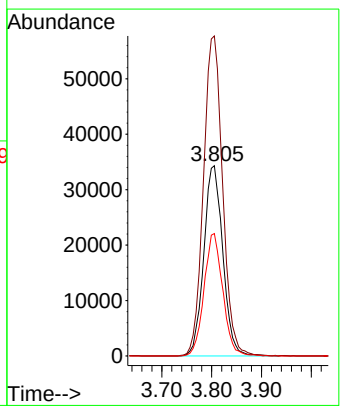
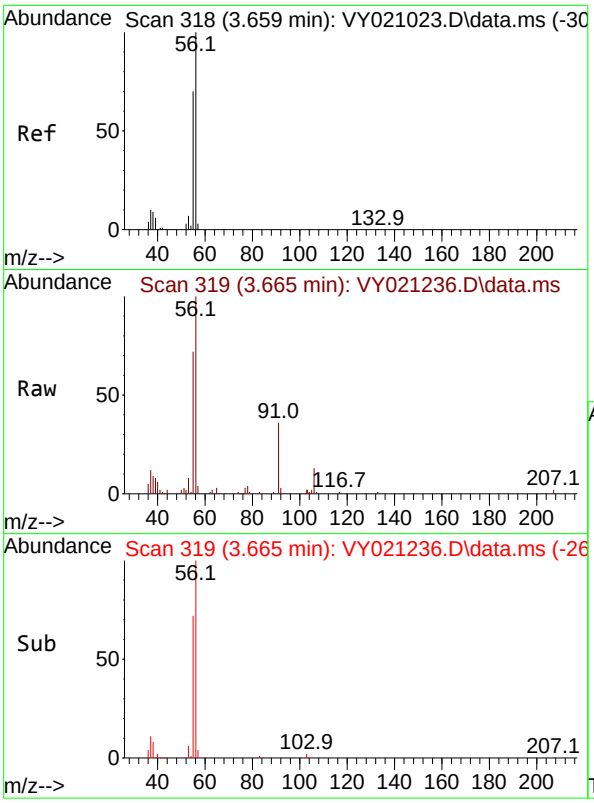



#12
1,1-Dichloroethene
Concen: 47.682 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 96 Resp: 91137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.2 | 124.2 | 186.2 |
| 98 | 64.4 | 52.6 | 79.0 |

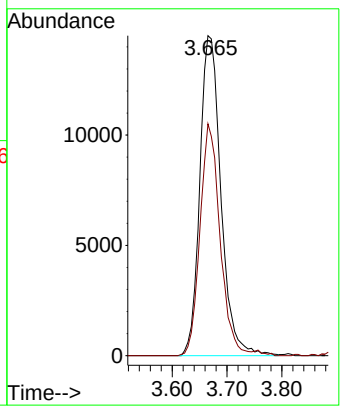





#13
Acrolein
Concen: 180.571 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 56 Resp: 3870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.7 | 55.4 | 83.0 |




**Instrument :**
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VSTDCCC050

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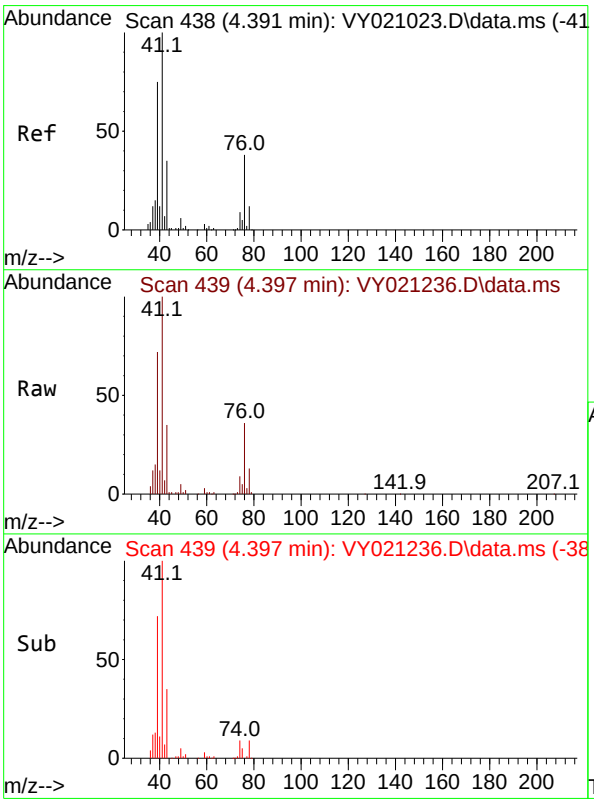
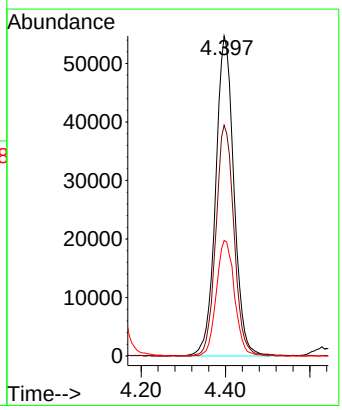
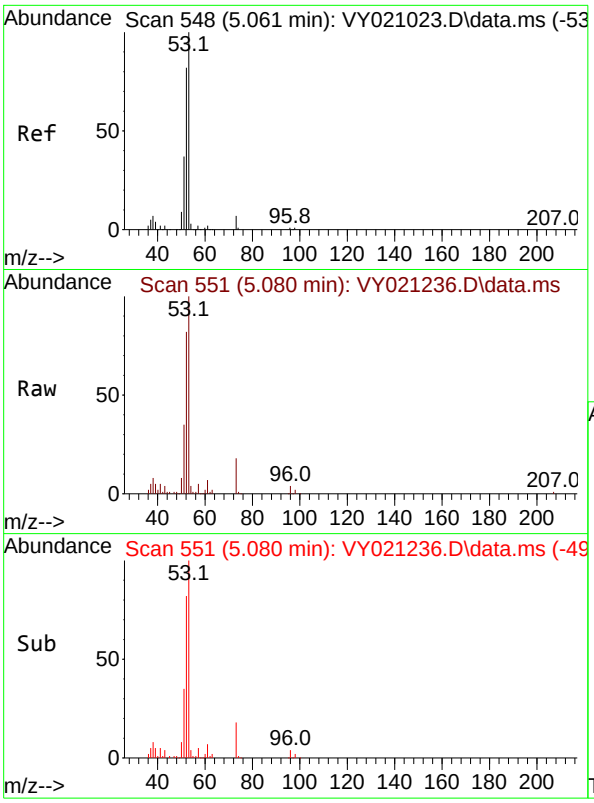



#14
Allyl chloride
Concen: 50.917 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 41 Resp: 164021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.5 | 54.7 | 82.1 |
| 76 | 35.9 | 31.8 | 47.6 |

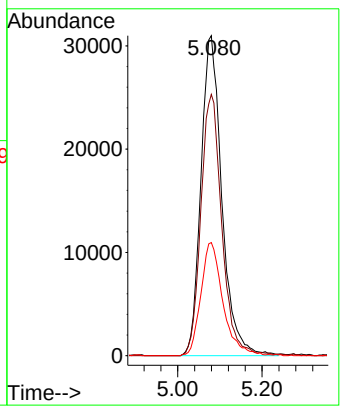





#15
Acrylonitrile
Concen: 254.538 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 53 Resp: 10697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.2 | 65.1 | 97.7 |
| 51 | 37.3 | 29.0 | 43.4 |




**Instrument :**
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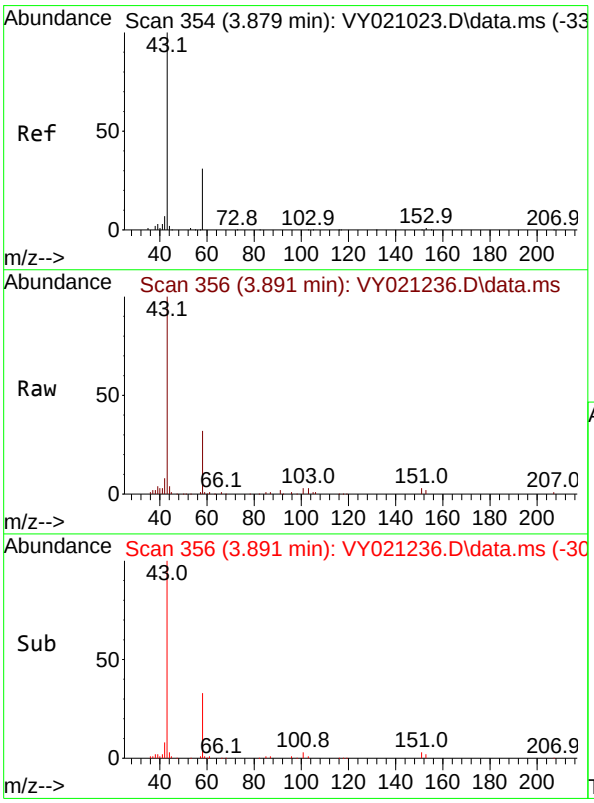
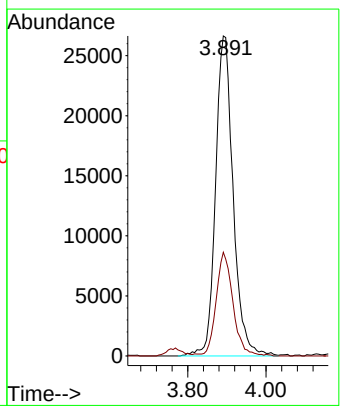
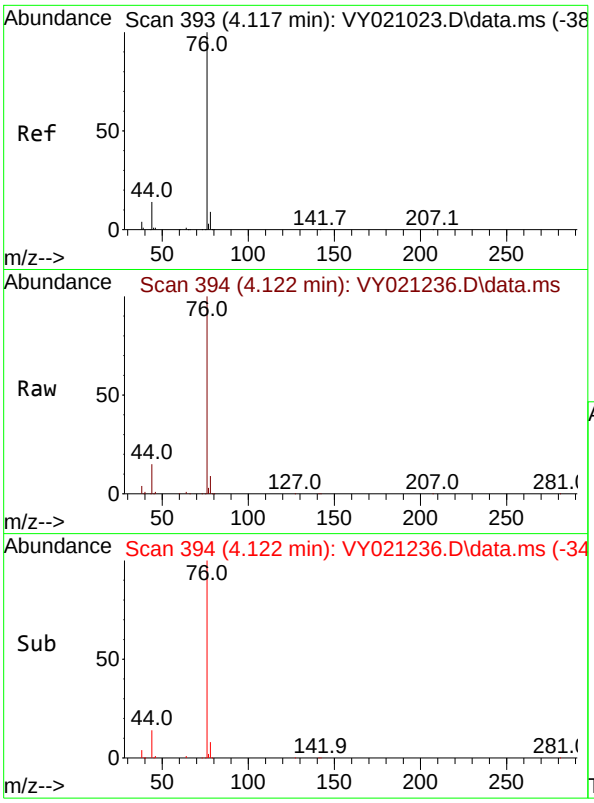



#16
Acetone
Concen: 259.354 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 83071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.4 | 26.6 | 39.8 |

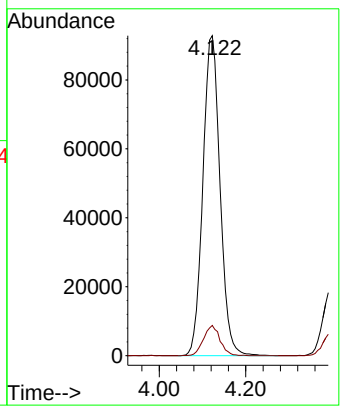





#17
Carbon Disulfide
Concen: 42.570 ug/l
RT: 4.122 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 76 Resp: 25514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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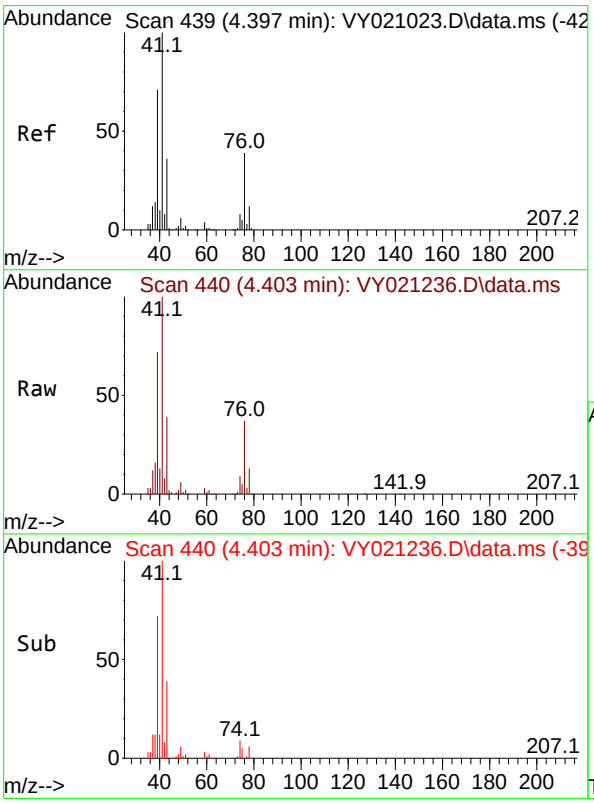
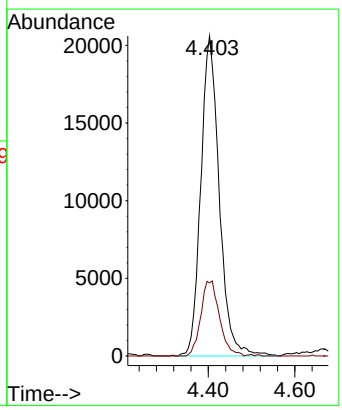
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

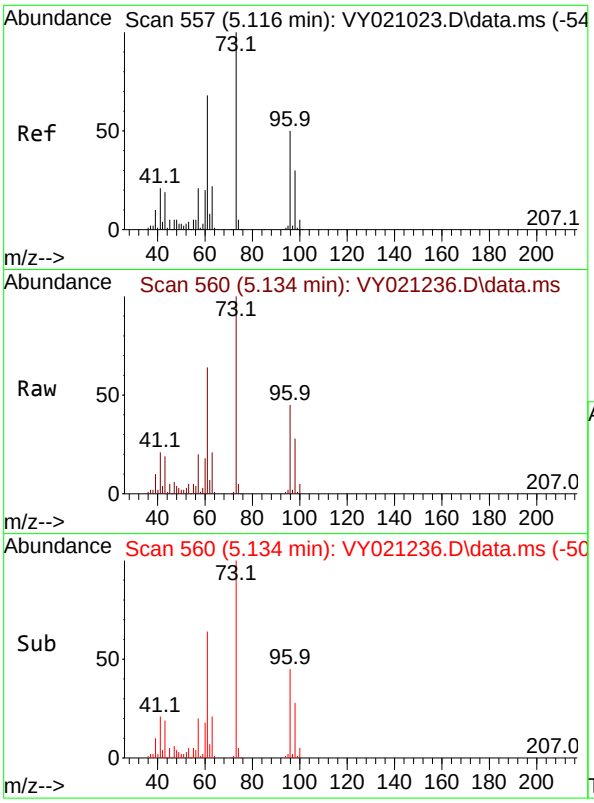



#18
Methyl Acetate
Concen: 54.139 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 60873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 19.8 | 29.6 |

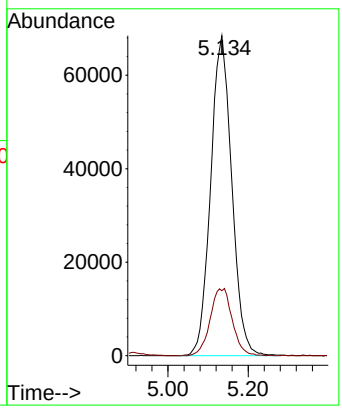





#19
Methyl tert-butyl Ether
Concen: 51.750 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 73 Resp: 25000

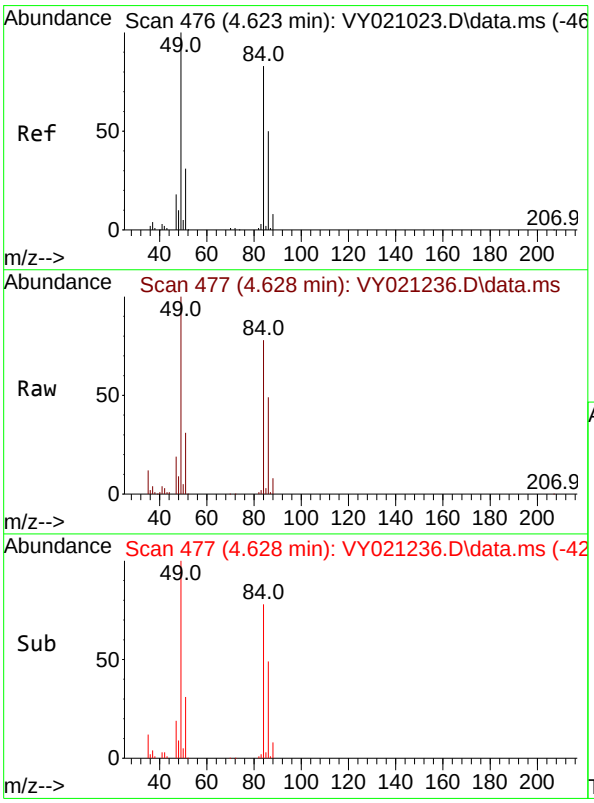
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 17.7 | 26.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

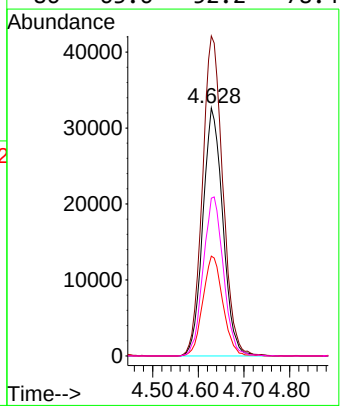
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

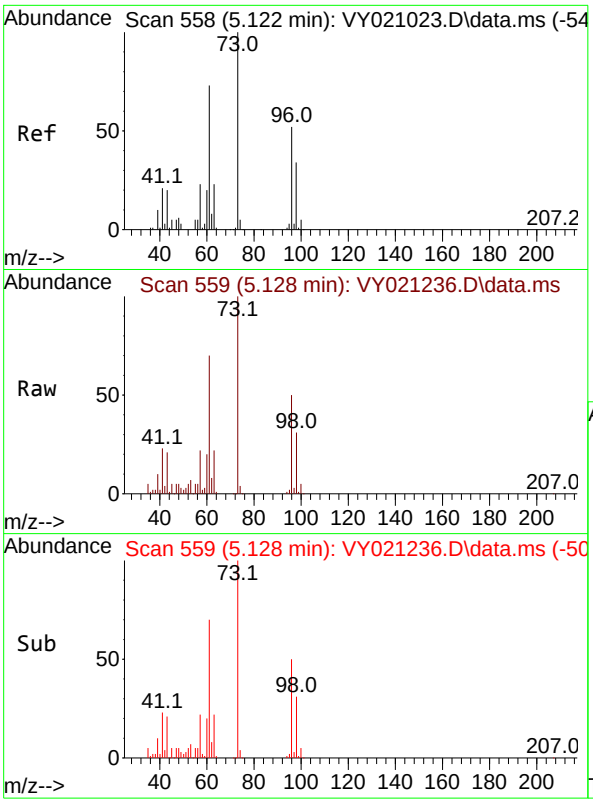



#20
Methylene Chloride
Concen: 49.688 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 84 Resp: 98938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.0 | 95.2 | 142.8 |
| 51 | 40.3 | 29.9 | 44.9 |
| 86 | 63.6 | 52.2 | 78.4 |

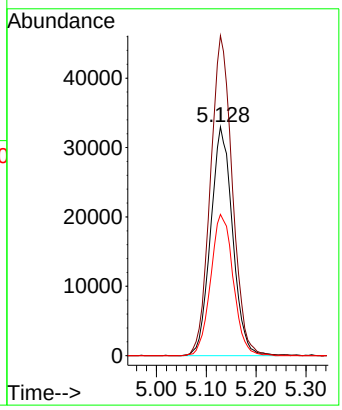





#21
trans-1,2-Dichloroethene
Concen: 47.939 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 96 Resp: 10086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.9 | 104.6 | 156.8 |
| 98 | 61.7 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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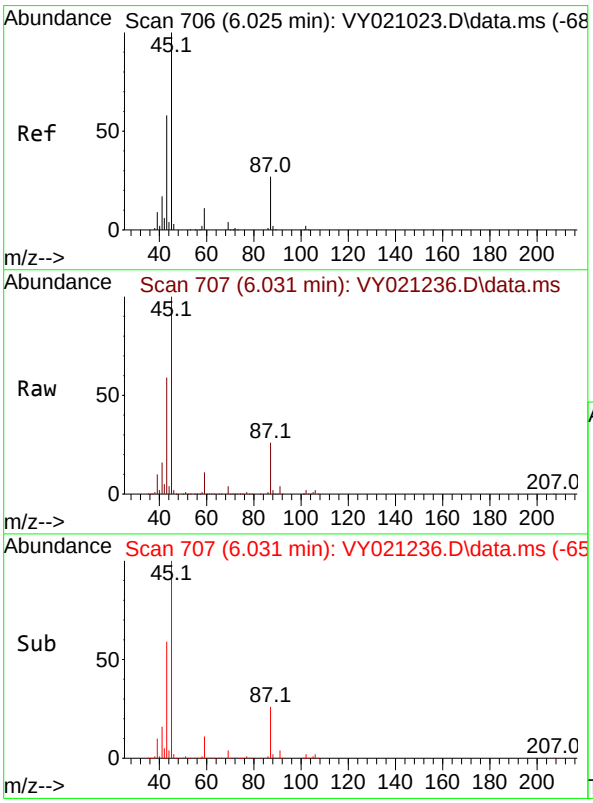
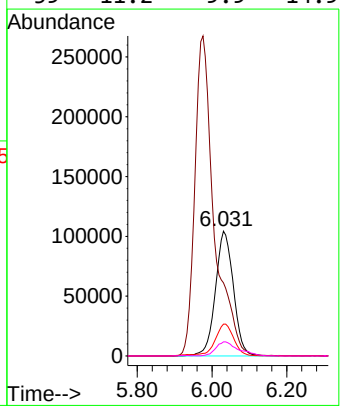
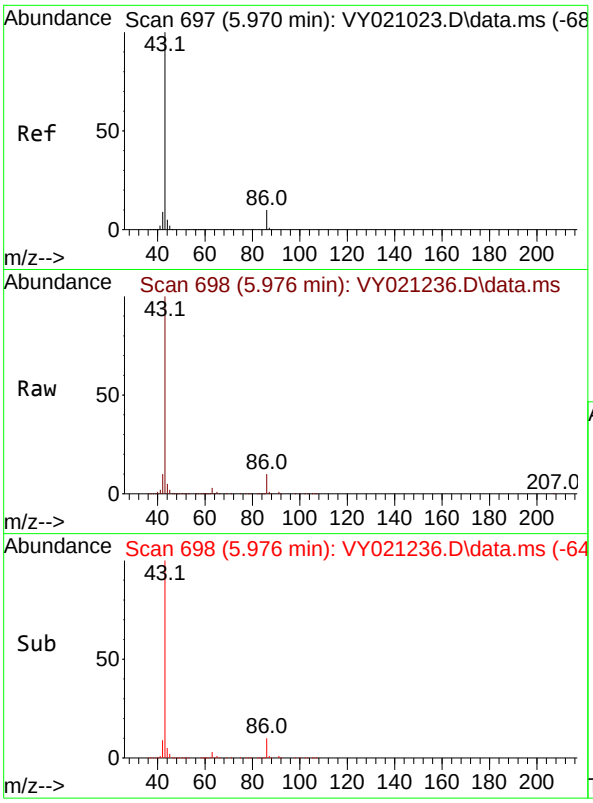



#22
Diisopropyl ether
Concen: 52.568 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 45 Resp: 349042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 58.3 | 46.8 | 70.2 |
| 87 | 25.5 | 22.2 | 33.2 |
| 59 | 11.2 | 9.9 | 14.9 |






#23
Vinyl Acetate
Concen: 259.121 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 95911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.3 | 8.6 | 13.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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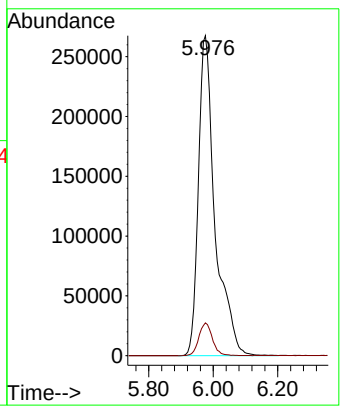
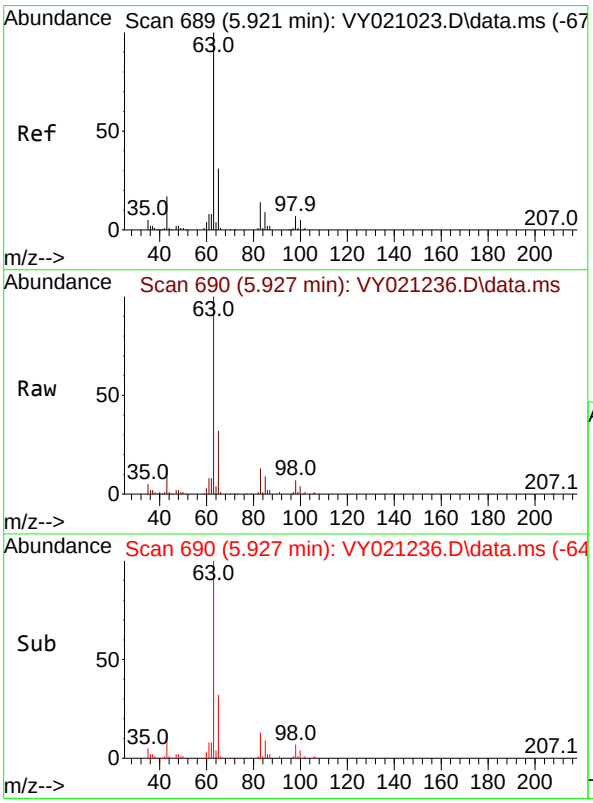
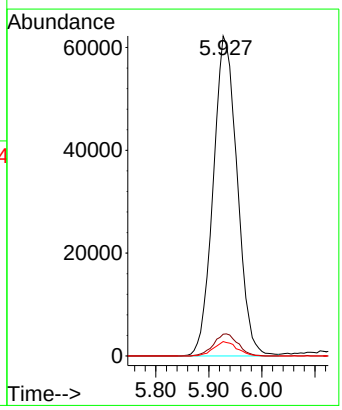


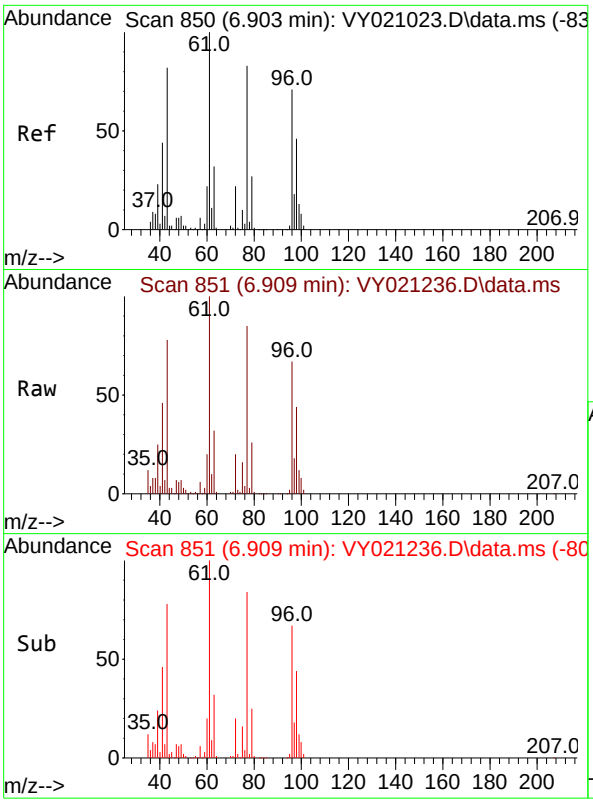




#24
1,1-Dichloroethane
Concen: 50.349 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 63 Resp: 195868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.8 | 11.4 |
| 100 | 4.5 | 2.1 | 6.2 |






#25
2-Butanone
Concen: 257.014 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 13527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.9 | 21.4 | 32.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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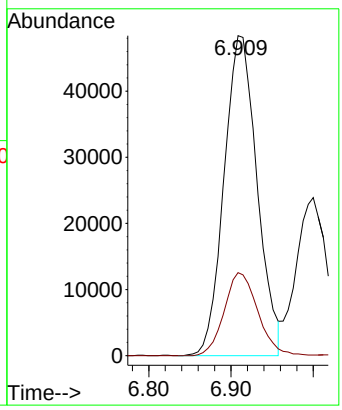
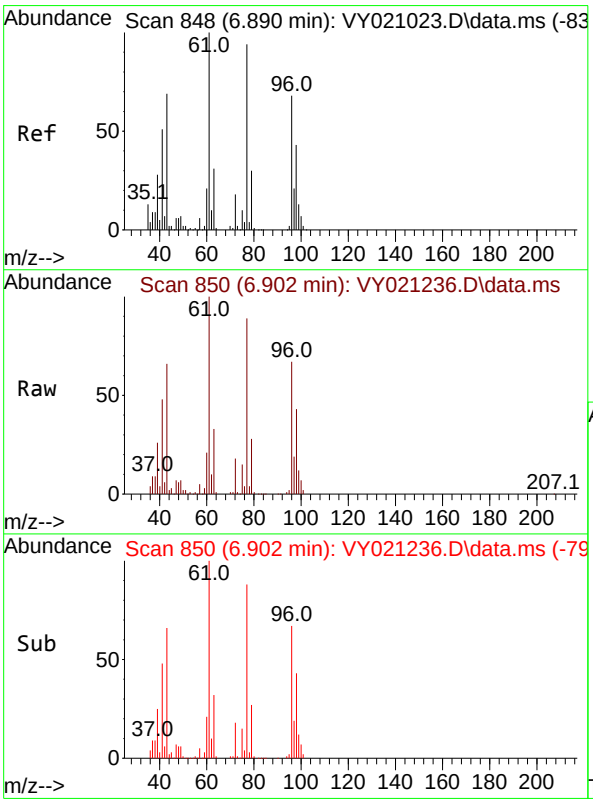
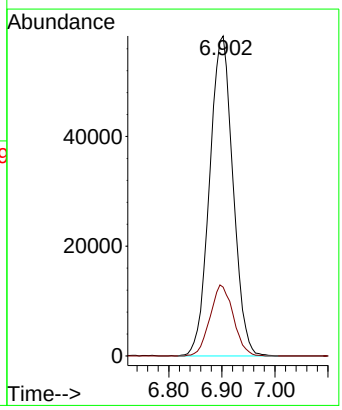


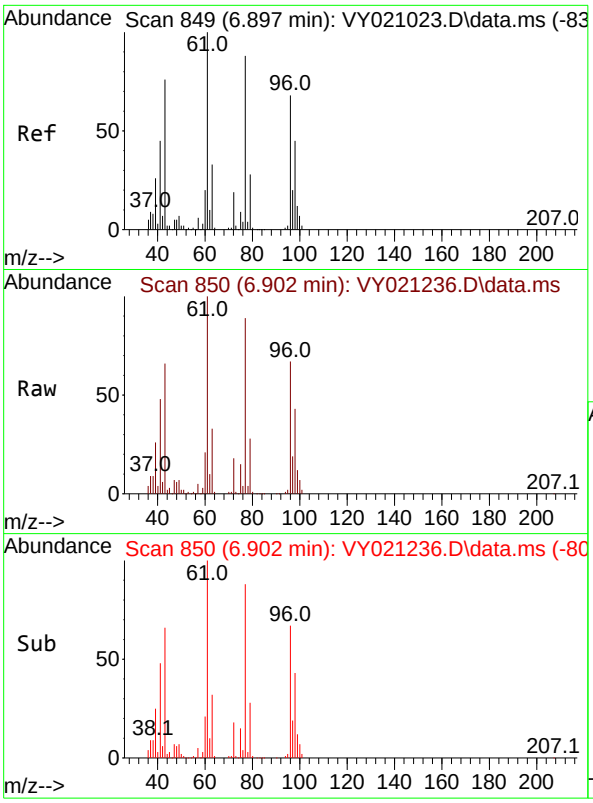




#26
2,2-Dichloropropane
Concen: 49.635 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 77 Resp: 178662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 11.7 | 35.0 |






#27
cis-1,2-Dichloroethene
Concen: 49.906 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 96 Resp: 12085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.0 | 0.0 | 278.8 |
| 98 | 64.5 | 0.0 | 127.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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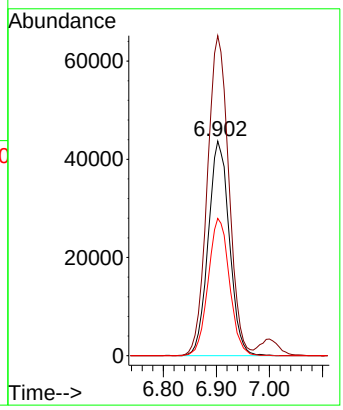
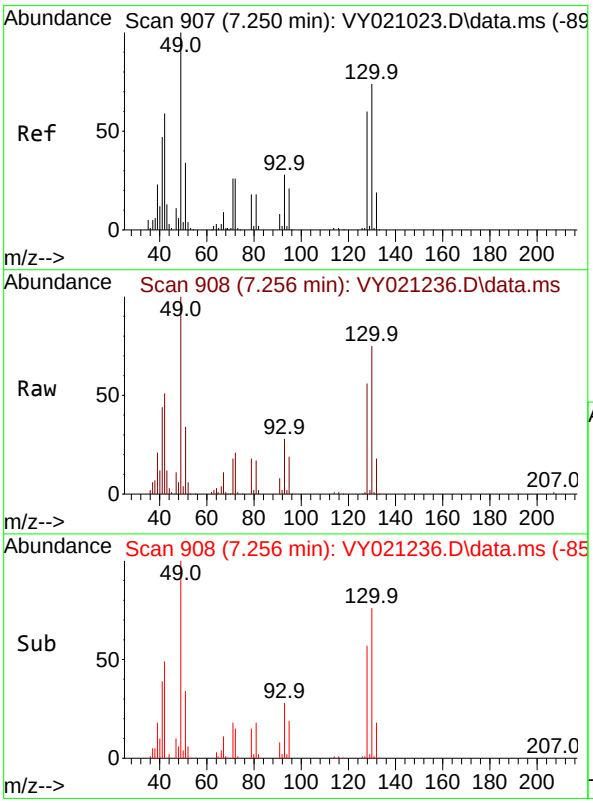
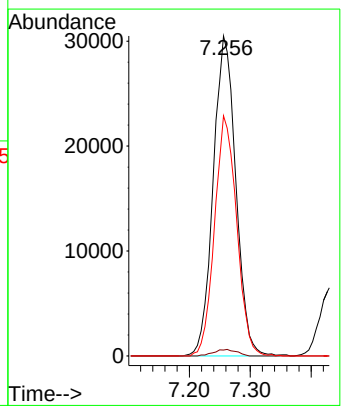


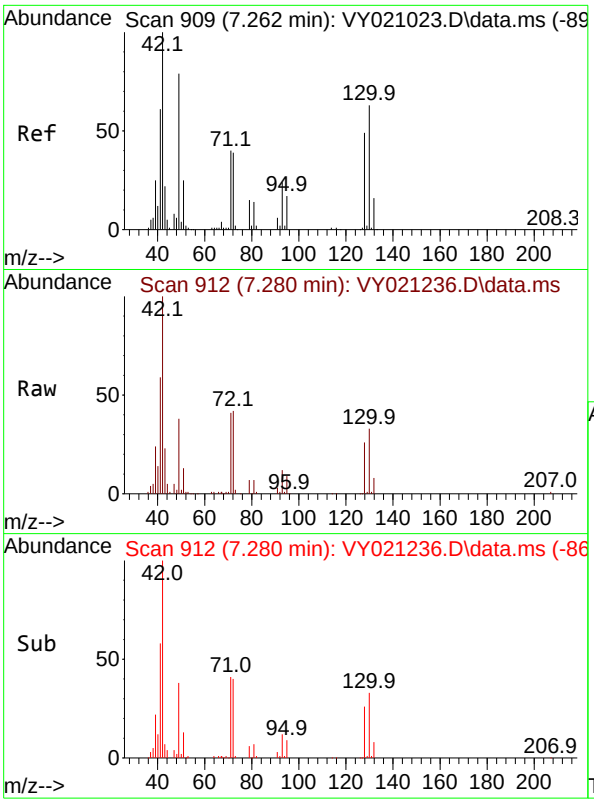




#28
Bromochloromethane
Concen: 51.015 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 49 Resp: 78475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 3.8 |
| 130 | 73.4 | 59.8 | 89.8 |

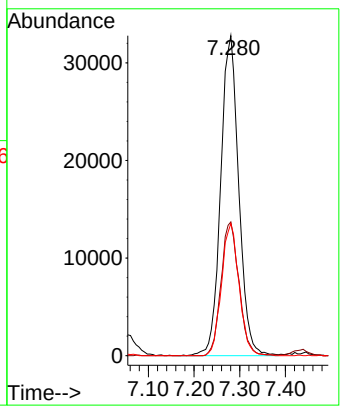





#29
Tetrahydrofuran
Concen: 253.611 ug/l
RT: 7.280 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 42 Resp: 9032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.4 | 36.6 | 54.8 |
| 71 | 40.0 | 33.8 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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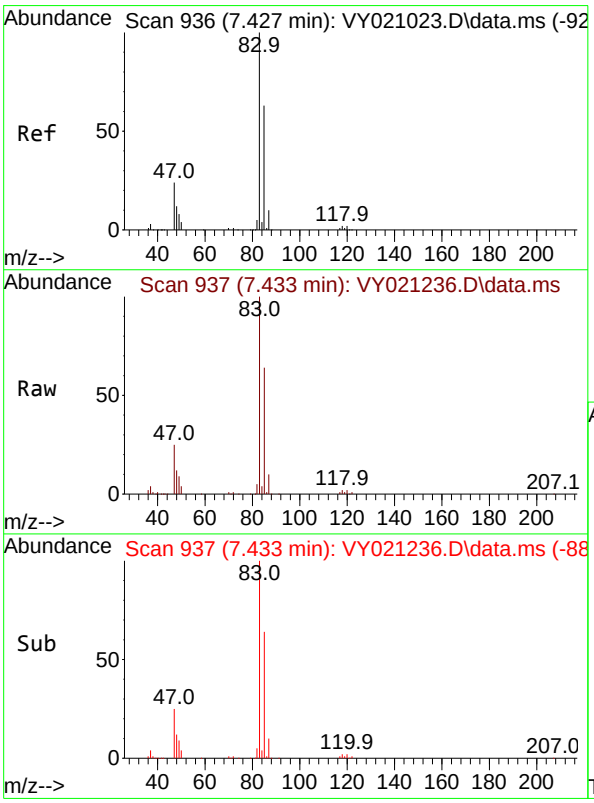
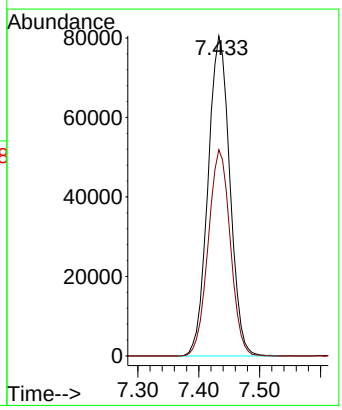
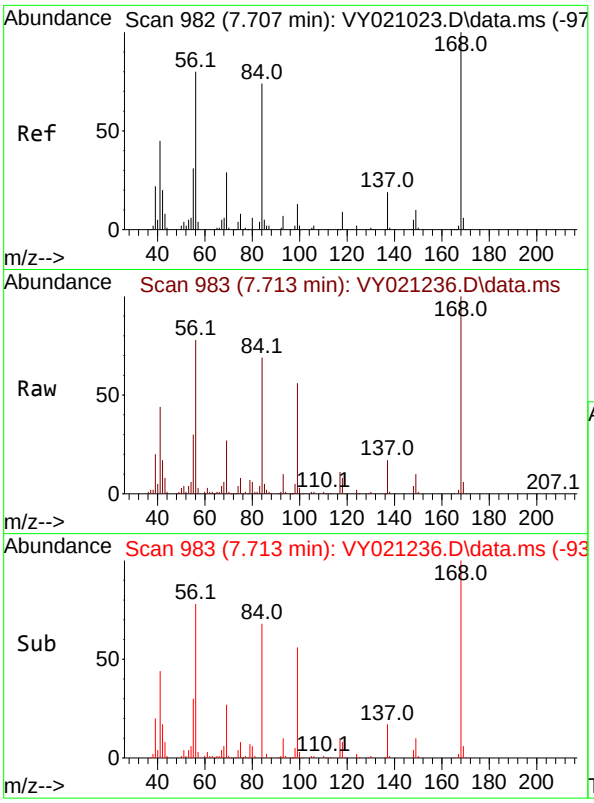



#30
Chloroform
Concen: 50.208 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 83 Resp: 200620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.2 | 76.8 |

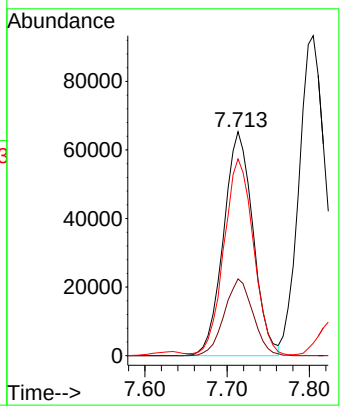





#31
Cyclohexane
Concen: 46.529 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 56 Resp: 16299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 34.3 | 27.0 | 40.6 |
| 84 | 86.4 | 71.8 | 107.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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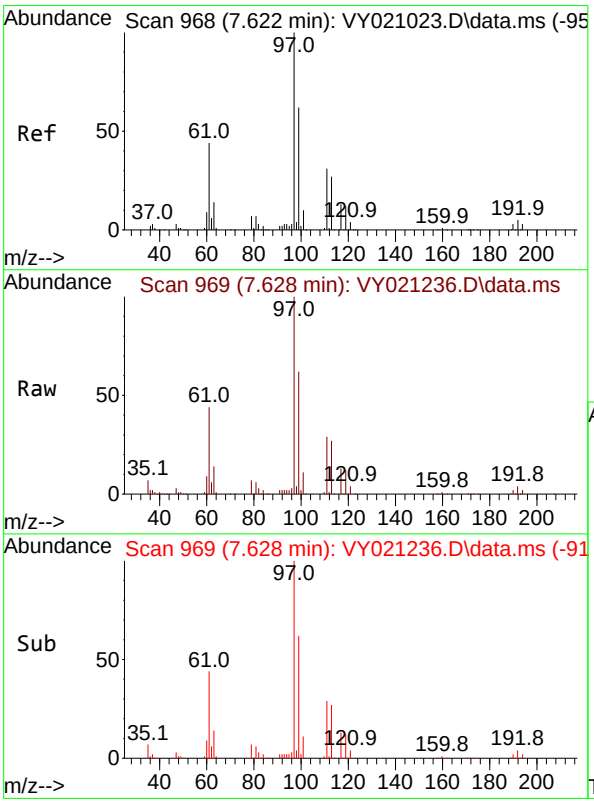
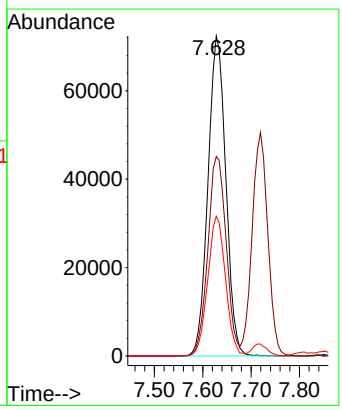
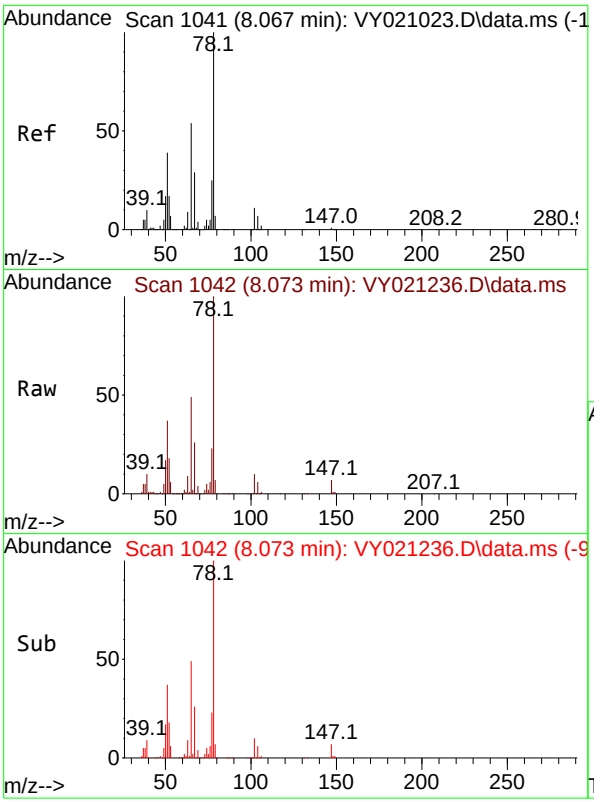



#32
1,1,1-Trichloroethane
Concen: 49.948 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 97 Resp: 185557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 51.2 | 76.8 |
| 61 | 43.6 | 35.0 | 52.6 |

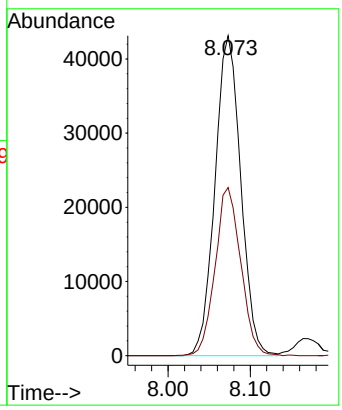





#33
1,2-Dichloroethane-d4
Concen: 45.832 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 65 Resp: 9413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 109.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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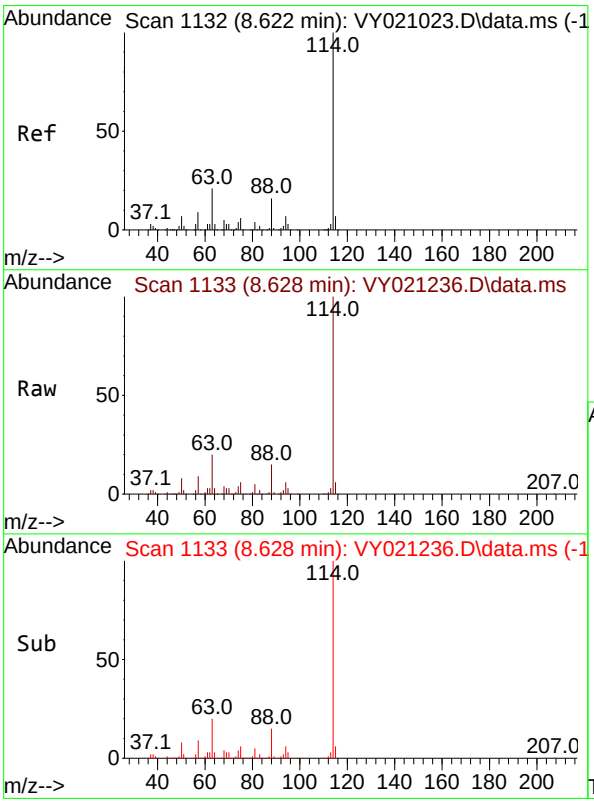
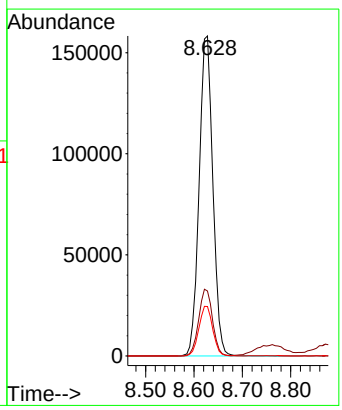
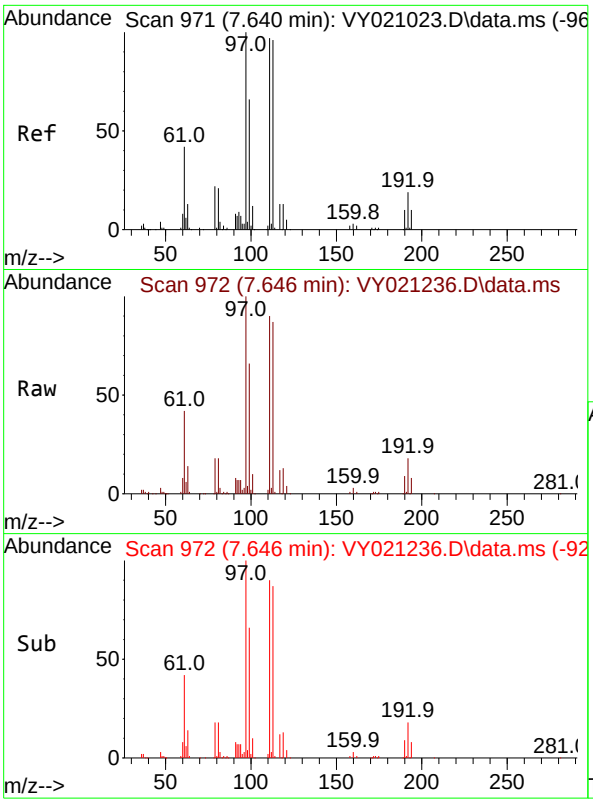



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:114 Resp: 311138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 37.4 |
| 88 | 15.5 | 0.0 | 29.0 |






#35
Dibromofluoromethane
Concen: 46.730 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:113 Resp: 9317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.7 | 83.8 | 125.6 |
| 192 | 20.0 | 14.5 | 21.7 |

**Instrument :**
MSVOA_Y
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VSTDCCC050

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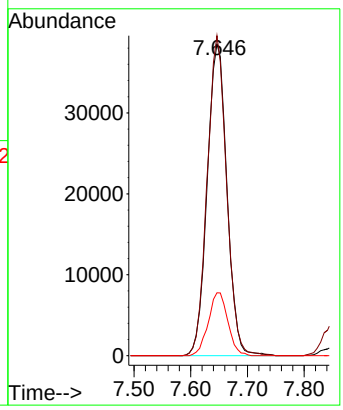
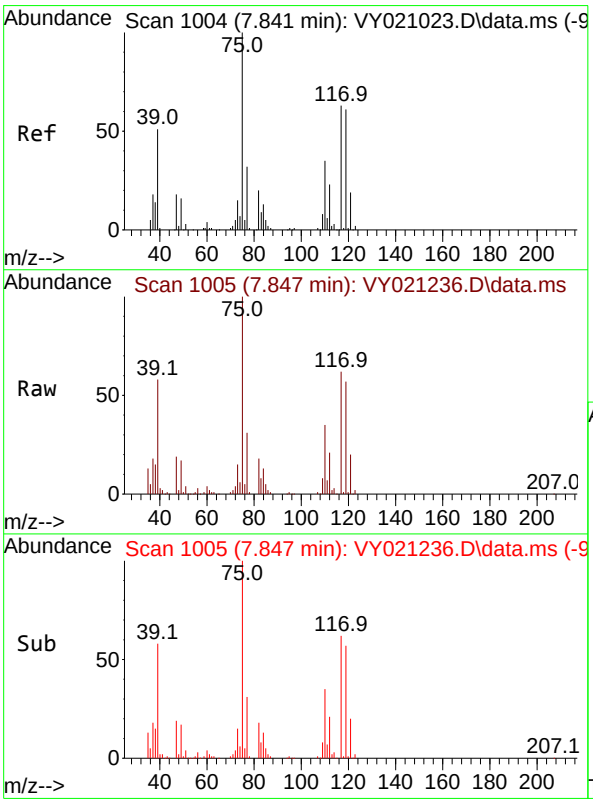
Supervised By :Mahesh Dadoda 02/20/2025

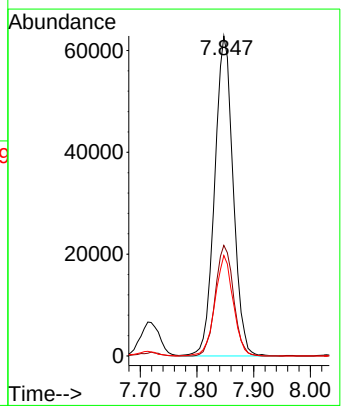


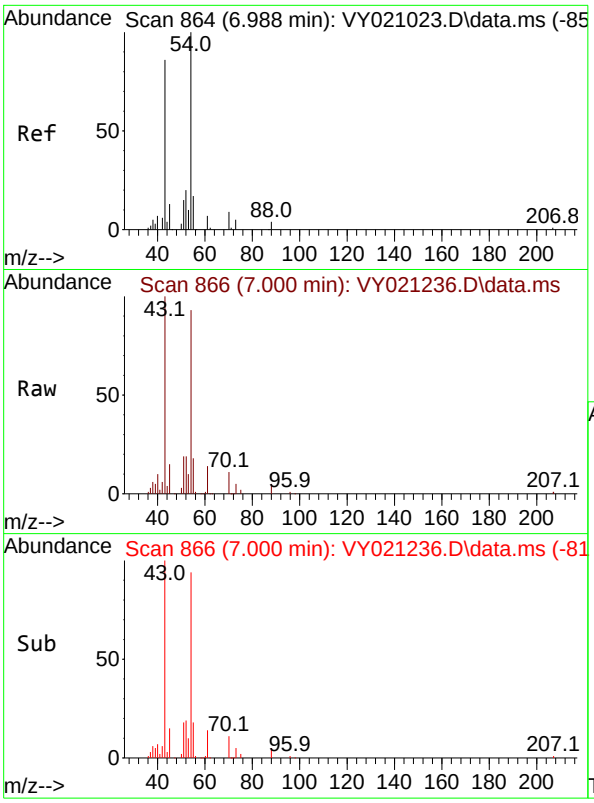




#36
1,1-Dichloropropene
Concen: 48.164 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 142250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 17.4 | 52.3 |
| 77 | 31.2 | 24.7 | 37.1 |

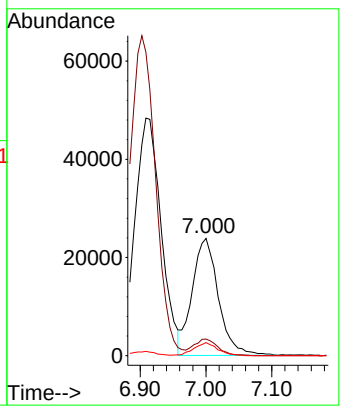





#37
Ethyl Acetate
Concen: 51.024 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 6610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 11.0 | 16.6 |
| 70 | 10.1 | 8.1 | 12.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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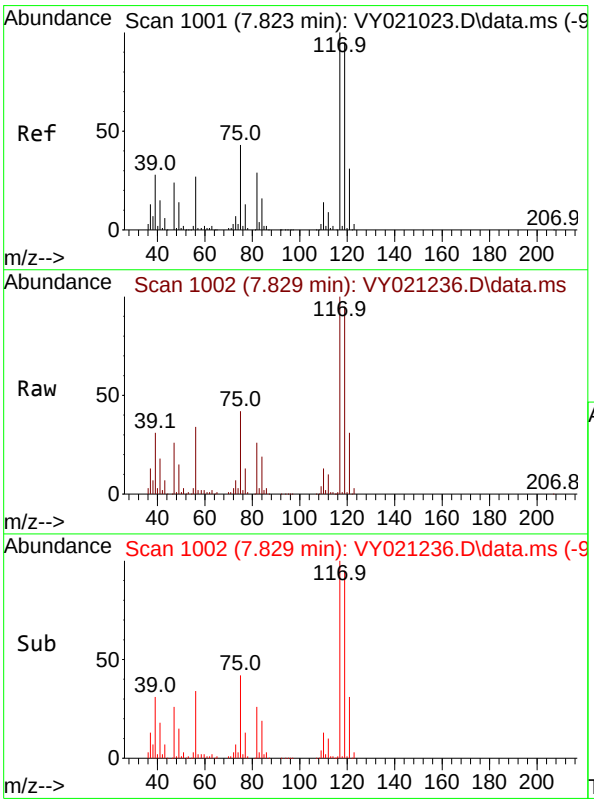
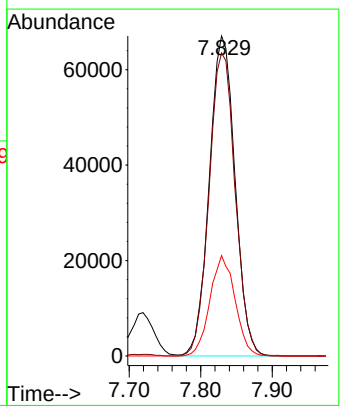
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

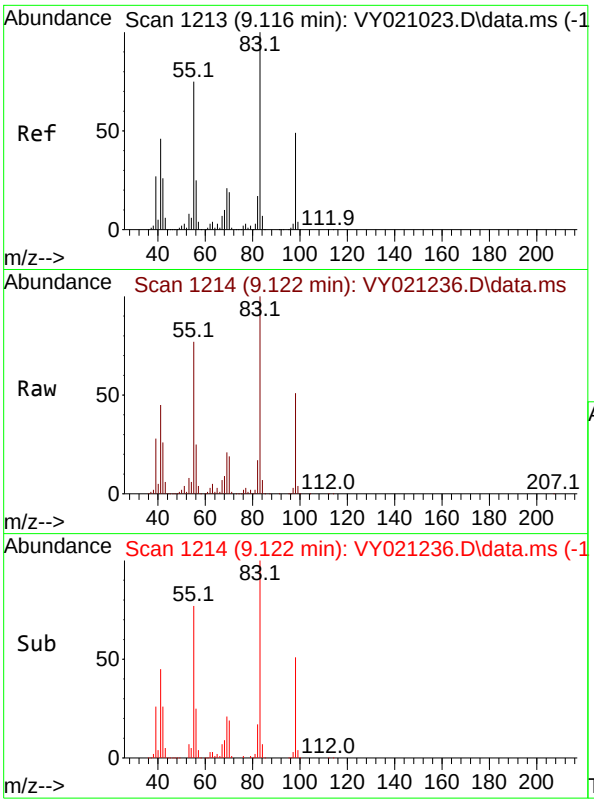



#38
Carbon Tetrachloride
Concen: 48.505 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:117 Resp: 167388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 76.0 | 114.0 |
| 121 | 31.3 | 24.2 | 36.2 |

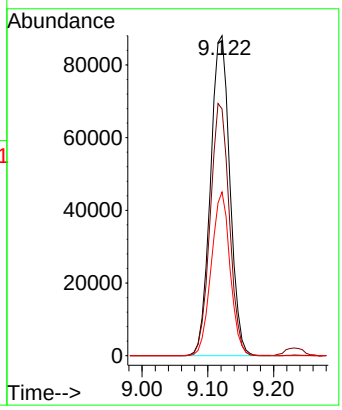





#39
Methylcyclohexane
Concen: 49.986 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 83 Resp: 18058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.1 | 59.7 | 89.5 |
| 98 | 51.2 | 38.0 | 57.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

**Manual Integrations**
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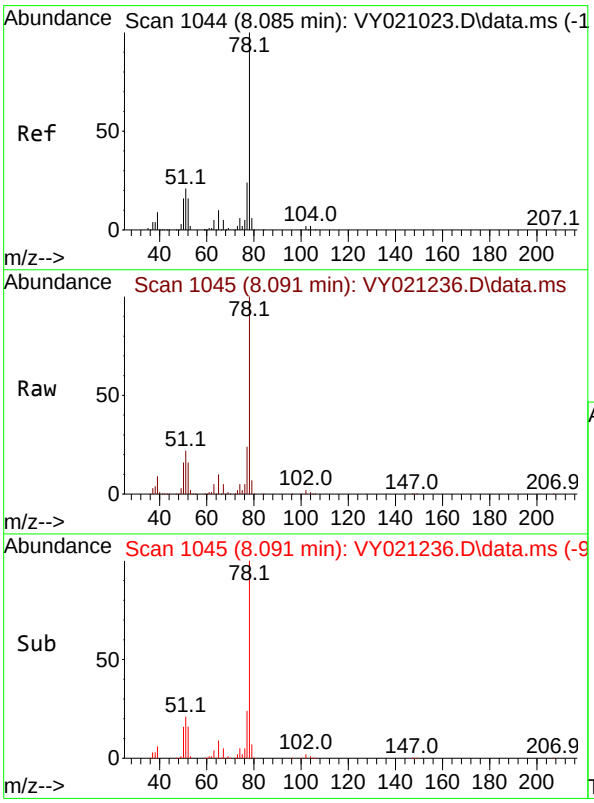
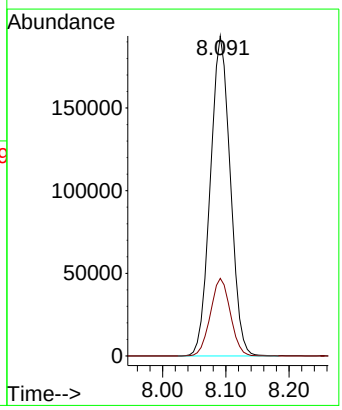
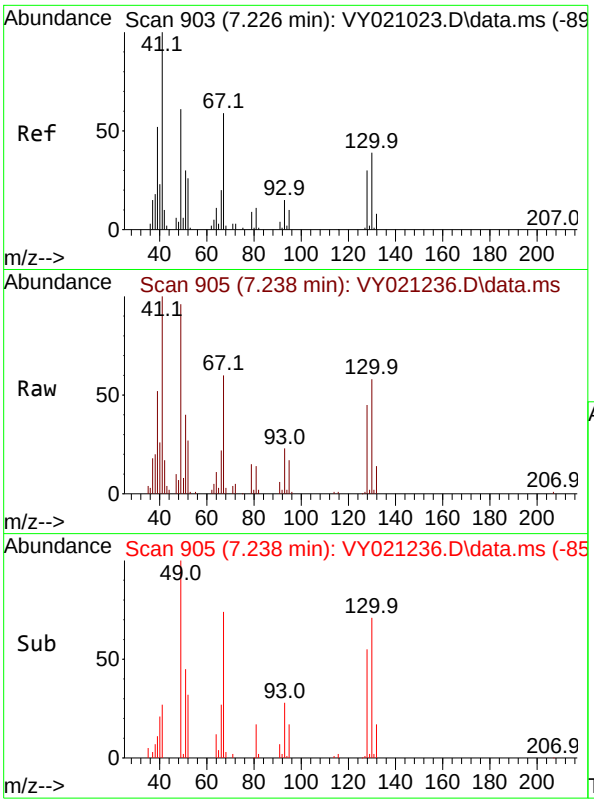



#40
Benzene
Concen: 48.970 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 78 Resp: 424435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.3 | 18.8 | 28.2 |

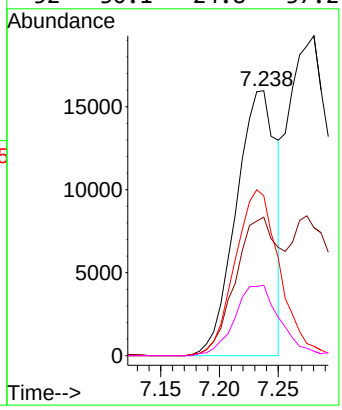





#41
Methacrylonitrile
Concen: 50.853 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 41 Resp: 3811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.8 | 41.9 | 62.9 |
| 67 | 69.7 | 59.8 | 89.6 |
| 52 | 30.1 | 24.8 | 37.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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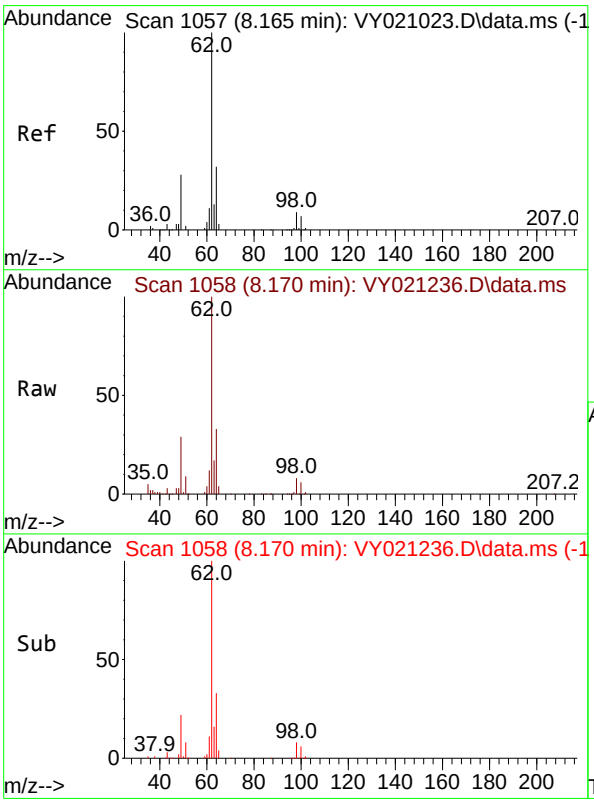
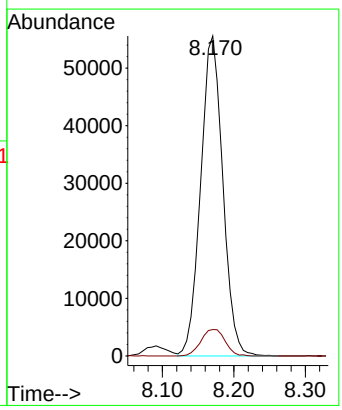
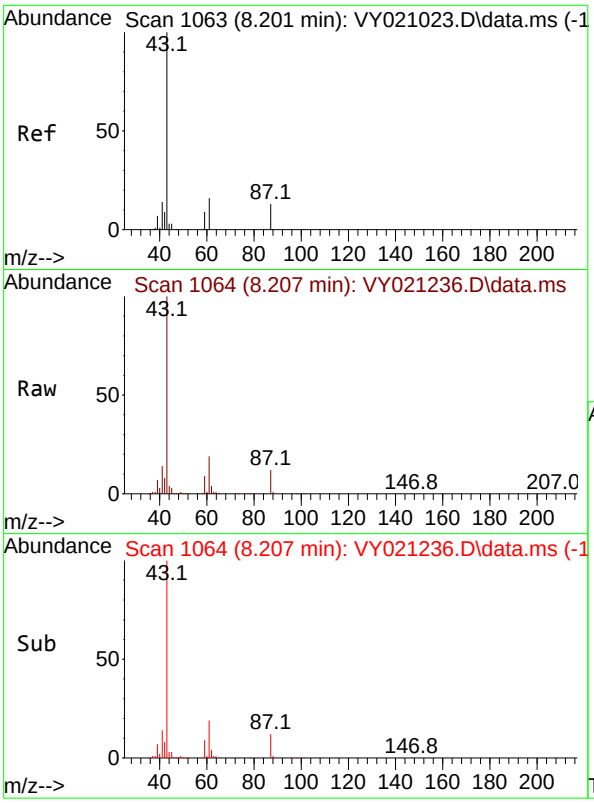



#42
1,2-Dichloroethane
Concen: 49.711 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 62 Resp: 119521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 20.2 |

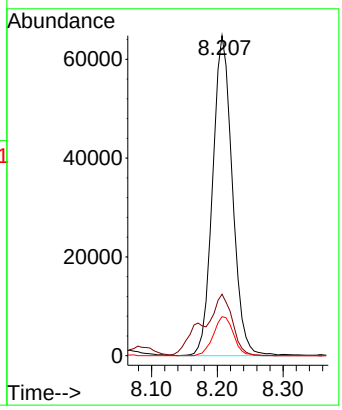





#43
Isopropyl Acetate
Concen: 52.494 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 13514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.2 | 24.8 | 37.2 |
| 87 | 12.5 | 10.7 | 16.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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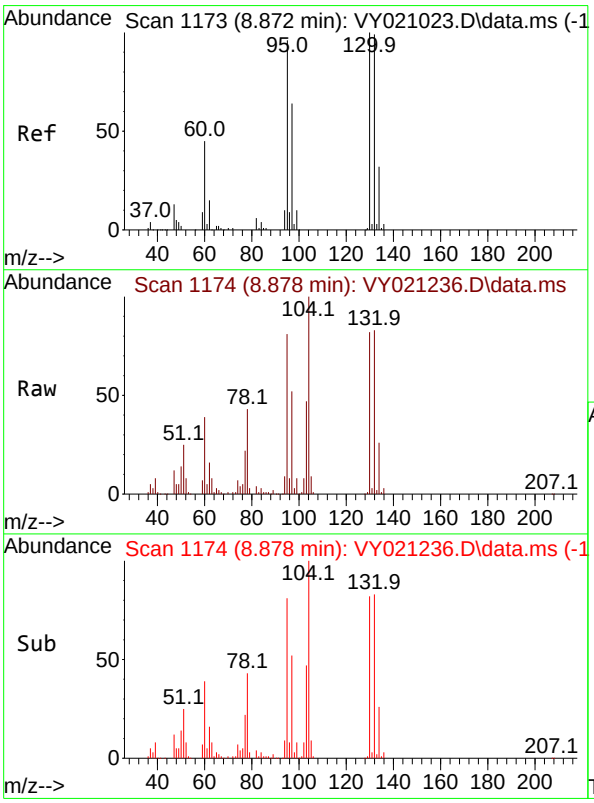
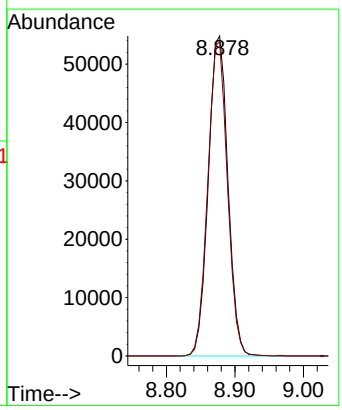
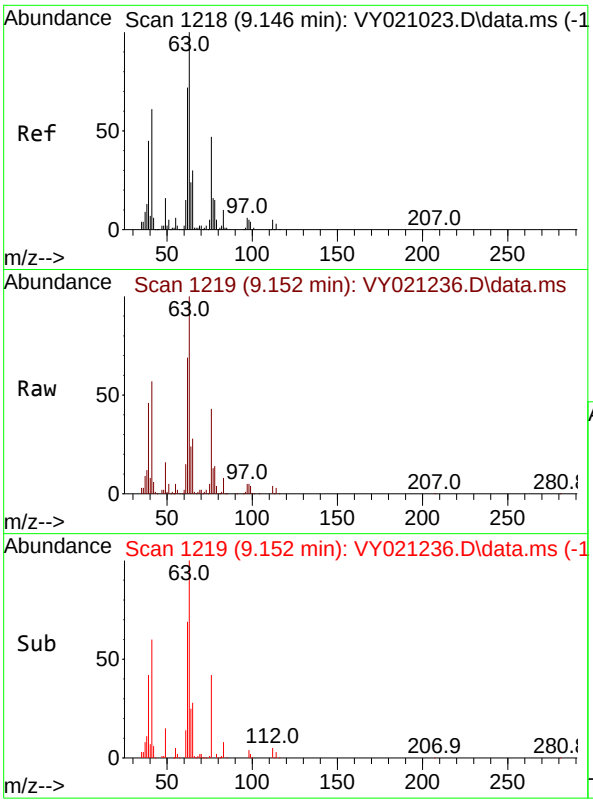



#44
Trichloroethene
Concen: 48.712 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:130 Resp: 109079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.2 | 0.0 | 203.8 |

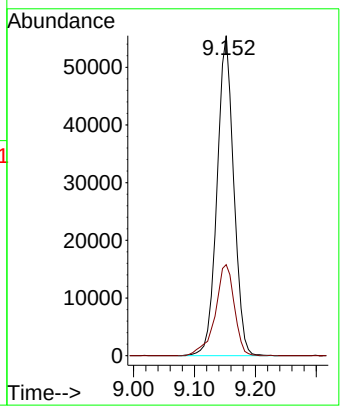





#45
1,2-Dichloropropane
Concen: 51.328 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 63 Resp: 10559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.5 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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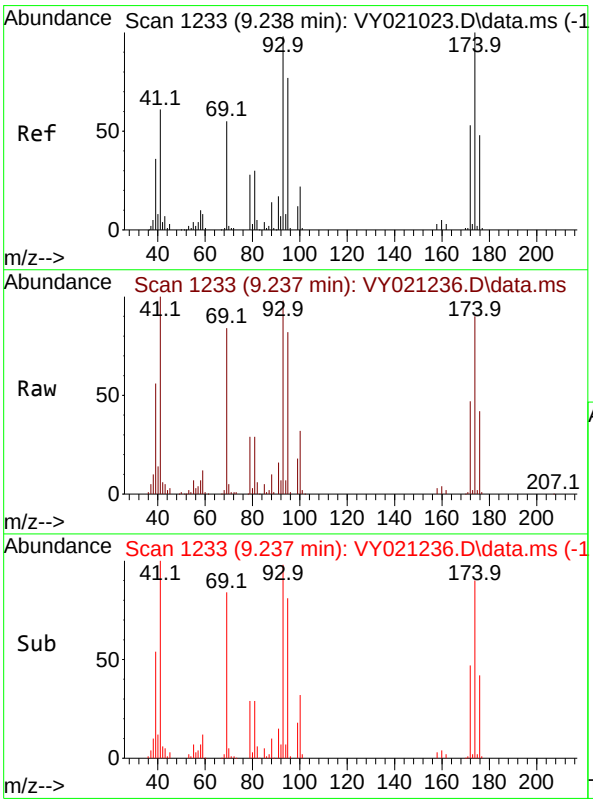
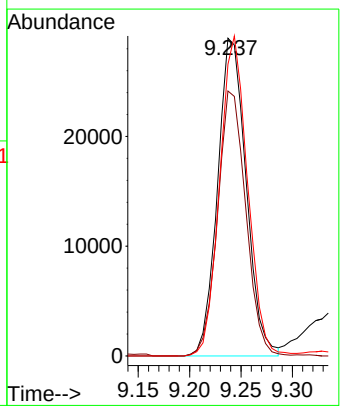
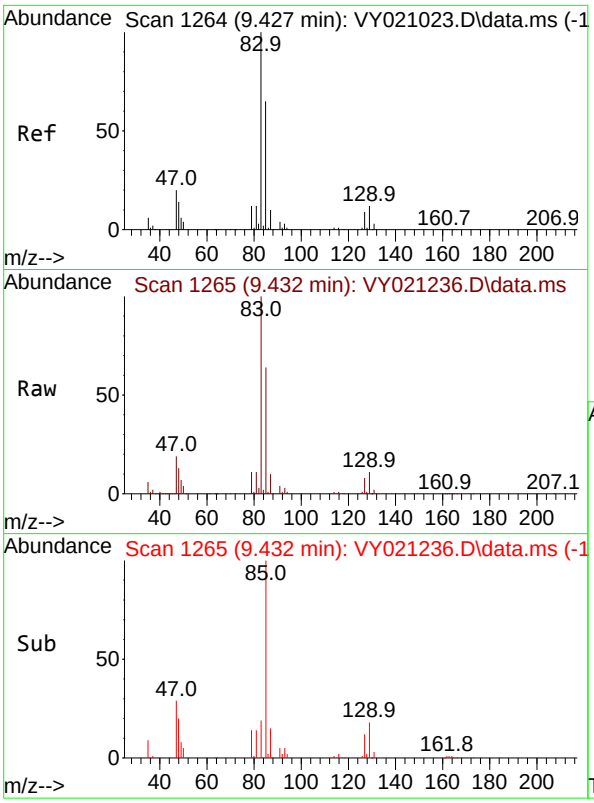



#46
Dibromomethane
Concen: 49.095 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 93 Resp: 55920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.1 | 66.6 | 99.8 |
| 174 | 98.1 | 73.8 | 110.6 |

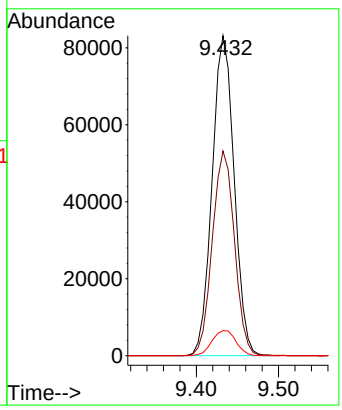





#47
Bromodichloromethane
Concen: 50.636 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 83 Resp: 15468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 53.2 | 79.8 |
| 127 | 7.8 | 6.4 | 9.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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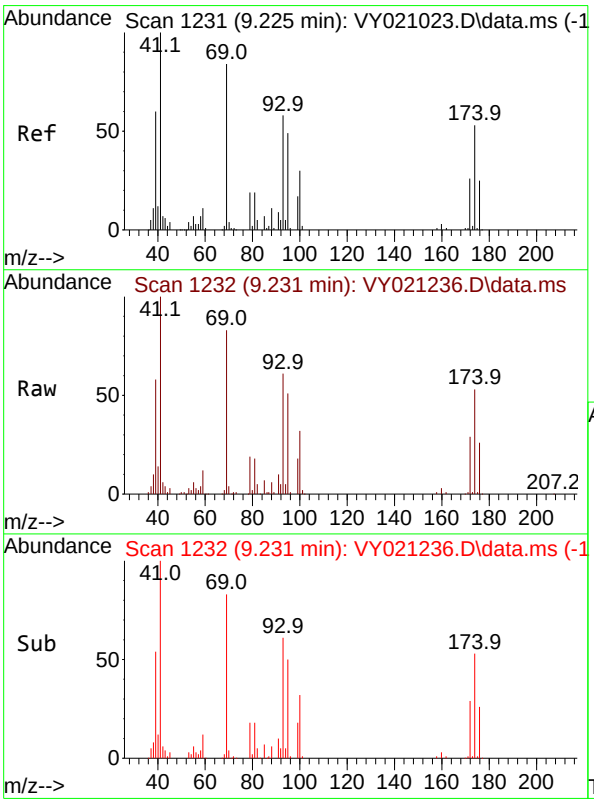
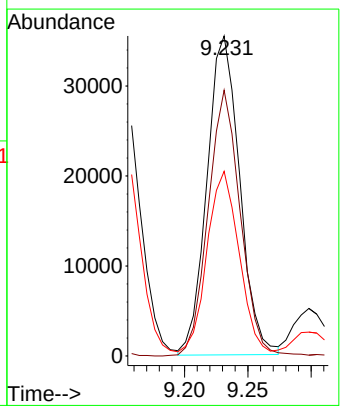
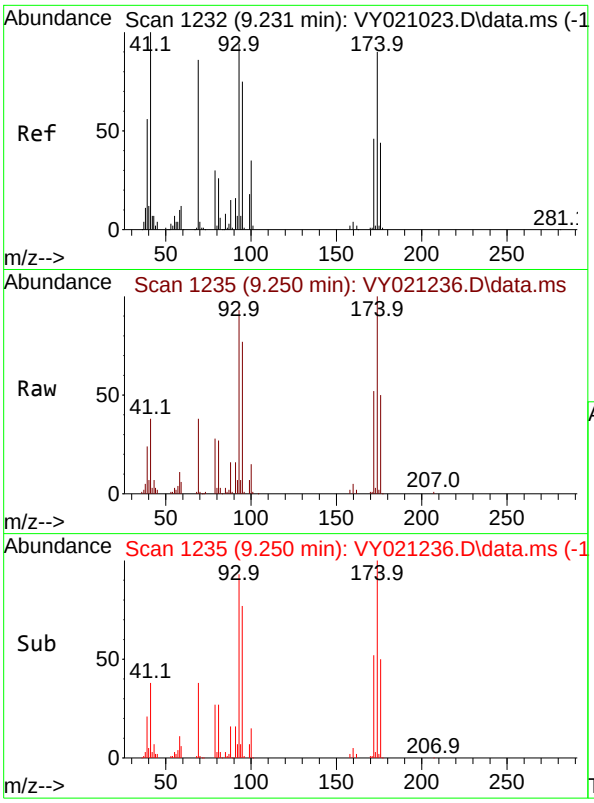



#48
Methyl methacrylate
Concen: 54.376 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 41 Resp: 63766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.0 | 72.1 | 108.1 |
| 39 | 55.0 | 42.8 | 64.2 |






#49
1,4-Dioxane
Concen: 1039.289 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 88 Resp: 1102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.9 | 28.2 | 42.4 |
| 58 | 72.9 | 52.2 | 78.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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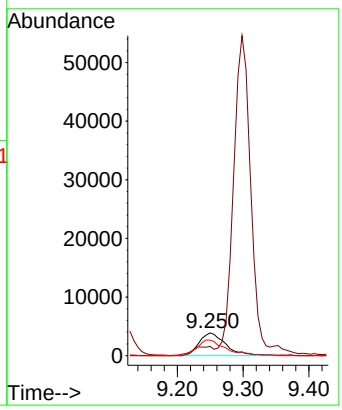
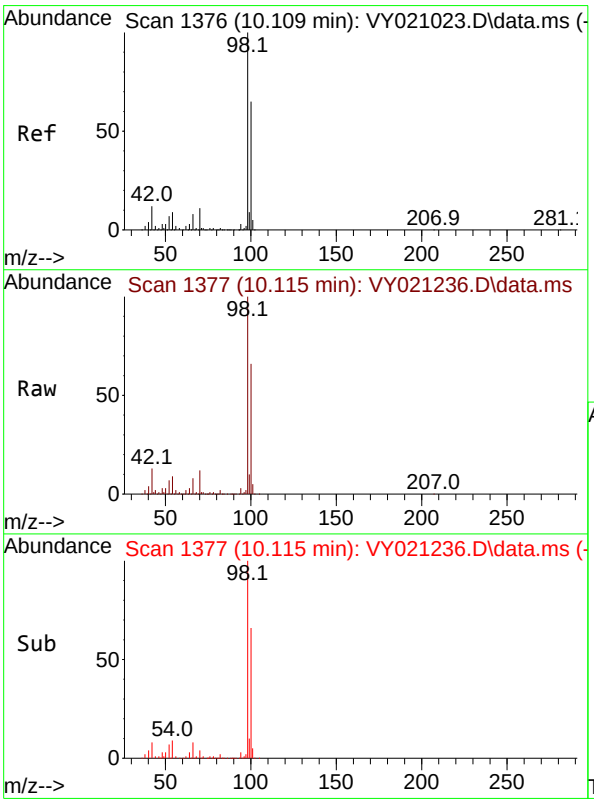
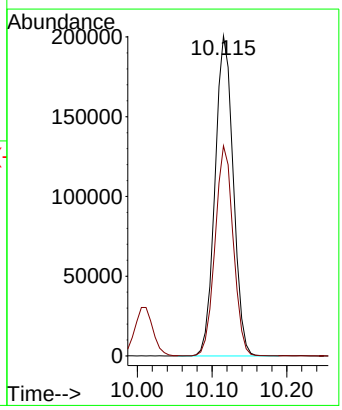


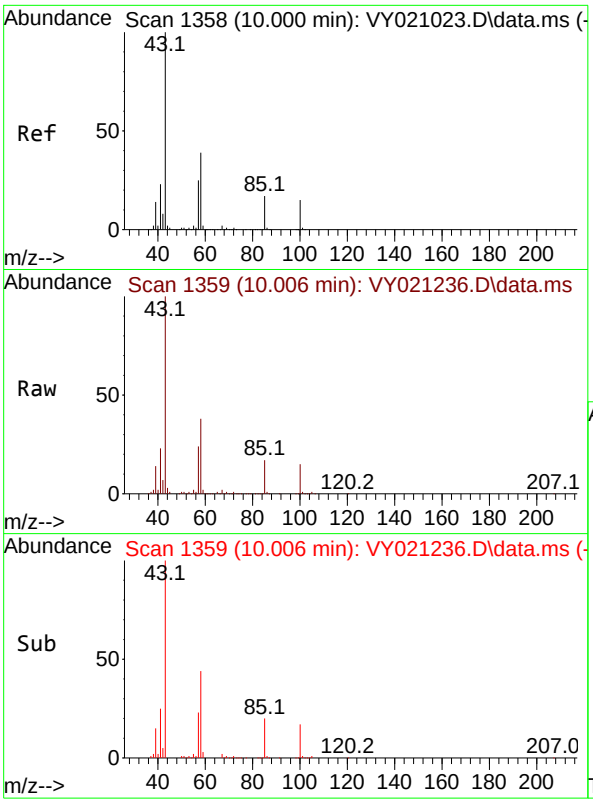




#50
Toluene-d8
Concen: 44.845 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 98 Resp: 340426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 52.3 | 78.5 |

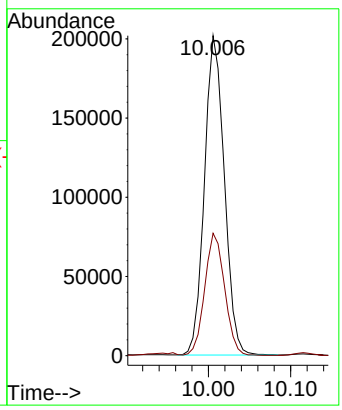





#51
4-Methyl-2-Pentanone
Concen: 261.432 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 33845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.7 | 32.2 | 48.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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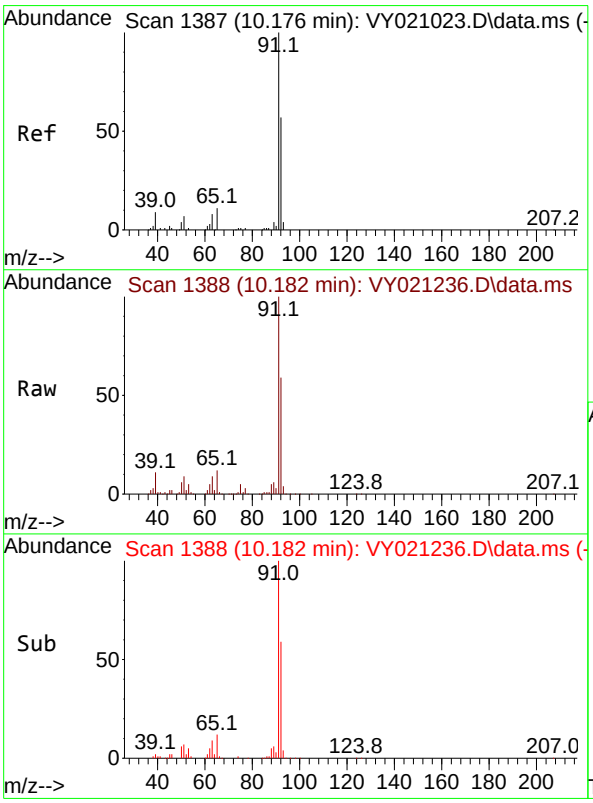
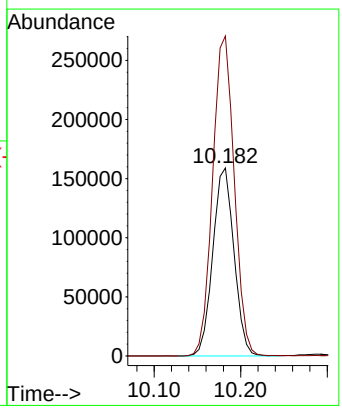
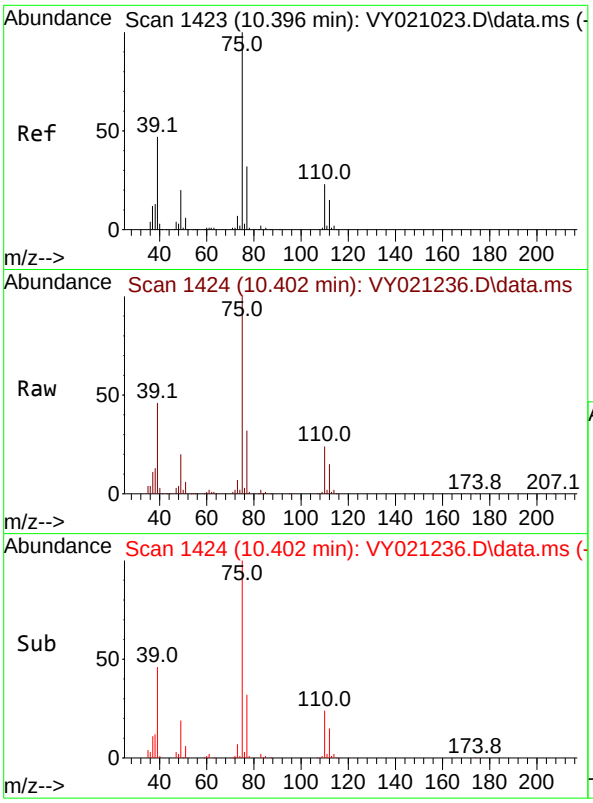



#52
Toluene
Concen: 49.688 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 92 Resp: 270409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.6 | 137.6 | 206.4 |

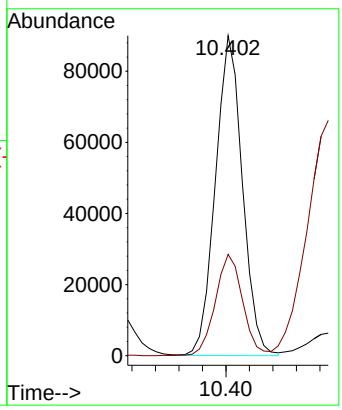





#53
t-1,3-Dichloropropene
Concen: 52.336 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 14355

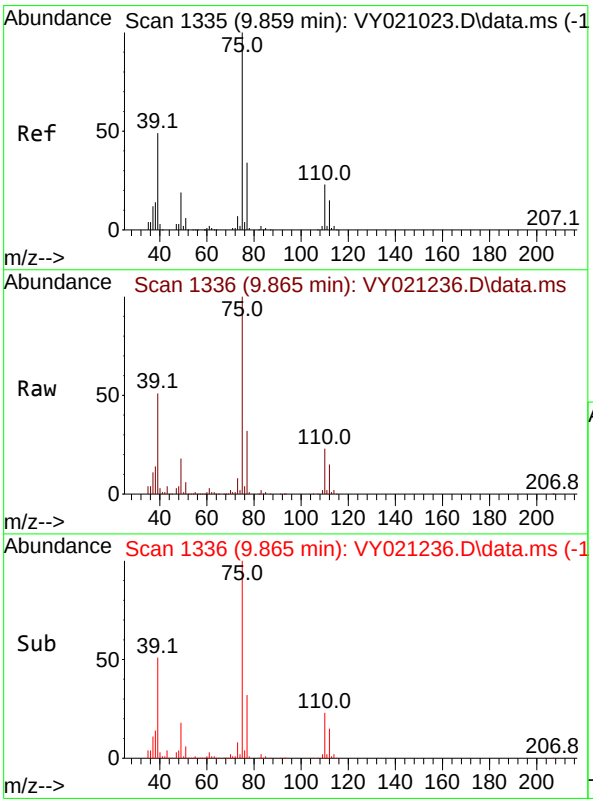
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

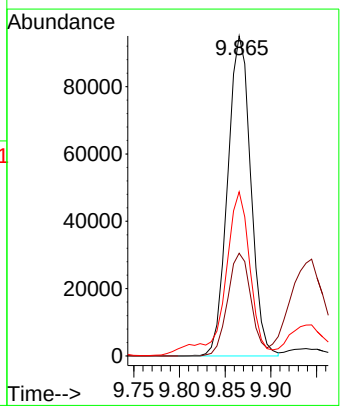
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

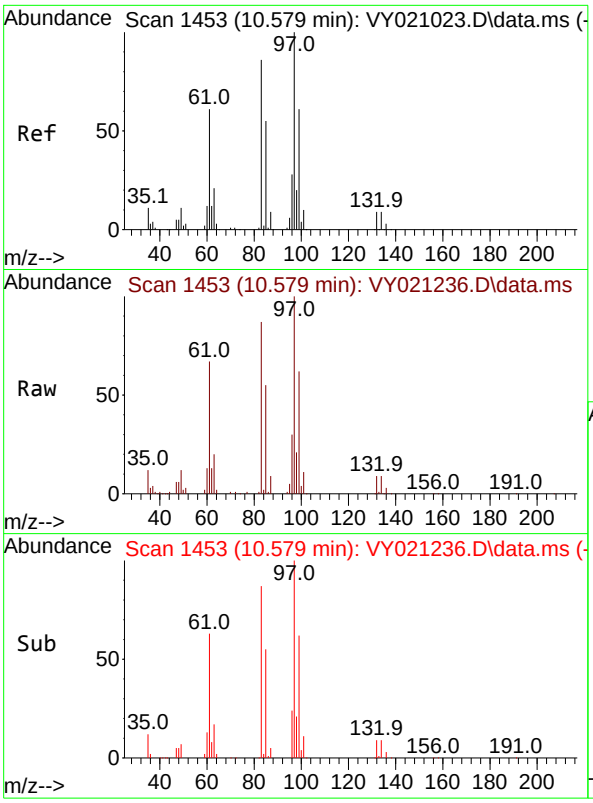



#54
cis-1,3-Dichloropropene
Concen: 51.553 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 167429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 24.6 | 36.8 |
| 39 | 49.1 | 33.6 | 50.4 |

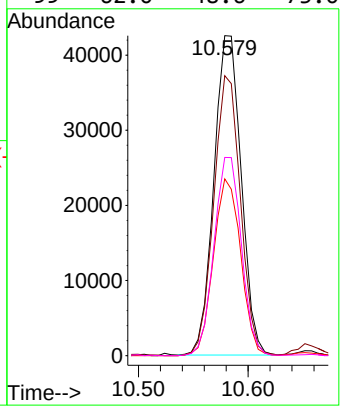





#55
1,1,2-Trichloroethane
Concen: 49.892 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 97 Resp: 7358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.7 | 69.4 | 104.2 |
| 85 | 55.4 | 43.9 | 65.9 |
| 99 | 62.0 | 48.6 | 73.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/20/2025
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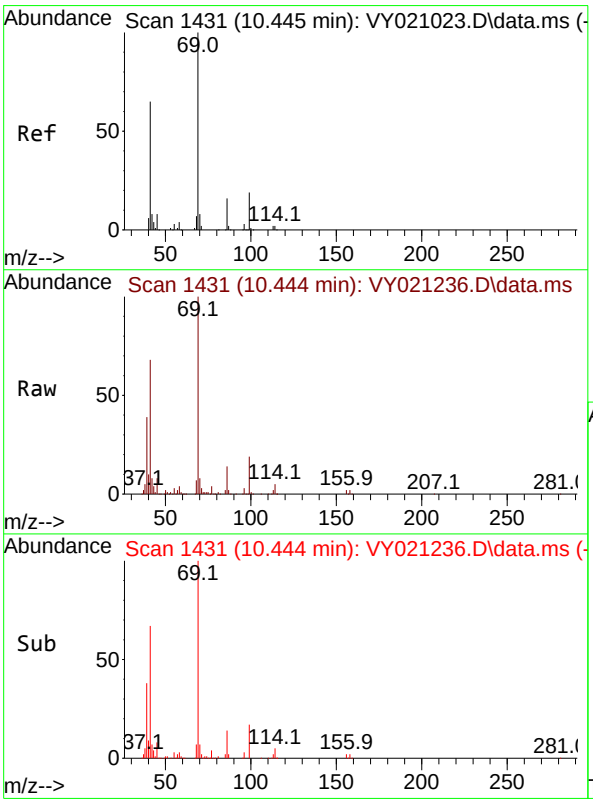
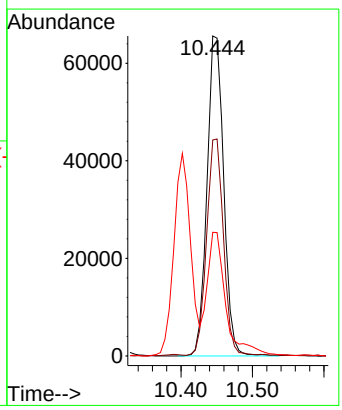
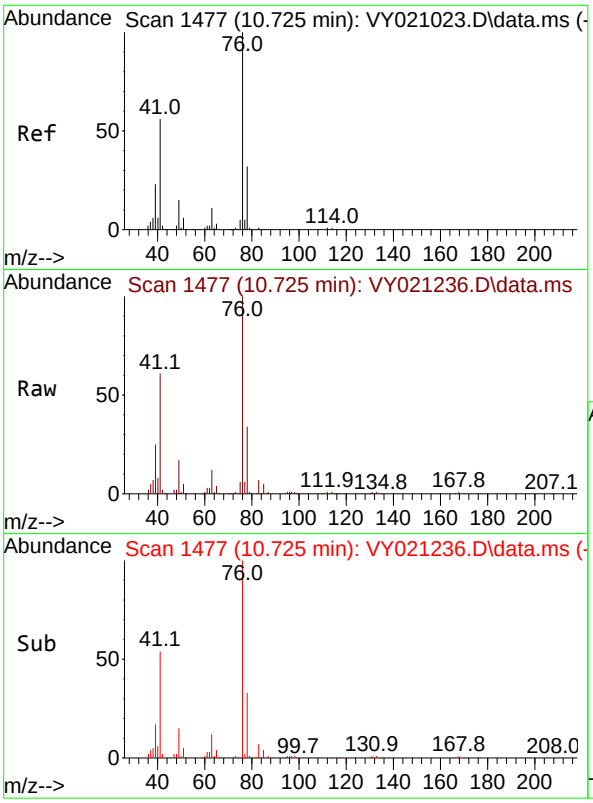



#56
Ethyl methacrylate
Concen: 53.867 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 69 Resp: 106288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.0 | 49.2 | 73.8 |
| 39 | 42.9 | 26.8 | 40.2# |






#57
1,3-Dichloropropane
Concen: 51.769 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 76 Resp: 13216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 26.1 | 39.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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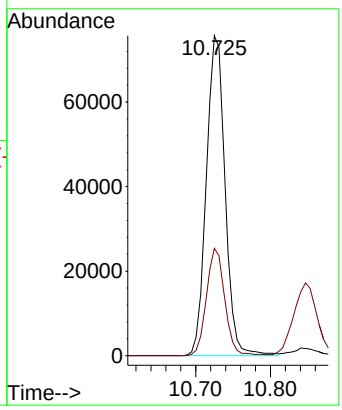
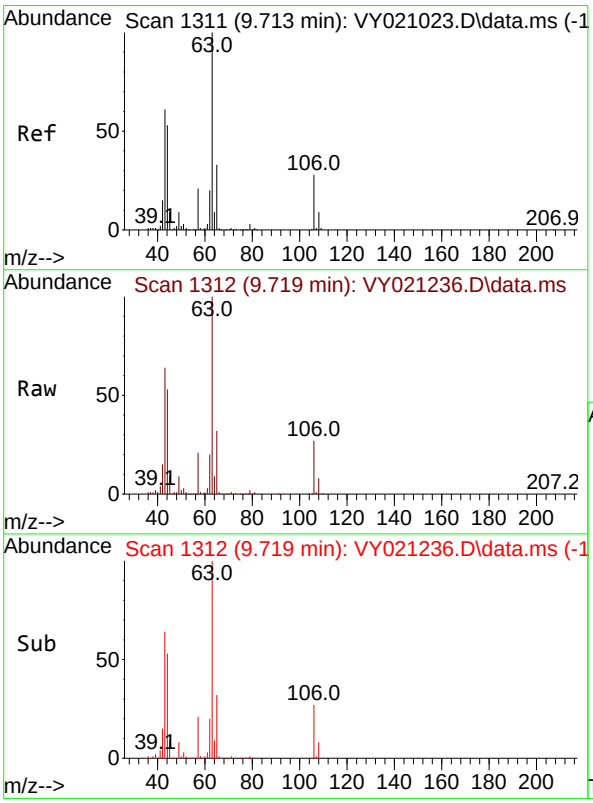
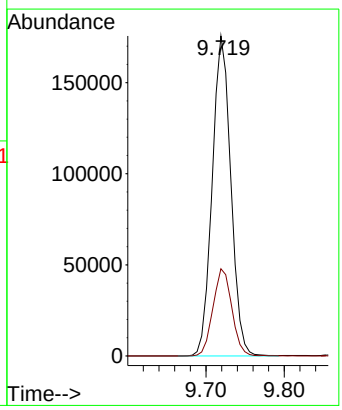


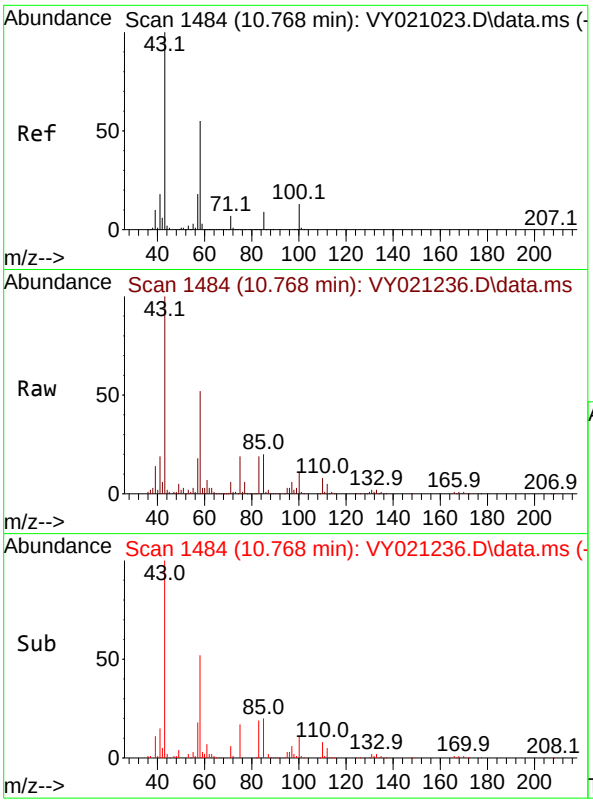




#58
2-Chloroethyl Vinyl ether
Concen: 309.543 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 63 Resp: 290576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.6 | 22.4 | 33.6 |






#59
2-Hexanone
Concen: 268.437 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 22375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.2 | 28.1 | 84.3 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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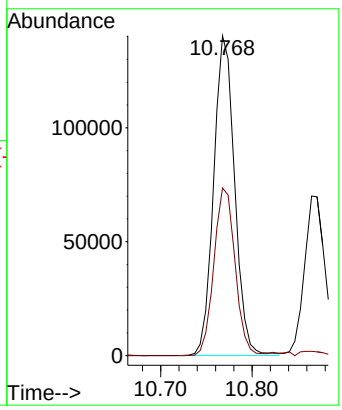
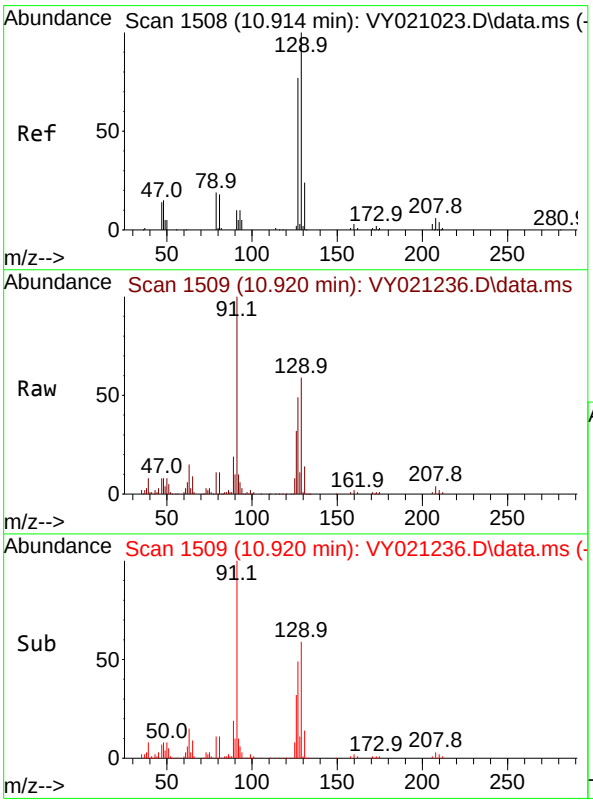
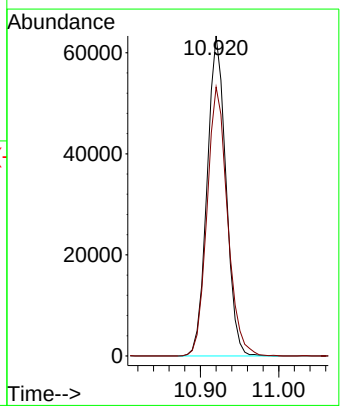


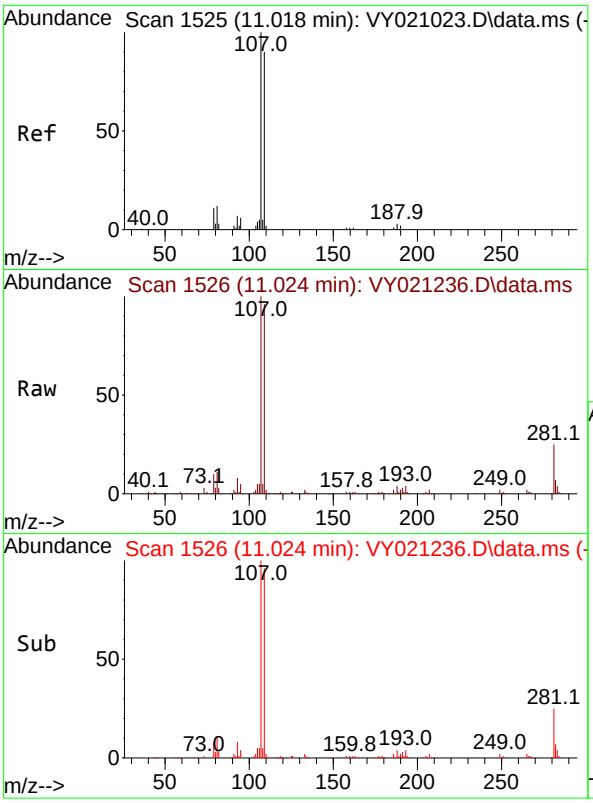




#60
Dibromochloromethane
Concen: 50.976 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:129 Resp: 105589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 91.4 | 39.2 | 117.6 |

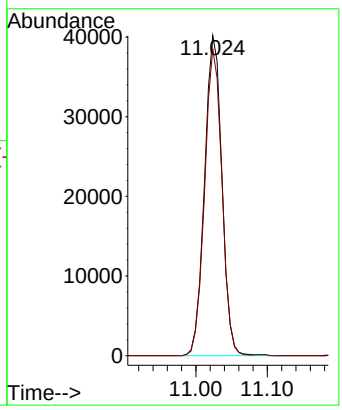





#61
1,2-Dibromoethane
Concen: 49.079 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:107 Resp: 6780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.4 | 75.4 | 113.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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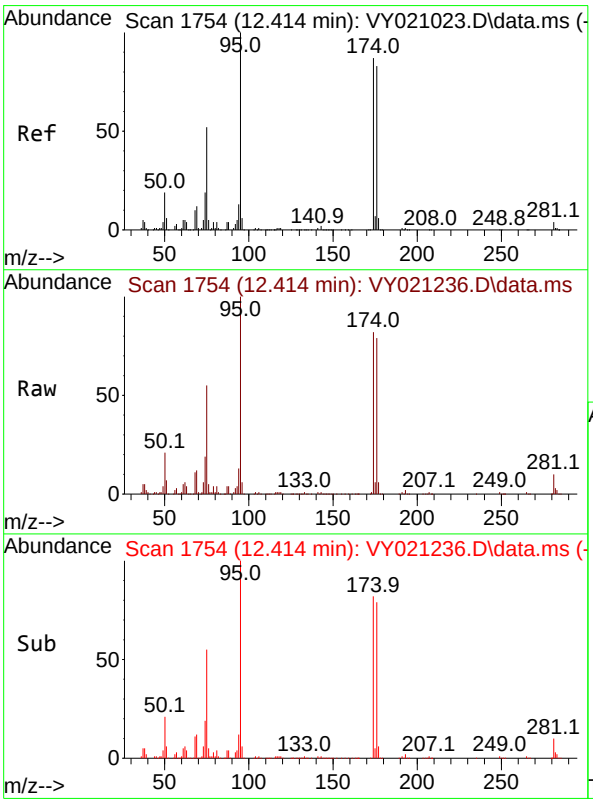
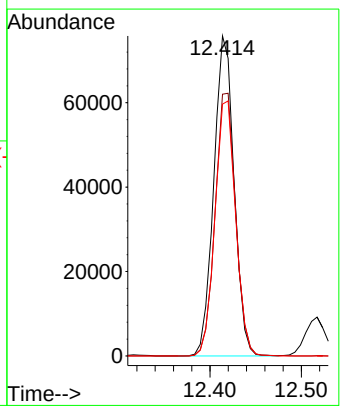
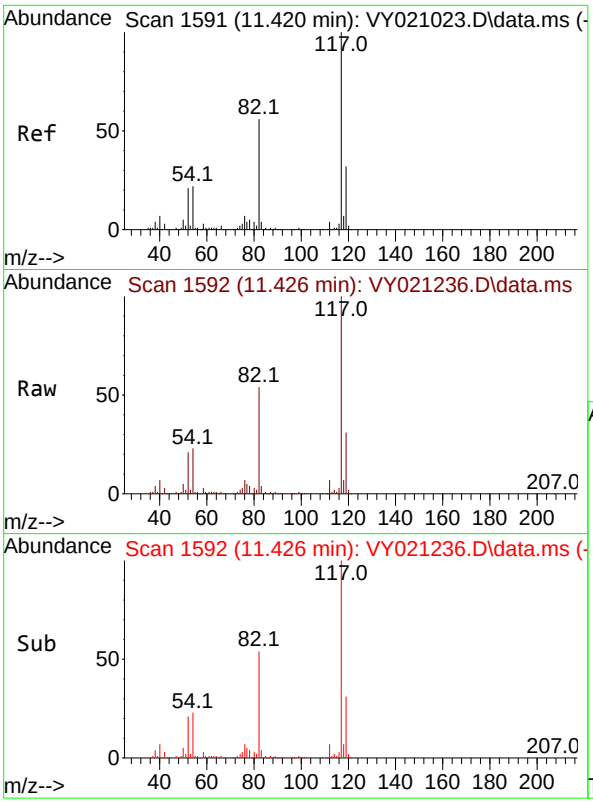



#62
4-Bromofluorobenzene
Concen: 47.196 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 95 Resp: 117047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.4 | 0.0 | 160.0 |
| 176 | 81.2 | 0.0 | 151.8 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:117 Resp: 26656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.4 | 43.8 | 65.8 |
| 119 | 31.4 | 26.5 | 39.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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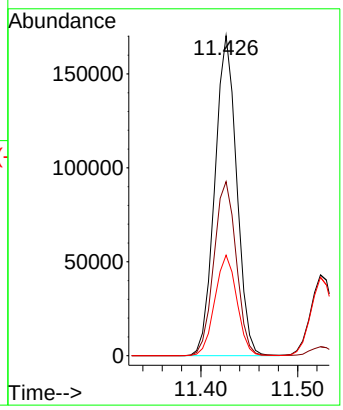
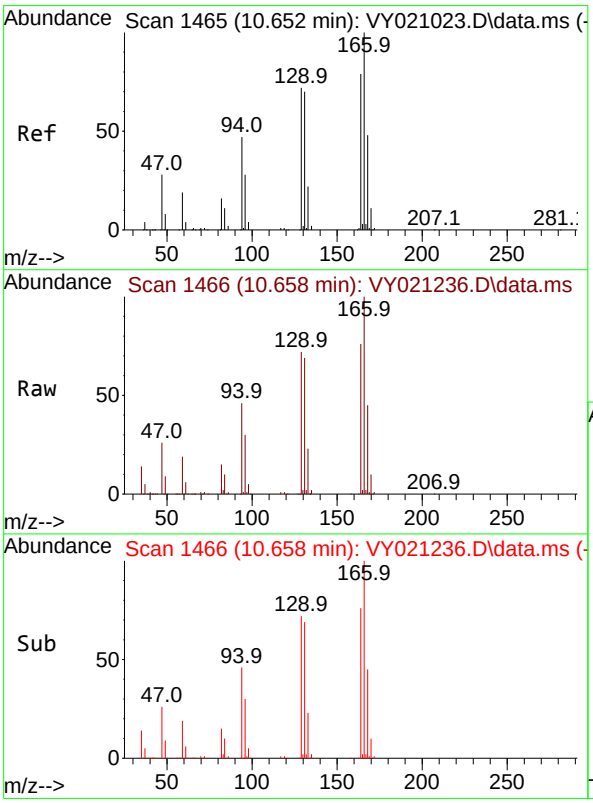
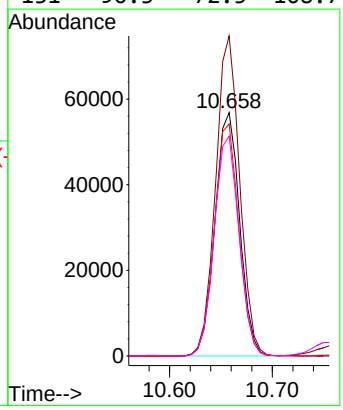


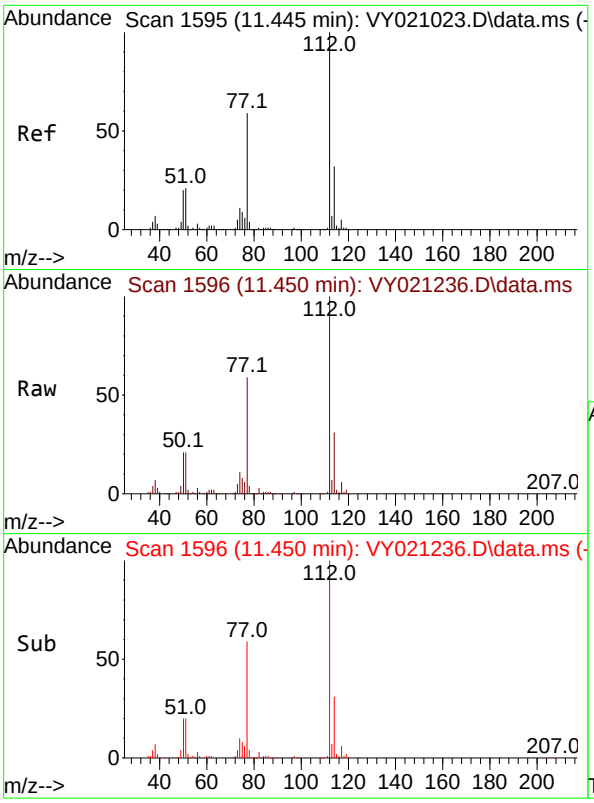




#64
Tetrachloroethene
Concen: 47.954 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:164 Resp: 94893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.5 | 98.8 | 148.2 |
| 129 | 95.3 | 78.9 | 118.3 |
| 131 | 90.3 | 72.5 | 108.7 |

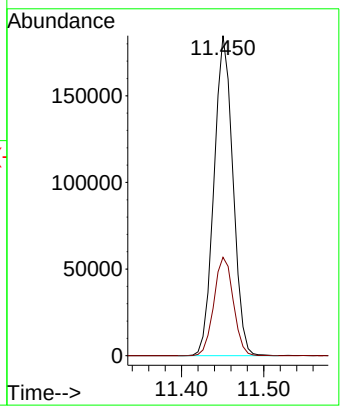





#65
Chlorobenzene
Concen: 49.788 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:112 Resp: 29551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.8 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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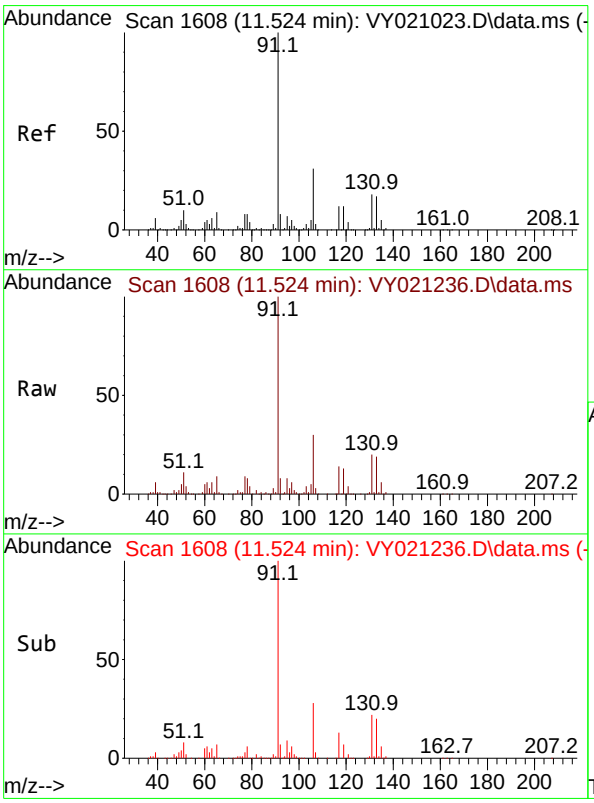
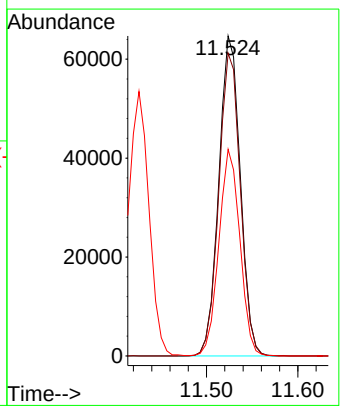
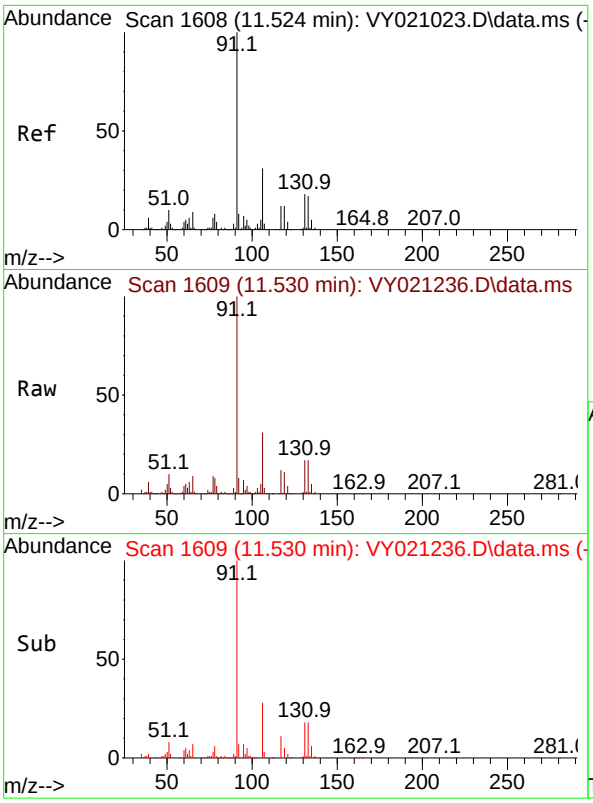



#66
1,1,1,2-Tetrachloroethane
Concen: 50.076 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:131 Resp: 105626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.1 | 47.0 | 141.0 |
| 119 | 63.4 | 33.3 | 99.9 |

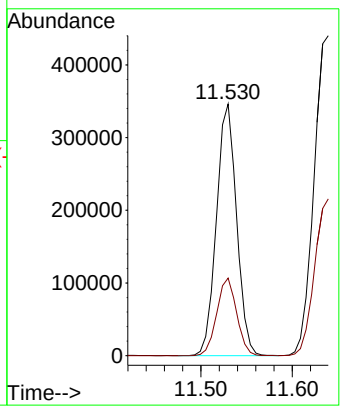





#67
Ethyl Benzene
Concen: 50.579 ug/l
RT: 11.530 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 53099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.8 | 25.0 | 37.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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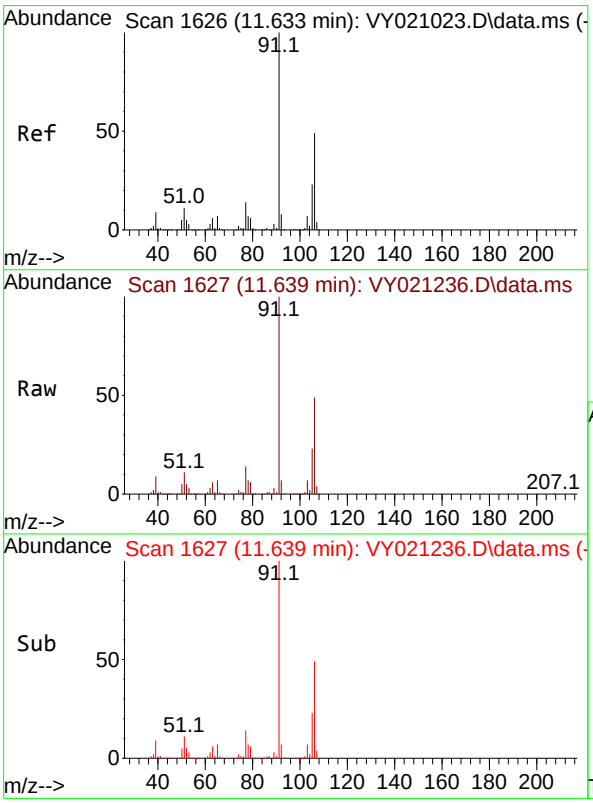
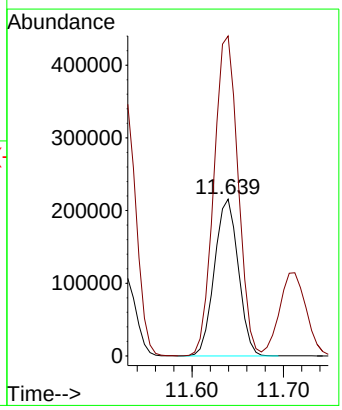
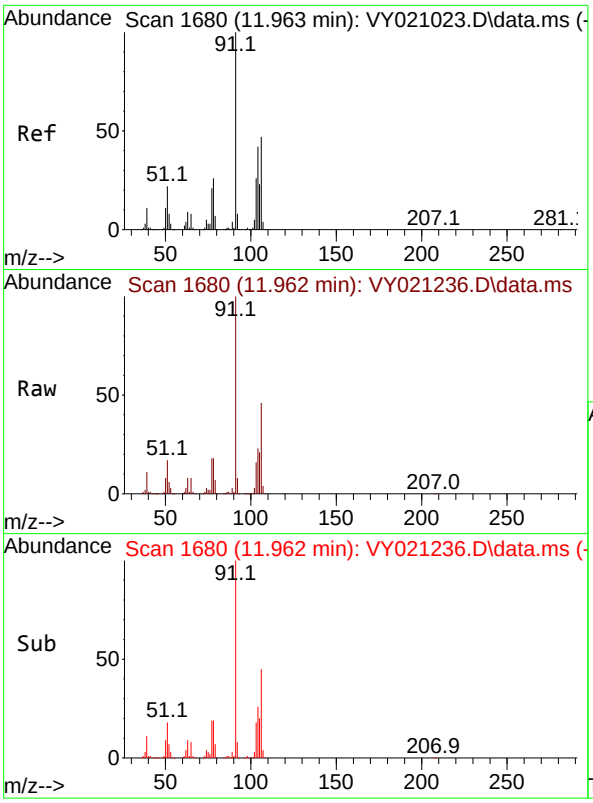



#68
m/p-Xylenes
Concen: 99.601 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:106 Resp: 391171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.1 | 160.7 | 241.1 |






#69
o-Xylene
Concen: 51.555 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:106 Resp: 18877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.1 | 106.5 | 319.5 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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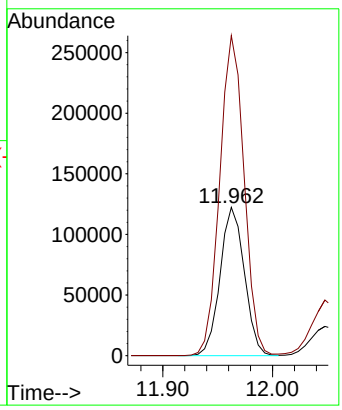
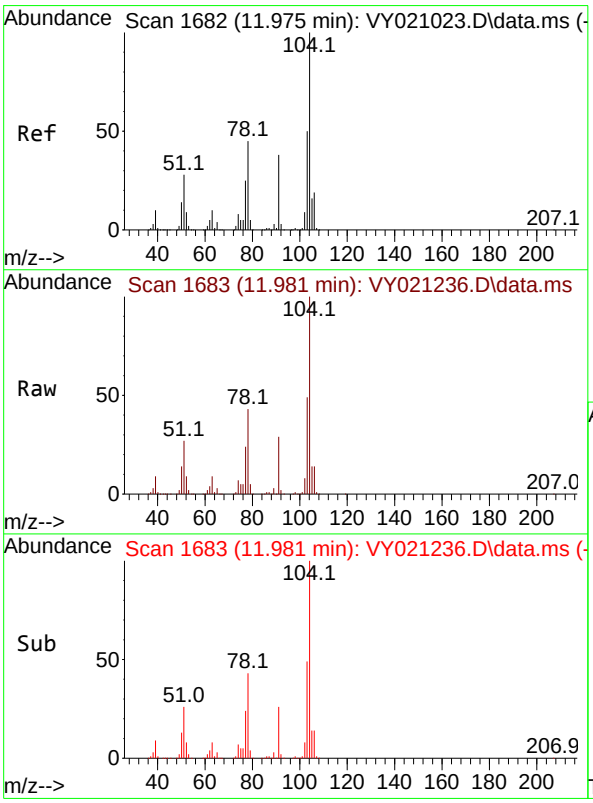
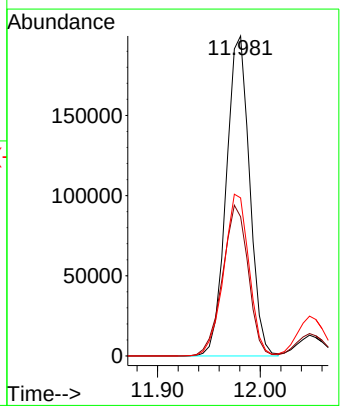


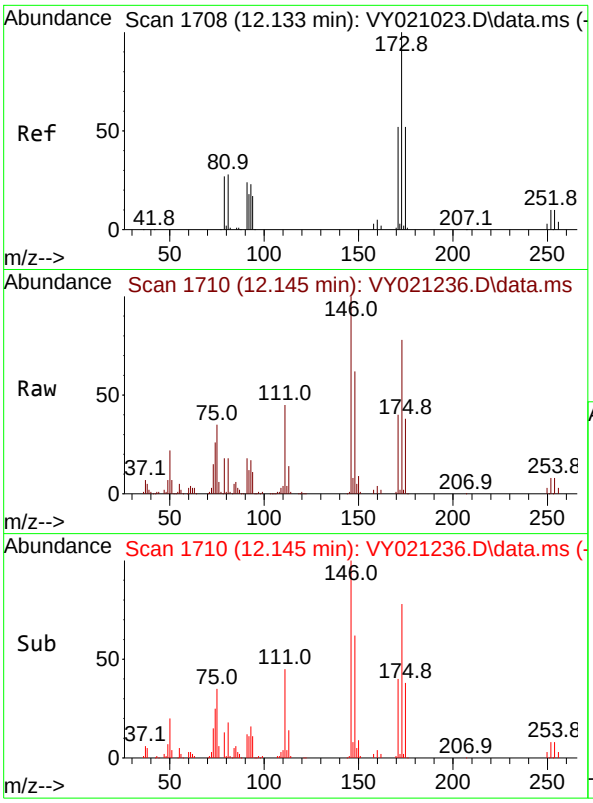




#70
Styrene
Concen: 51.620 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:104 Resp: 315025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 39.2 | 58.8 |
| 103 | 54.8 | 43.8 | 65.6 |

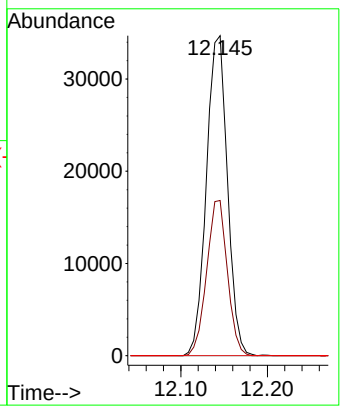





#71
Bromoform
Concen: 49.825 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:173 Resp: 5849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.7 | 23.5 | 70.6 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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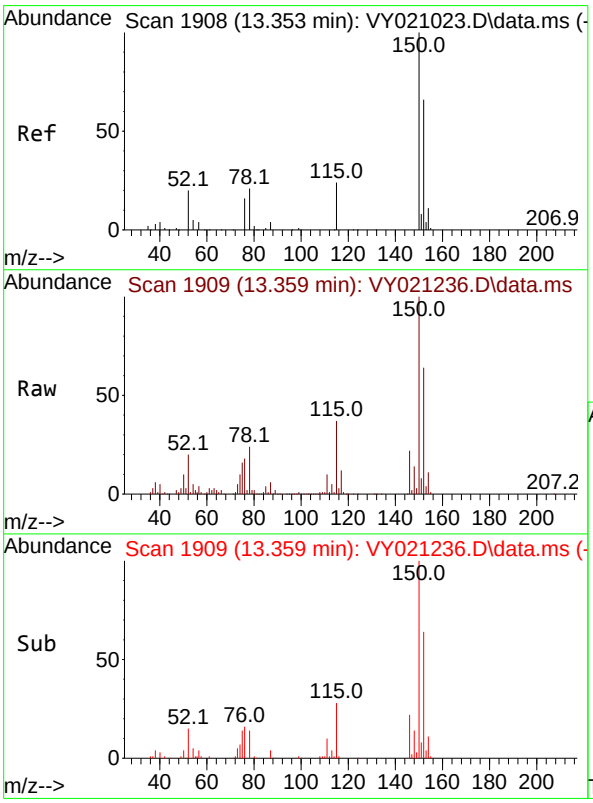
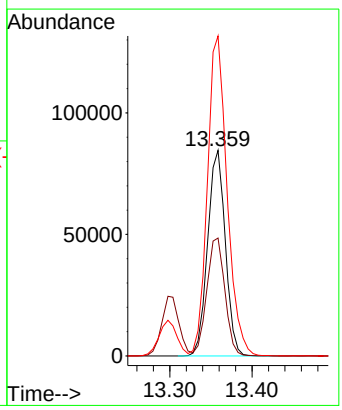
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

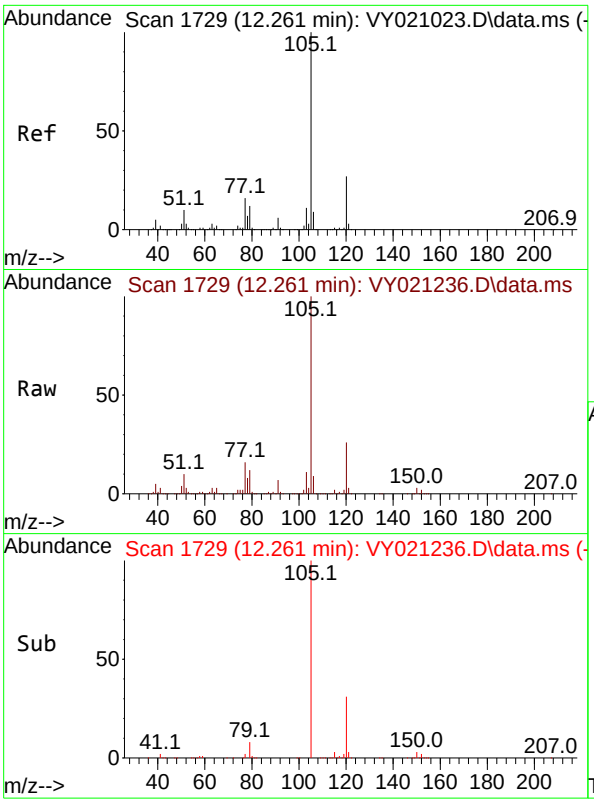



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:152 Resp: 126814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.5 | 30.0 | 90.0 |
| 150 | 172.9 | 0.0 | 344.6 |

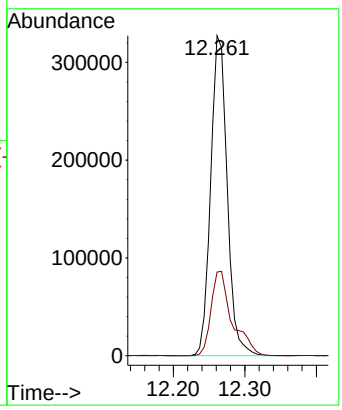





#73
Isopropylbenzene
Concen: 53.006 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 52507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 33.6 | 13.0 | 39.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

**Manual Integrations**
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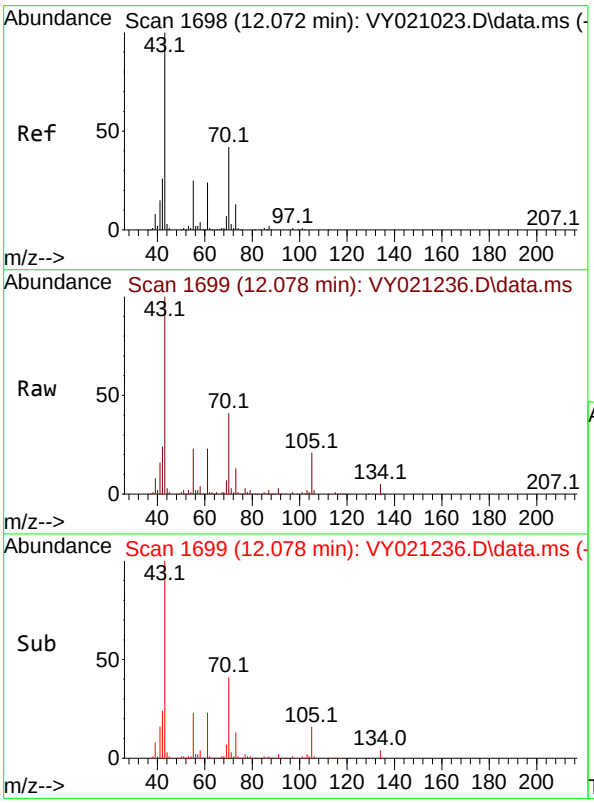
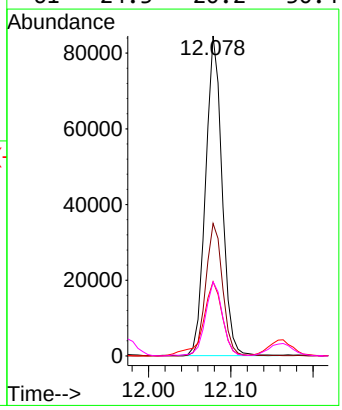
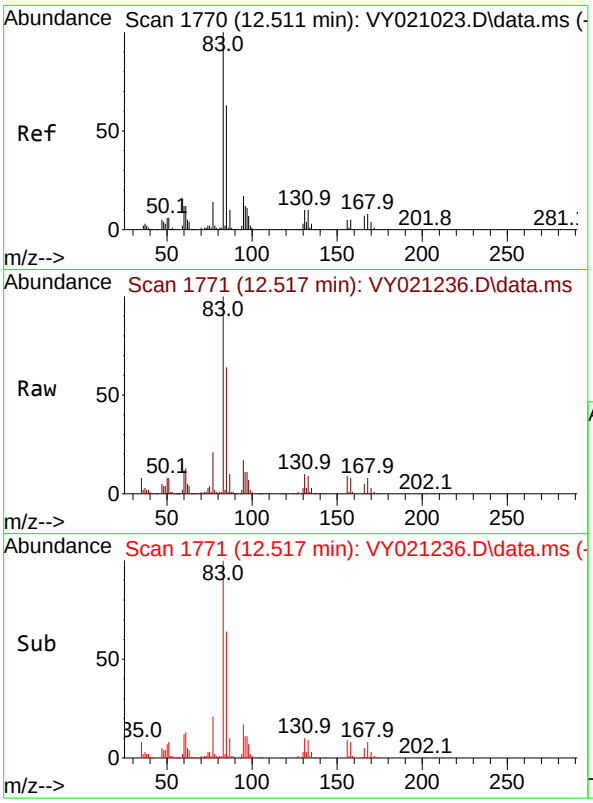



#74
N-amyl acetate
Concen: 54.480 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 117988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.2 | 36.6 | 55.0 |
| 55 | 27.0 | 22.2 | 33.4 |
| 61 | 24.3 | 20.2 | 30.4 |






#75
1,1,2,2-Tetrachloroethane
Concen: 49.512 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 83 Resp: 8157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 4.9 | 14.6 |
| 85 | 64.4 | 32.6 | 98.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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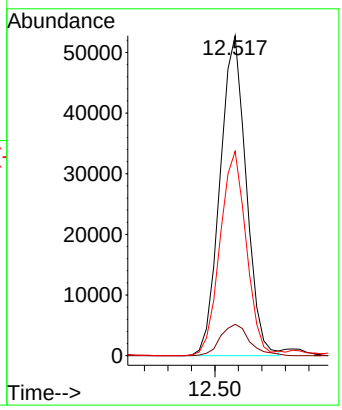
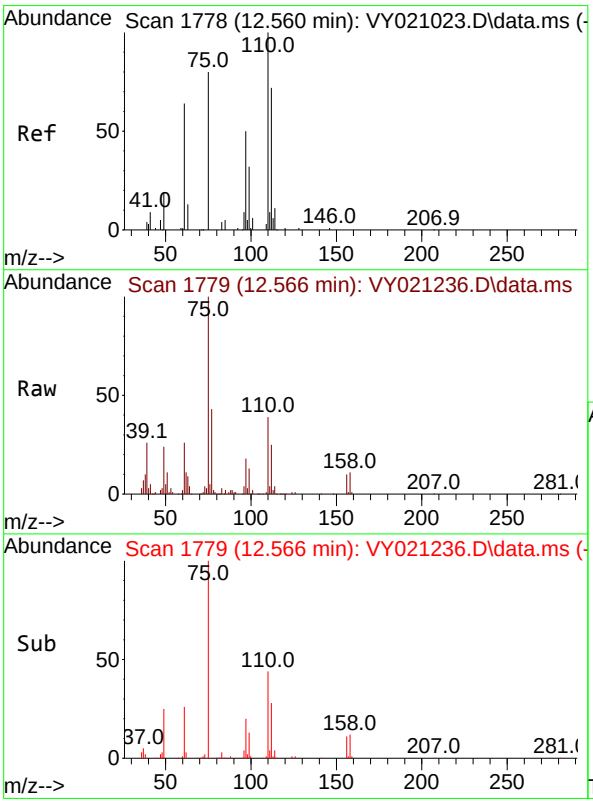
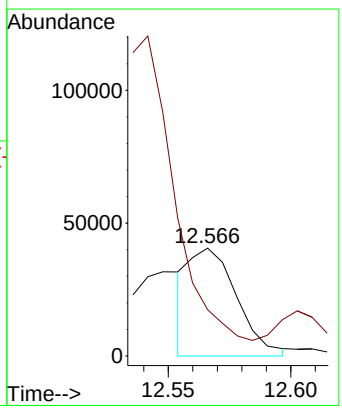


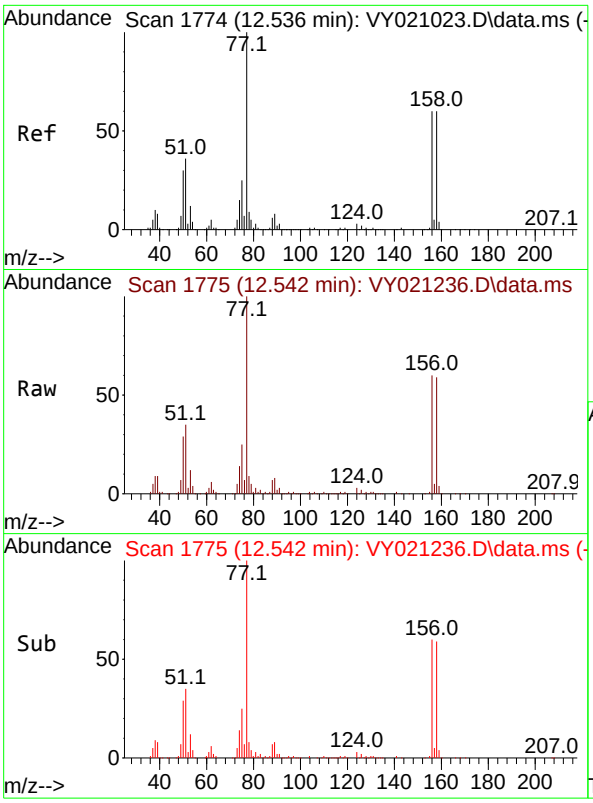




#76
1,2,3-Trichloropropane
Concen: 47.921 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 55126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

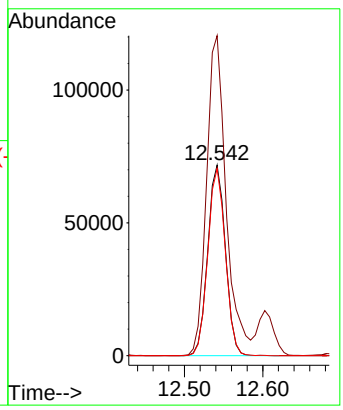





#77
Bromobenzene
Concen: 49.154 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:156 Resp: 11236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.8 | 97.3 | 291.8 |
| 158 | 97.5 | 48.4 | 145.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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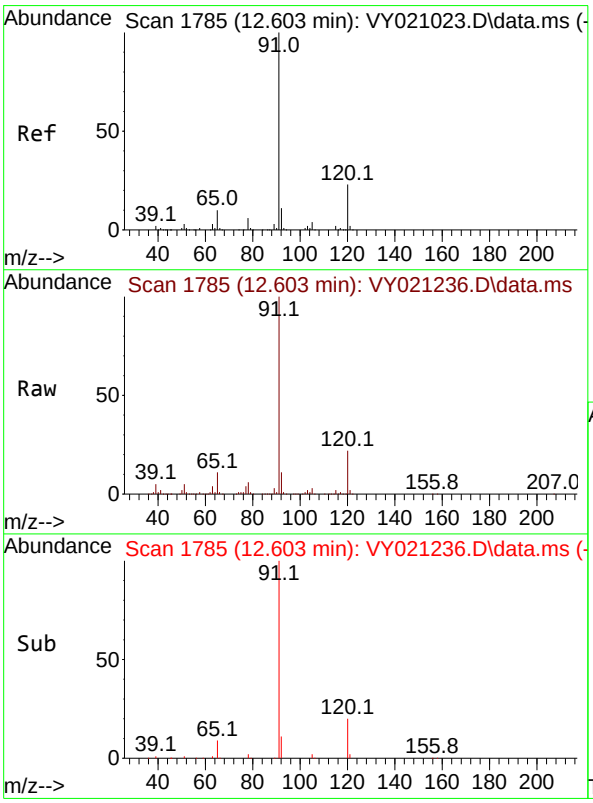
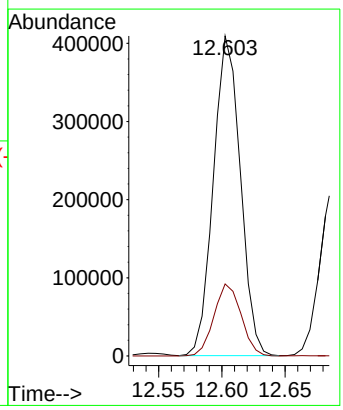
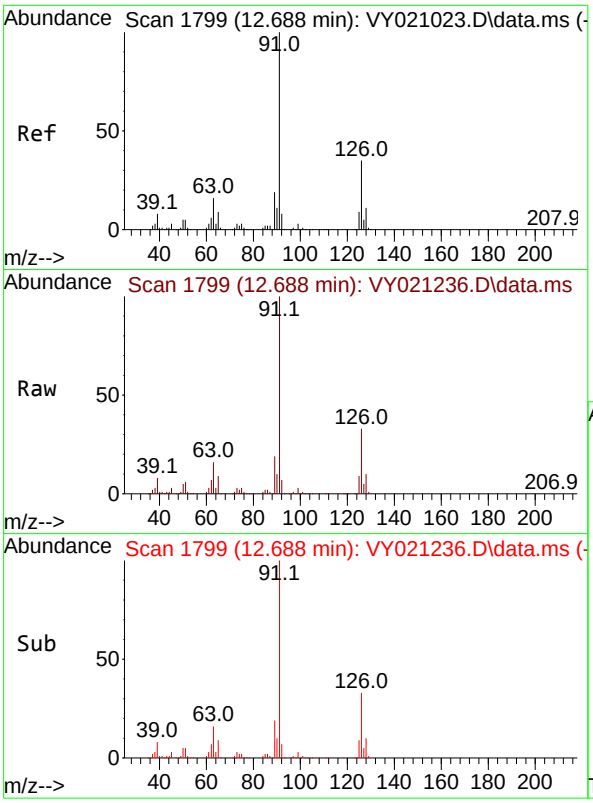



#78
n-propylbenzene
Concen: 51.330 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 605704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.0 | 33.0 |

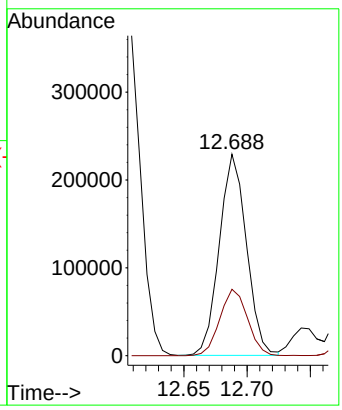





#79
2-Chlorotoluene
Concen: 50.565 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 34174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 17.0 | 51.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

**Manual Integrations**
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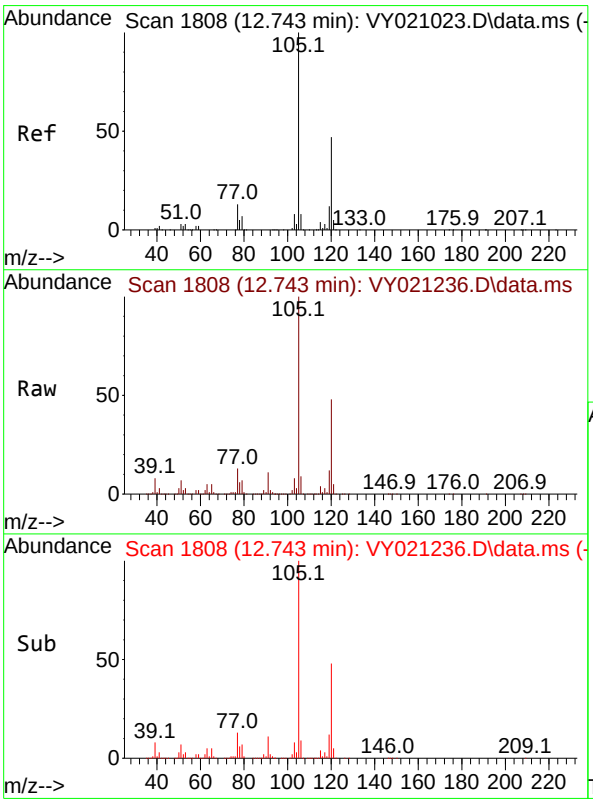
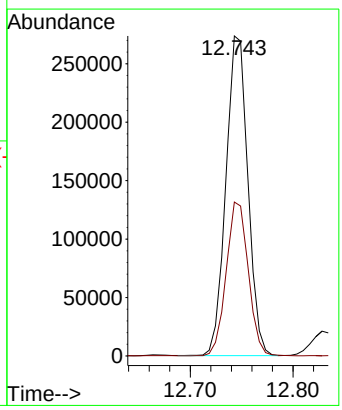
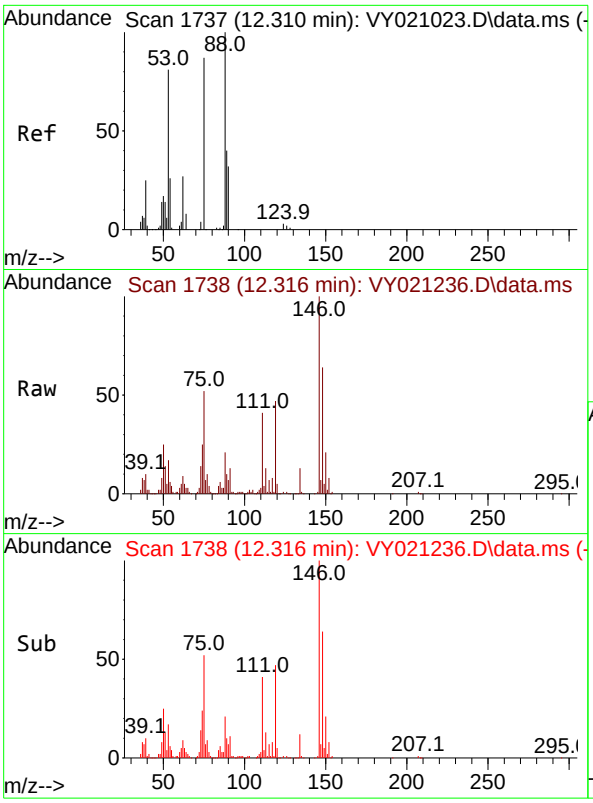



#80
1,3,5-Trimethylbenzene
Concen: 50.629 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 406625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 24.3 | 72.8 |

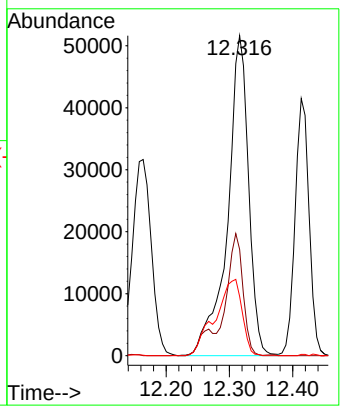





#81
trans-1,4-Dichloro-2-butene
Concen: 212.252 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 11966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 29.2 | 74.0 | 111.0# |
| 89 | 30.4 | 36.5 | 54.7# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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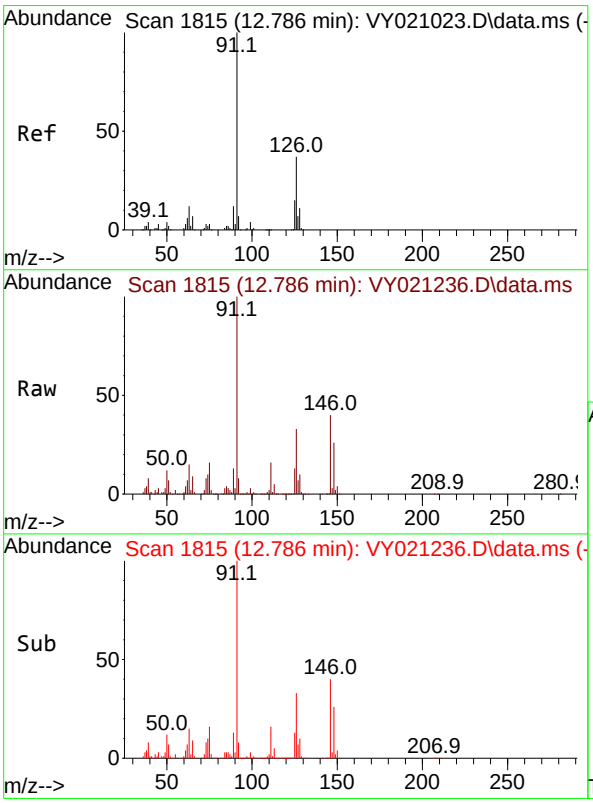
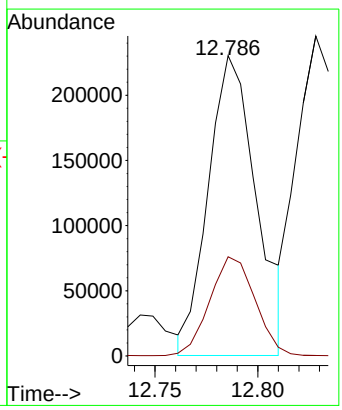
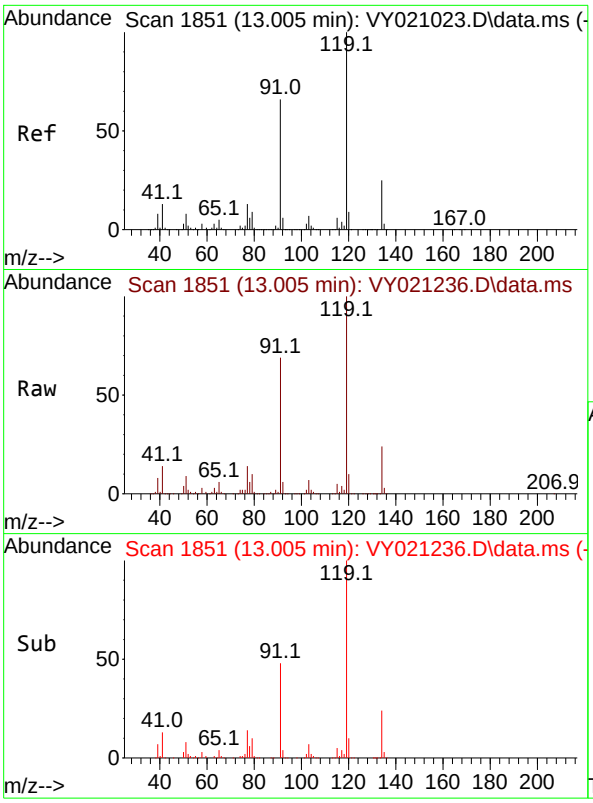



#82
4-Chlorotoluene
Concen: 54.307 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 373956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.5 | 17.1 | 51.2 |






#83
tert-Butylbenzene
Concen: 50.825 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:119 Resp: 37103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.5 | 31.5 | 94.5 |
| 134 | 27.0 | 13.1 | 39.3 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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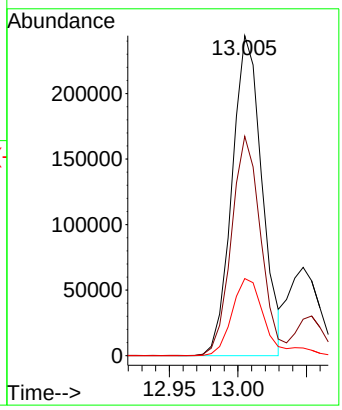
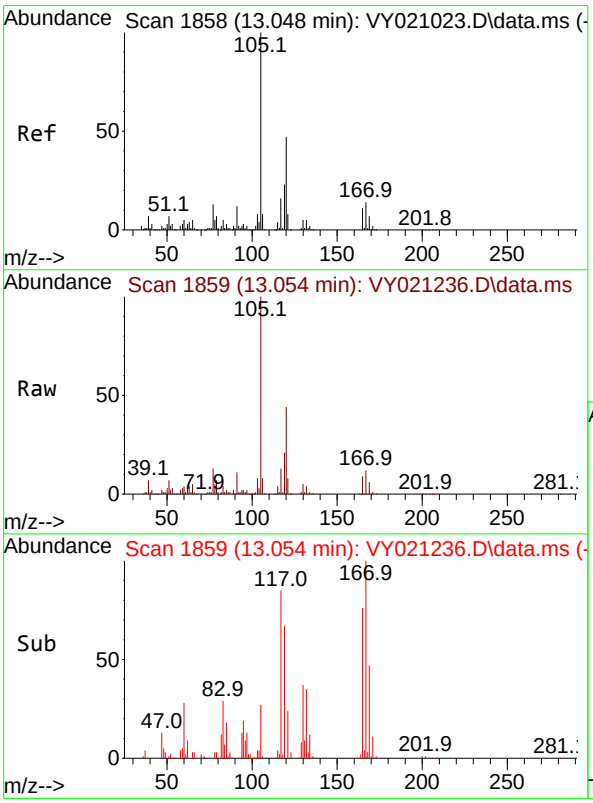
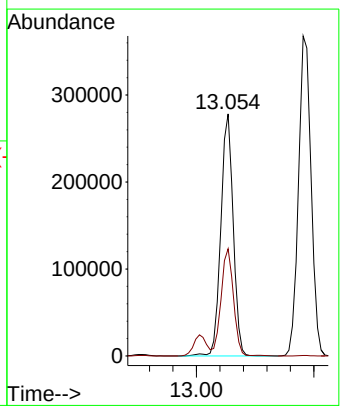


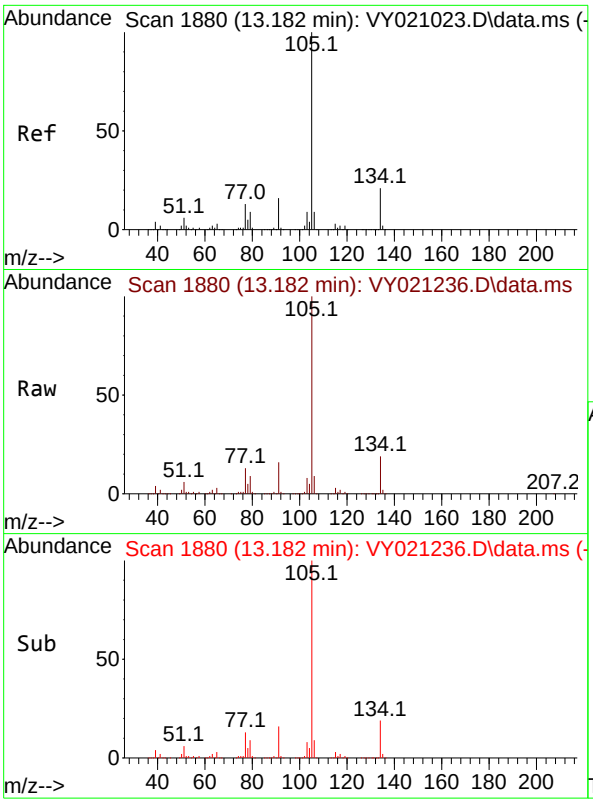




#84
1,2,4-Trimethylbenzene
Concen: 51.664 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 405711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.3 |

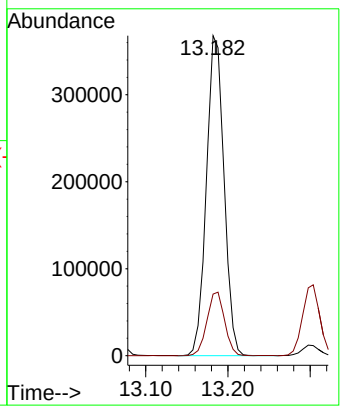





#85
sec-Butylbenzene
Concen: 52.143 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 54794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 9.7 | 28.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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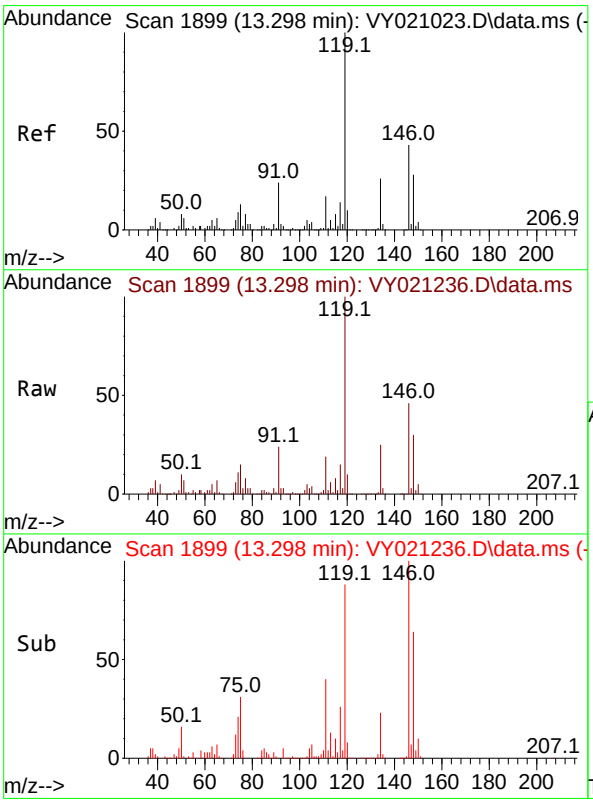
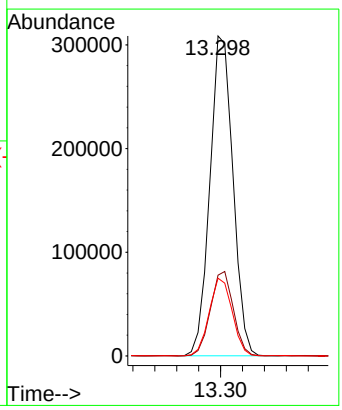
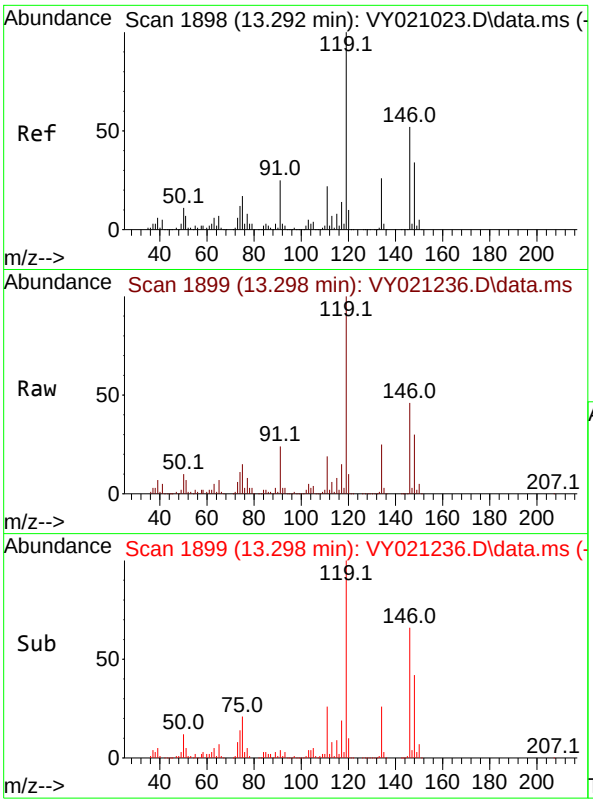



#86
p-Isopropyltoluene
Concen: 51.734 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:119 Resp: 451592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 13.1 | 39.1 |
| 91 | 24.1 | 11.7 | 35.0 |

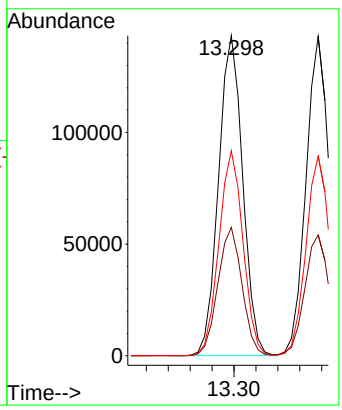





#87
1,3-Dichlorobenzene
Concen: 49.887 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:146 Resp: 22019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 20.2 | 60.5 |
| 148 | 63.7 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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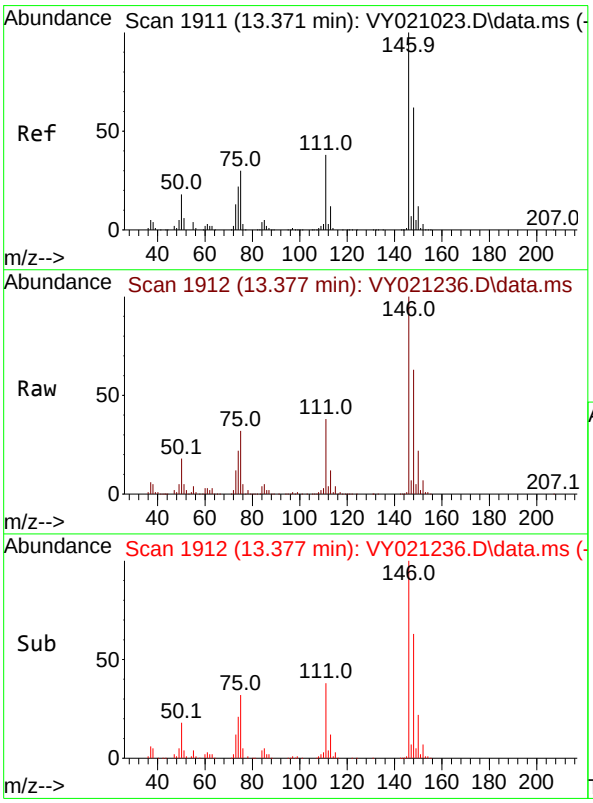
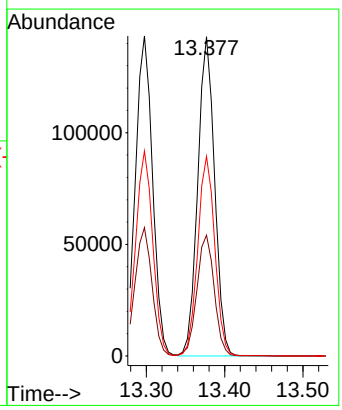
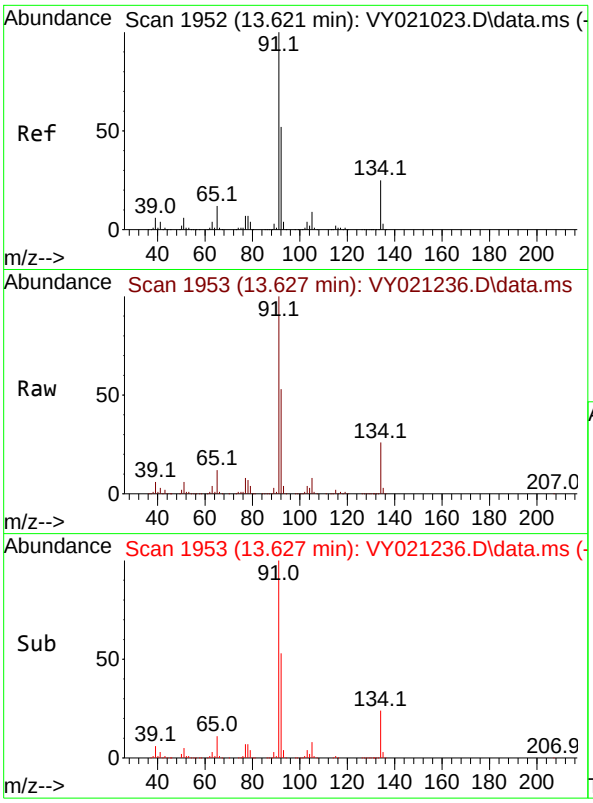



#88
1,4-Dichlorobenzene
Concen: 49.263 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:146 Resp: 214096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.8 | 19.3 | 57.9 |
| 148 | 63.3 | 31.6 | 94.7 |

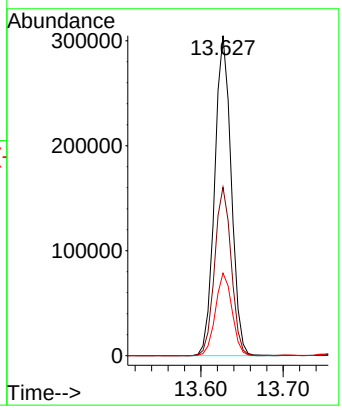





#89
n-Butylbenzene
Concen: 53.602 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 42685

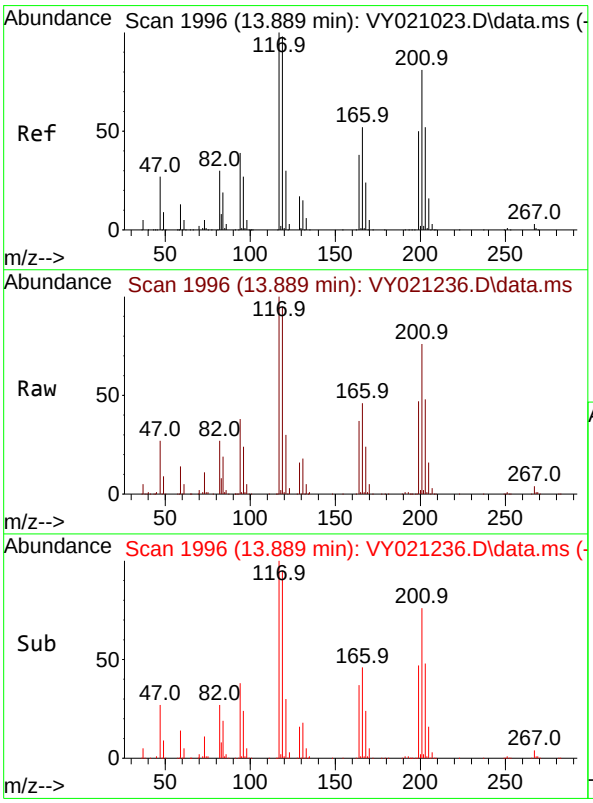
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 26.4 | 79.2 |
| 134 | 25.7 | 12.3 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

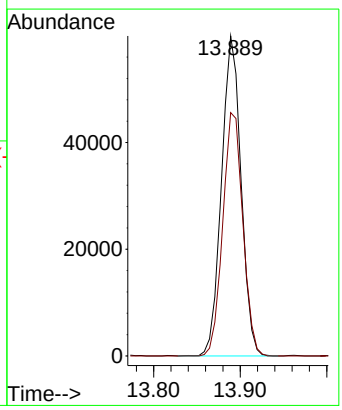
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

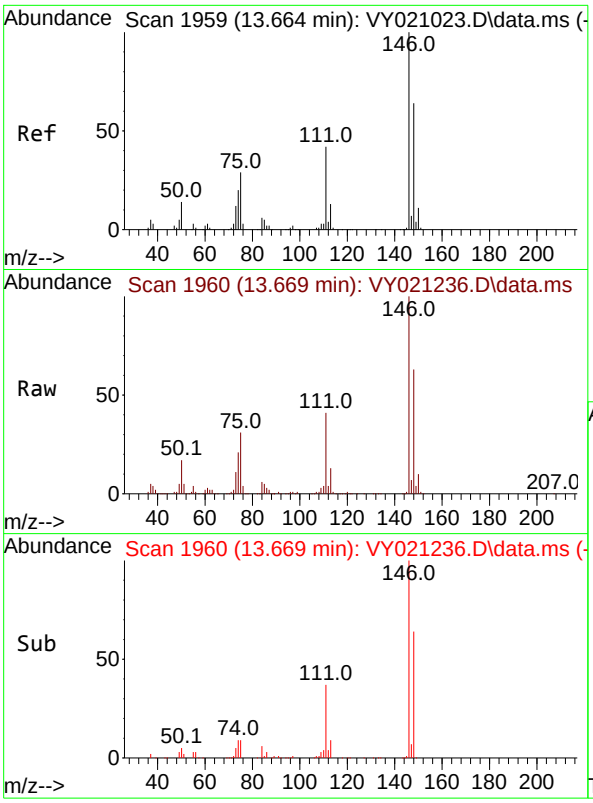



#90
Hexachloroethane
Concen: 51.535 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:117 Resp: 93847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.2 | 33.4 | 100.1 |

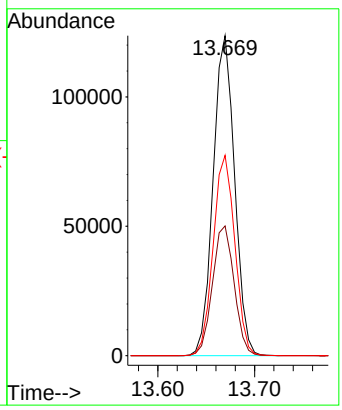





#91
1,2-Dichlorobenzene
Concen: 49.731 ug/l
RT: 13.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:146 Resp: 19052

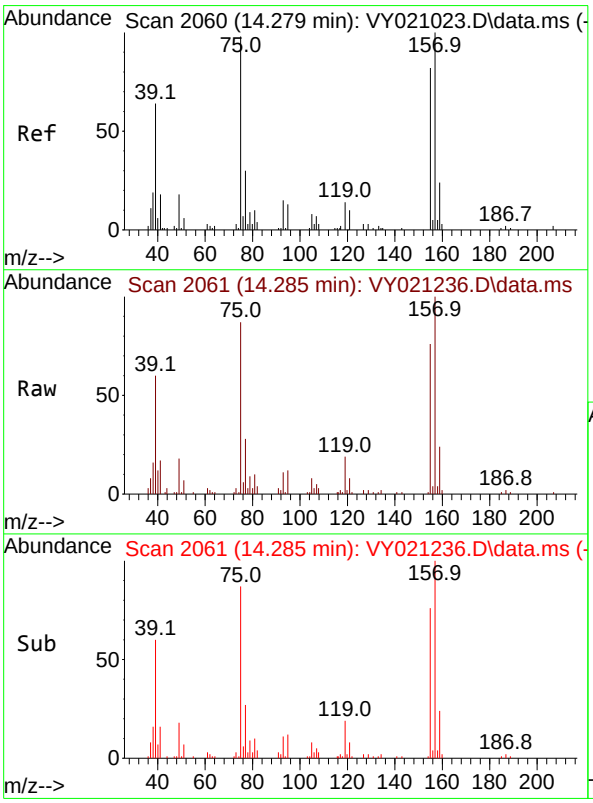
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 20.5 | 61.6 |
| 148 | 63.2 | 31.4 | 94.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

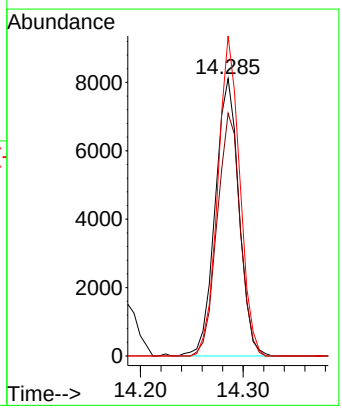
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

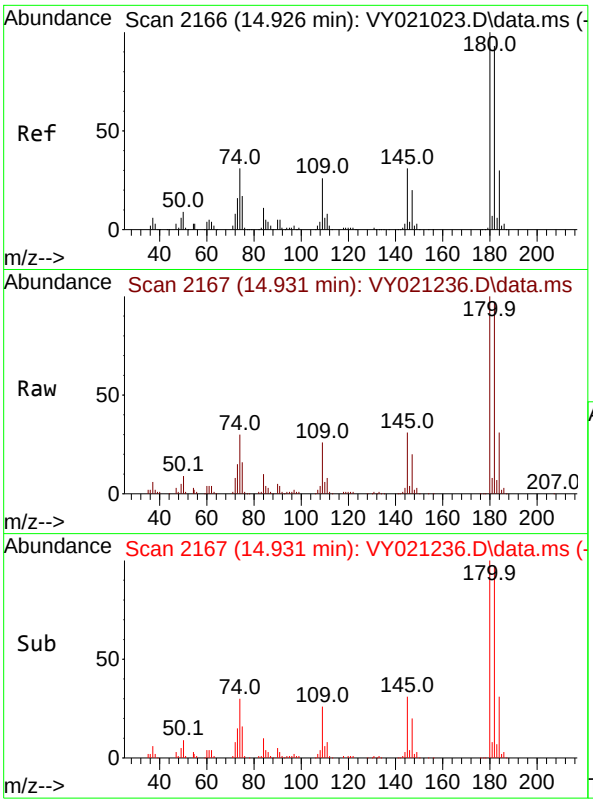



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.711 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 12977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.9 | 42.1 | 126.3 |
| 157 | 106.7 | 55.8 | 167.4 |

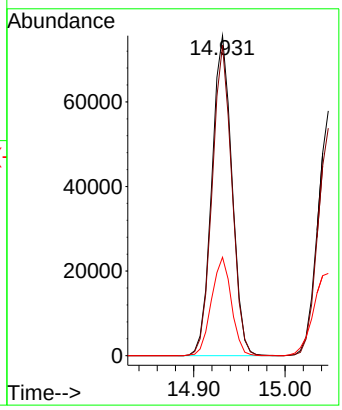





#93
1,2,4-Trichlorobenzene
Concen: 54.103 ug/l
RT: 14.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:180 Resp: 11537

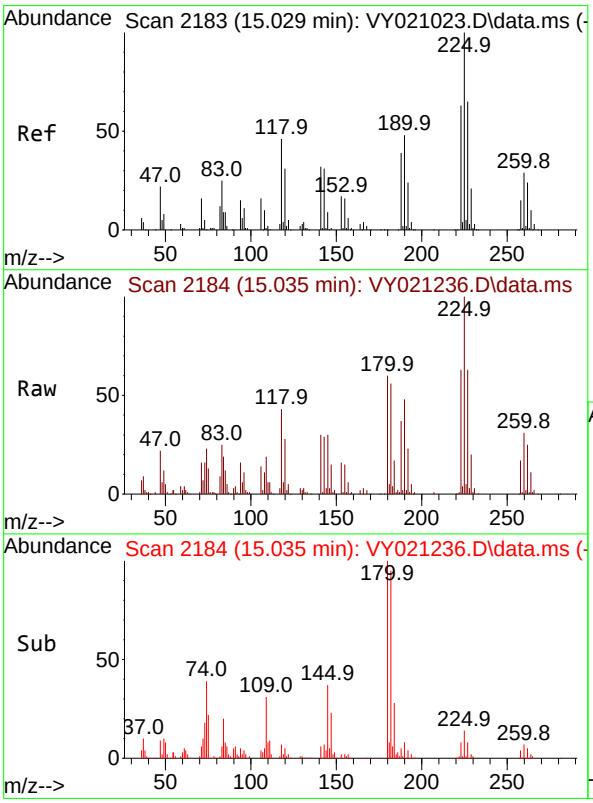
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 47.9 | 143.7 |
| 145 | 30.4 | 15.9 | 47.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

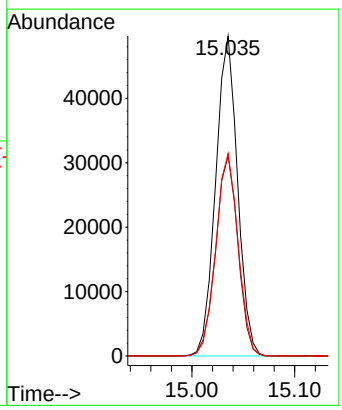
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

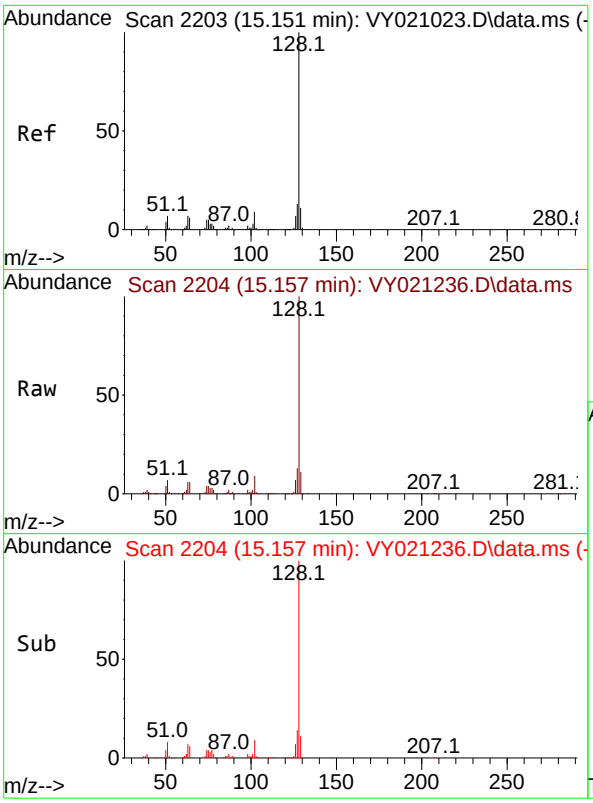



#94
Hexachlorobutadiene
Concen: 51.945 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:225 Resp: 73405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 31.4 | 94.3 |
| 227 | 64.6 | 32.3 | 96.8 |

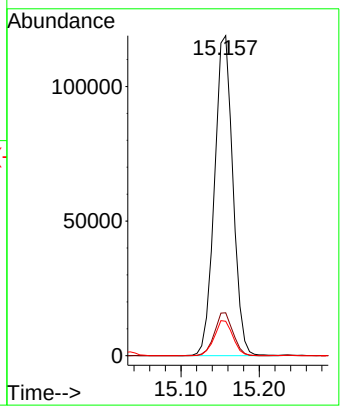





#95
Naphthalene
Concen: 56.964 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:128 Resp: 19434

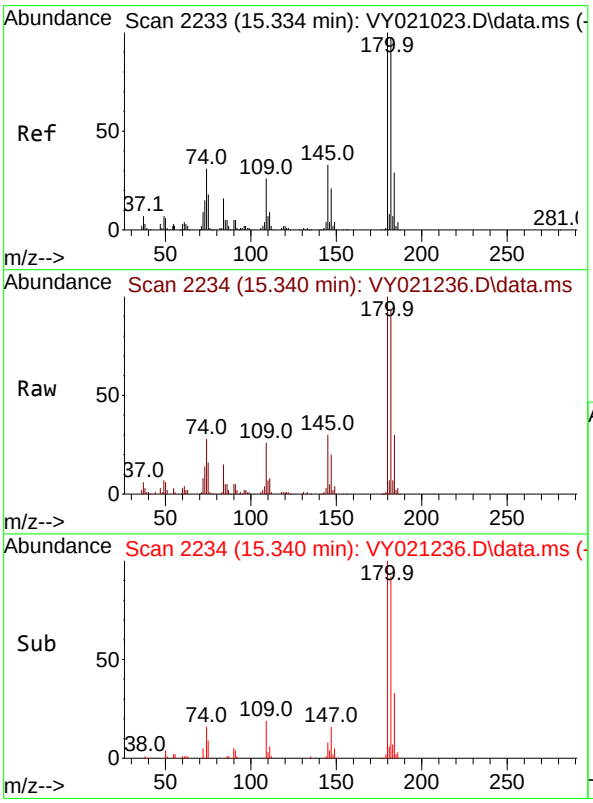
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.5 | 10.2 | 15.4 |
| 129 | 11.0 | 8.6 | 12.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

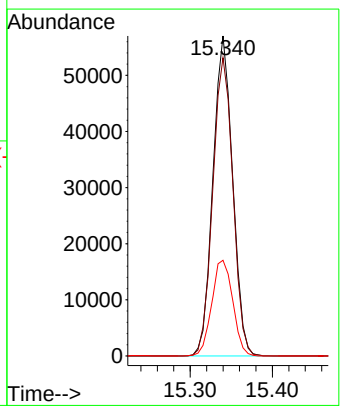
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025




#96
1,2,3-Trichlorobenzene
Concen: 53.438 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:180 Resp: 94833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.3 | 138.8 |
| 145 | 31.9 | 16.1 | 48.2 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 108 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.446 | 0.387 | 13.2 | 94 | 0.00 |
| 3 | P | Chloromethane | 0.440 | 0.431 | 2.0 | 111 | 0.00 |
| 4 | C | Vinyl Chloride | 0.443 | 0.466 | -5.2# | 119 | 0.00 |
| 5 | T | Bromomethane | 0.274 | 0.268 | 2.2 | 113 | 0.00 |
| 6 | T | Chloroethane | 0.263 | 0.286 | -8.7 | 122 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.806 | 0.806 | 0.0 | 111 | 0.00 |
| 8 | T | Diethyl Ether | 0.252 | 0.260 | -3.2 | 116 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.506 | 0.489 | 3.4 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 0.562 | 0.551 | 2.0 | 102 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.035 | 0.031 | 11.4 | 107 | 0.03 |
| 12 | CM | 1,1-Dichloroethene | 0.477 | 0.455 | 4.6# | 105 | 0.00 |
| 13 | T | Acrolein | 0.053 | 0.039 | 26.4# | 80 | 0.00 |
| 14 | T | Allyl chloride | 0.803 | 0.818 | -1.9 | 111 | 0.00 |
| 15 | T | Acrylonitrile | 0.105 | 0.107 | -1.9 | 109 | 0.02 |
| 16 | T | Acetone | 0.080 | 0.083 | -3.8 | 116 | 0.01 |
| 17 | T | Carbon Disulfide | 1.495 | 1.273 | 14.8 | 93 | 0.00 |
| 18 | T | Methyl Acetate | 0.280 | 0.304 | -8.6 | 114 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.205 | 1.247 | -3.5 | 111 | 0.02 |
| 20 | T | Methylene Chloride | 0.497 | 0.494 | 0.6 | 110 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.525 | 0.503 | 4.2 | 104 | 0.00 |
| 22 | T | Diisopropyl ether | 1.656 | 1.741 | -5.1 | 113 | 0.00 |
| 23 | T | Vinyl Acetate | 0.923 | 0.957 | -3.7 | 109 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.970 | 0.977 | -0.7 | 112 | 0.00 |
| 25 | T | 2-Butanone | 0.131 | 0.135 | -3.1 | 108 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.898 | 0.891 | 0.8 | 111 | 0.01 |
| 27 | T | cis-1,2-Dichloroethene | 0.604 | 0.603 | 0.2 | 109 | 0.00 |
| 28 | T | Bromochloromethane | 0.384 | 0.391 | -1.8 | 103 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.089 | 0.090 | -1.1 | 106 | 0.02 |
| 30 | C | Chloroform | 0.997 | 1.001 | -0.4# | 110 | 0.00 |
| 31 | T | Cyclohexane | 0.874 | 0.813 | 7.0 | 107 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.927 | 0.926 | 0.1 | 110 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.512 | 0.470 | 8.2 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.320 | 0.299 | 6.6 | 104 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.475 | 0.457 | 3.8 | 107 | 0.00 |
| 37 | T | Ethyl Acetate | 0.208 | 0.212 | -1.9 | 110 | 0.01 |
| 38 | T | Carbon Tetrachloride | 0.555 | 0.538 | 3.1 | 107 | 0.00 |
| 39 | T | Methylcyclohexane | 0.581 | 0.580 | 0.2 | 107 | 0.00 |
| 40 | TM | Benzene | 1.393 | 1.364 | 2.1 | 108 | 0.00 |
| 41 | T | Methacrylonitrile | 0.120 | 0.123 | -2.5 | 120 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.386 | 0.384 | 0.5 | 110 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.414 | 0.434 | -4.8 | 112 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.351 | 2.5 | 109 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.331 | 0.339 | -2.4# | 113 | 0.00 |
| 46 | T | Dibromomethane | 0.183 | 0.180 | 1.6 | 108 | 0.00 |
| 47 | T | Bromodichloromethane | 0.491 | 0.497 | -1.2 | 112 | 0.00 |
| 48 | T | Methyl methacrylate | 0.188 | 0.205 | -9.0 | 116 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 0.002 | 0.002 | 0.0 | 110 | 0.02 |
| 50 | S | Toluene-d8 | 1.220 | 1.094 | 10.3 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.208 | 0.218 | -4.8 | 110 | 0.00 |
| 52 | CM | Toluene | 0.875 | 0.869 | 0.7# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.441 | 0.461 | -4.5 | 112 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.522 | 0.538 | -3.1 | 112 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.237 | 0.237 | 0.0 | 109 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.317 | 0.342 | -7.9 | 110 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.410 | 0.425 | -3.7 | 112 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.151 | 0.187 | -23.8 | 130 | 0.00 |
| 59 | T | 2-Hexanone | 0.134 | 0.144 | -7.5 | 109 | 0.00 |
| 60 | T | Dibromochloromethane | 0.333 | 0.339 | -1.8 | 112 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.222 | 0.218 | 1.8 | 105 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.399 | 0.376 | 5.8 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 0.371 | 0.356 | 4.0 | 105 | 0.00 |
| 65 | PM | Chlorobenzene | 1.113 | 1.109 | 0.4 | 109 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.396 | 0.396 | 0.0 | 110 | 0.00 |
| 67 | C | Ethyl Benzene | 1.969 | 1.992 | -1.2# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 0.737 | 0.734 | 0.4 | 107 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.708 | -3.1 | 111 | 0.00 |
| 70 | T | Styrene | 1.145 | 1.182 | -3.2 | 109 | 0.00 |
| 71 | P | Bromoform | 0.220 | 0.219 | 0.5 | 108 | 0.01 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 3.906 | 4.141 | -6.0 | 114 | 0.00 |
| 74 | T | N-amyl acetate | 0.854 | 0.930 | -8.9 | 110 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.650 | 0.643 | 1.1 | 107 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.454 | 0.435 | 4.2 | 99 | 0.00 |
| 77 | T | Bromobenzene | 0.901 | 0.886 | 1.7 | 107 | 0.00 |
| 78 | T | n-propylbenzene | 4.653 | 4.776 | -2.6 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.665 | 2.695 | -1.1 | 109 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.167 | 3.206 | -1.2 | 108 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.222 | 0.944 | -325.2# | 444# | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.715 | 2.949 | -8.6 | 118 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.878 | 2.926 | -1.7 | 107 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.096 | 3.199 | -3.3 | 110 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.143 | 4.321 | -4.3 | 112 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.442 | 3.561 | -3.5 | 109 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.740 | 1.736 | 0.2 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.714 | 1.688 | 1.5 | 106 | 0.00 |
| 89 | T | n-Butylbenzene | 3.140 | 3.366 | -7.2 | 112 | 0.00 |
| 90 | T | Hexachloroethane | 0.718 | 0.740 | -3.1 | 111 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.510 | 1.502 | 0.5 | 108 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.097 | 0.102 | -5.2 | 111 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.841 | 0.910 | -8.2 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.557 | 0.579 | -3.9 | 109 | 0.00 |
| 95 | T | Naphthalene | 1.345 | 1.532 | -13.9 | 108 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 0.700 | 0.748 | -6.9 | 107 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 108 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.405 | 13.2 | 94 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 49.049 | 1.9 | 111 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 52.685 | -5.4# | 119 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.974 | 2.1 | 113 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 54.253 | -8.5 | 122 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.946 | 0.1 | 111 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.545 | -3.1 | 116 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.319 | 3.4 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.042 | 1.9 | 102 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 226.709 | 9.3 | 107 | 0.03 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.682 | 4.6# | 105 | 0.00 |
| 13 | T | Acrolein | 250.000 | 180.571 | 27.8# | 80 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.917 | -1.8 | 111 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 254.538 | -1.8 | 109 | 0.02 |
| 16 | T | Acetone | 250.000 | 259.354 | -3.7 | 116 | 0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 42.570 | 14.9 | 93 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 54.139 | -8.3 | 114 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.750 | -3.5 | 111 | 0.02 |
| 20 | T | Methylene Chloride | 50.000 | 49.688 | 0.6 | 110 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.939 | 4.1 | 104 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.568 | -5.1 | 113 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 259.121 | -3.6 | 109 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.349 | -0.7 | 112 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 257.014 | -2.8 | 108 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.635 | 0.7 | 111 | 0.01 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.906 | 0.2 | 109 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.015 | -2.0 | 103 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 253.611 | -1.4 | 106 | 0.02 |
| 30 | C | Chloroform | 50.000 | 50.208 | -0.4# | 110 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.529 | 6.9 | 107 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.948 | 0.1 | 110 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.832 | 8.3 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 46.730 | 6.5 | 104 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.164 | 3.7 | 107 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.024 | -2.0 | 110 | 0.01 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.505 | 3.0 | 107 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.986 | 0.0 | 107 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.970 | 2.1 | 108 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.853 | -1.7 | 120 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.711 | 0.6 | 110 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 52.494 | -5.0 | 112 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.712 | 2.6 | 109 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.328 | -2.7# | 113 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 49.095 | 1.8 | 108 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.636 | -1.3 | 112 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.376 | -8.8 | 116 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 1039.289 | -3.9 | 110 | 0.02 |
| 50 | S | Toluene-d8 | 50.000 | 44.845 | 10.3 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 261.432 | -4.6 | 110 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.688 | 0.6# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.336 | -4.7 | 112 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.553 | -3.1 | 112 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 49.892 | 0.2 | 109 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.867 | -7.7 | 110 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.769 | -3.5 | 112 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 309.543 | -23.8 | 130 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 268.437 | -7.4 | 109 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.976 | -2.0 | 112 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.079 | 1.8 | 105 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.196 | 5.6 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.954 | 4.1 | 105 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.788 | 0.4 | 109 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.076 | -0.2 | 110 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.579 | -1.2# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.601 | 0.4 | 107 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.555 | -3.1 | 111 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.620 | -3.2 | 109 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.825 | 0.3 | 108 | 0.01 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.006 | -6.0 | 114 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.480 | -9.0 | 110 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.512 | 1.0 | 107 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.921 | 4.2 | 99 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.154 | 1.7 | 107 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.330 | -2.7 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.565 | -1.1 | 109 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.629 | -1.3 | 108 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 212.252 | -324.5# | 444 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 54.307 | -8.6 | 118 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.825 | -1.7 | 107 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.664 | -3.3 | 110 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.143 | -4.3 | 112 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.734 | -3.5 | 109 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.887 | 0.2 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.263 | 1.5 | 106 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 53.602 | -7.2 | 112 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.535 | -3.1 | 111 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.731 | 0.5 | 108 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 52.711 | -5.4 | 111 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.103 | -8.2 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.945 | -3.9 | 109 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 56.964 | -13.9 | 108 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 53.438 | -6.9 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/19/2025 18:32

Lab File ID: VY021245.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.446 | 0.412 | | -7.62 | 50 |
| Chloromethane | 0.440 | 0.469 | 0.1 | 6.59 | 50 |
| Vinyl Chloride | 0.443 | 0.496 | | 11.96 | 50 |
| Bromomethane | 0.274 | 0.311 | | 13.5 | 50 |
| Chloroethane | 0.263 | 0.322 | | 22.43 | 50 |
| Tetrahydrofuran | 0.089 | 0.109 | | 22.47 | 50 |
| Trichlorofluoromethane | 0.806 | 0.844 | | 4.72 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.506 | 0.518 | | 2.37 | 50 |
| 1,1-Dichloroethene | 0.477 | 0.484 | | 1.47 | 50 |
| Acrylonitrile | 0.105 | 0.127 | | 20.95 | 50 |
| Acetone | 0.080 | 0.095 | | 18.75 | 50 |
| Carbon Disulfide | 1.495 | 1.357 | | -9.23 | 50 |
| Methyl tert-butyl Ether | 1.205 | 1.416 | | 17.51 | 50 |
| Methylene Chloride | 0.497 | 0.568 | | 14.29 | 50 |
| trans-1,2-Dichloroethene | 0.525 | 0.540 | | 2.86 | 50 |
| 1,1-Dichloroethane | 0.970 | 1.082 | 0.1 | 11.55 | 50 |
| 2-Butanone | 0.131 | 0.161 | | 22.9 | 50 |
| Carbon Tetrachloride | 0.555 | 0.556 | | 0.18 | 50 |
| 2,2-Dichloropropane | 0.898 | 0.928 | | 3.34 | 50 |
| cis-1,2-Dichloroethene | 0.604 | 0.666 | | 10.27 | 50 |
| Chloroform | 0.997 | 1.114 | | 11.73 | 50 |
| 1,1,1-Trichloroethane | 0.927 | 0.983 | | 6.04 | 50 |
| 1,1-Dichloropropene | 0.475 | 0.475 | | 0 | 50 |
| Benzene | 1.393 | 1.472 | | 5.67 | 50 |
| 1,2-Dichloroethane | 0.386 | 0.422 | | 9.33 | 50 |
| Trichloroethene | 0.360 | 0.362 | | 0.56 | 50 |
| 1,2-Dichloropropane | 0.331 | 0.367 | | 10.88 | 50 |
| Dibromomethane | 0.183 | 0.198 | | 8.2 | 50 |
| Bromodichloromethane | 0.491 | 0.541 | | 10.18 | 50 |
| 4-Methyl-2-Pentanone | 0.208 | 0.254 | | 22.11 | 50 |
| Toluene | 0.875 | 0.924 | | 5.6 | 50 |
| t-1,3-Dichloropropene | 0.441 | 0.497 | | 12.7 | 50 |
| cis-1,3-Dichloropropene | 0.522 | 0.577 | | 10.54 | 50 |
| 1,1,2-Trichloroethane | 0.237 | 0.265 | | 11.81 | 50 |
| 1,3-Dichloropropane | 0.410 | 0.461 | | 12.44 | 50 |
| 2-Hexanone | 0.134 | 0.169 | | 26.12 | 50 |
| Dibromochloromethane | 0.333 | 0.364 | | 9.31 | 50 |
| 1,2-Dibromoethane | 0.222 | 0.244 | | 9.91 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/19/2025 18:32

Lab File ID: VY021245.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Tetrachloroethene | 0.371 | 0.361 | | -2.69 | 50 |
| Chlorobenzene | 1.113 | 1.160 | 0.3 | 4.22 | 50 |
| 1,1,1,2-Tetrachloroethane | 0.396 | 0.422 | | 6.57 | 50 |
| Ethyl Benzene | 1.969 | 2.074 | | 5.33 | 50 |
| m/p-Xylenes | 0.737 | 0.768 | | 4.21 | 50 |
| o-Xylene | 0.687 | 0.734 | | 6.84 | 50 |
| Styrene | 1.145 | 1.245 | | 8.73 | 50 |
| Bromoform | 0.220 | 0.242 | 0.1 | 10 | 50 |
| Isopropylbenzene | 3.906 | 3.853 | | -1.36 | 50 |
| 1,1,2,2-Tetrachloroethane | 0.650 | 0.684 | 0.3 | 5.23 | 50 |
| 1,2,3-Trichloropropane | 0.454 | 0.484 | | 6.61 | 50 |
| Bromobenzene | 0.901 | 0.886 | | -1.66 | 50 |
| n-propylbenzene | 4.653 | 4.641 | | -0.26 | 50 |
| 2-Chlorotoluene | 2.665 | 2.666 | | 0.04 | 50 |
| 1,3,5-Trimethylbenzene | 3.167 | 3.146 | | -0.66 | 50 |
| 4-Chlorotoluene | 2.715 | 2.723 | | 0.29 | 50 |
| tert-Butylbenzene | 2.878 | 2.897 | | 0.66 | 50 |
| 1,2,4-Trimethylbenzene | 3.096 | 3.140 | | 1.42 | 50 |
| sec-Butylbenzene | 4.143 | 4.119 | | -0.58 | 50 |
| p-Isopropyltoluene | 3.442 | 3.403 | | -1.13 | 50 |
| 1,3-Dichlorobenzene | 1.740 | 1.731 | | -0.52 | 50 |
| 1,4-Dichlorobenzene | 1.714 | 1.677 | | -2.16 | 50 |
| n-Butylbenzene | 3.140 | 3.167 | | 0.86 | 50 |
| 1,2-Dichlorobenzene | 1.510 | 1.520 | | 0.66 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.097 | 0.100 | | 3.09 | 50 |
| 1,2,4-Trichlorobenzene | 0.841 | 0.889 | | 5.71 | 50 |
| Hexachlorobutadiene | 0.557 | 0.550 | | -1.26 | 50 |
| 1,2,3-Trichlorobenzene | 0.700 | 0.754 | | 7.71 | 50 |
| 1,2-Dichloroethane-d4 | 0.512 | 0.533 | | 4.1 | 50 |
| Dibromofluoromethane | 0.320 | 0.323 | | 0.94 | 50 |
| Toluene-d8 | 1.220 | 1.195 | | -2.05 | 50 |
| 4-Bromofluorobenzene | 0.399 | 0.423 | | 6.01 | 50 |
| trans-1,4-Dichloro-2-butene | 0.222 | 0.235 | | 5.86 | 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_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 165417 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 263329 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 229757 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 116229 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 88101 | 51.982 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 103.960% | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 84971 | 50.351 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 100.700% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 314603 | 48.967 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 97.940% | | | |
| 62) 4-Bromofluorobenzene | 12.407 | 95 | 111317 | 53.035 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 106.060% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 68125 | 46.207 | ug/l | 94 |
| 3) Chloromethane | 2.074 | 50 | 77616 | 53.350 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 81998 | 55.997 | ug/l | 98 |
| 5) Bromomethane | 2.604 | 94 | 51477 | 56.877 | ug/l | 95 |
| 6) Chloroethane | 2.745 | 64 | 53243 | 61.081 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 139644 | 52.345 | ug/l | 100 |
| 8) Diethyl Ether | 3.464 | 74 | 46675 | 56.045 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 85745 | 51.211 | ug/l | 96 |
| 10) Methyl Iodide | 4.013 | 142 | 96299 | 51.770 | ug/l | 93 |
| 11) Tert butyl alcohol | 4.878 | 59 | 30610 | 266.519 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 80071 | 50.767 | ug/l | 89 |
| 13) Acrolein | 3.659 | 56 | 34023 | 192.376 | ug/l | 98 |
| 14) Allyl chloride | 4.397 | 41 | 147780 | 55.595 | ug/l | 95 |
| 15) Acrylonitrile | 5.067 | 53 | 105365 | 303.821 | ug/l | 99 |
| 16) Acetone | 3.878 | 43 | 78384 | 296.567 | ug/l | 96 |
| 17) Carbon Disulfide | 4.116 | 76 | 224522 | 45.397 | ug/l | 98 |
| 18) Methyl Acetate | 4.397 | 43 | 61425 | 66.203 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.122 | 73 | 234150 | 58.736 | ug/l | 98 |
| 20) Methylene Chloride | 4.628 | 84 | 93932 | 57.169 | ug/l | 88 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 89402 | 51.495 | ug/l | 91 |
| 22) Diisopropyl ether | 6.024 | 45 | 328775 | 60.006 | ug/l | 97 |
| 23) Vinyl Acetate | 5.970 | 43 | 911621 | 298.467 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 178918 | 55.736 | ug/l | 97 |
| 25) 2-Butanone | 6.902 | 43 | 133426 | 307.203 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 6.896 | 77 | 153504 | 51.680 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 110153 | 55.122 | ug/l | 94 |
| 28) Bromochloromethane | 7.256 | 49 | 72467 | 57.089 | ug/l | 96 |
| 29) Tetrahydrofuran | 7.268 | 42 | 90360 | 307.460 | ug/l | 95 |
| 30) Chloroform | 7.427 | 83 | 184343 | 55.908 | ug/l | 99 |
| 31) Cyclohexane | 7.713 | 56 | 140823 | 48.715 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 162598 | 53.040 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 125097 | 50.046 | ug/l | 99 |
| 37) Ethyl Acetate | 6.994 | 43 | 64705 | 59.007 | ug/l | 97 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 146445 | 50.141 | ug/l | 98 |
| 39) Methylcyclohexane | 9.115 | 83 | 151836 | 49.660 | ug/l | 98 |
| 40) Benzene | 8.085 | 78 | 387558 | 52.834 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.225 | 41 | 38035 | 59.955 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 111164 | 54.630 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.201 | 43 | 128687 | 59.061 | ug/l | | 96 |
| 44) Trichloroethene | 8.871 | 130 | 95421 | 50.349 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 96514 | 55.433 | ug/l | | 97 |
| 46) Dibromomethane | 9.237 | 93 | 52073 | 54.018 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.426 | 83 | 142381 | 55.072 | ug/l | | 96 |
| 48) Methyl methacrylate | 9.225 | 41 | 60459 | 60.916 | ug/l | | 94 |
| 49) 1,4-Dioxane | 9.237 | 88 | 10699 | 1192.209 | ug/l | | 91 |
| 51) 4-Methyl-2-Pentanone | 10.005 | 43 | 334517 | 305.302 | ug/l | | 97 |
| 52) Toluene | 10.176 | 92 | 243403 | 52.845 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 130776 | 56.333 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 152060 | 55.321 | ug/l | # | 92 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 69894 | 55.990 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.444 | 69 | 100897 | 60.418 | ug/l | | 88 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 121459 | 56.213 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 232635 | 292.814 | ug/l | | 99 |
| 59) 2-Hexanone | 10.767 | 43 | 222547 | 315.458 | ug/l | | 95 |
| 60) Dibromochloromethane | 10.914 | 129 | 95808 | 54.651 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.017 | 107 | 64150 | 54.863 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.652 | 164 | 82866 | 48.585 | ug/l | | 97 |
| 65) Chlorobenzene | 11.444 | 112 | 266534 | 52.099 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.523 | 131 | 97033 | 53.372 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.523 | 91 | 476554 | 52.665 | ug/l | | 98 |
| 68) m/p-Xylenes | 11.633 | 106 | 352761 | 104.209 | ug/l | | 96 |
| 69) o-Xylene | 11.956 | 106 | 168625 | 53.429 | ug/l | | 97 |
| 70) Styrene | 11.975 | 104 | 285969 | 54.365 | ug/l | | 98 |
| 71) Bromoform | 12.139 | 173 | 55594 | 54.936 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.261 | 105 | 447834 | 49.326 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 114723 | 57.796 | ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 79491 | 52.644 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 56205m | 53.308 | ug/l | | |
| 77) Bromobenzene | 12.535 | 156 | 103017 | 49.169 | ug/l | | 97 |
| 78) n-propylbenzene | 12.603 | 91 | 539445 | 49.878 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 309867 | 50.023 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 365700 | 49.680 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 27332 | 52.896 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 316493 | 50.148 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 336692 | 50.321 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 364939 | 50.704 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 478716 | 49.704 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 395546 | 49.440 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 201146 | 49.722 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 194880 | 48.925 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 368108 | 50.435 | ug/l | | 99 |
| 90) Hexachloroethane | 13.883 | 117 | 83620 | 50.100 | ug/l | | 87 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 176618 | 50.301 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 11631 | 51.546 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 103377 | 52.893 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 63868 | 49.312 | ug/l | | 98 |
| 95) Naphthalene | 15.151 | 128 | 180305 | 57.663 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 87654 | 53.891 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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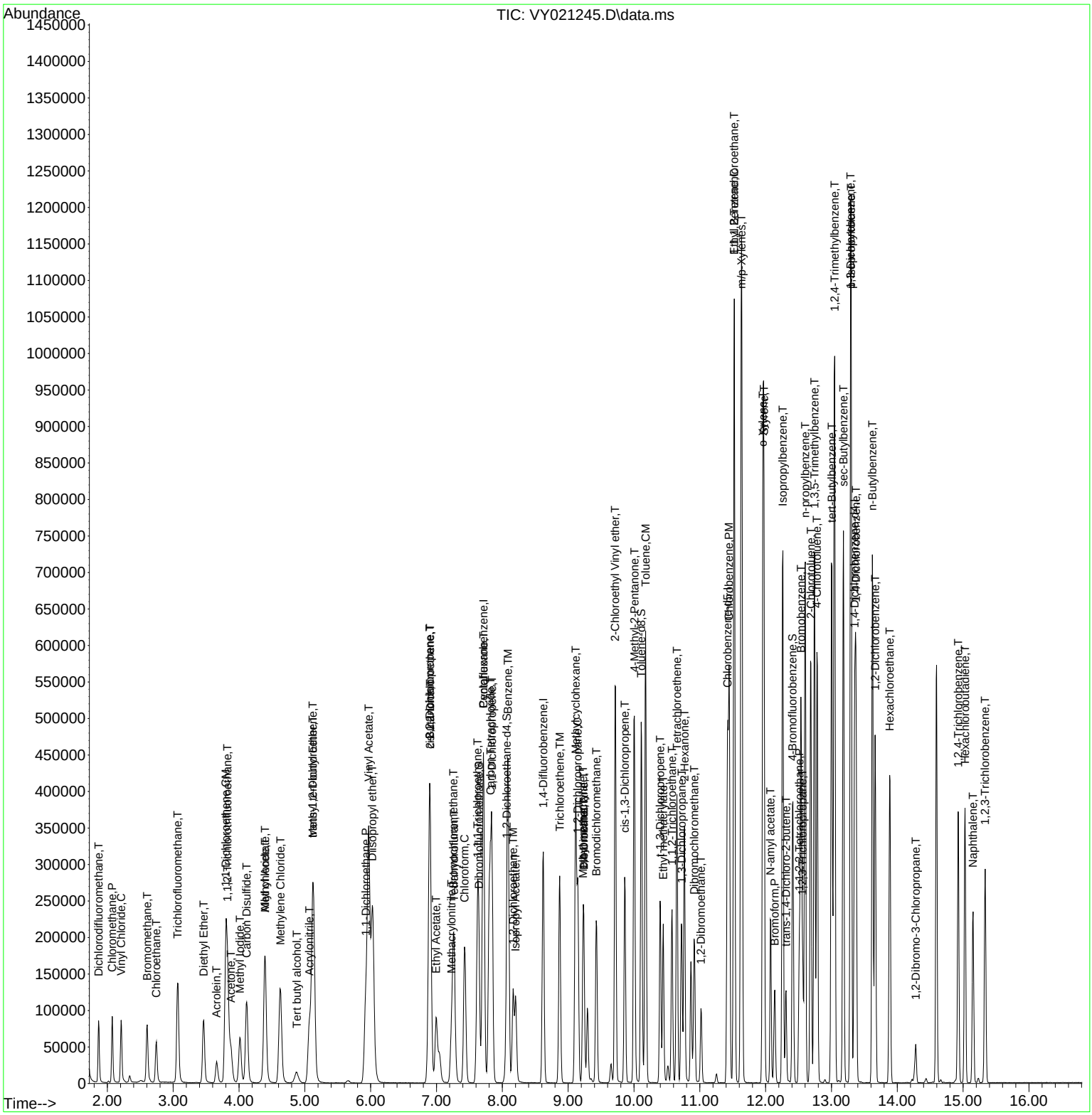
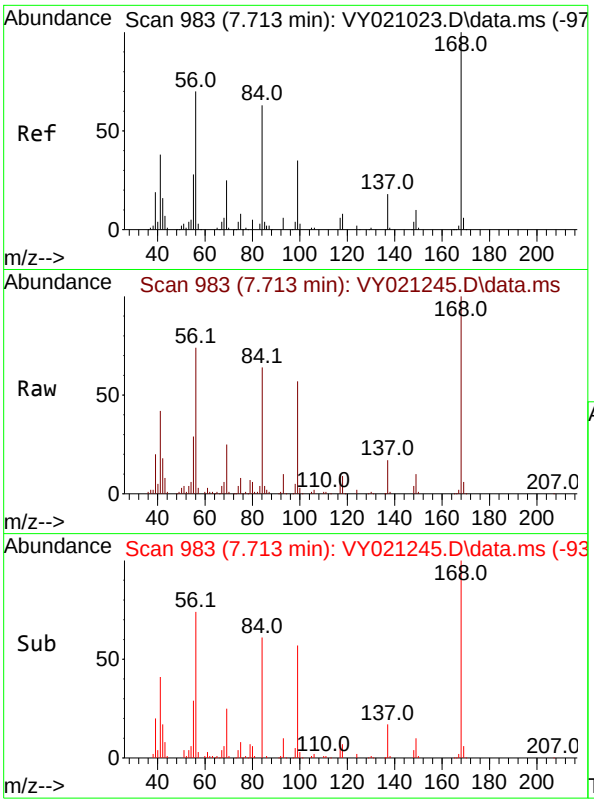
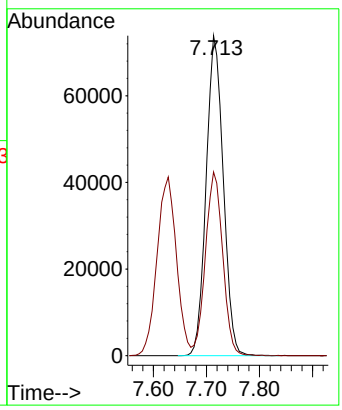





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:168 Resp: 16541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.3 | 44.2 | 66.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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02/20/2025

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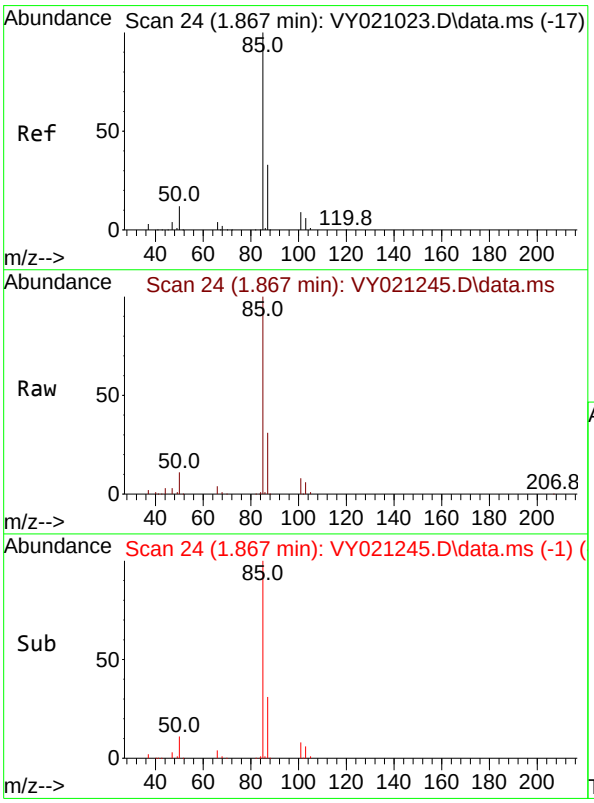
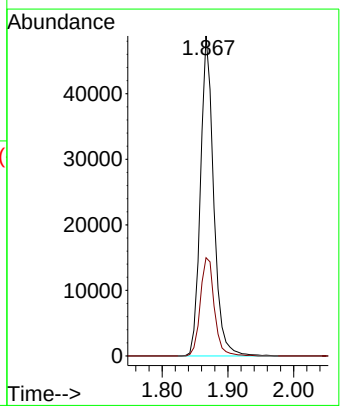
02/20/2025

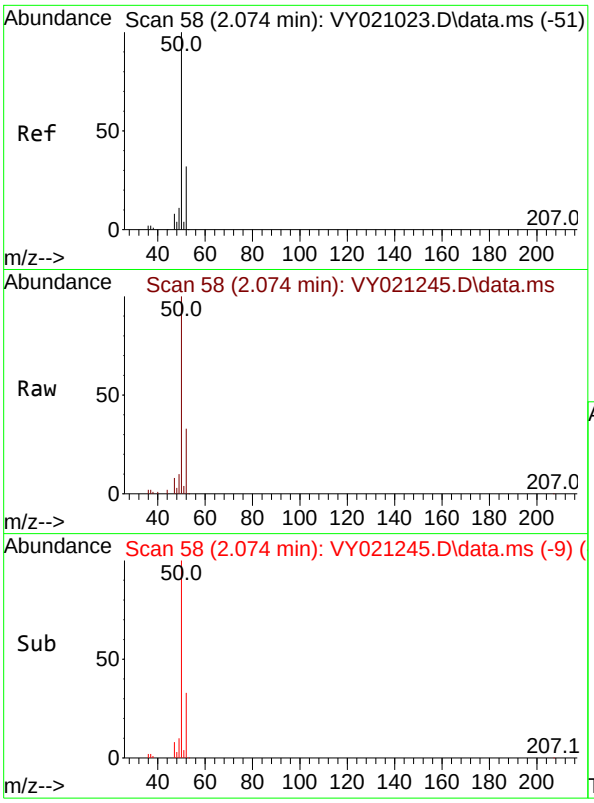



#2
Dichlorodifluoromethane
Concen: 46.207 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 85 Resp: 68125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.7 | 17.1 | 51.3 |

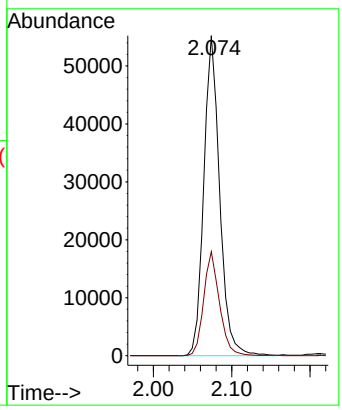





#3
Chloromethane
Concen: 53.350 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 50 Resp: 7761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 26.7 | 40.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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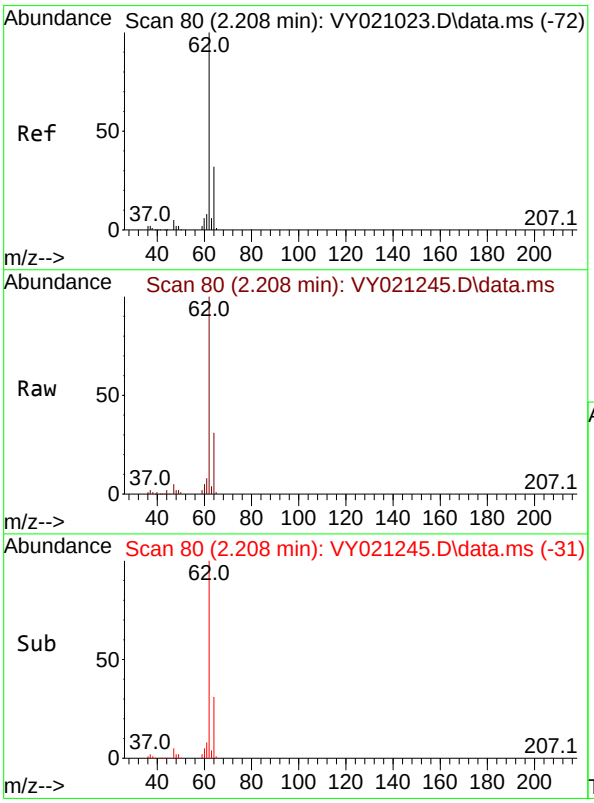
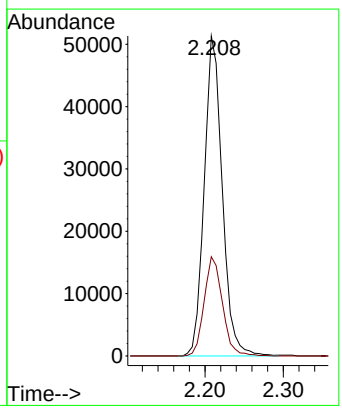
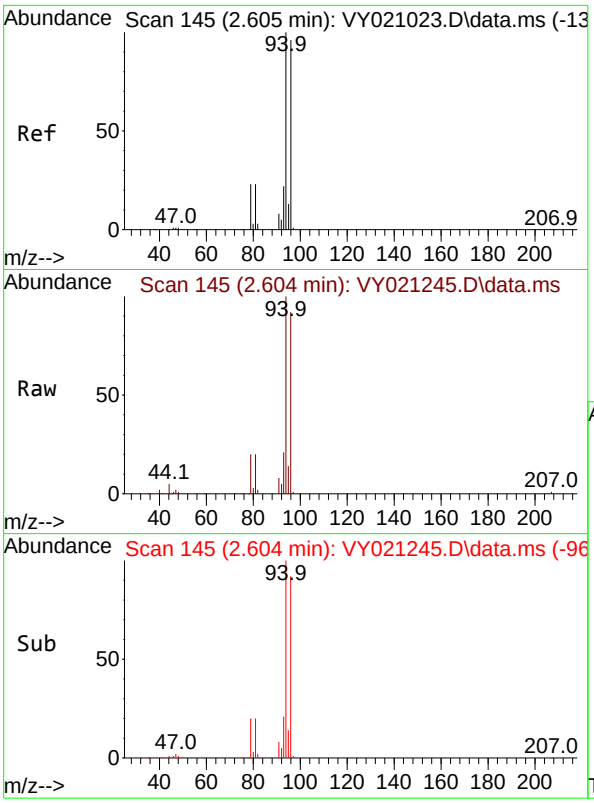



#4
Vinyl Chloride
Concen: 55.997 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 62 Resp: 81998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.0 | 25.7 | 38.5 |

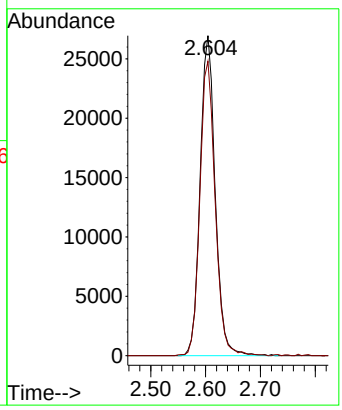





#5
Bromomethane
Concen: 56.877 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 94 Resp: 5147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.7 | 77.3 | 115.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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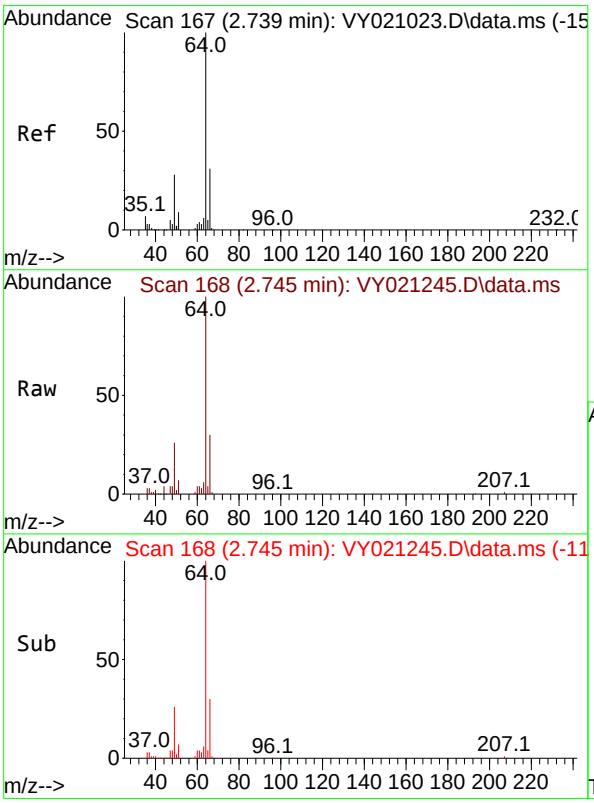
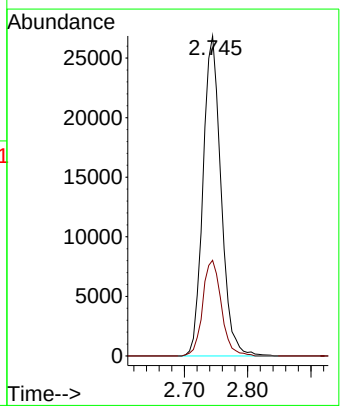
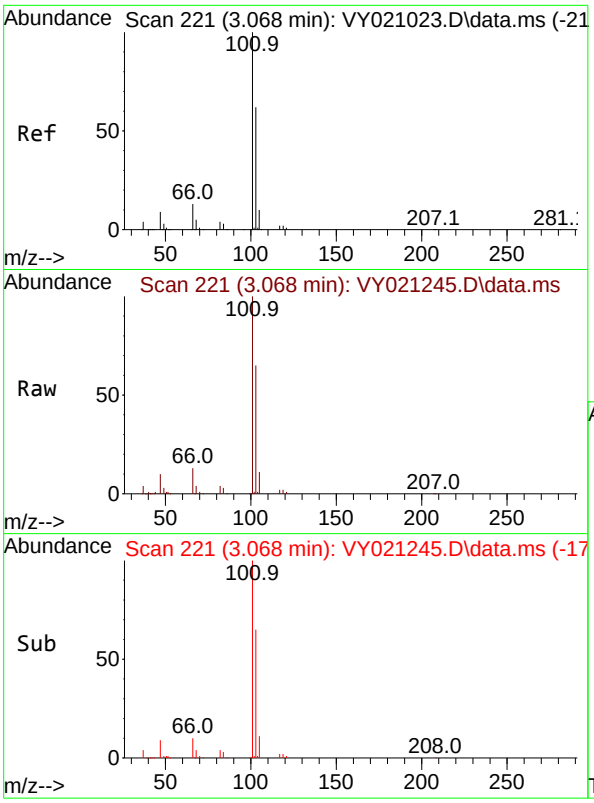



#6
Chloroethane
Concen: 61.081 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 64 Resp: 53243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 29.9 | 25.1 | 37.7 |

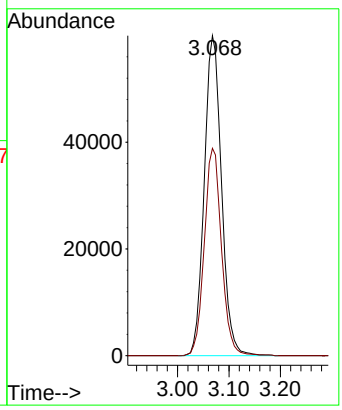





#7
Trichlorofluoromethane
Concen: 52.345 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:101 Resp: 13964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.8 | 51.9 | 77.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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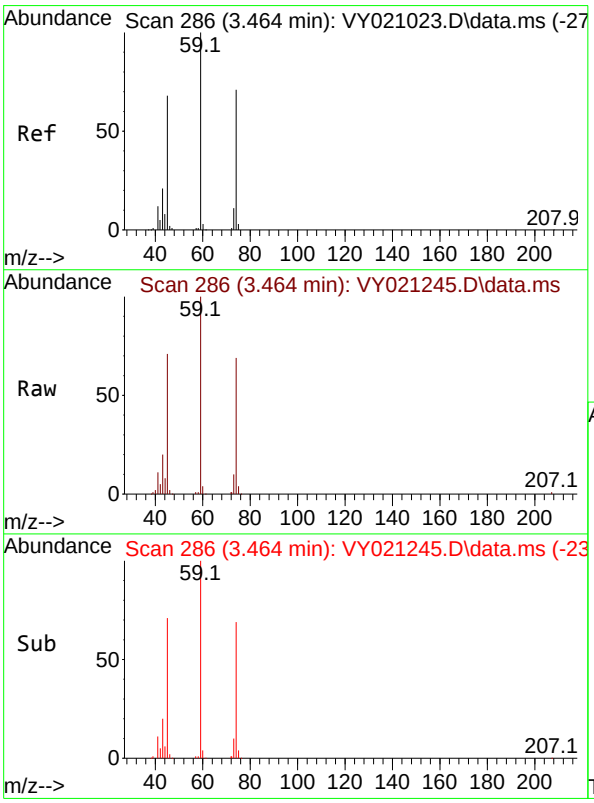
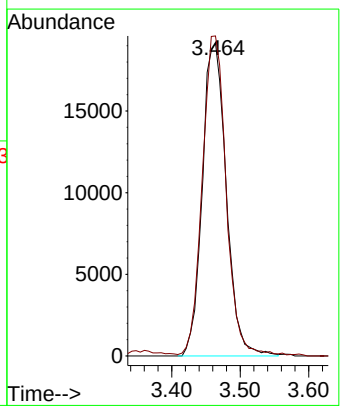
02/20/2025

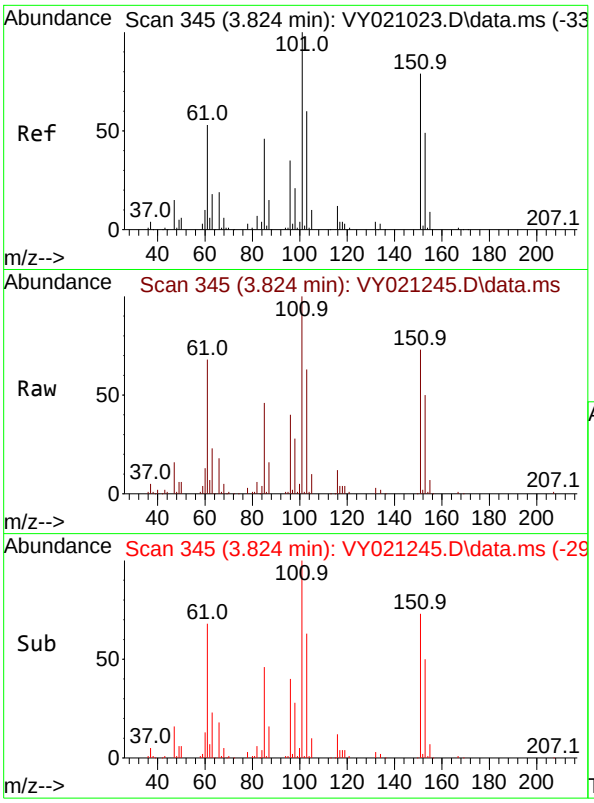



#8
Diethyl Ether
Concen: 56.045 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 74 Resp: 46675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.5 | 47.9 | 143.7 |

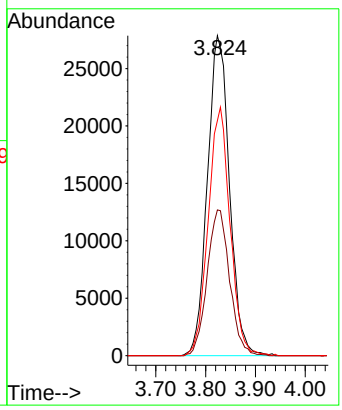





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.211 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:101 Resp: 8574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 35.8 | 53.6 |
| 151 | 76.9 | 58.6 | 88.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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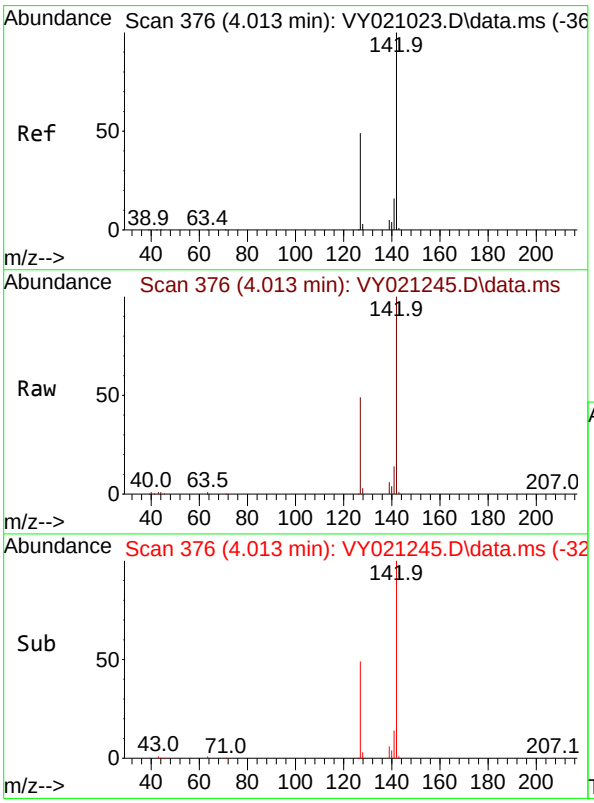
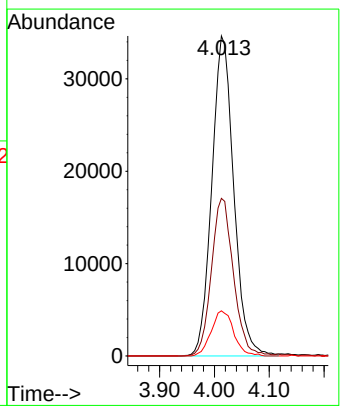
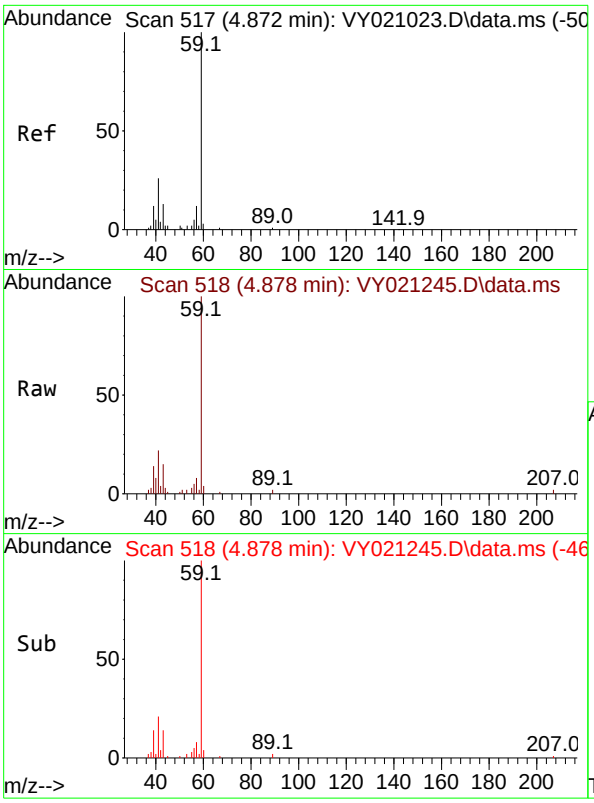



#10
Methyl Iodide
Concen: 51.770 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:142 Resp: 96299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.5 | 35.1 | 52.7 |
| 141 | 14.5 | 11.8 | 17.6 |

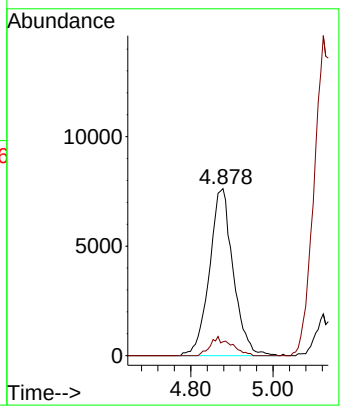





#11
Tert butyl alcohol
Concen: 266.519 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 59 Resp: 3061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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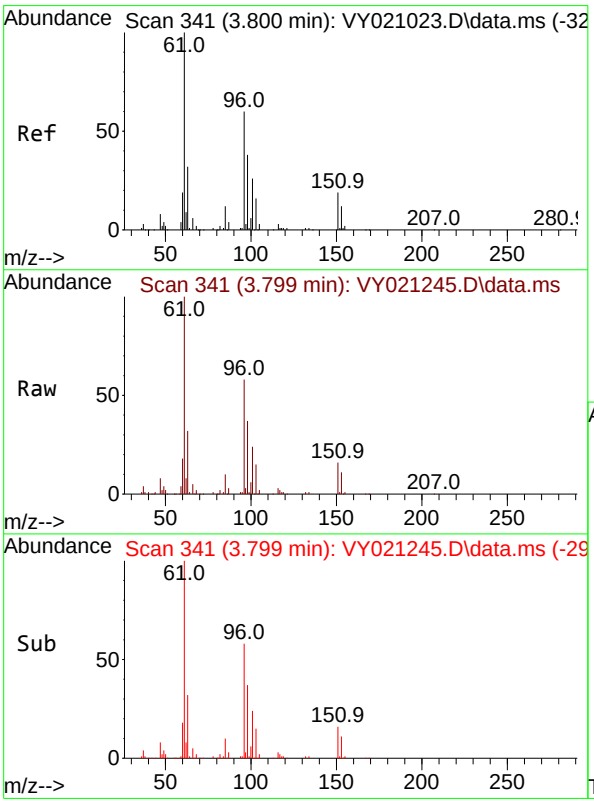
02/20/2025

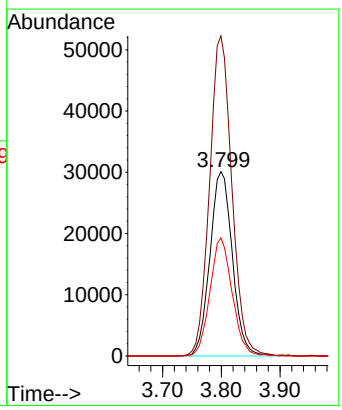
Supervised By :Mahesh Dadoda
02/20/2025

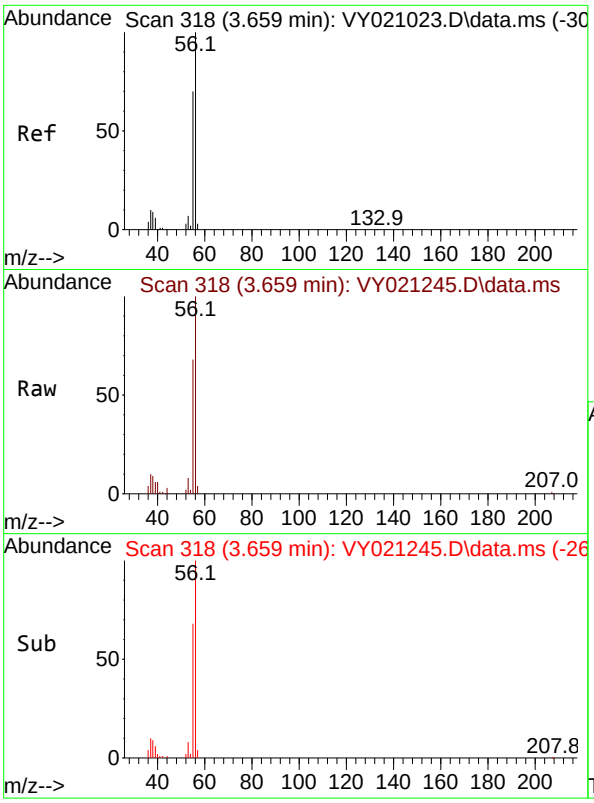



#12
1,1-Dichloroethene
Concen: 50.767 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 96 Resp: 80071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 173.6 | 124.2 | 186.2 |
| 98 | 64.1 | 52.6 | 79.0 |

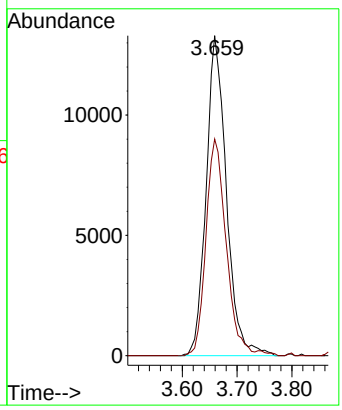





#13
Acrolein
Concen: 192.376 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 56 Resp: 3402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 67.4 | 55.4 | 83.0 |

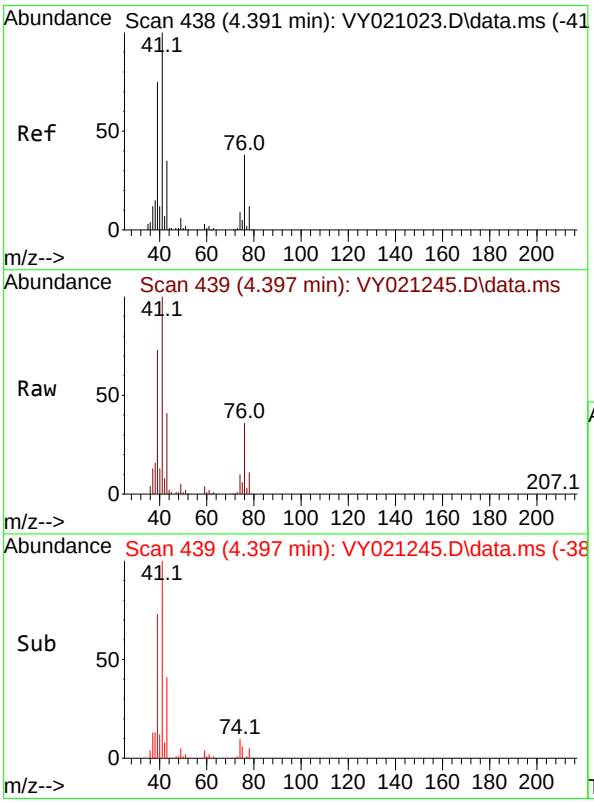



**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
02/20/2025

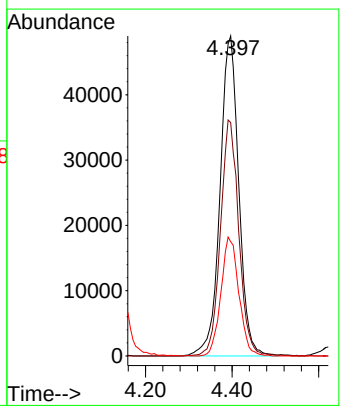
Supervised By :Mahesh Dadoda
02/20/2025

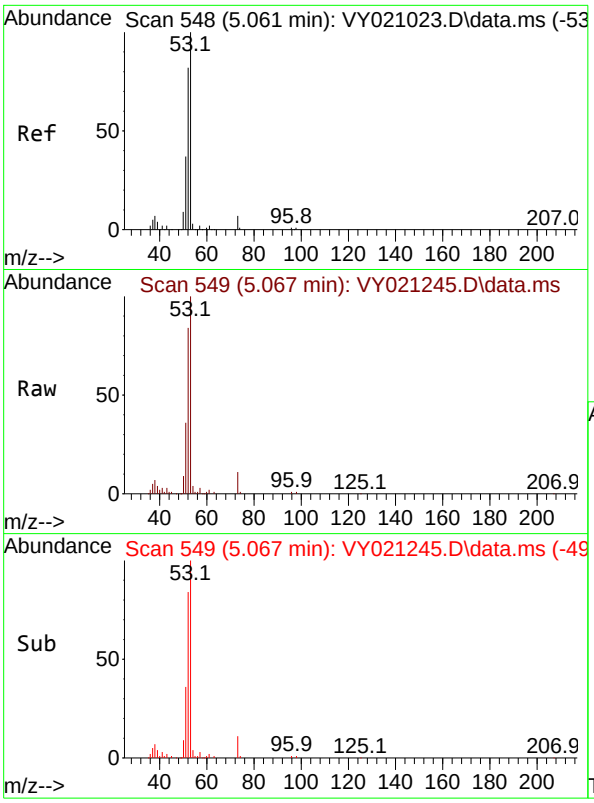



#14
Allyl chloride
Concen: 55.595 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 41 Resp: 147780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.1 | 54.7 | 82.1 |
| 76 | 35.6 | 31.8 | 47.6 |






#15
Acrylonitrile
Concen: 303.821 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 53 Resp: 10536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.9 | 65.1 | 97.7 |
| 51 | 37.6 | 29.0 | 43.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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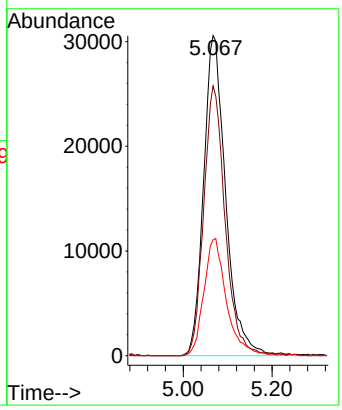
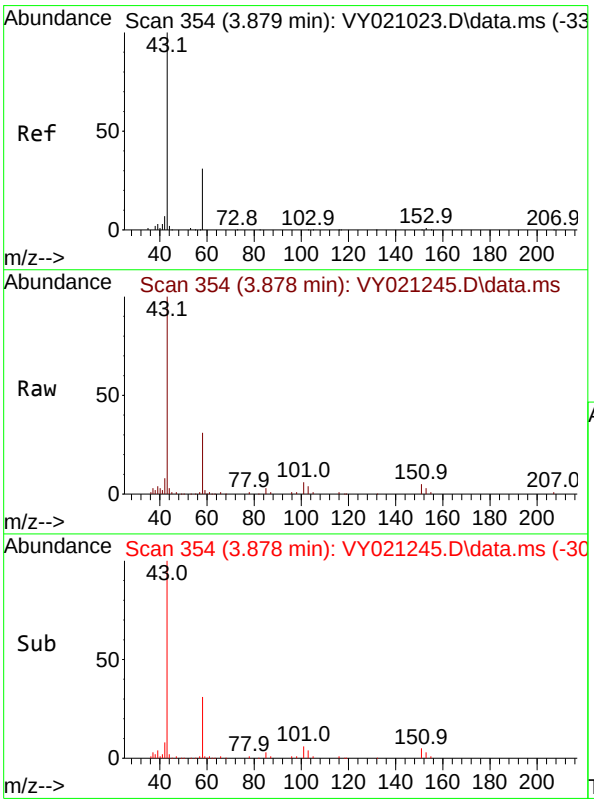
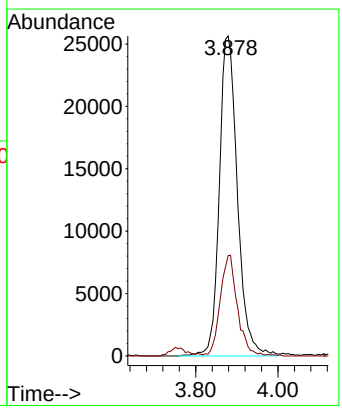


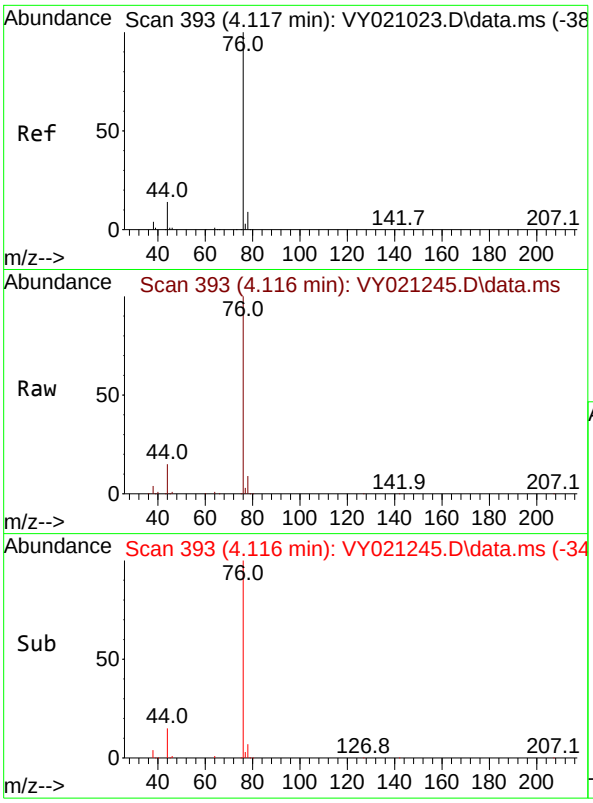




#16
Acetone
Concen: 296.567 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 78384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.1 | 26.6 | 39.8 |

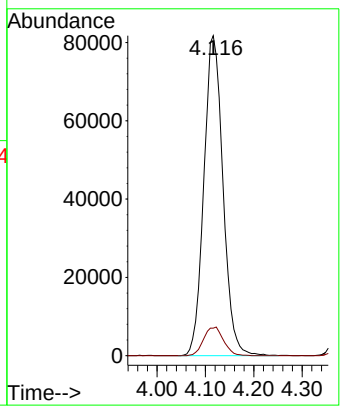





#17
Carbon Disulfide
Concen: 45.397 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 76 Resp: 22452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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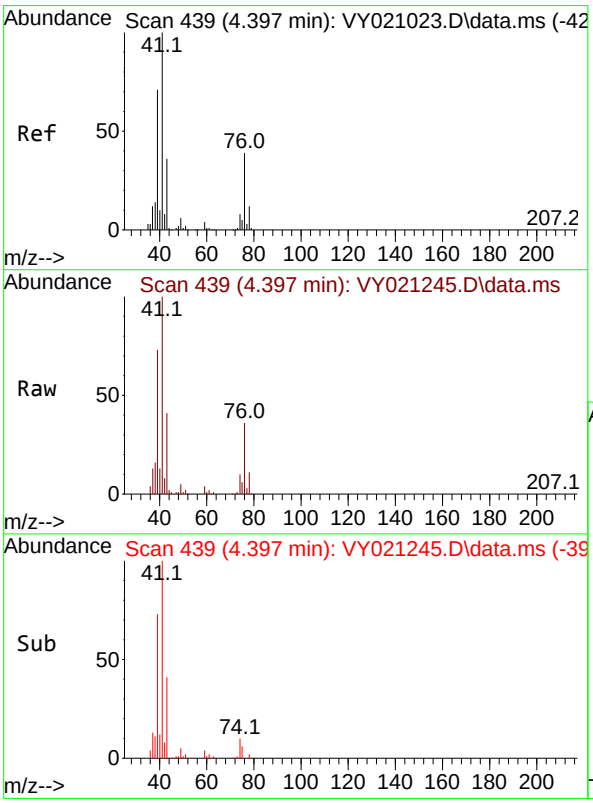
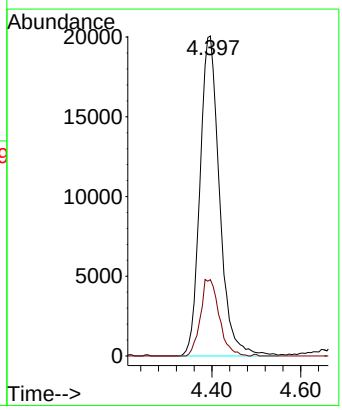
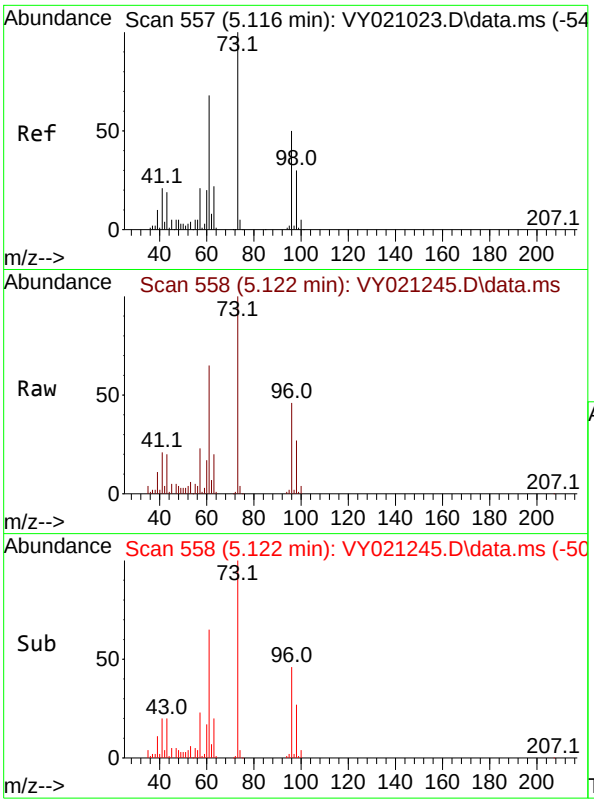



#18
Methyl Acetate
Concen: 66.203 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 61425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.0 | 19.8 | 29.6 |

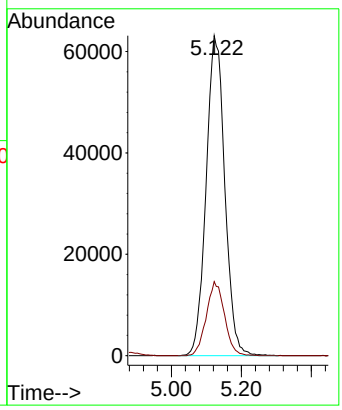





#19
Methyl tert-butyl Ether
Concen: 58.736 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 73 Resp: 23415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.1 | 17.7 | 26.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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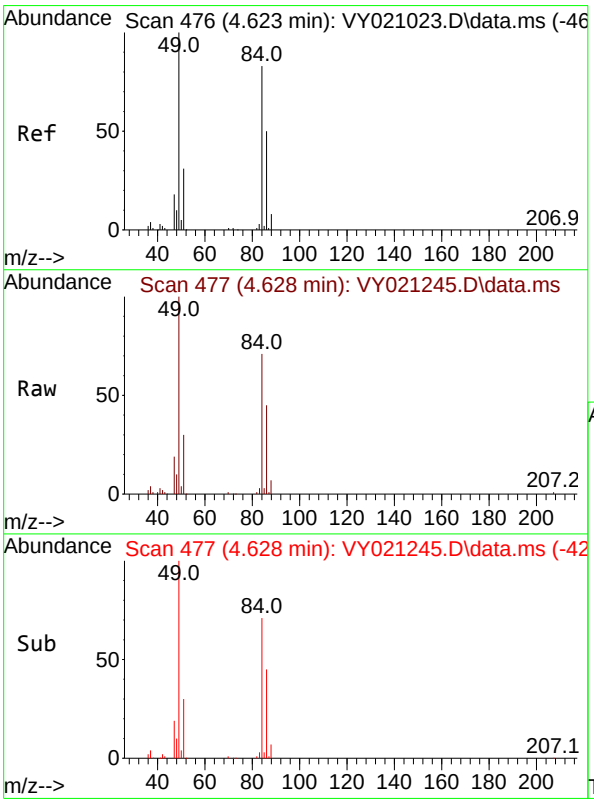
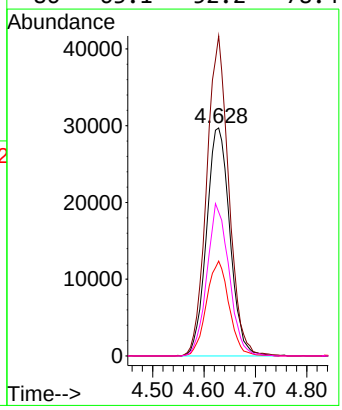
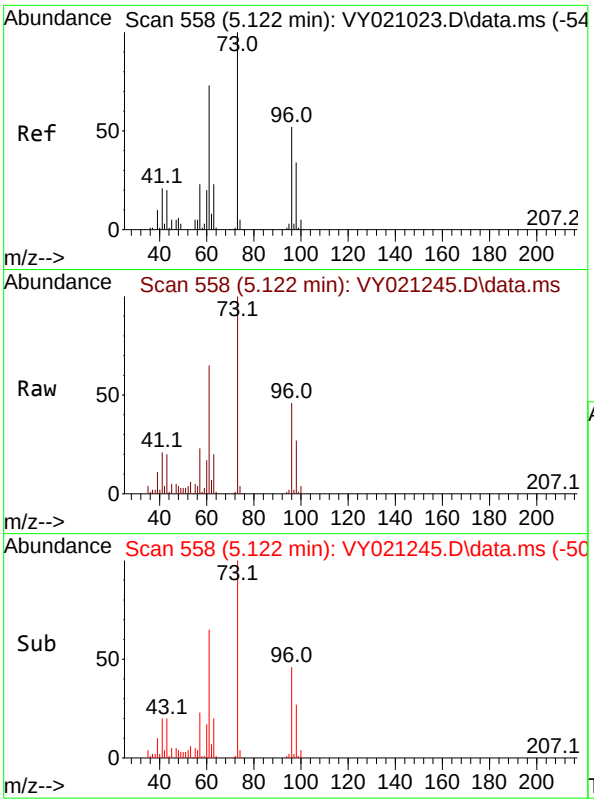



#20
Methylene Chloride
Concen: 57.169 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 84 Resp: 93932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 140.1 | 95.2 | 142.8 |
| 51 | 41.6 | 29.9 | 44.9 |
| 86 | 63.1 | 52.2 | 78.4 |

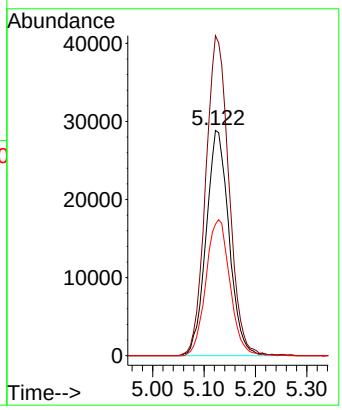





#21
trans-1,2-Dichloroethene
Concen: 51.495 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 96 Resp: 8940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.0 | 104.6 | 156.8 |
| 98 | 58.4 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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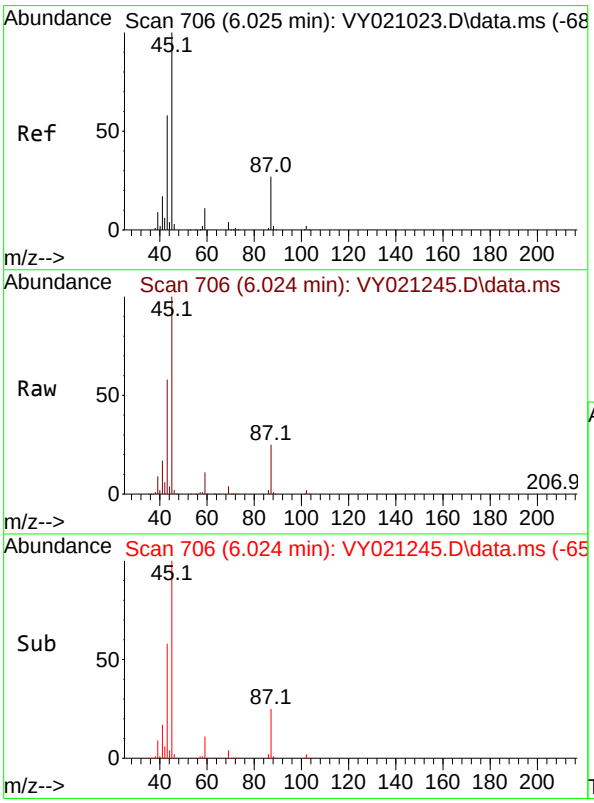
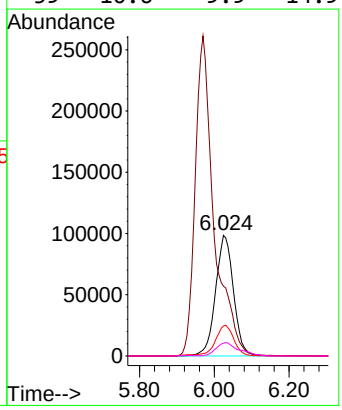
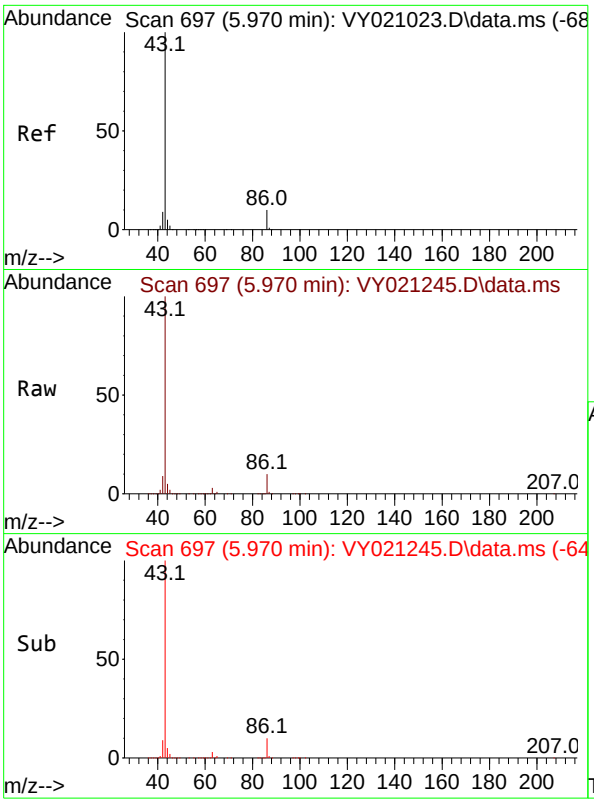



#22
Diisopropyl ether
Concen: 60.006 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 45 Resp: 328775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 57.7 | 46.8 | 70.2 |
| 87 | 24.8 | 22.2 | 33.2 |
| 59 | 10.6 | 9.9 | 14.9 |

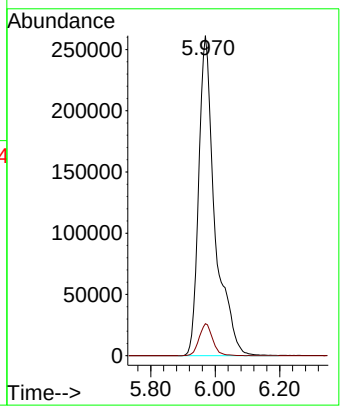





#23
Vinyl Acetate
Concen: 298.467 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 91162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 8.6 | 13.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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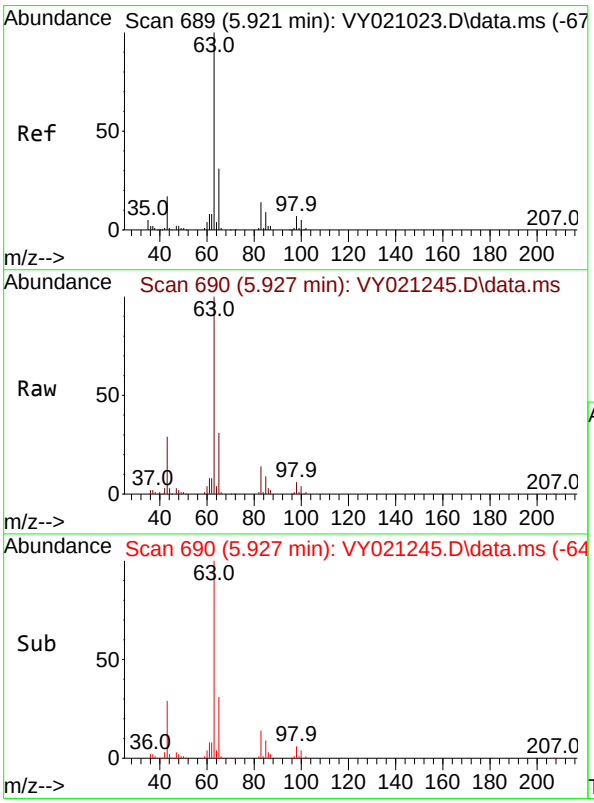
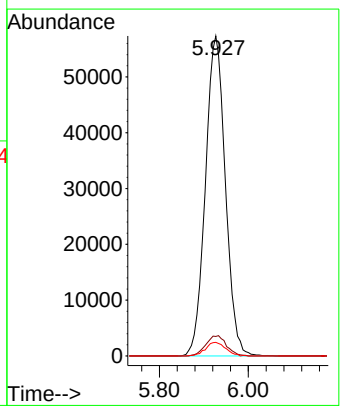
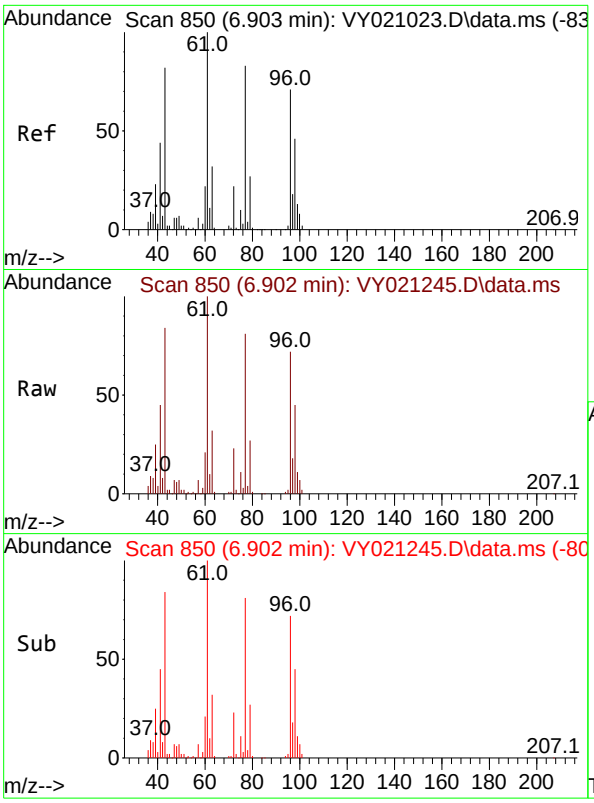



#24
1,1-Dichloroethane
Concen: 55.736 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 63 Resp: 178918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.1 | 3.8 | 11.4 |
| 100 | 4.3 | 2.1 | 6.2 |

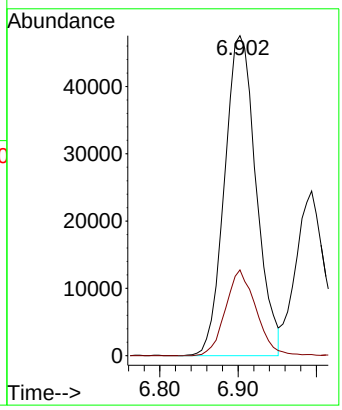





#25
2-Butanone
Concen: 307.203 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 13342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.8 | 21.4 | 32.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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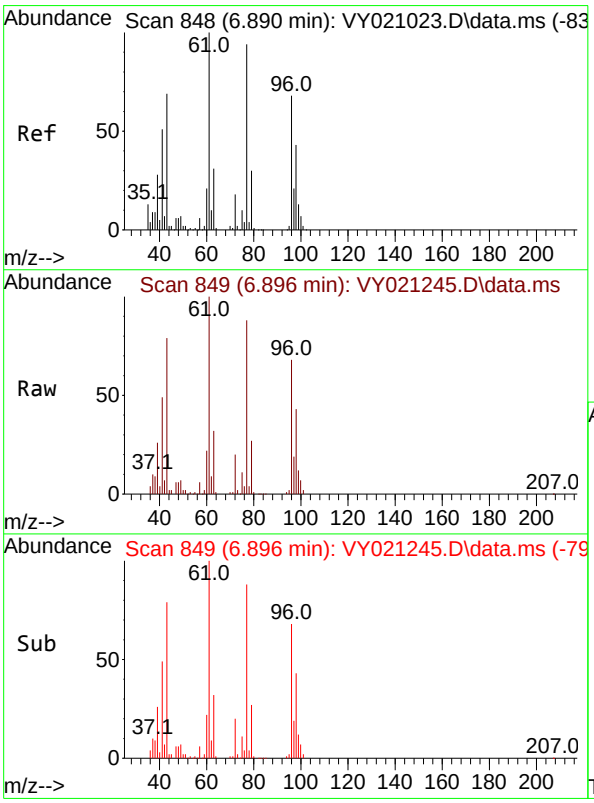
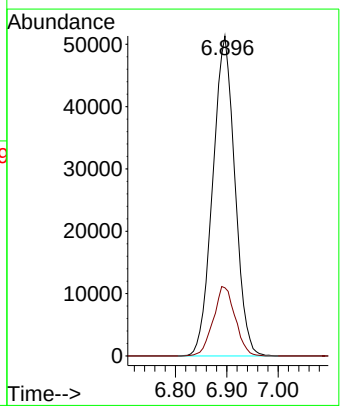
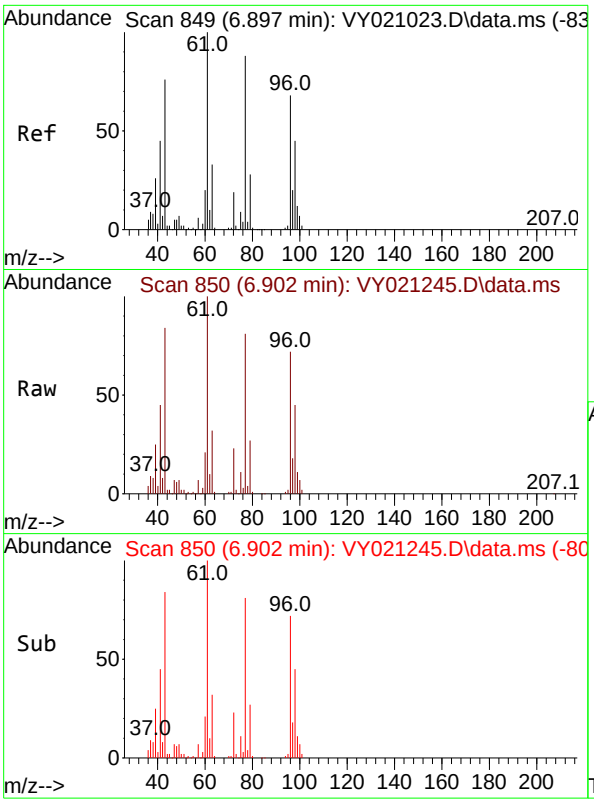



#26
2,2-Dichloropropane
Concen: 51.680 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 77 Resp: 153504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.5 | 11.7 | 35.0 |

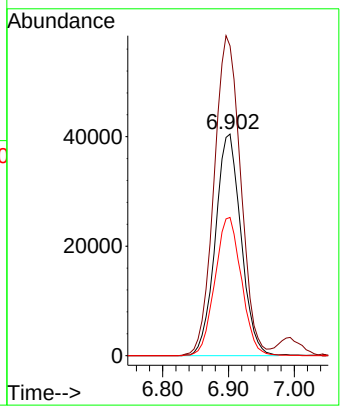





#27
cis-1,2-Dichloroethene
Concen: 55.122 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 96 Resp: 11015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.4 | 0.0 | 278.8 |
| 98 | 64.3 | 0.0 | 127.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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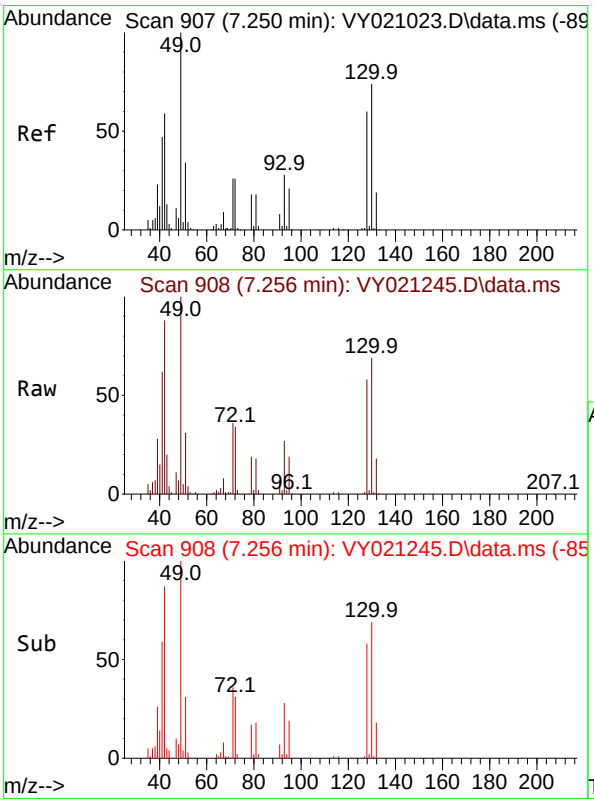
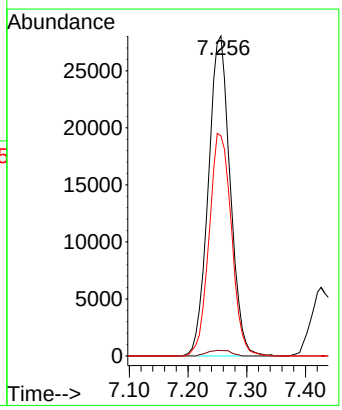
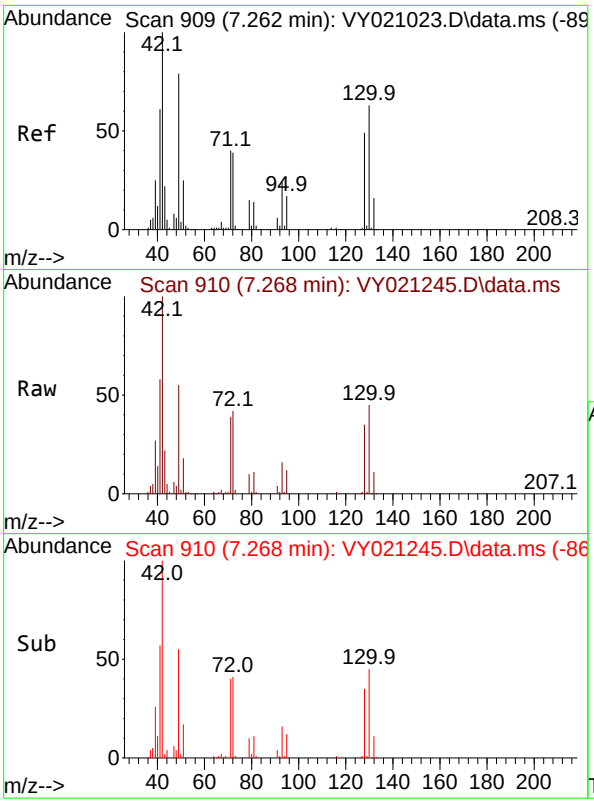



#28
Bromochloromethane
Concen: 57.089 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 49 Resp: 72467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 71.1 | 59.8 | 89.8 |

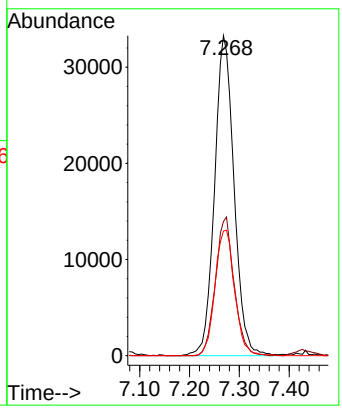





#29
Tetrahydrofuran
Concen: 307.460 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 42 Resp: 9036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.5 | 36.6 | 54.8 |
| 71 | 39.4 | 33.8 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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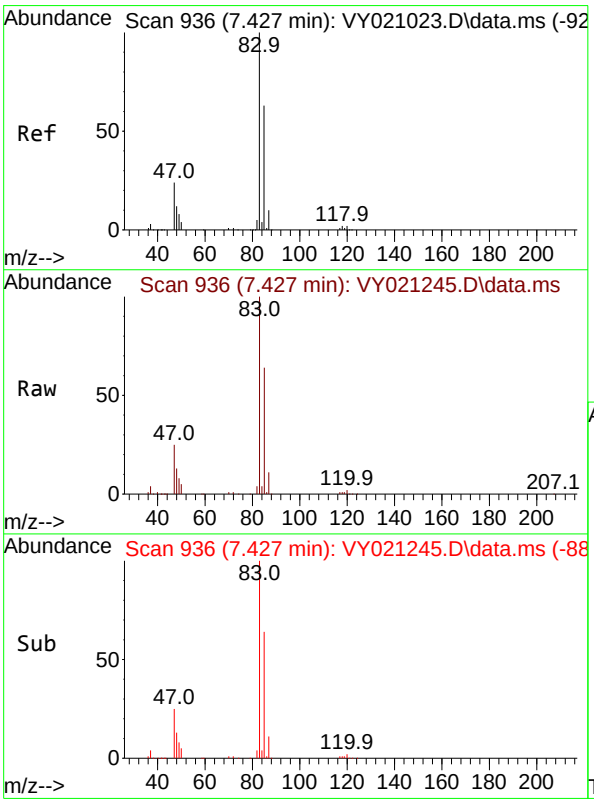
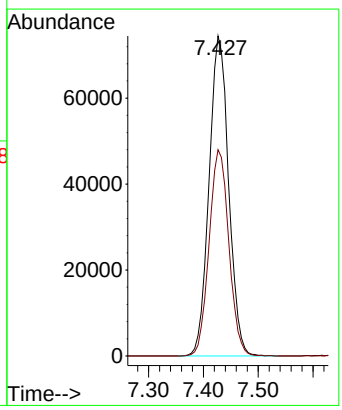
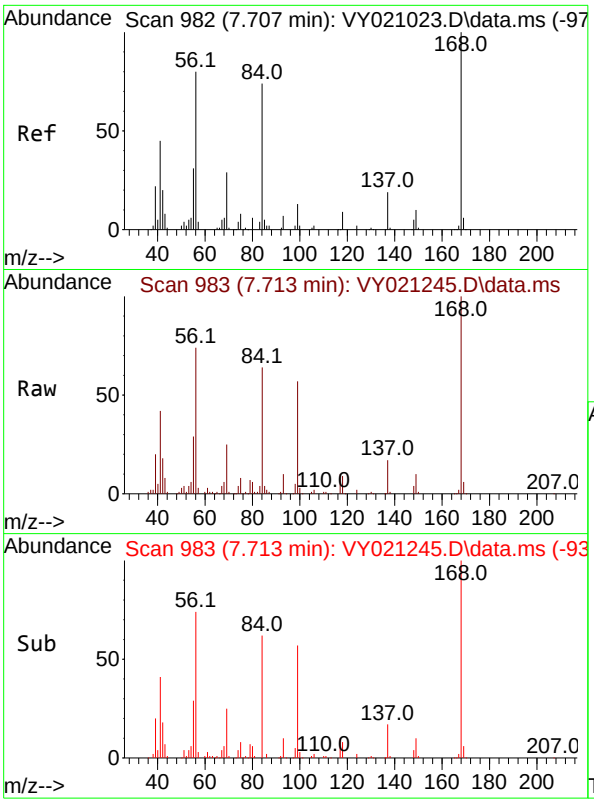



#30
Chloroform
Concen: 55.908 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 83 Resp: 184343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.2 | 76.8 |

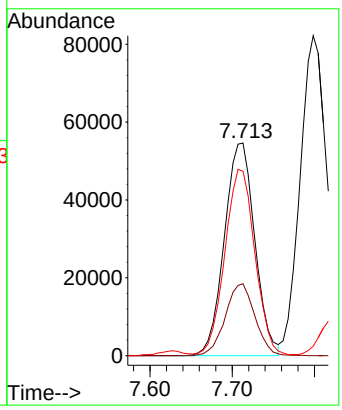





#31
Cyclohexane
Concen: 48.715 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 56 Resp: 14082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.9 | 27.0 | 40.6 |
| 84 | 84.8 | 71.8 | 107.6 |

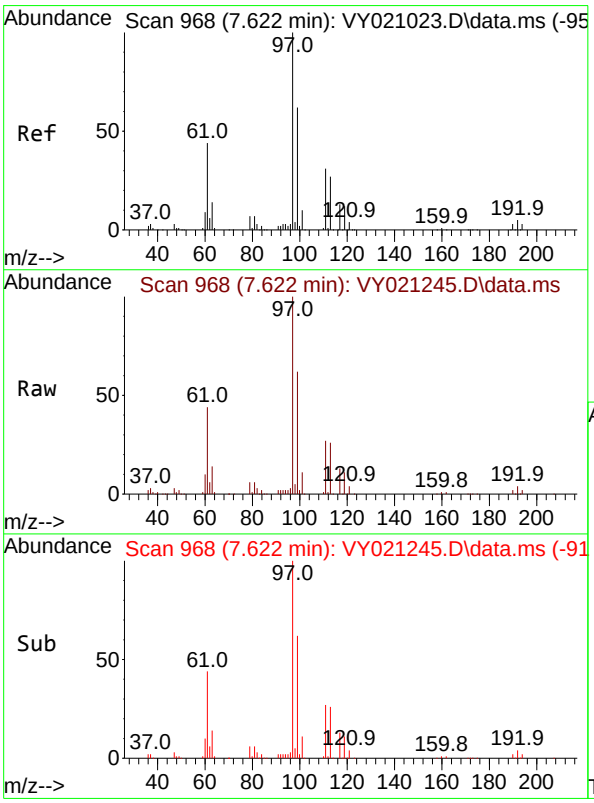



**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
02/20/2025

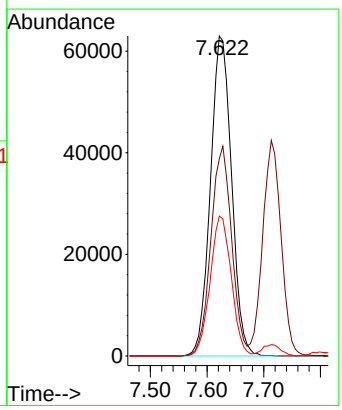
Supervised By :Mahesh Dadoda
02/20/2025

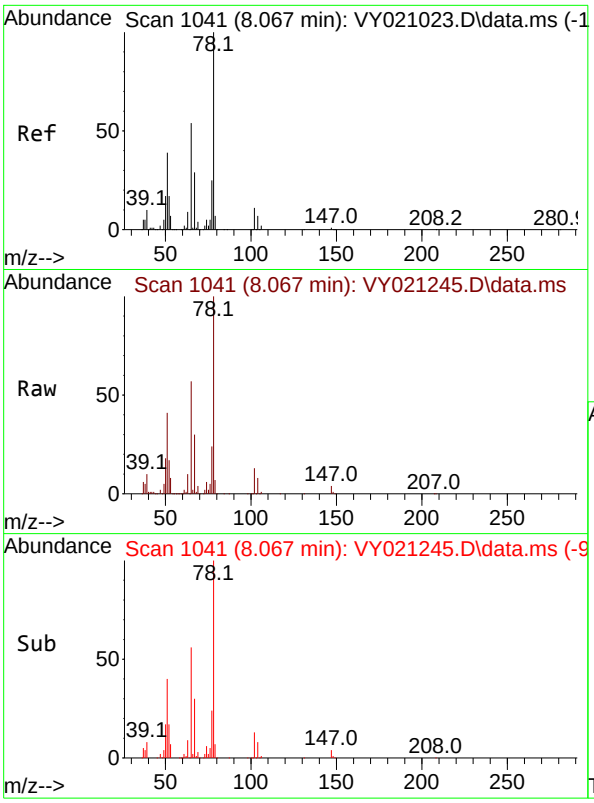



#32
1,1,1-Trichloroethane
Concen: 53.040 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 97 Resp: 162598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.6 | 51.2 | 76.8 |
| 61 | 43.9 | 35.0 | 52.6 |

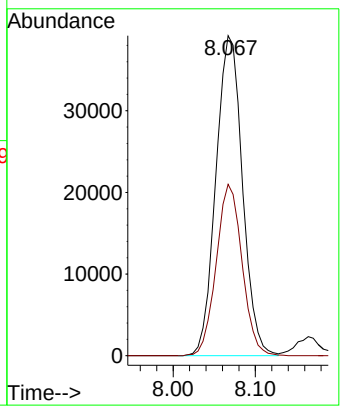





#33
1,2-Dichloroethane-d4
Concen: 51.982 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 65 Resp: 8810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 109.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
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Supervised By :Mahesh Dadoda
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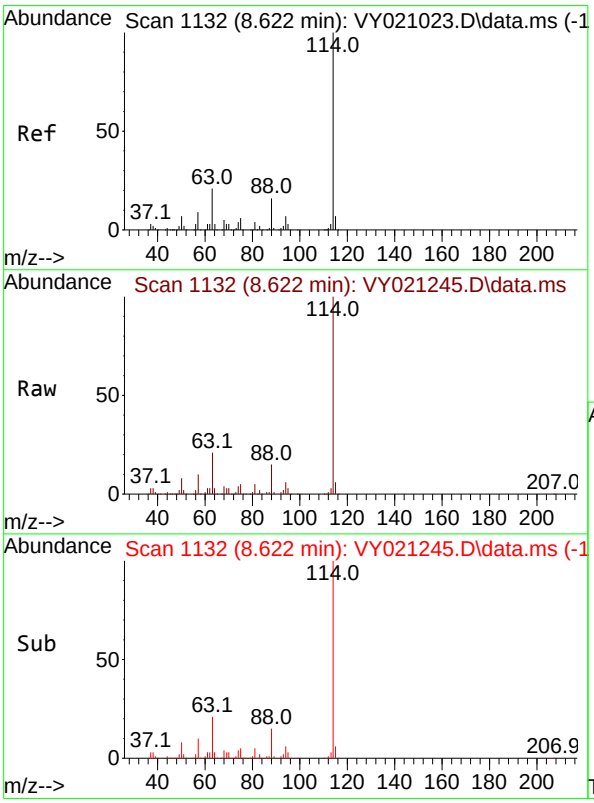
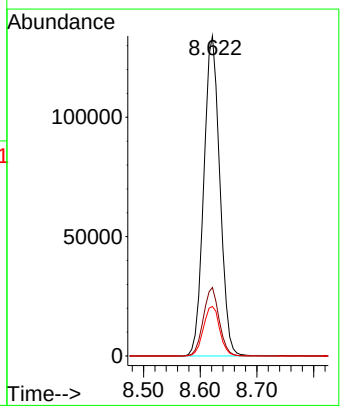
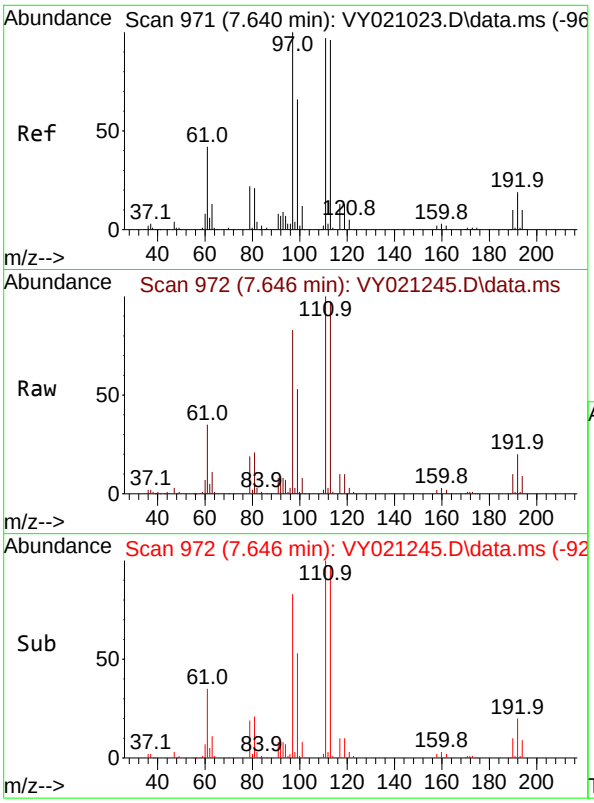



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:114 Resp: 263329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 37.4 |
| 88 | 15.4 | 0.0 | 29.0 |

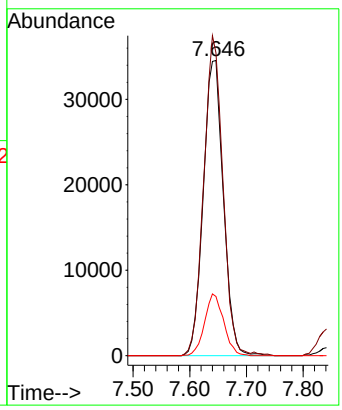





#35
Dibromofluoromethane
Concen: 50.351 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:113 Resp: 8497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 83.8 | 125.6 |
| 192 | 19.9 | 14.5 | 21.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
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Supervised By :Mahesh Dadoda
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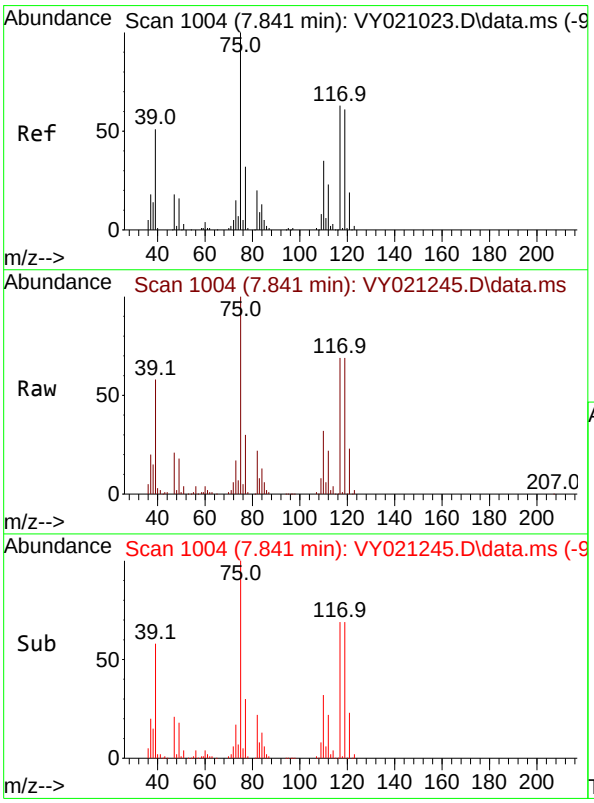
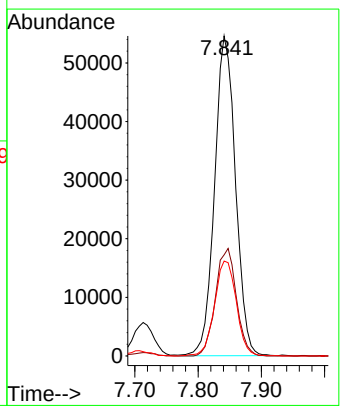
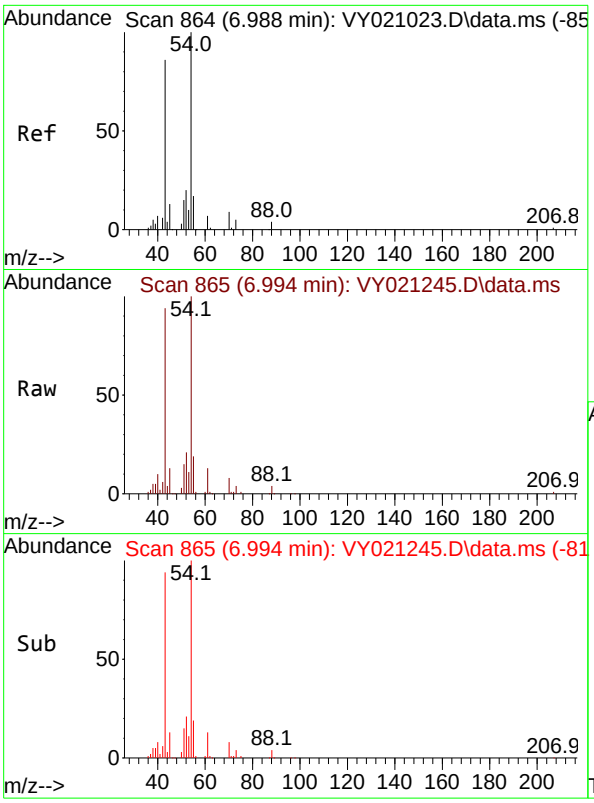



#36
1,1-Dichloropropene
Concen: 50.046 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 125097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.7 | 17.4 | 52.3 |
| 77 | 31.0 | 24.7 | 37.1 |

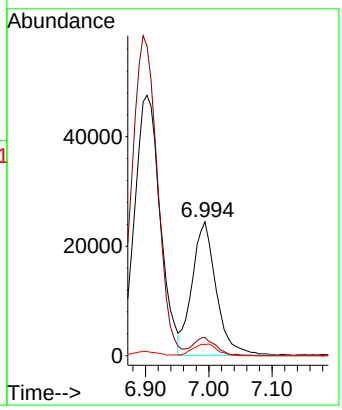





#37
Ethyl Acetate
Concen: 59.007 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 6470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.8 | 11.0 | 16.6 |
| 70 | 8.9 | 8.1 | 12.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**
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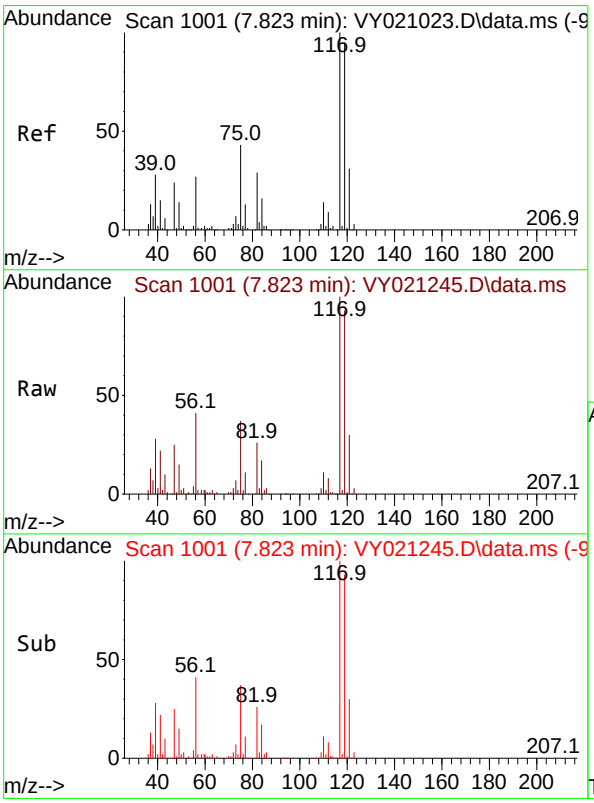
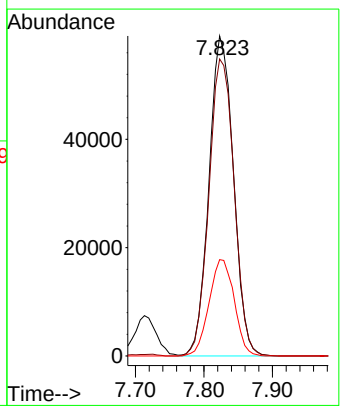
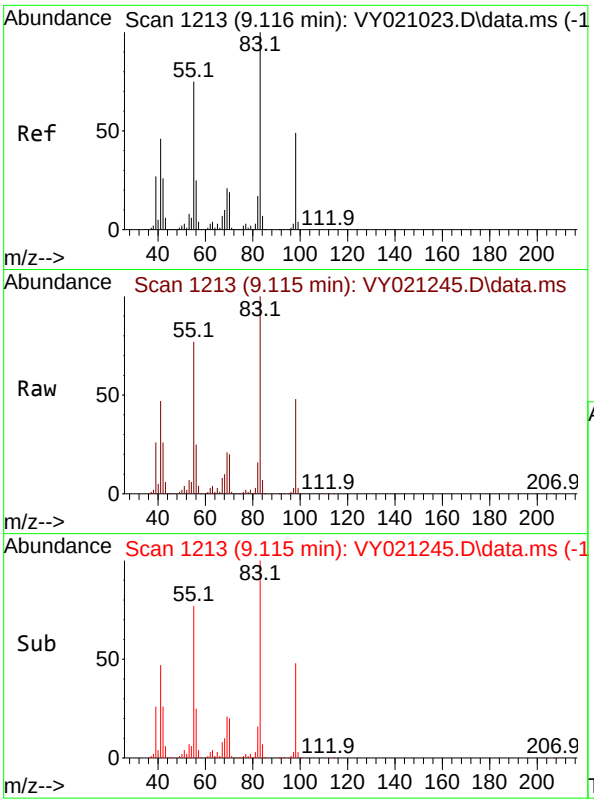



#38
Carbon Tetrachloride
Concen: 50.141 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:117 Resp: 146445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.8 | 76.0 | 114.0 |
| 121 | 30.1 | 24.2 | 36.2 |

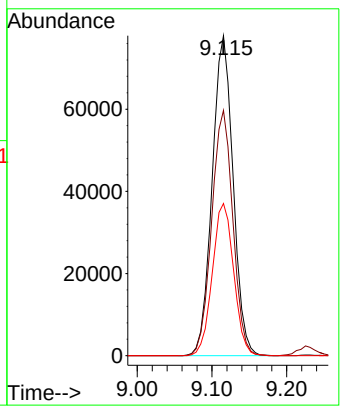





#39
Methylcyclohexane
Concen: 49.660 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 83 Resp: 15183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.7 | 59.7 | 89.5 |
| 98 | 47.6 | 38.0 | 57.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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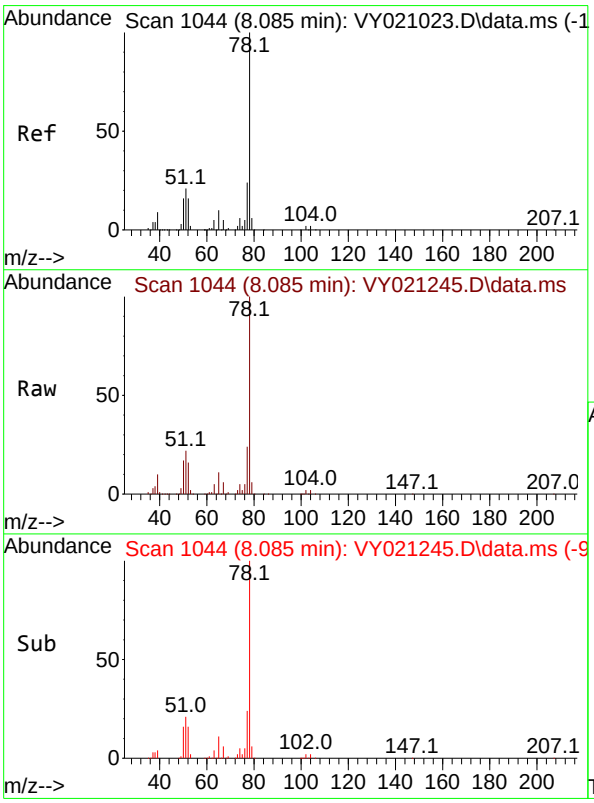
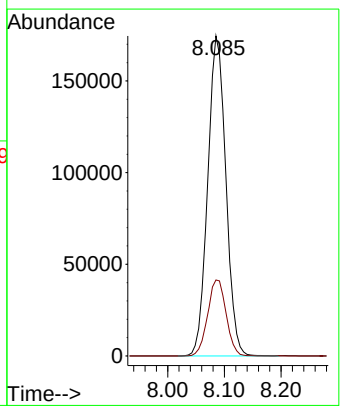
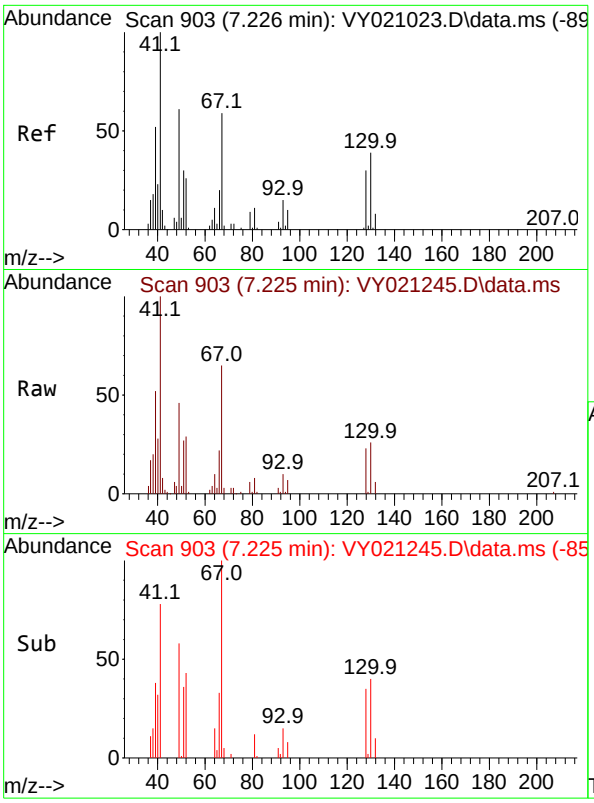



#40
Benzene
Concen: 52.834 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 78 Resp: 387558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 18.8 | 28.2 |

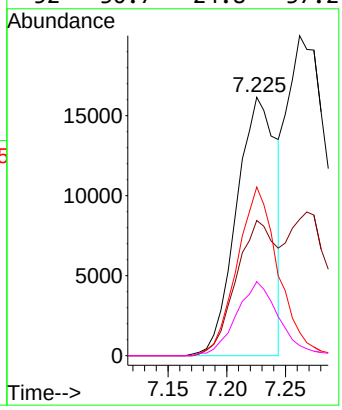





#41
Methacrylonitrile
Concen: 59.955 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

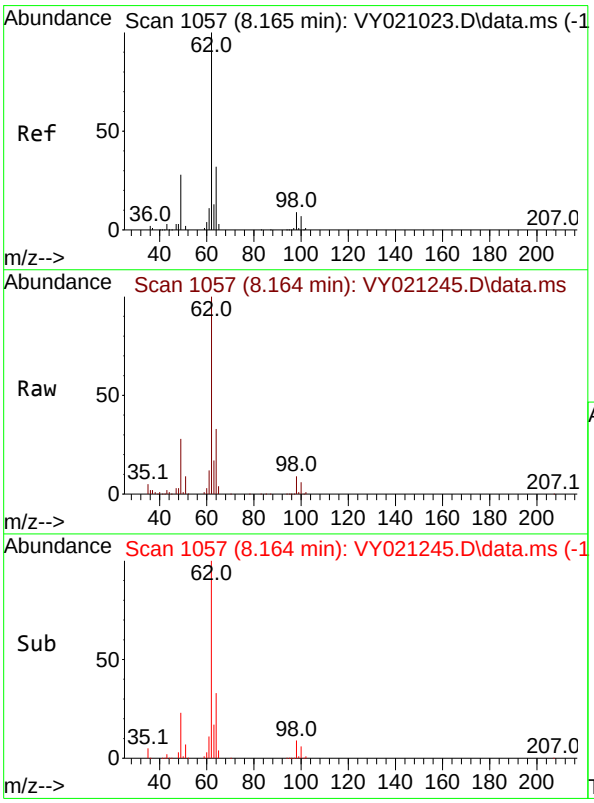
Tgt Ion: 41 Resp: 3803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.4 | 41.9 | 62.9 |
| 67 | 68.3 | 59.8 | 89.6 |
| 52 | 30.7 | 24.8 | 37.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

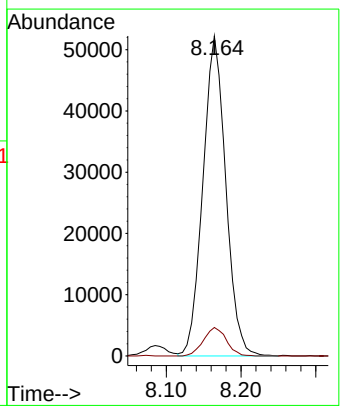
**Manual Integrations APPROVED**
Reviewed By :Romaben Patel
02/20/2025
Supervised By :Mahesh Dadoda
02/20/2025

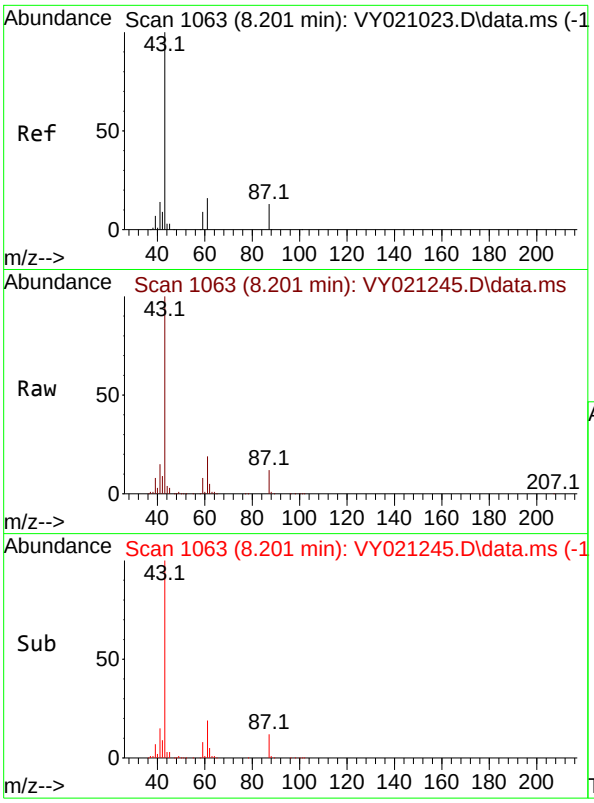



#42
1,2-Dichloroethane
Concen: 54.630 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 62 Resp: 111164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 20.2 |

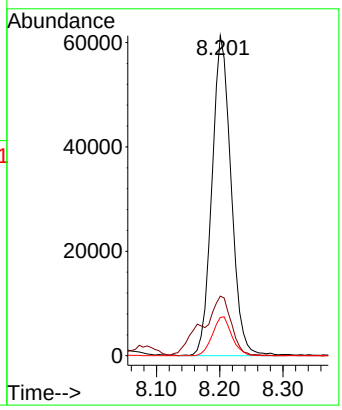





#43
Isopropyl Acetate
Concen: 59.061 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 12868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 28.2 | 24.8 | 37.2 |
| 87 | 12.3 | 10.7 | 16.1 |




**Instrument :**
MSVOA_Y
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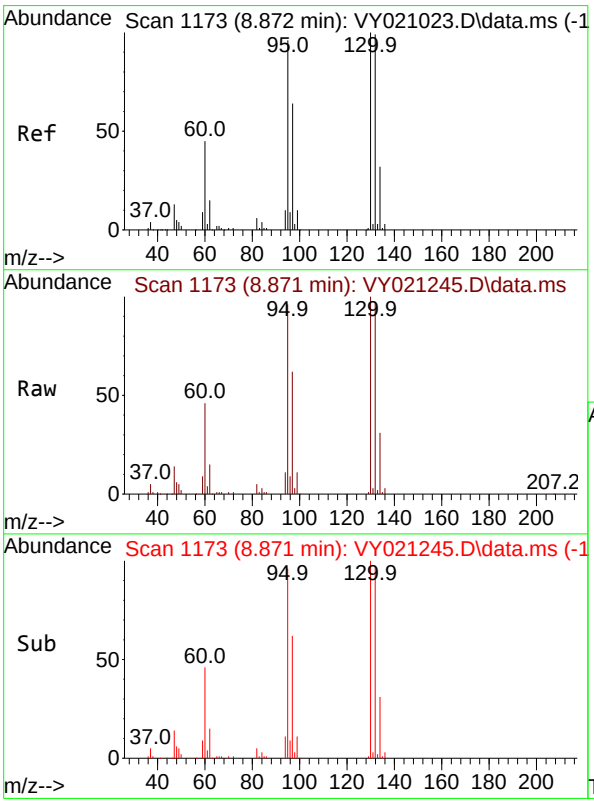
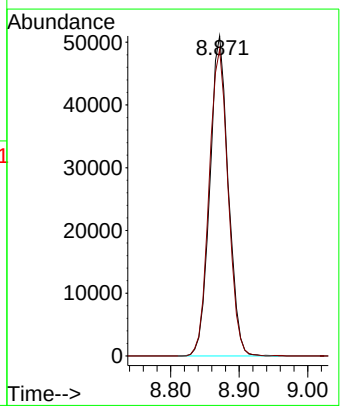
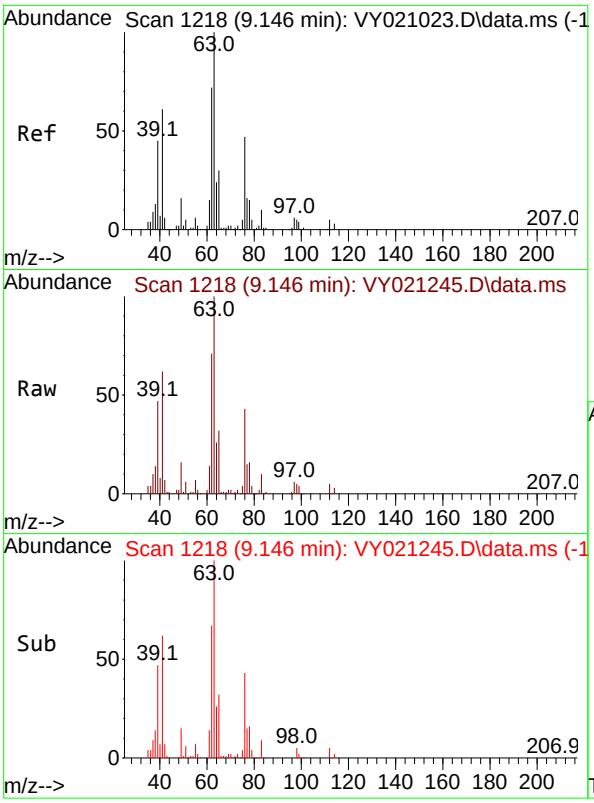



#44
Trichloroethene
Concen: 50.349 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:130 Resp: 95421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.9 | 0.0 | 203.8 |

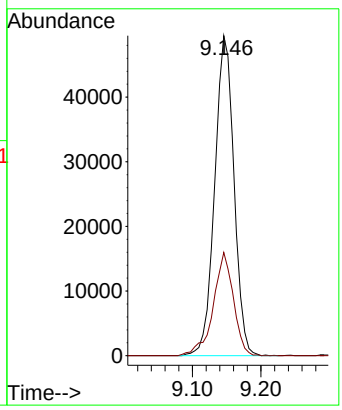





#45
1,2-Dichloropropane
Concen: 55.433 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 63 Resp: 9651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.2 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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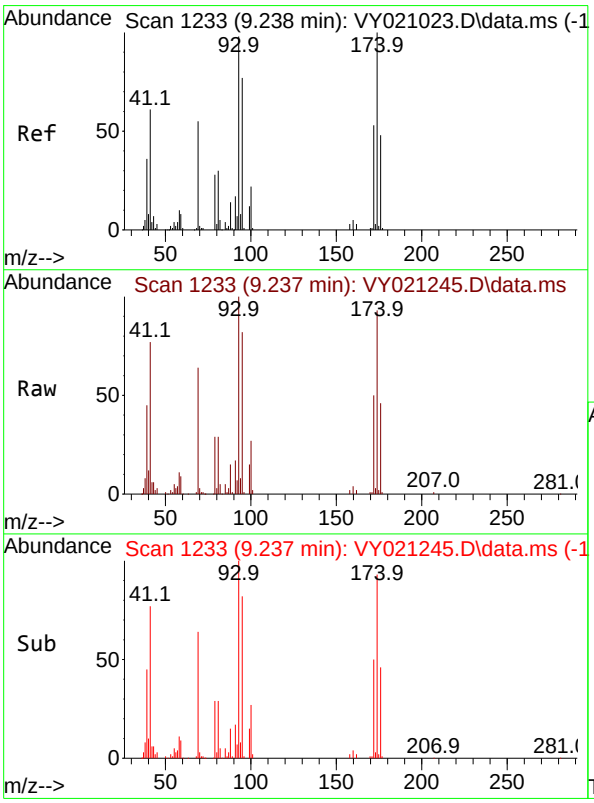
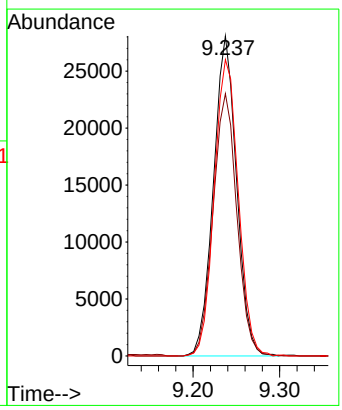
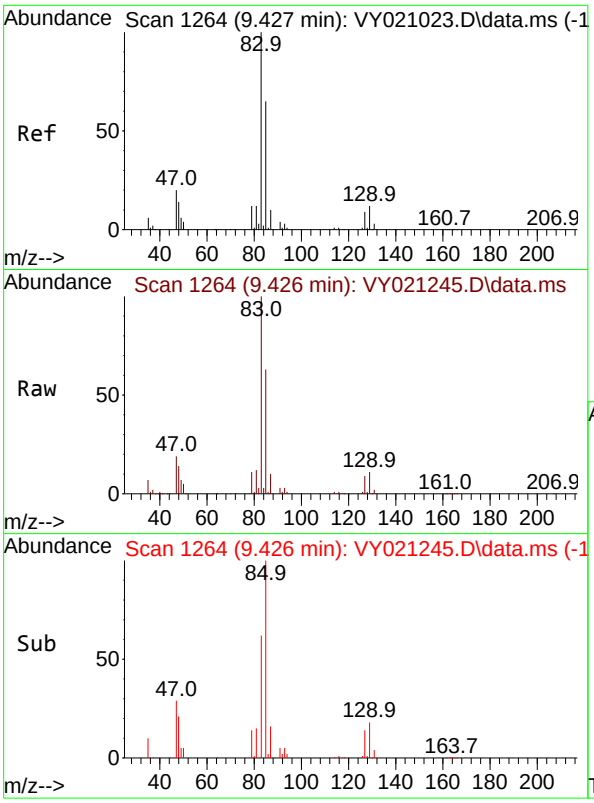



#46
Dibromomethane
Concen: 54.018 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 93 Resp: 52073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 66.6 | 99.8 |
| 174 | 96.5 | 73.8 | 110.6 |

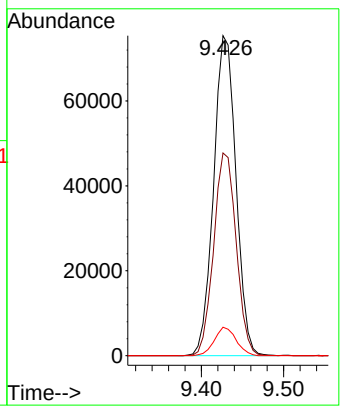





#47
Bromodichloromethane
Concen: 55.072 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 83 Resp: 14238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.3 | 53.2 | 79.8 |
| 127 | 8.9 | 6.4 | 9.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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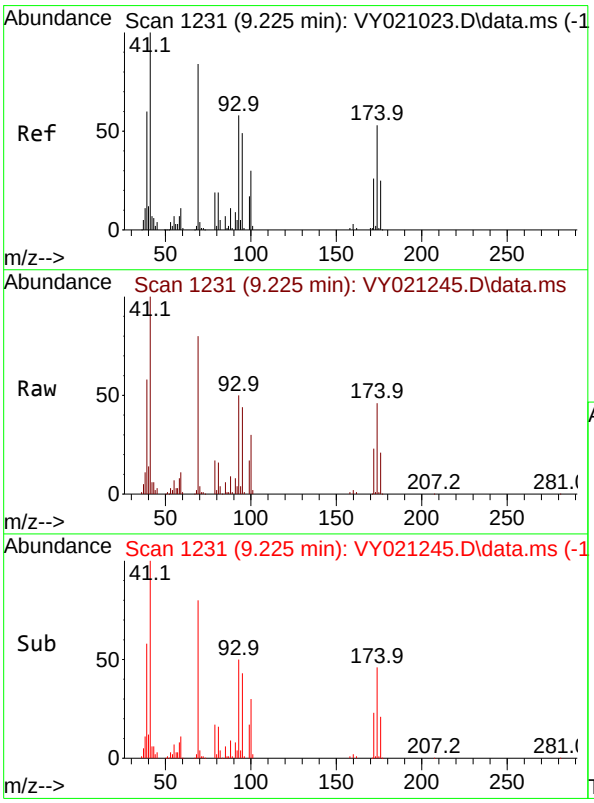
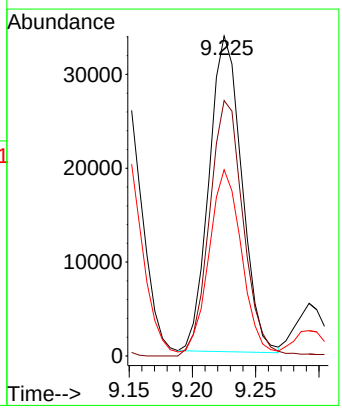
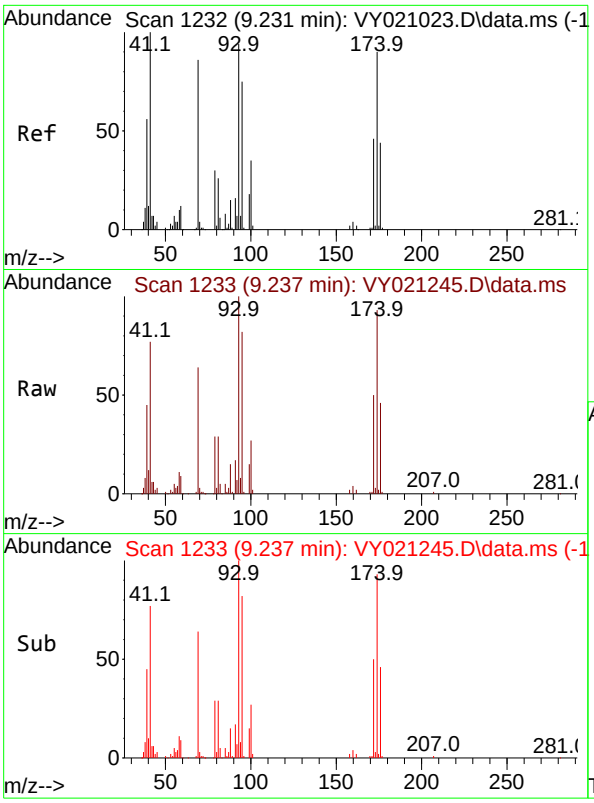



#48
Methyl methacrylate
Concen: 60.916 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 41 Resp: 60459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.0 | 72.1 | 108.1 |
| 39 | 56.6 | 42.8 | 64.2 |

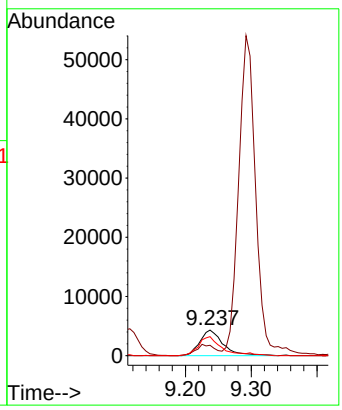





#49
1,4-Dioxane
Concen: 1192.209 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 88 Resp: 1069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.8 | 28.2 | 42.4 |
| 58 | 75.6 | 52.2 | 78.2 |

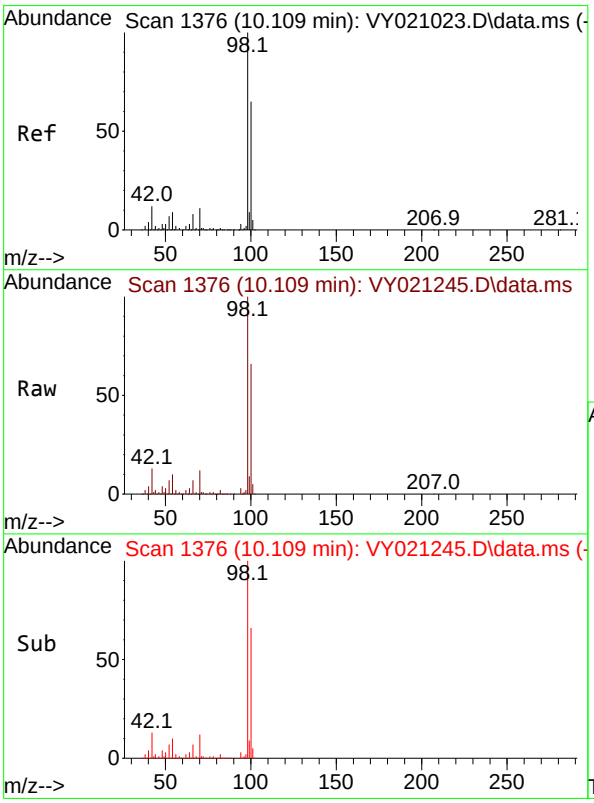



**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
02/20/2025

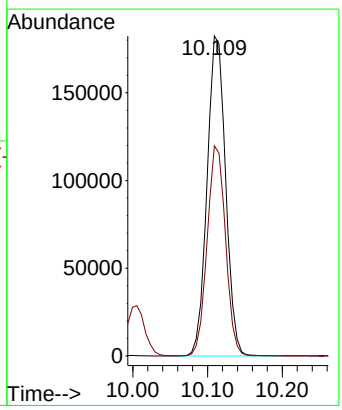
Supervised By :Mahesh Dadoda
02/20/2025

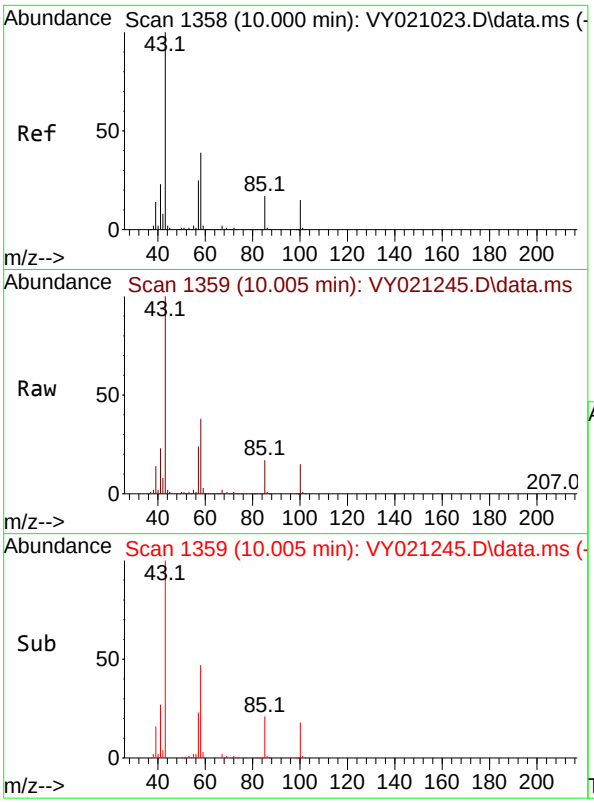



#50
Toluene-d8
Concen: 48.967 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 98 Resp: 314603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 52.3 | 78.5 |

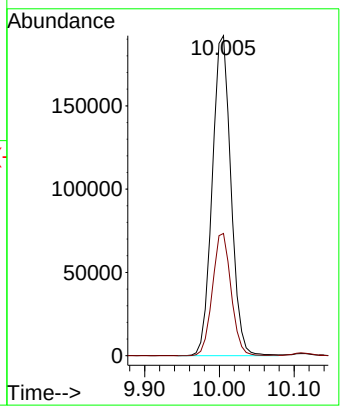





#51
4-Methyl-2-Pentanone
Concen: 305.302 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 33451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.2 | 32.2 | 48.2 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

**Manual Integrations APPROVED**

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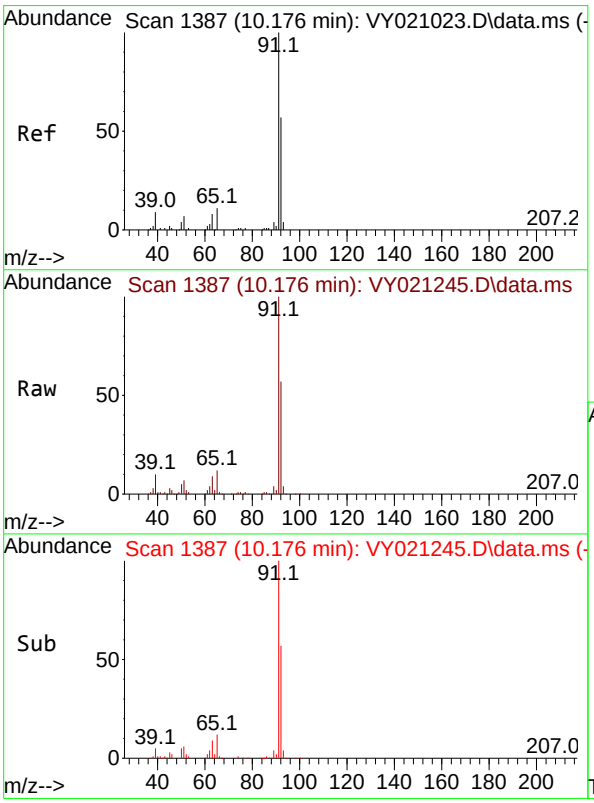
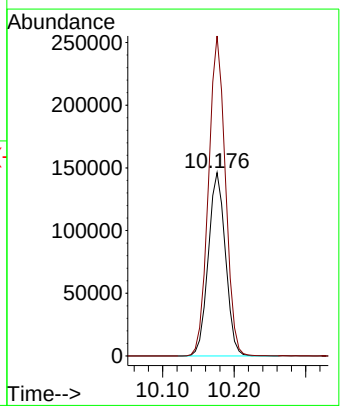
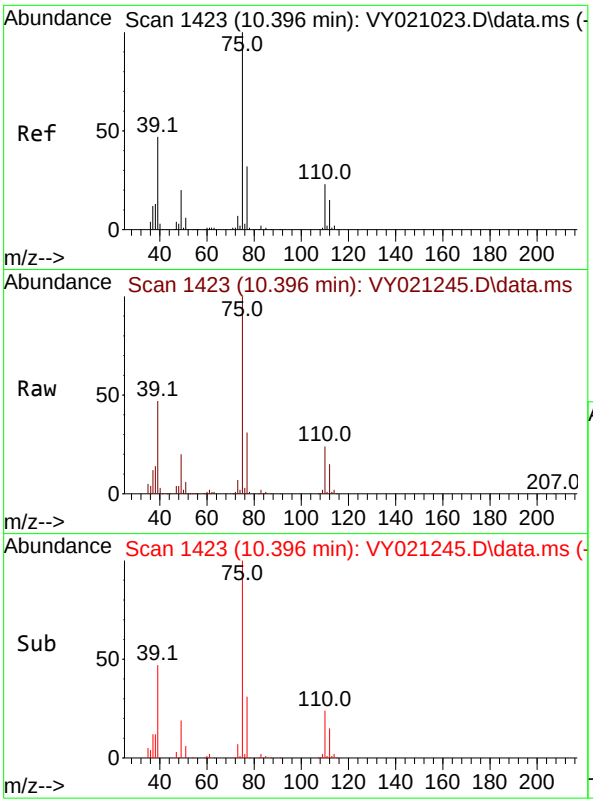



#52
Toluene
Concen: 52.845 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 92 Resp: 243403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.2 | 137.6 | 206.4 |

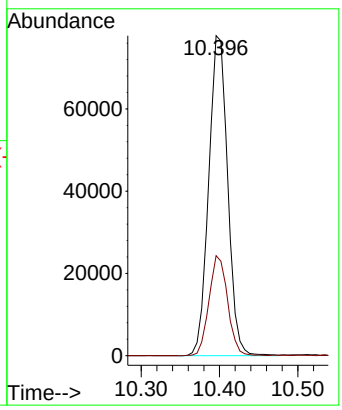





#53
t-1,3-Dichloropropene
Concen: 56.333 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 13077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

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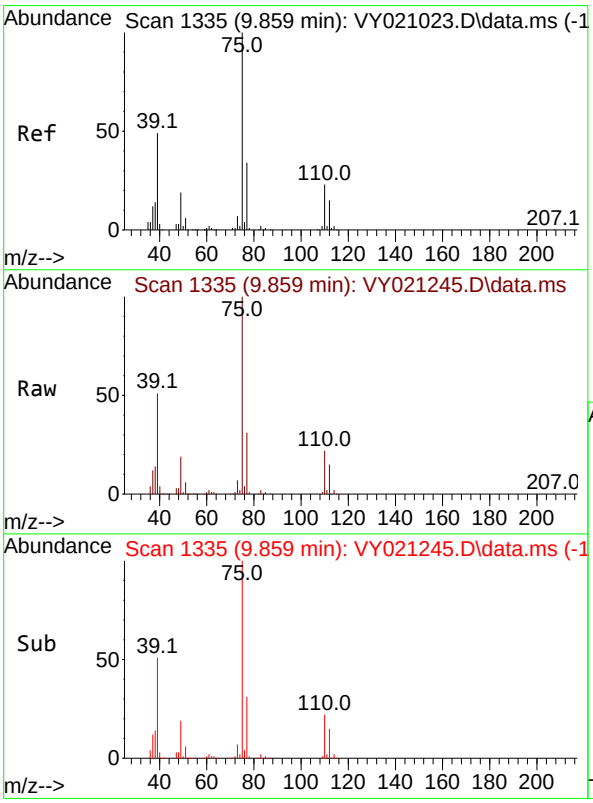
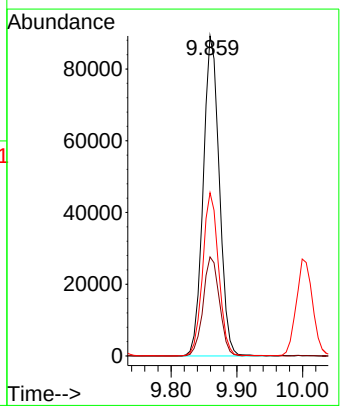
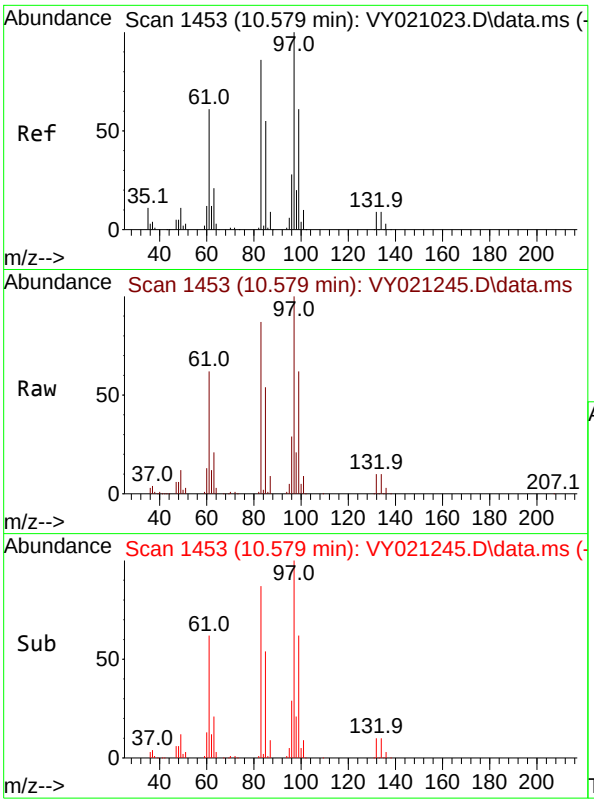



#54
cis-1,3-Dichloropropene
Concen: 55.321 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 152060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 24.6 | 36.8 |
| 39 | 50.9 | 33.6 | 50.4# |

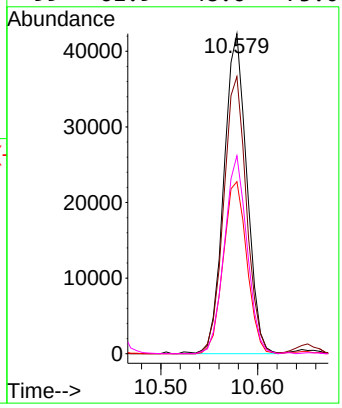





#55
1,1,2-Trichloroethane
Concen: 55.990 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 97 Resp: 6989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.6 | 69.4 | 104.2 |
| 85 | 53.8 | 43.9 | 65.9 |
| 99 | 61.9 | 48.6 | 73.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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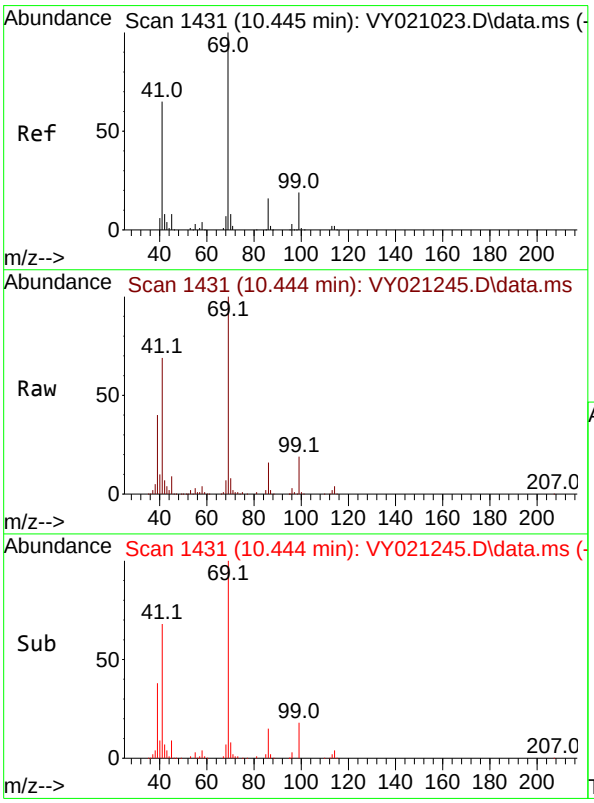
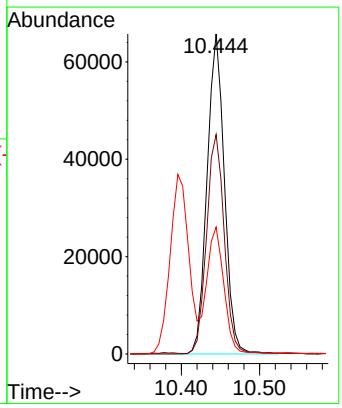
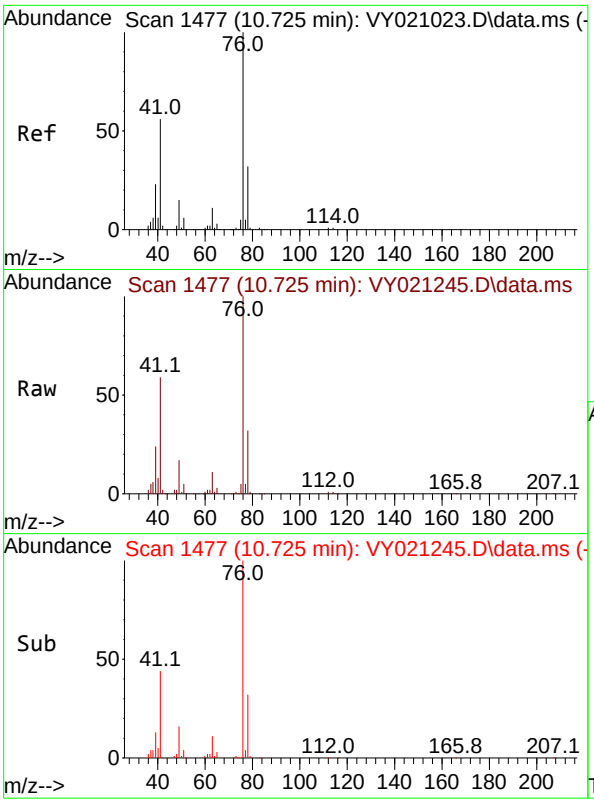



#56
Ethyl methacrylate
Concen: 60.418 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 69 Resp: 100897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.9 | 49.2 | 73.8 |
| 39 | 39.5 | 26.8 | 40.2 |

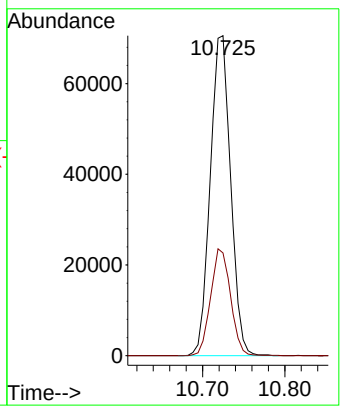





#57
1,3-Dichloropropane
Concen: 56.213 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 76 Resp: 12145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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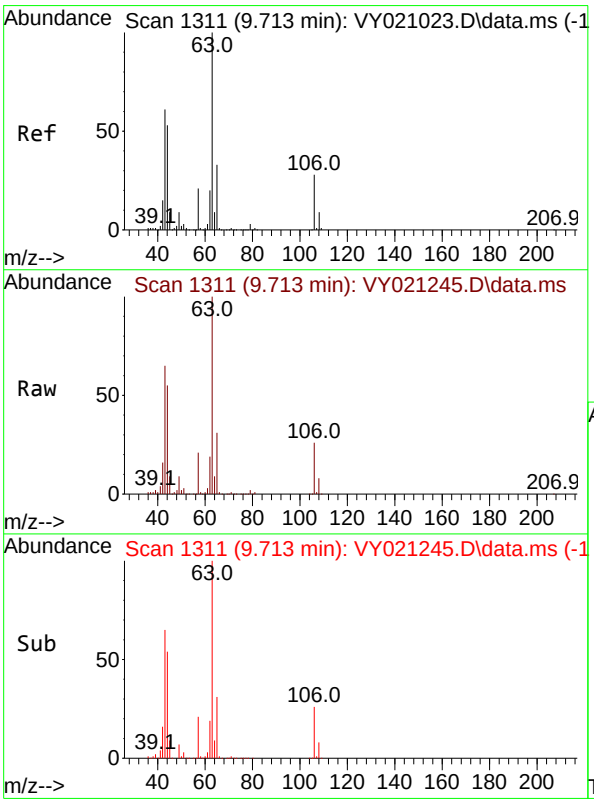
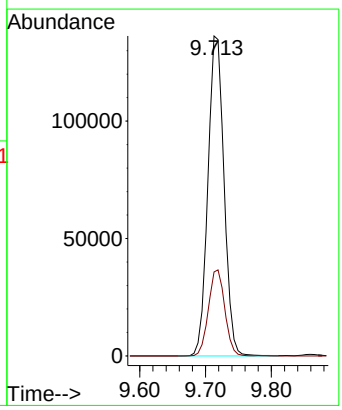
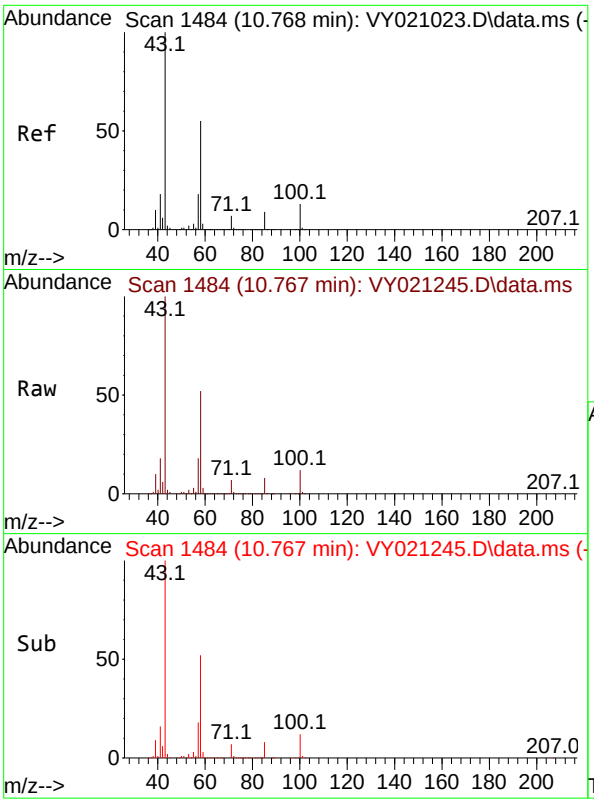



#58
2-Chloroethyl Vinyl ether
Concen: 292.814 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 63 Resp: 232635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 22.4 | 33.6 |

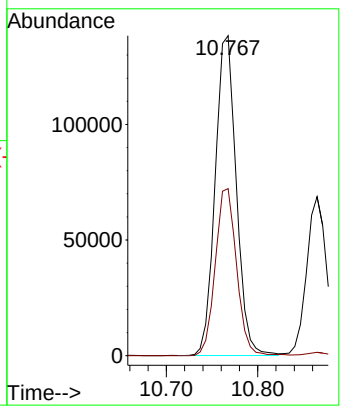





#59
2-Hexanone
Concen: 315.458 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 22254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.7 | 28.1 | 84.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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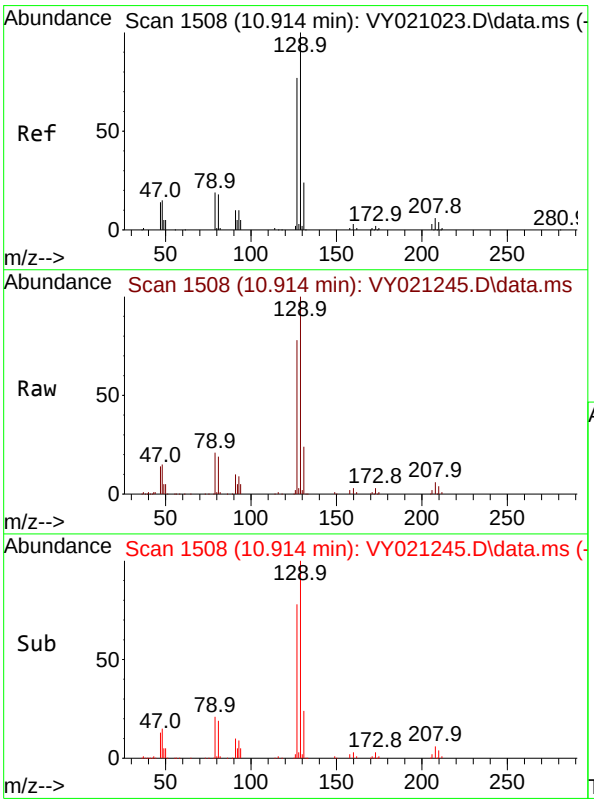
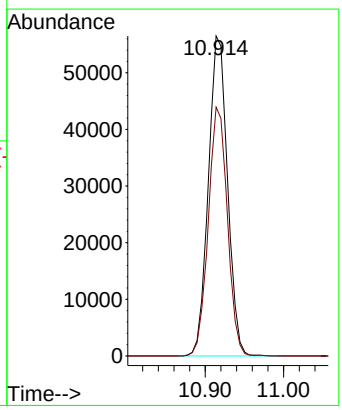
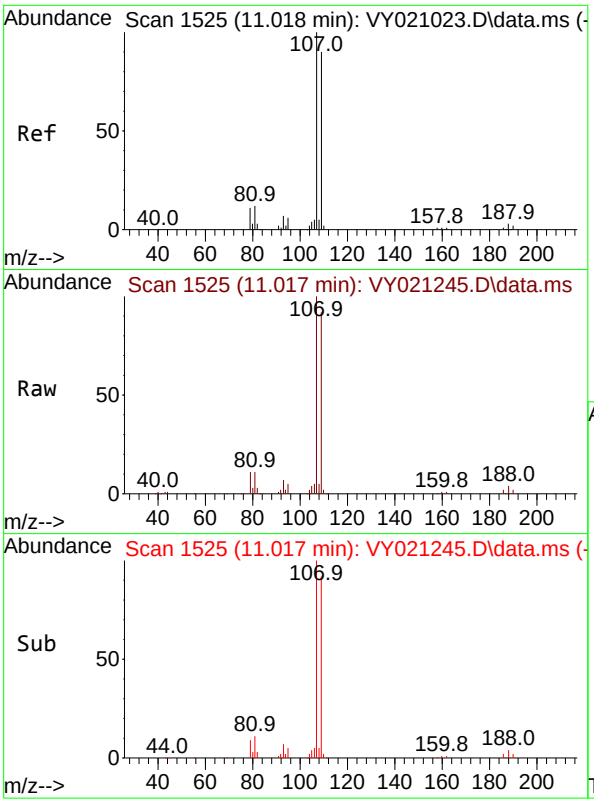



#60
Dibromochloromethane
Concen: 54.651 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:129 Resp: 95808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 39.2 | 117.6 |

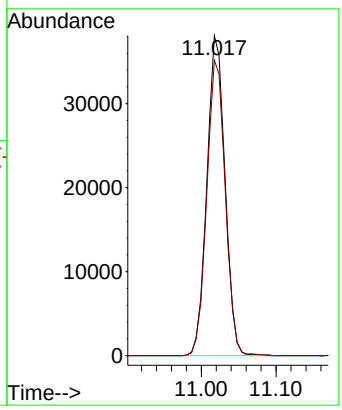





#61
1,2-Dibromoethane
Concen: 54.863 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:107 Resp: 6415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 75.4 | 113.2 |




**Instrument :**
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**ClientSampleId :**
VSTDCCC050EC

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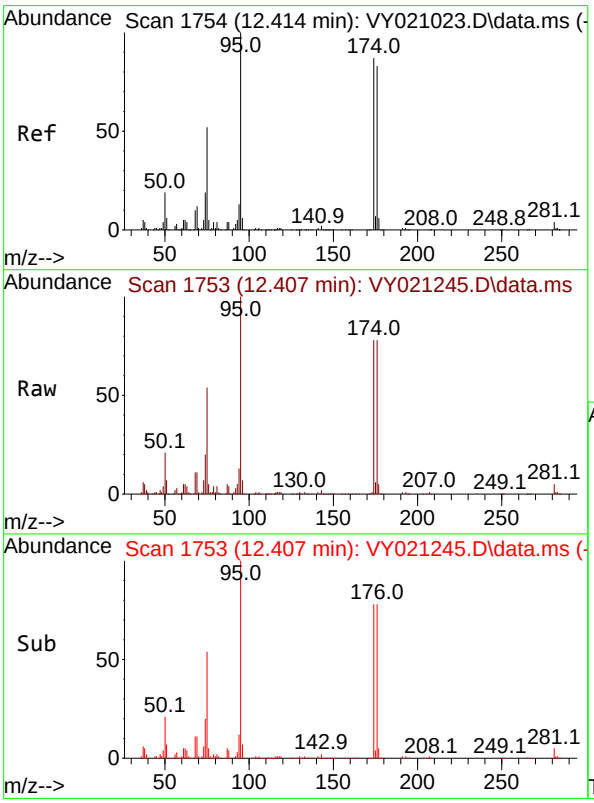
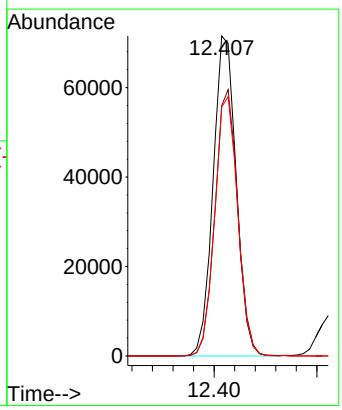
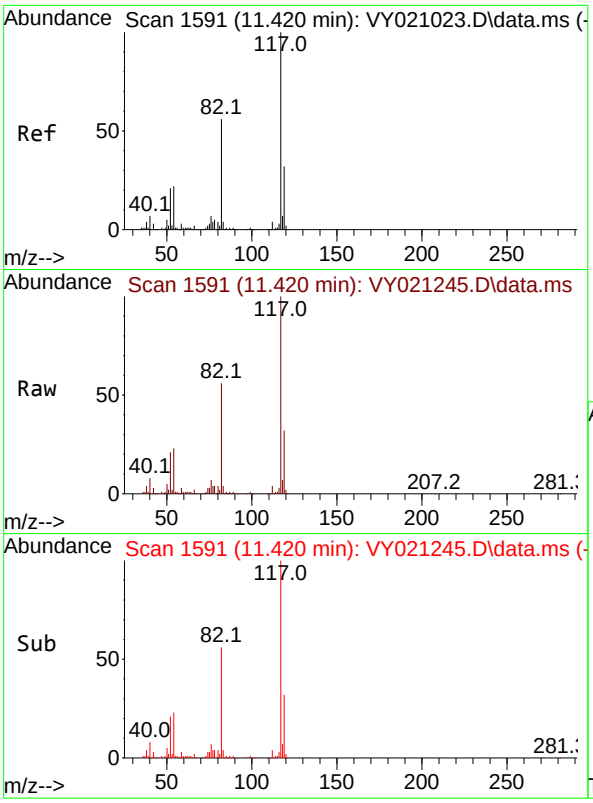



#62
4-Bromofluorobenzene
Concen: 53.035 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 95 Resp: 111317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.2 | 0.0 | 160.0 |
| 176 | 80.7 | 0.0 | 151.8 |

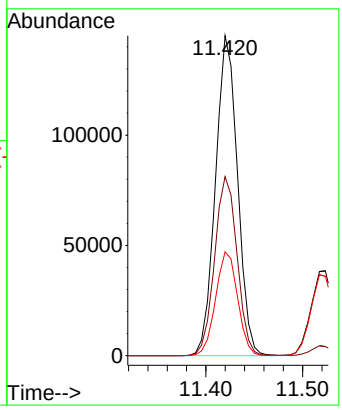





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:117 Resp: 22975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 43.8 | 65.8 |
| 119 | 32.5 | 26.5 | 39.7 |




**Instrument :**
MSVOA_Y
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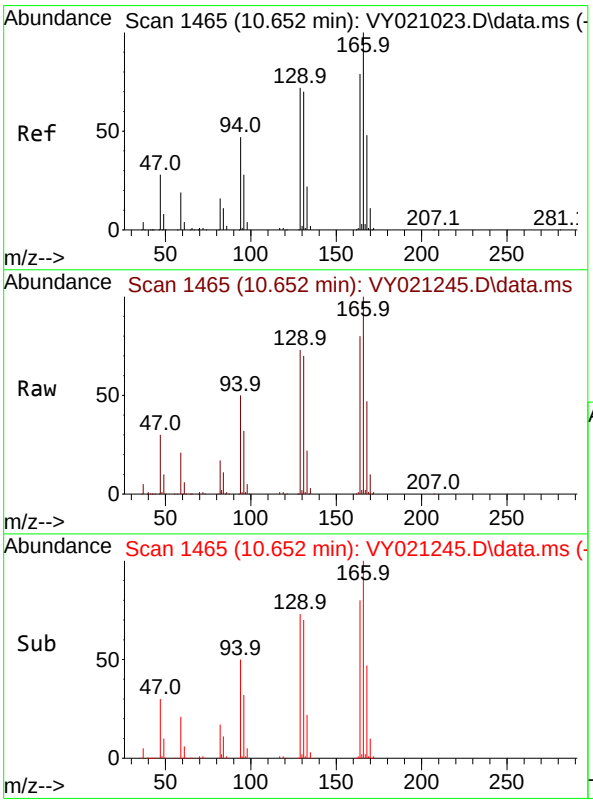
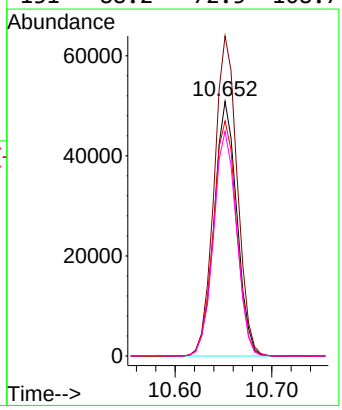
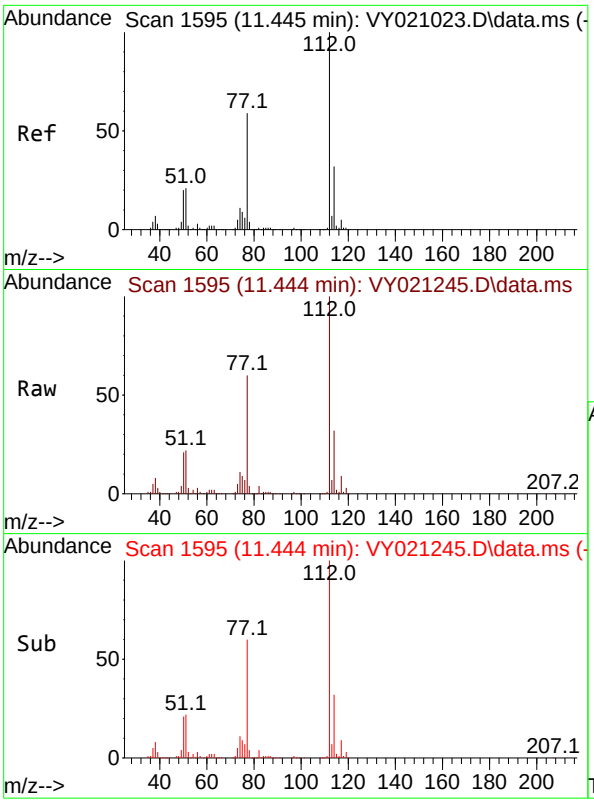



#64
Tetrachloroethene
Concen: 48.585 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:164 Resp: 82866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.7 | 98.8 | 148.2 |
| 129 | 92.3 | 78.9 | 118.3 |
| 131 | 88.2 | 72.5 | 108.7 |

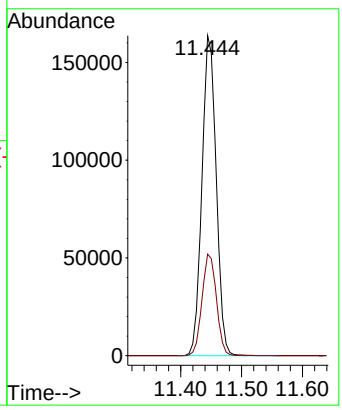





#65
Chlorobenzene
Concen: 52.099 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:112 Resp: 26653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 26.1 | 39.1 |

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MSVOA_Y
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VSTDCCC050EC

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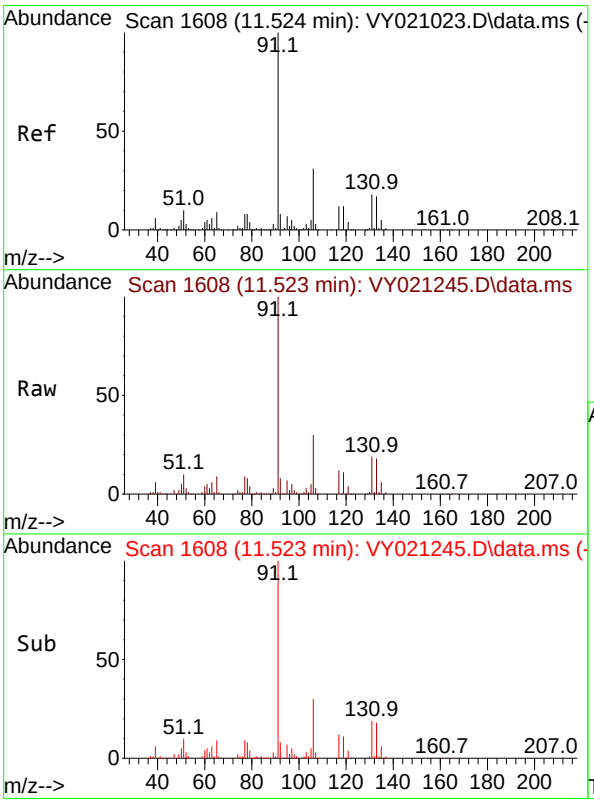
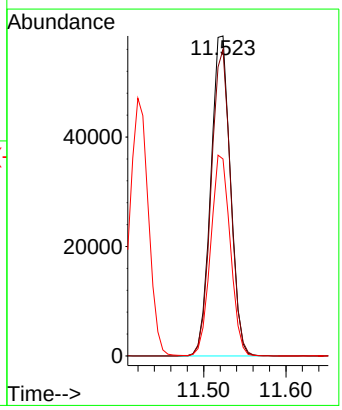
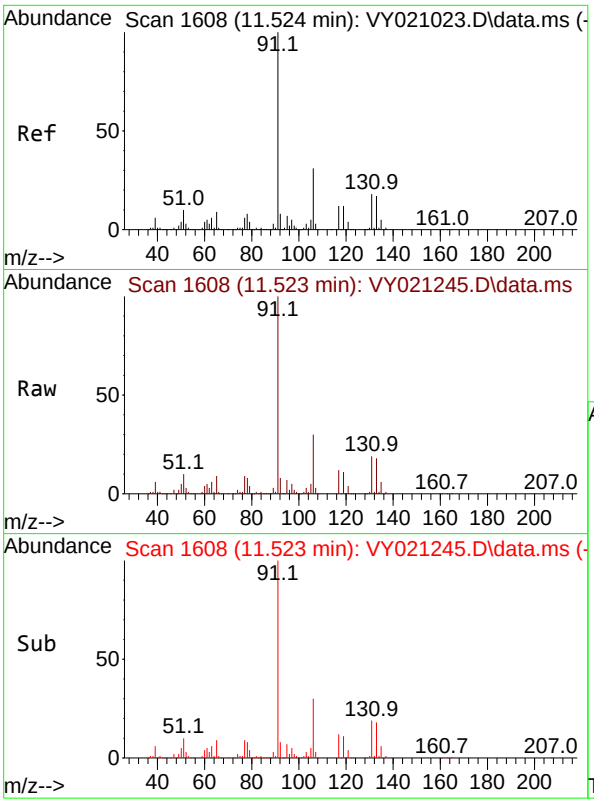



#66
1,1,1,2-Tetrachloroethane
Concen: 53.372 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:131 Resp: 97033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.1 | 47.0 | 141.0 |
| 119 | 63.1 | 33.3 | 99.9 |

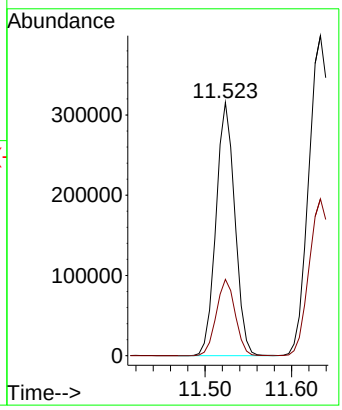





#67
Ethyl Benzene
Concen: 52.665 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 47655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 25.0 | 37.4 |

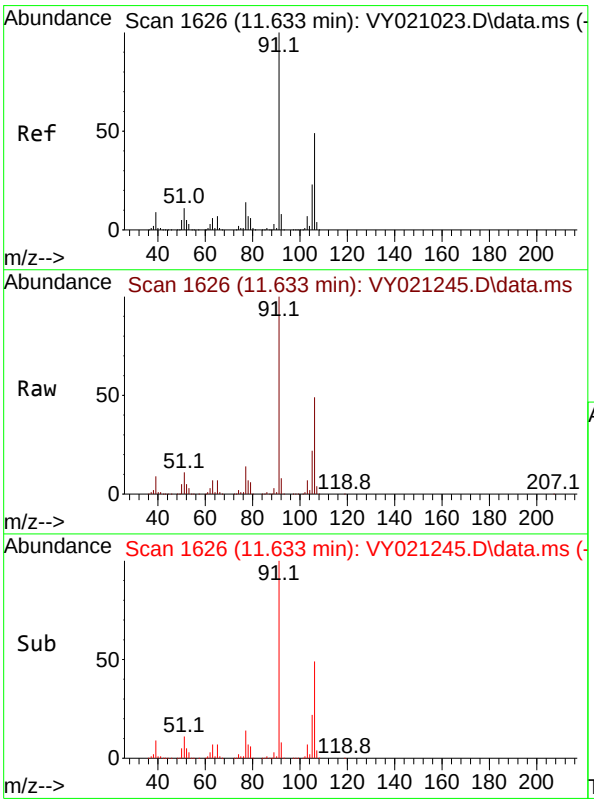



**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
02/20/2025

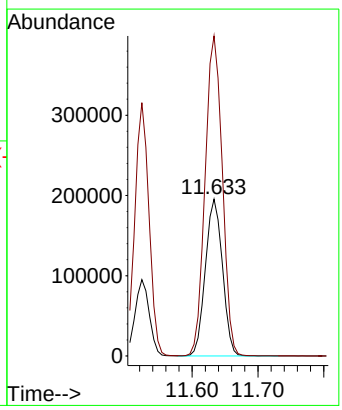
Supervised By :Mahesh Dadoda
02/20/2025

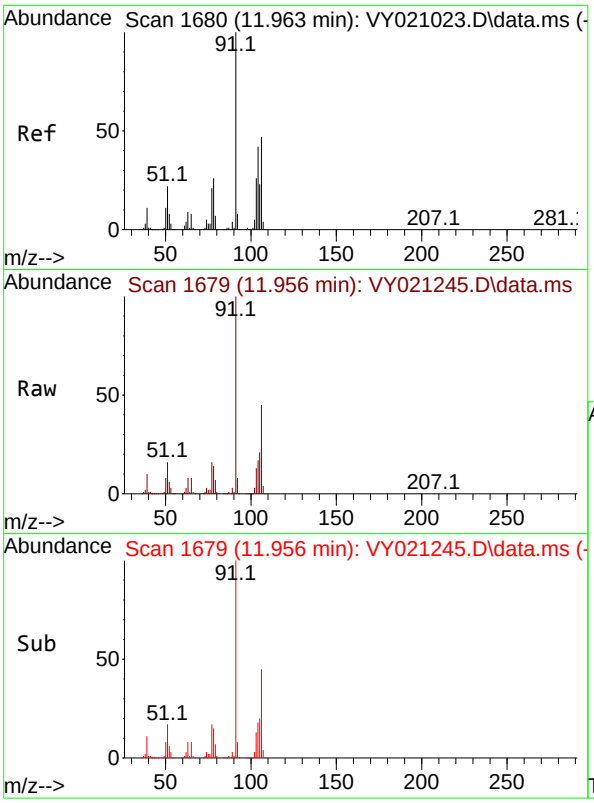



#68
m/p-Xylenes
Concen: 104.209 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:106 Resp: 352761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.4 | 160.7 | 241.1 |

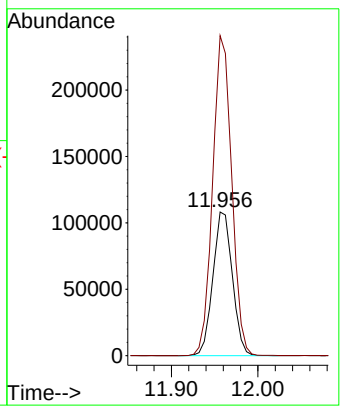





#69
o-Xylene
Concen: 53.429 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:106 Resp: 16862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.2 | 106.5 | 319.5 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

**Manual Integrations APPROVED**

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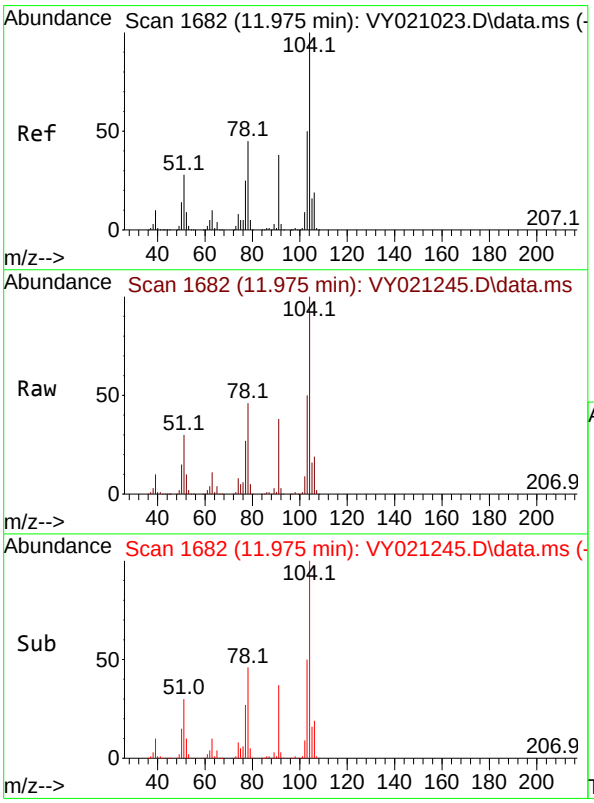
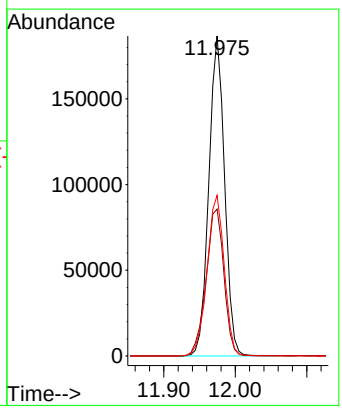
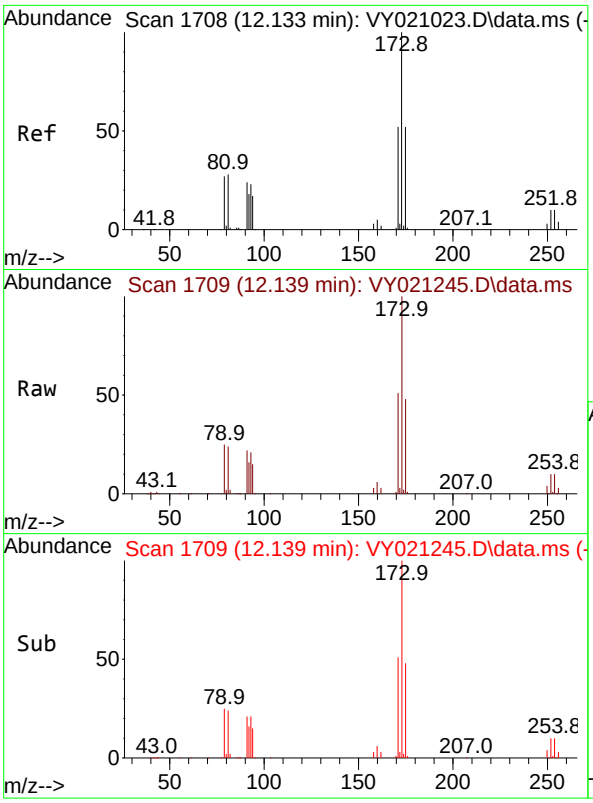



#70
Styrene
Concen: 54.365 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:104 Resp: 285969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.9 | 39.2 | 58.8 |
| 103 | 54.7 | 43.8 | 65.6 |

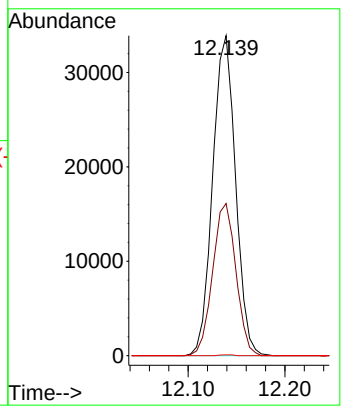





#71
Bromoform
Concen: 54.936 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:173 Resp: 5559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 23.5 | 70.6 |
| 254 | 0.2 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

**Manual Integrations APPROVED**
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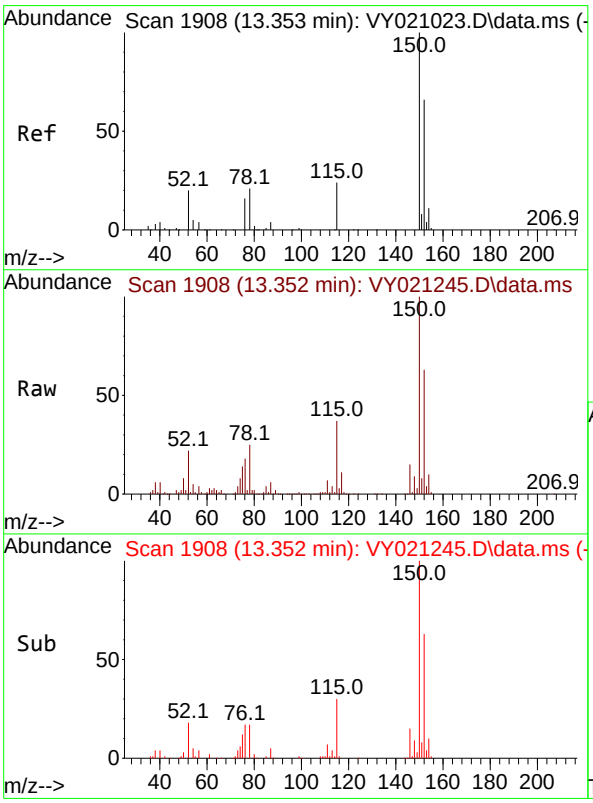
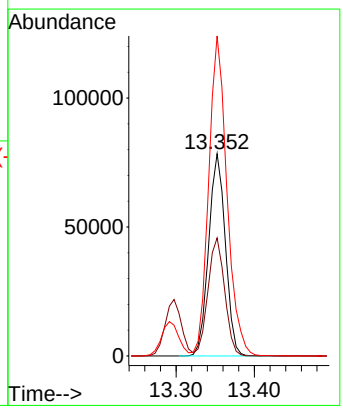
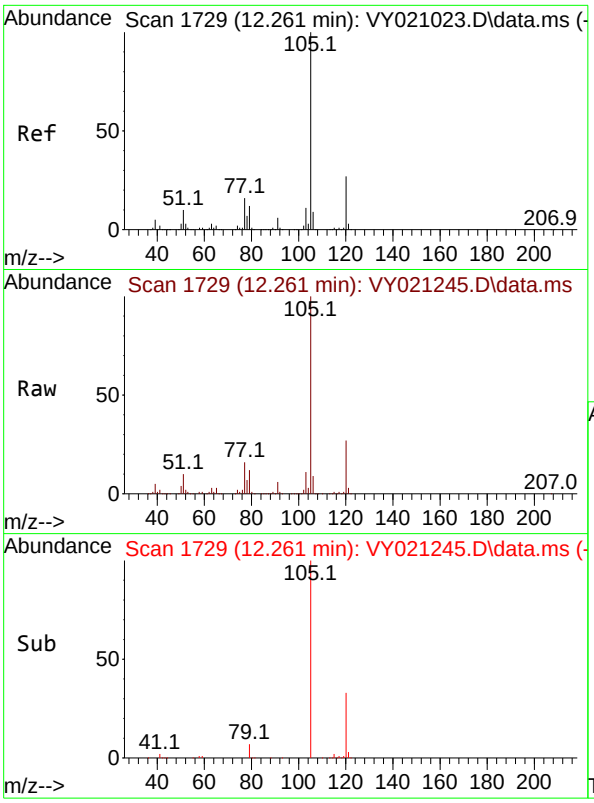



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:152 Resp: 116229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.4 | 30.0 | 90.0 |
| 150 | 172.9 | 0.0 | 344.6 |

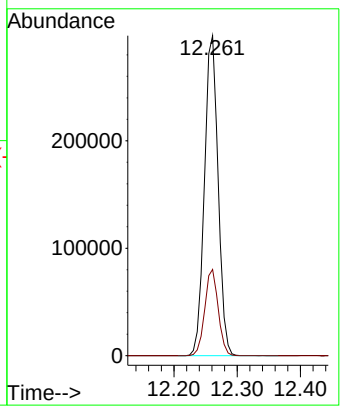





#73
Isopropylbenzene
Concen: 49.326 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 44783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.0 | 39.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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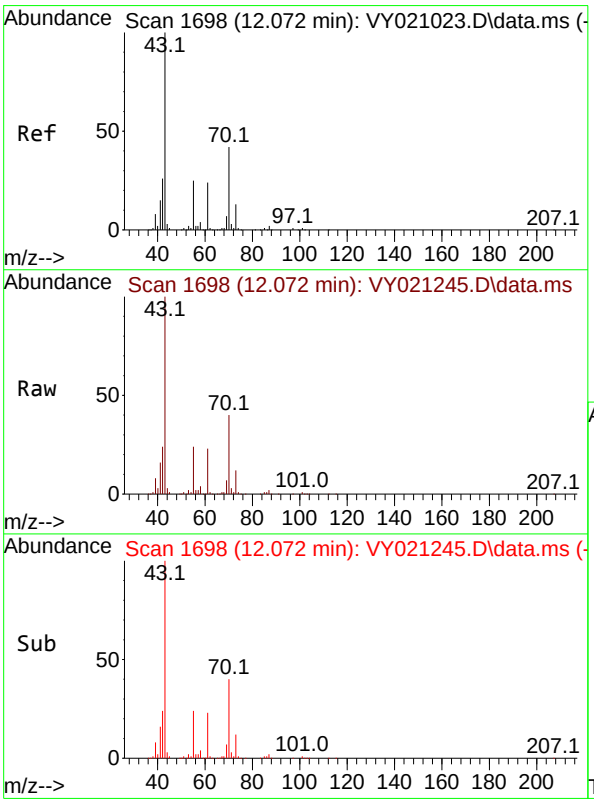
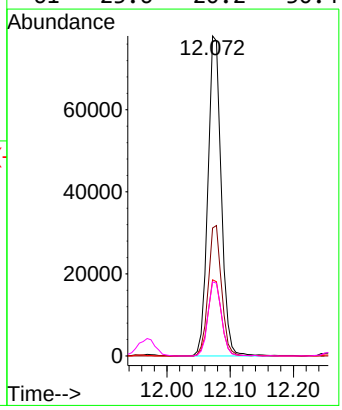
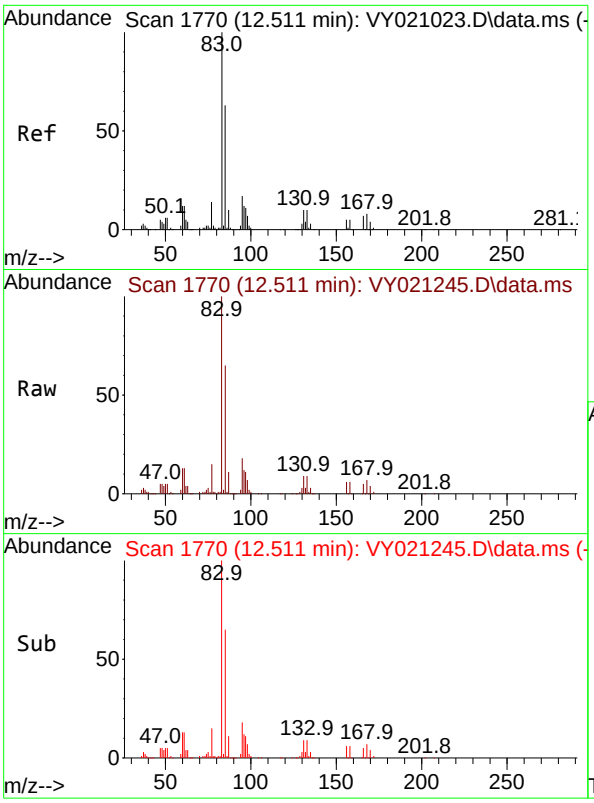



#74
N-amyl acetate
Concen: 57.796 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 114723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.6 | 36.6 | 55.0 |
| 55 | 24.2 | 22.2 | 33.4 |
| 61 | 23.6 | 20.2 | 30.4 |

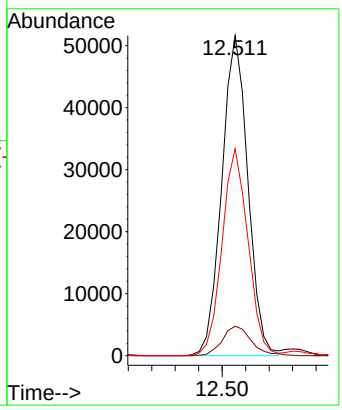





#75
1,1,2,2-Tetrachloroethane
Concen: 52.644 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 83 Resp: 7949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 4.9 | 14.6 |
| 85 | 64.2 | 32.6 | 98.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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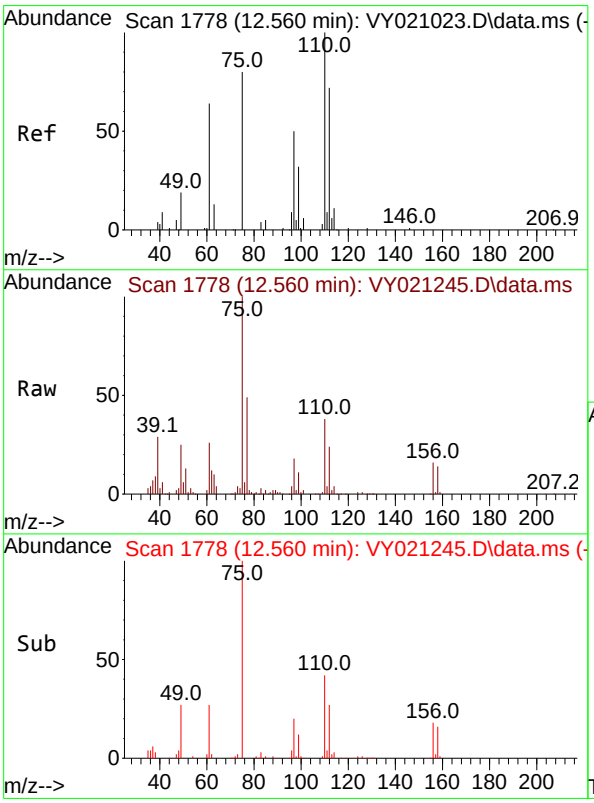
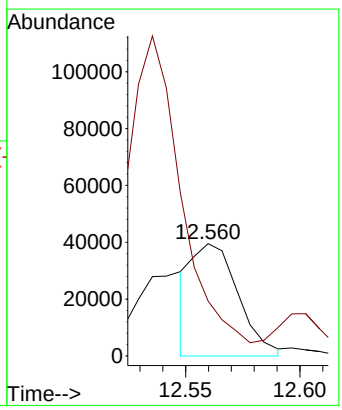
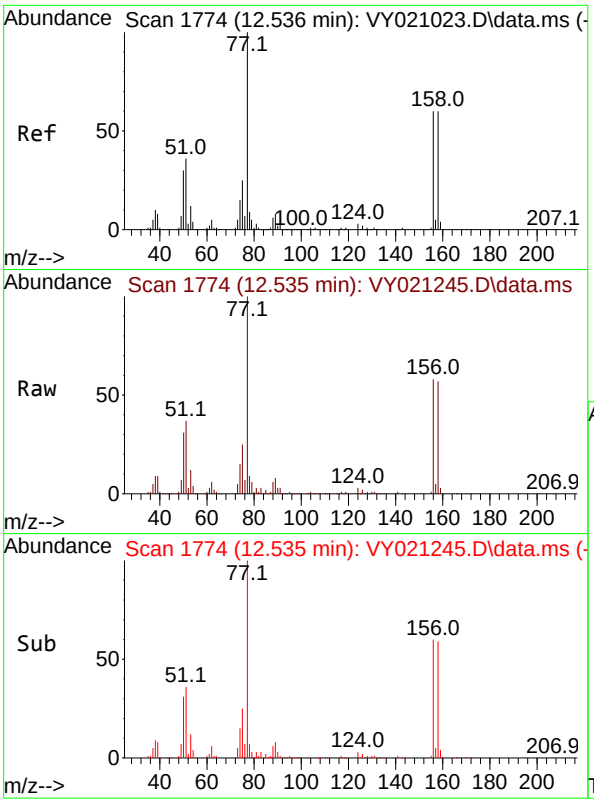



#76
1,2,3-Trichloropropane
Concen: 53.308 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 56205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

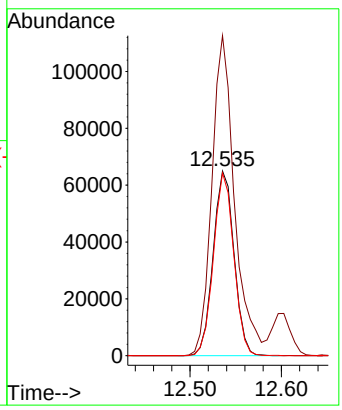





#77
Bromobenzene
Concen: 49.169 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:156 Resp: 10301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.9 | 97.3 | 291.8 |
| 158 | 96.5 | 48.4 | 145.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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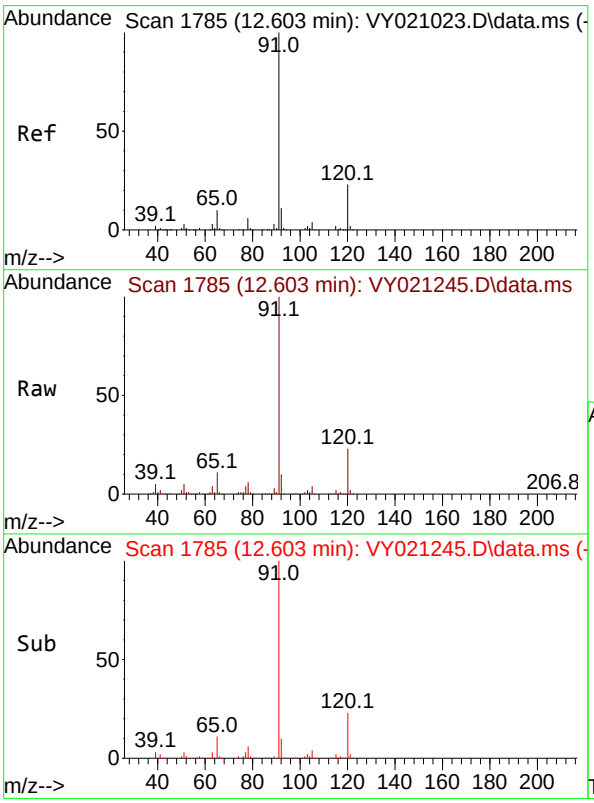
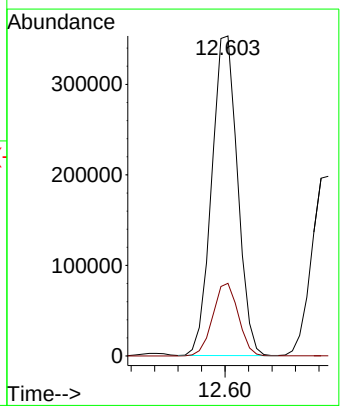
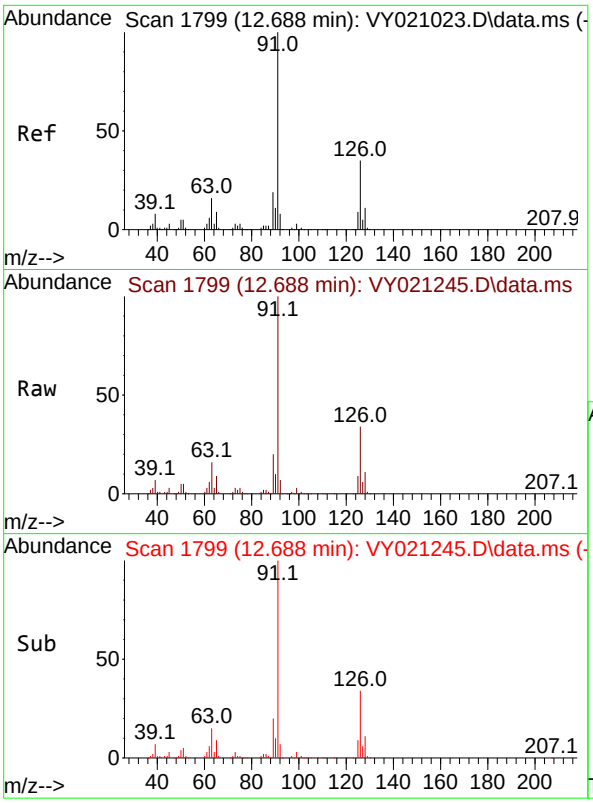



#78
n-propylbenzene
Concen: 49.878 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 539445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.0 | 33.0 |

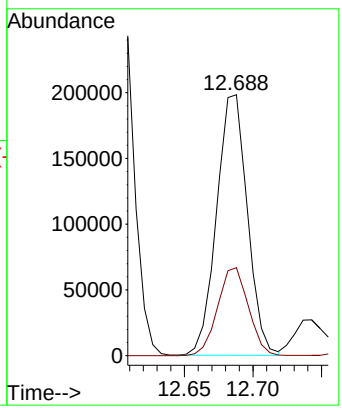





#79
2-Chlorotoluene
Concen: 50.023 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 30986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 17.0 | 51.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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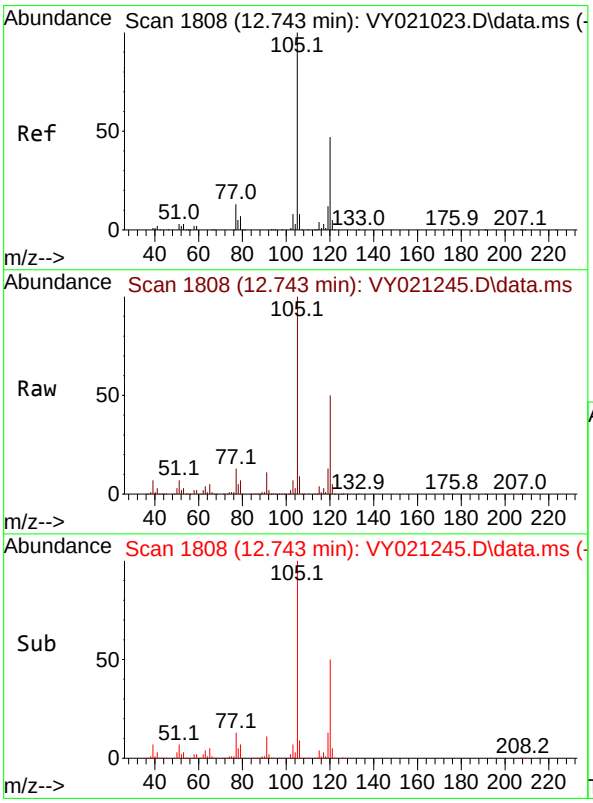
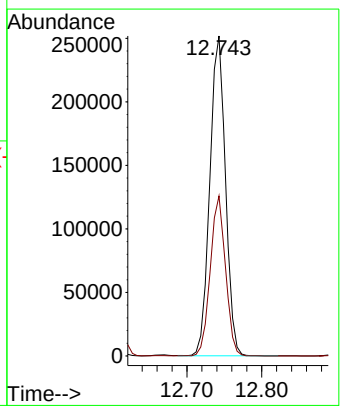
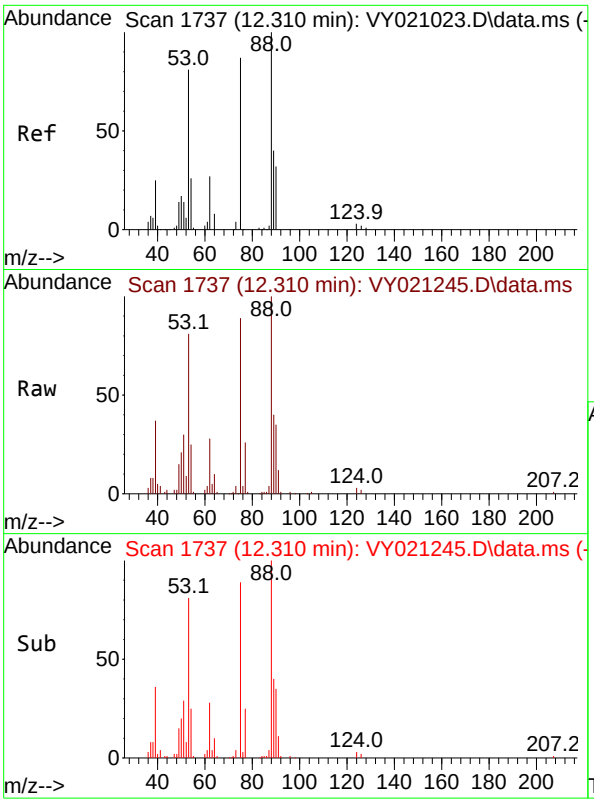



#80
1,3,5-Trimethylbenzene
Concen: 49.680 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 365700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.7 | 24.3 | 72.8 |

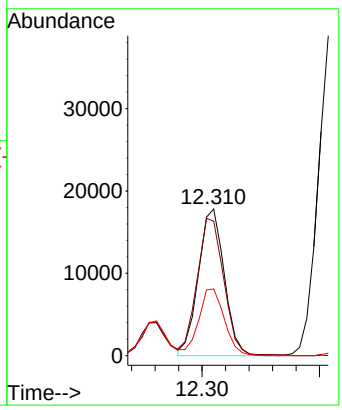





#81
trans-1,4-Dichloro-2-butene
Concen: 52.896 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 2733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 96.9 | 74.0 | 111.0 |
| 89 | 45.4 | 36.5 | 54.7 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

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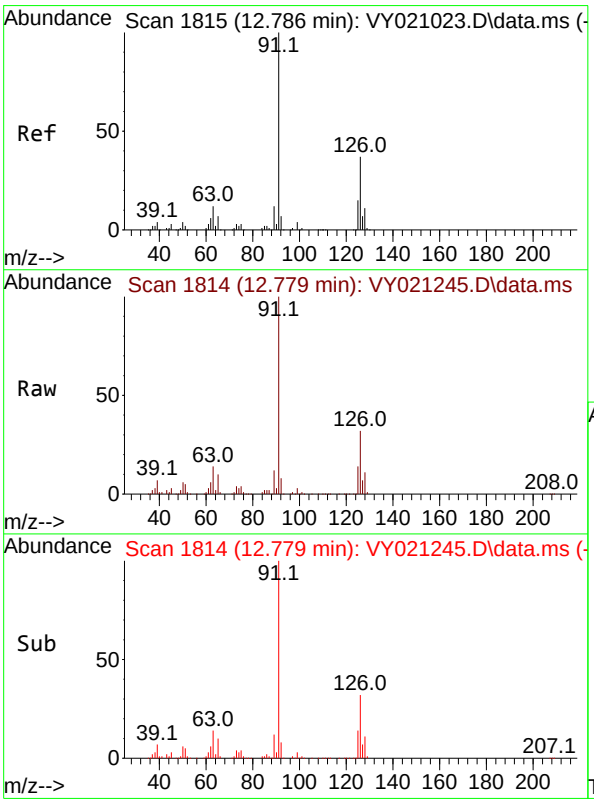
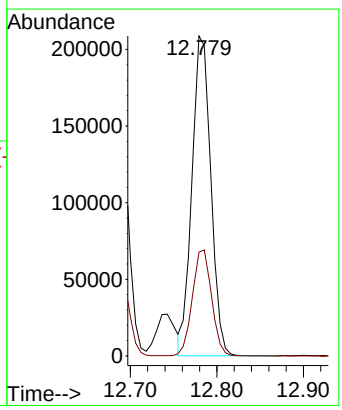
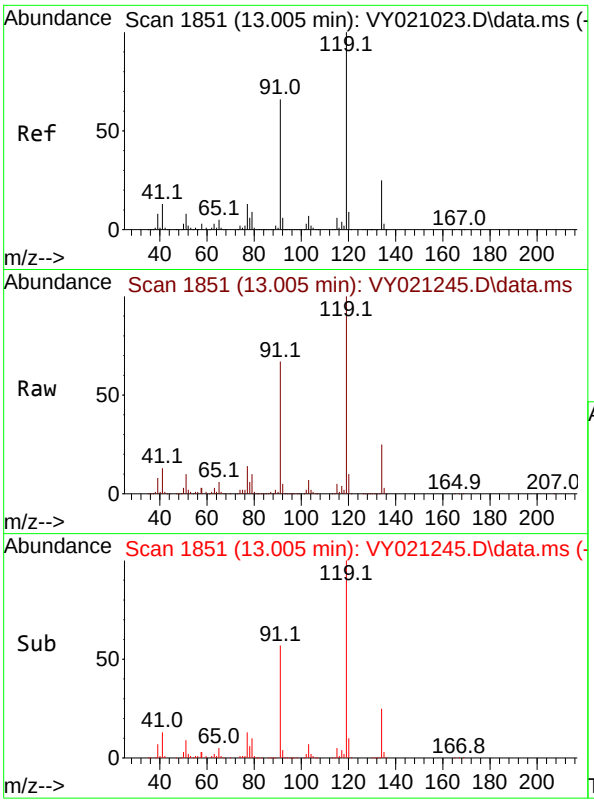



#82
4-Chlorotoluene
Concen: 50.148 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 316493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 17.1 | 51.2 |

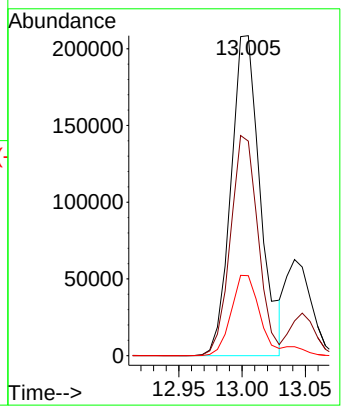





#83
tert-Butylbenzene
Concen: 50.321 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:119 Resp: 33669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.0 | 31.5 | 94.5 |
| 134 | 26.3 | 13.1 | 39.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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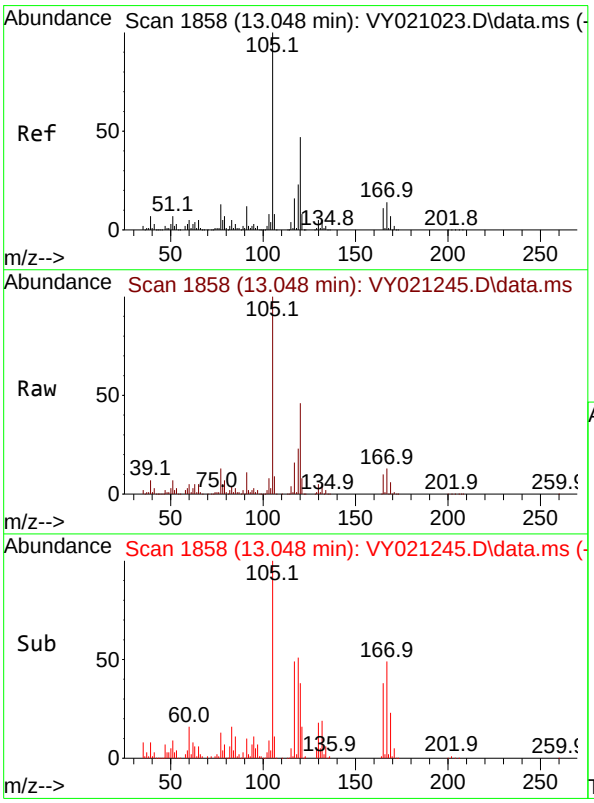
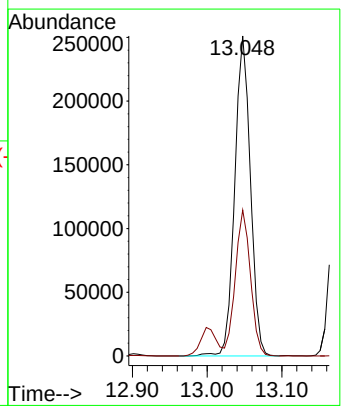
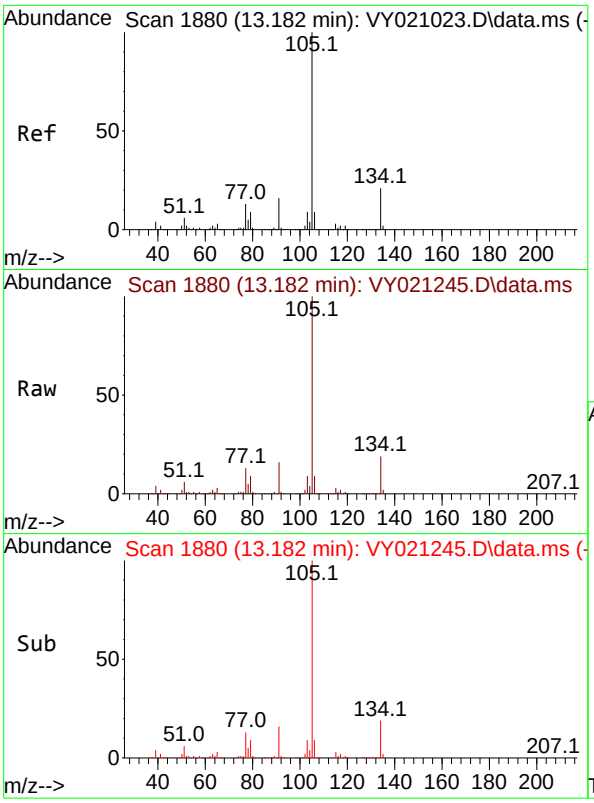



#84
1,2,4-Trimethylbenzene
Concen: 50.704 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 364939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.3 |

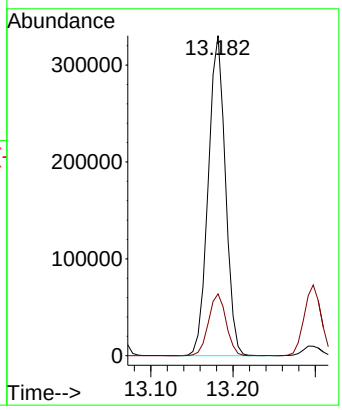





#85
sec-Butylbenzene
Concen: 49.704 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 47871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.7 | 28.9 |

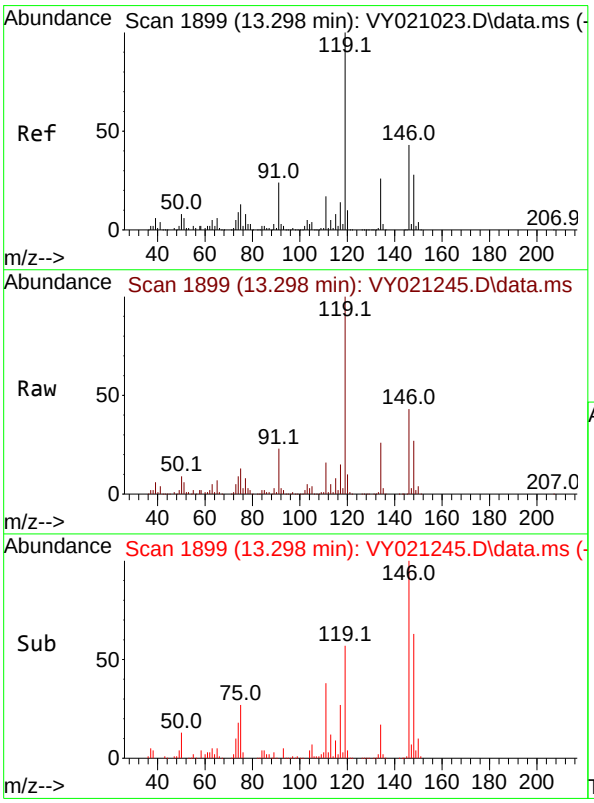



**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
02/20/2025

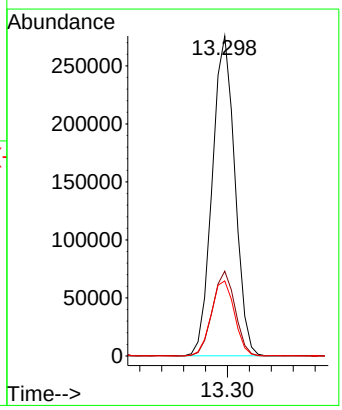
Supervised By :Mahesh Dadoda
02/20/2025

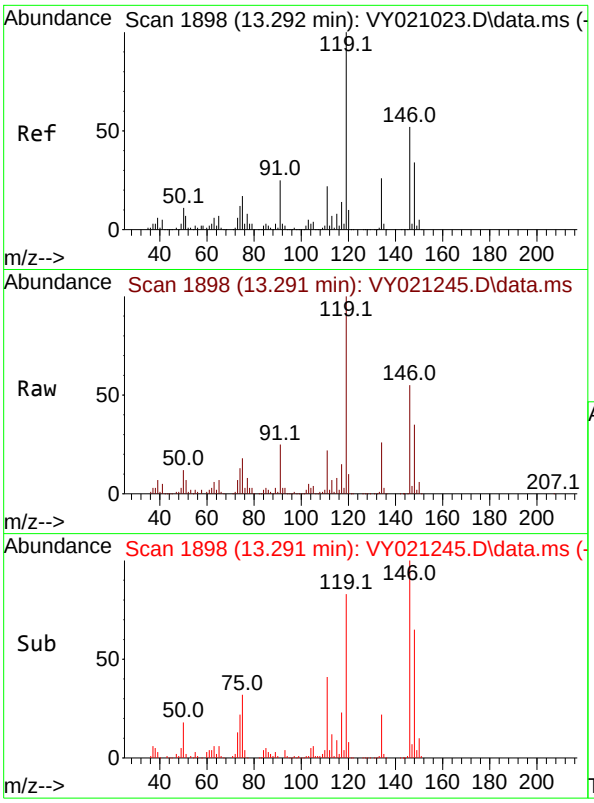



#86
p-Isopropyltoluene
Concen: 49.440 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:119 Resp: 395546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.4 | 13.1 | 39.1 |
| 91 | 24.1 | 11.7 | 35.0 |

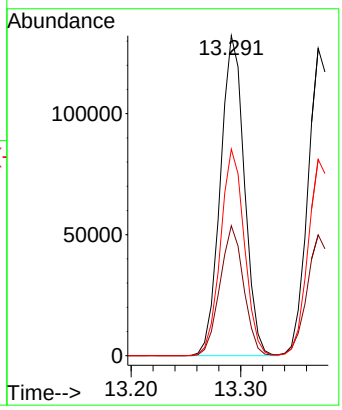





#87
1,3-Dichlorobenzene
Concen: 49.722 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:146 Resp: 20114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.2 | 60.5 |
| 148 | 64.0 | 31.9 | 95.9 |

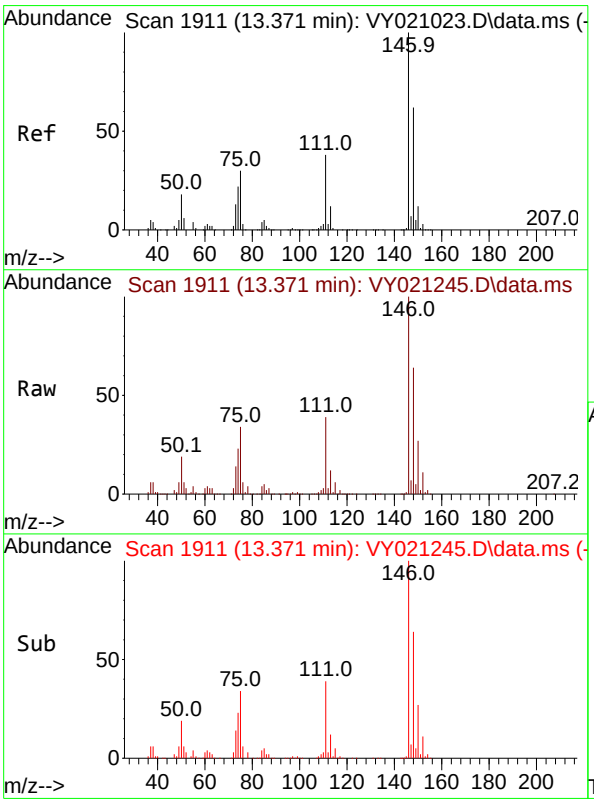



**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
02/20/2025

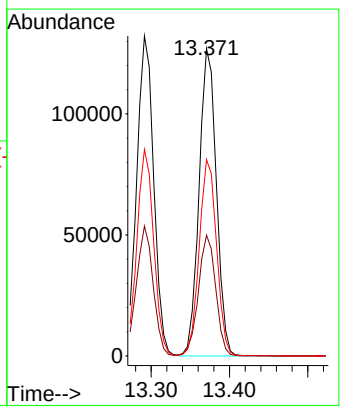
Supervised By :Mahesh Dadoda
02/20/2025

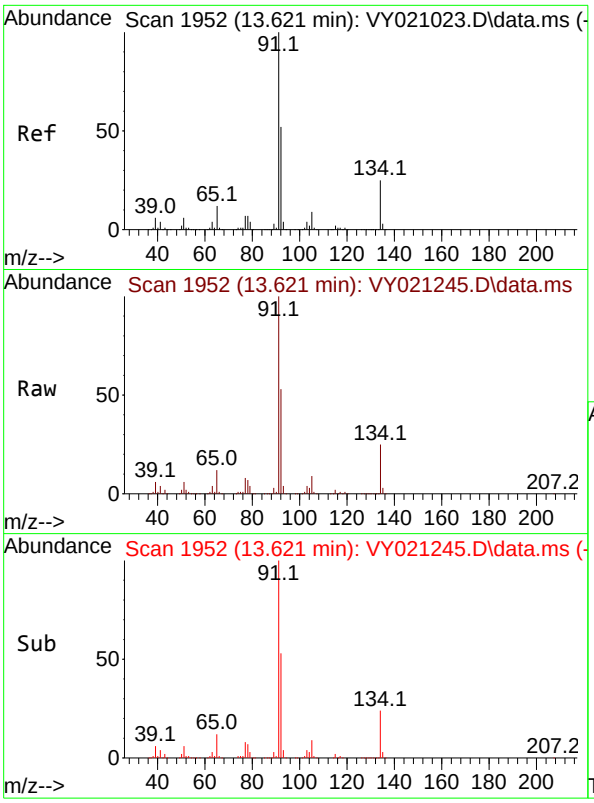



#88
1,4-Dichlorobenzene
Concen: 48.925 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:146 Resp: 194880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.3 | 19.3 | 57.9 |
| 148 | 64.2 | 31.6 | 94.7 |

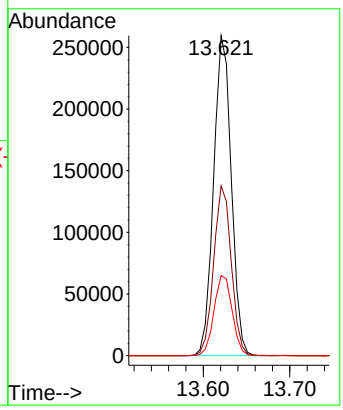





#89
n-Butylbenzene
Concen: 50.435 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 36810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.4 | 79.2 |
| 134 | 25.8 | 12.3 | 36.8 |

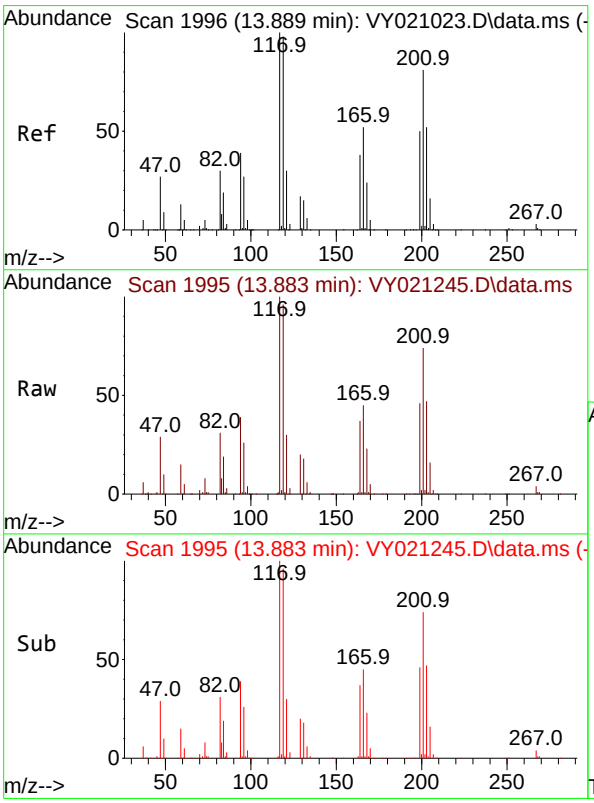



**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
02/20/2025

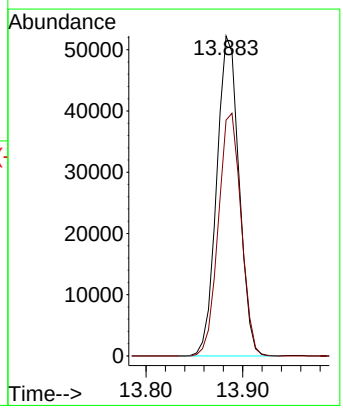
Supervised By :Mahesh Dadoda
02/20/2025

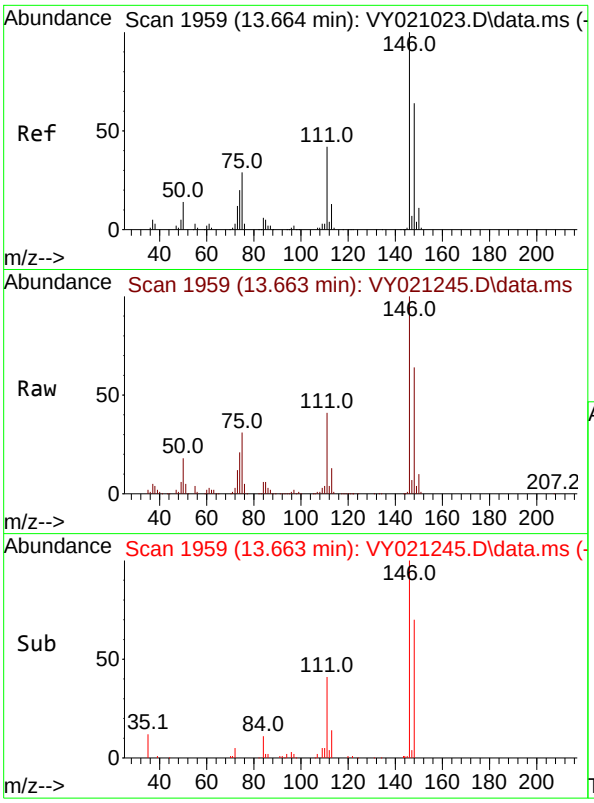



#90
Hexachloroethane
Concen: 50.100 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:117 Resp: 83620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 77.3 | 33.4 | 100.1 |

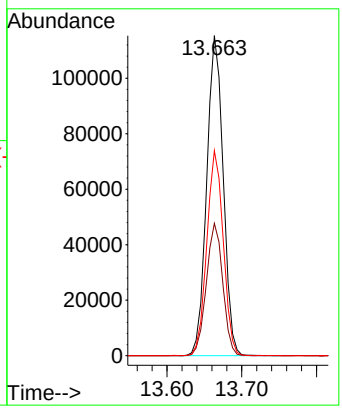





#91
1,2-Dichlorobenzene
Concen: 50.301 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:146 Resp: 17661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.5 | 61.6 |
| 148 | 63.9 | 31.4 | 94.3 |

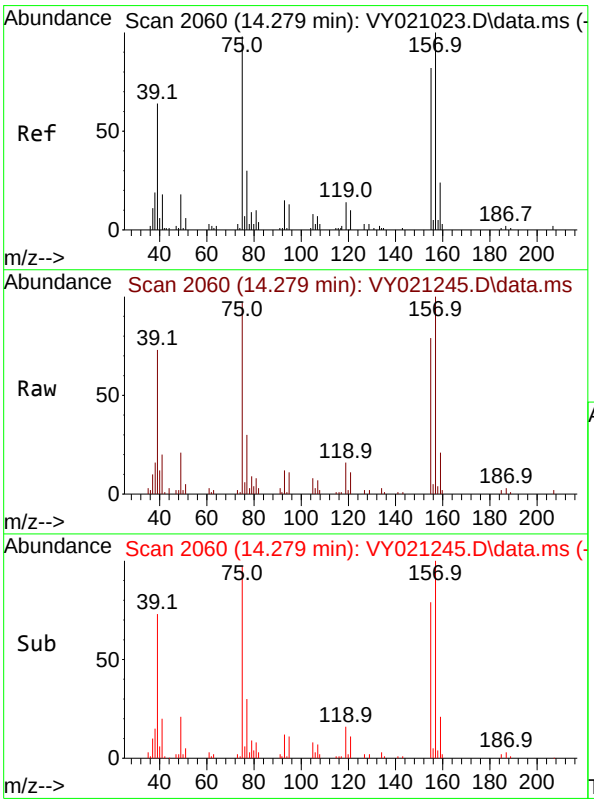



**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
02/20/2025

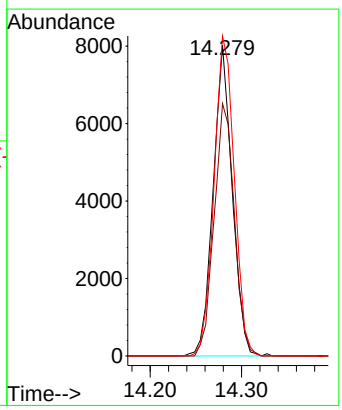
Supervised By :Mahesh Dadoda
02/20/2025

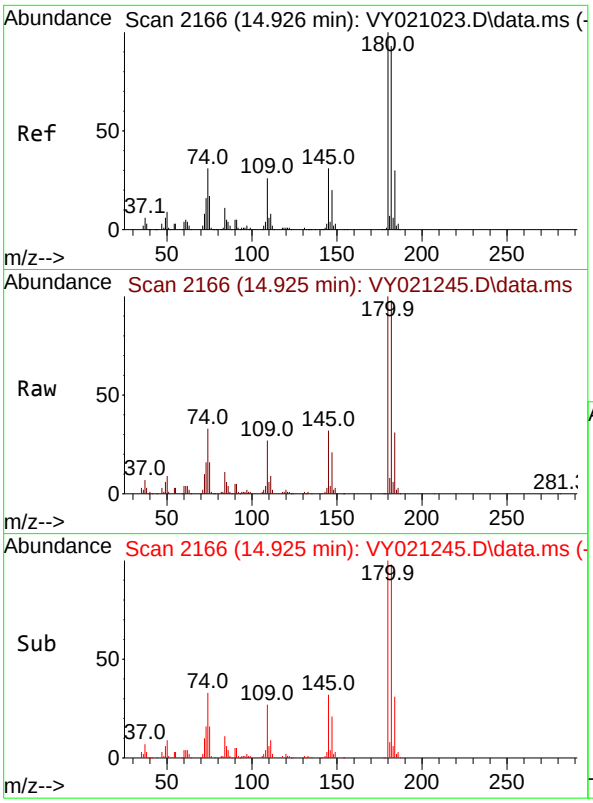



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.546 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 11631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.2 | 42.1 | 126.3 |
| 157 | 109.3 | 55.8 | 167.4 |

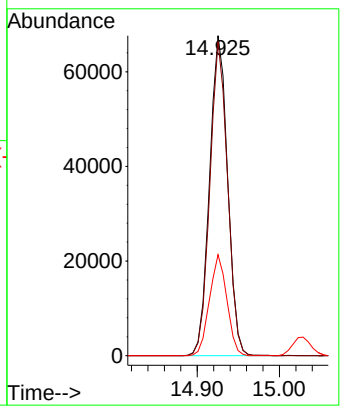





#93
1,2,4-Trichlorobenzene
Concen: 52.893 ug/l
RT: 14.925 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:180 Resp: 10337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 47.9 | 143.7 |
| 145 | 30.3 | 15.9 | 47.7 |

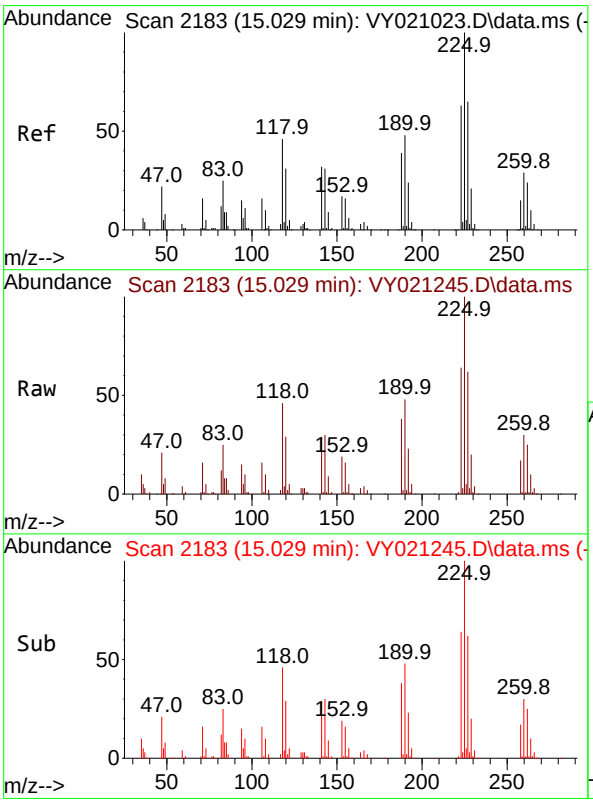



**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel
02/20/2025

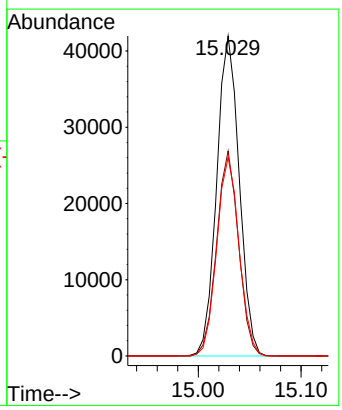
Supervised By :Mahesh Dadoda
02/20/2025

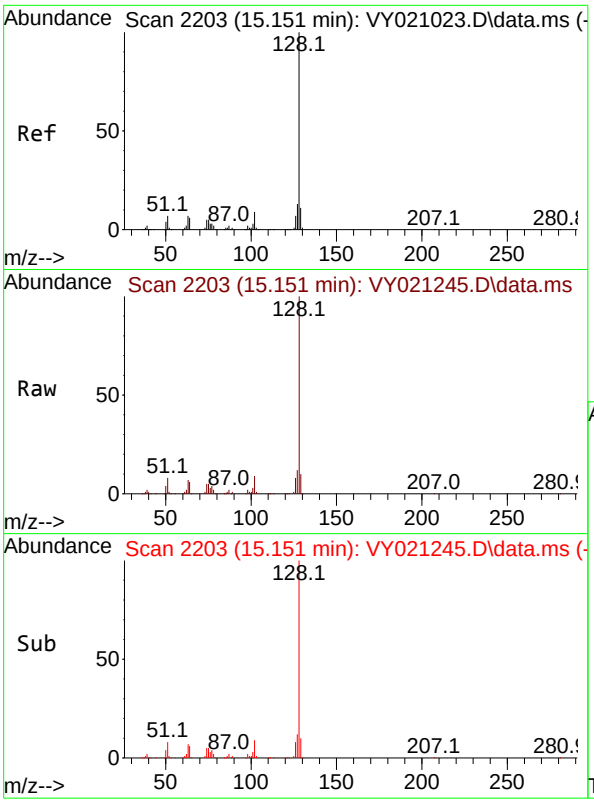



#94
Hexachlorobutadiene
Concen: 49.312 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:225 Resp: 63868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.2 | 31.4 | 94.3 |
| 227 | 61.5 | 32.3 | 96.8 |

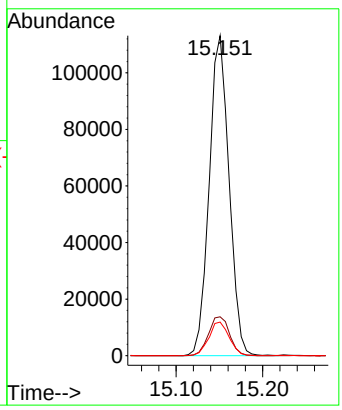





#95
Naphthalene
Concen: 57.663 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

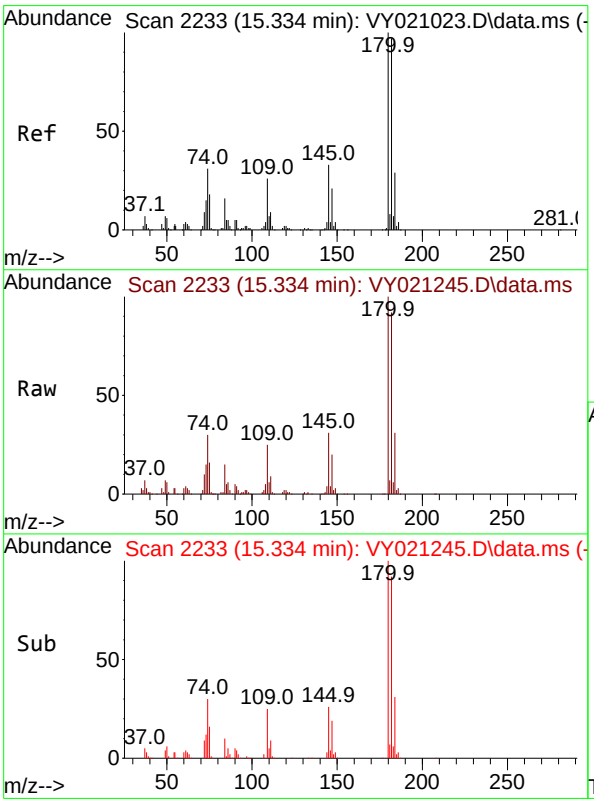
Tgt Ion:128 Resp: 18030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.4 |
| 129 | 10.8 | 8.6 | 12.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

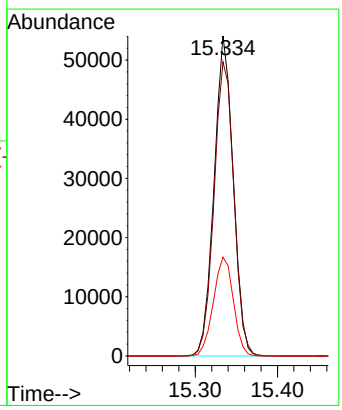
**Manual Integrations APPROVED**
Reviewed By :Romaben Patel
02/20/2025
Supervised By :Mahesh Dadoda
02/20/2025




#96
1,2,3-Trichlorobenzene
Concen: 53.891 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:180 Resp: 87654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 46.3 | 138.8 |
| 145 | 32.2 | 16.1 | 48.2 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.446 | 0.412 | 7.6 | 83 | 0.00 |
| 3 | P | Chloromethane | 0.440 | 0.469 | -6.6 | 100 | 0.00 |
| 4 | C | Vinyl Chloride | 0.443 | 0.496 | -12.0# | 105 | 0.00 |
| 5 | T | Bromomethane | 0.274 | 0.311 | -13.5 | 108 | 0.00 |
| 6 | T | Chloroethane | 0.263 | 0.322 | -22.4 | 113 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.806 | 0.844 | -4.7 | 96 | 0.00 |
| 8 | T | Diethyl Ether | 0.252 | 0.282 | -11.9 | 104 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.506 | 0.518 | -2.4 | 94 | 0.00 |
| 10 | T | Methyl Iodide | 0.562 | 0.582 | -3.6 | 89 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.035 | 0.037 | -5.7 | 104 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.477 | 0.484 | -1.5# | 92 | 0.00 |
| 13 | T | Acrolein | 0.053 | 0.041 | 22.6 | 70 | 0.00 |
| 14 | T | Allyl chloride | 0.803 | 0.893 | -11.2 | 100 | 0.00 |
| 15 | T | Acrylonitrile | 0.105 | 0.127 | -21.0 | 107 | 0.00 |
| 16 | T | Acetone | 0.080 | 0.095 | -18.8 | 109 | 0.00 |
| 17 | T | Carbon Disulfide | 1.495 | 1.357 | 9.2 | 82 | 0.00 |
| 18 | T | Methyl Acetate | 0.280 | 0.371 | -32.5# | 115 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.205 | 1.416 | -17.5 | 104 | 0.00 |
| 20 | T | Methylene Chloride | 0.497 | 0.568 | -14.3 | 105 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.525 | 0.540 | -2.9 | 92 | 0.00 |
| 22 | T | Diisopropyl ether | 1.656 | 1.988 | -20.0 | 107 | 0.00 |
| 23 | T | Vinyl Acetate | 0.923 | 1.102 | -19.4 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.970 | 1.082 | -11.5 | 102 | 0.00 |
| 25 | T | 2-Butanone | 0.131 | 0.161 | -22.9 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.898 | 0.928 | -3.3 | 95 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.604 | 0.666 | -10.3 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 0.384 | 0.438 | -14.1 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.089 | 0.109 | -22.5 | 106 | 0.00 |
| 30 | C | Chloroform | 0.997 | 1.114 | -11.7# | 101 | 0.00 |
| 31 | T | Cyclohexane | 0.874 | 0.851 | 2.6 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.927 | 0.983 | -6.0 | 96 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.512 | 0.533 | -4.1 | 95 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.320 | 0.323 | -0.9 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.475 | 0.475 | 0.0 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 0.208 | 0.246 | -18.3 | 108 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.555 | 0.556 | -0.2 | 94 | 0.00 |
| 39 | T | Methylcyclohexane | 0.581 | 0.577 | 0.7 | 90 | 0.00 |
| 40 | TM | Benzene | 1.393 | 1.472 | -5.7 | 98 | 0.00 |
| 41 | T | Methacrylonitrile | 0.120 | 0.144 | -20.0 | 120 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.386 | 0.422 | -9.3 | 103 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.414 | 0.489 | -18.1 | 107 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.362 | -0.6 | 96 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.331 | 0.367 | -10.9# | 103 | 0.00 |
| 46 | T | Dibromomethane | 0.183 | 0.198 | -8.2 | 101 | 0.00 |
| 47 | T | Bromodichloromethane | 0.491 | 0.541 | -10.2 | 103 | 0.00 |
| 48 | T | Methyl methacrylate | 0.188 | 0.230 | -22.3 | 110 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 0.002 | 0.002 | 0.0 | 107 | 0.00 |
| 50 | S | Toluene-d8 | 1.220 | 1.195 | 2.0 | 92 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.208 | 0.254 | -22.1 | 108 | 0.00 |
| 52 | CM | Toluene | 0.875 | 0.924 | -5.6# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.441 | 0.497 | -12.7 | 102 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.522 | 0.577 | -10.5 | 101 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.237 | 0.265 | -11.8 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.317 | 0.383 | -20.8 | 104 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.410 | 0.461 | -12.4 | 103 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.151 | 0.177 | -17.2 | 104 | 0.00 |
| 59 | T | 2-Hexanone | 0.134 | 0.169 | -26.1# | 108 | 0.00 |
| 60 | T | Dibromochloromethane | 0.333 | 0.364 | -9.3 | 102 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.222 | 0.244 | -9.9 | 100 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.399 | 0.423 | -6.0 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 0.371 | 0.361 | 2.7 | 92 | 0.00 |
| 65 | PM | Chlorobenzene | 1.113 | 1.160 | -4.2 | 99 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.396 | 0.422 | -6.6 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 1.969 | 2.074 | -5.3# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 0.737 | 0.768 | -4.2 | 96 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.734 | -6.8 | 99 | 0.00 |
| 70 | T | Styrene | 1.145 | 1.245 | -8.7 | 99 | 0.00 |
| 71 | P | Bromoform | 0.220 | 0.242 | -10.0 | 103 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 3.906 | 3.853 | 1.4 | 97 | 0.00 |
| 74 | T | N-amyl acetate | 0.854 | 0.987 | -15.6 | 107 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.650 | 0.684 | -5.2 | 104 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.454 | 0.484 | -6.6 | 101 | 0.00 |
| 77 | T | Bromobenzene | 0.901 | 0.886 | 1.7 | 98 | 0.00 |
| 78 | T | n-propylbenzene | 4.653 | 4.641 | 0.3 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.665 | 2.666 | -0.0 | 99 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.167 | 3.146 | 0.7 | 97 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.222 | 0.235 | -5.9 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.715 | 2.723 | -0.3 | 100 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.878 | 2.897 | -0.7 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.096 | 3.140 | -1.4 | 99 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.143 | 4.119 | 0.6 | 98 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.442 | 3.403 | 1.1 | 96 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.740 | 1.731 | 0.5 | 99 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.714 | 1.677 | 2.2 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 3.140 | 3.167 | -0.9 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 0.718 | 0.719 | -0.1 | 99 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.510 | 1.520 | -0.7 | 100 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.097 | 0.100 | -3.1 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.841 | 0.889 | -5.7 | 98 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.557 | 0.550 | 1.3 | 95 | 0.00 |
| 95 | T | Naphthalene | 1.345 | 1.551 | -15.3 | 100 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 0.700 | 0.754 | -7.7 | 99 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.207 | 7.6 | 83 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 53.350 | -6.7 | 100 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 55.997 | -12.0# | 105 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 56.877 | -13.8 | 108 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 61.081 | -22.2 | 113 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 52.345 | -4.7 | 96 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 56.045 | -12.1 | 104 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.211 | -2.4 | 94 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 51.770 | -3.5 | 89 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 266.519 | -6.6 | 104 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.767 | -1.5# | 92 | 0.00 |
| 13 | T | Acrolein | 250.000 | 192.376 | 23.0 | 70 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 55.595 | -11.2 | 100 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 303.821 | -21.5 | 107 | 0.00 |
| 16 | T | Acetone | 250.000 | 296.567 | -18.6 | 109 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 45.397 | 9.2 | 82 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 66.203 | -32.4# | 115 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 58.736 | -17.5 | 104 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 57.169 | -14.3 | 105 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.495 | -3.0 | 92 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 60.006 | -20.0 | 107 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 298.467 | -19.4 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 55.736 | -11.5 | 102 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 307.203 | -22.9 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.680 | -3.4 | 95 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 55.122 | -10.2 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 57.089 | -14.2 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 307.460 | -23.0 | 106 | 0.00 |
| 30 | C | Chloroform | 50.000 | 55.908 | -11.8# | 101 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.715 | 2.6 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.040 | -6.1 | 96 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.982 | -4.0 | 95 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.351 | -0.7 | 95 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.046 | -0.1 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 59.007 | -18.0 | 108 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.141 | -0.3 | 94 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.660 | 0.7 | 90 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.834 | -5.7 | 98 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 59.955 | -19.9 | 120 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.630 | -9.3 | 103 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 59.061 | -18.1 | 107 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.349 | -0.7 | 96 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 55.433 | -10.9# | 103 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.018 | -8.0 | 101 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 55.072 | -10.1 | 103 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 60.916 | -21.8 | 110 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 1192.209 | -19.2 | 107 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.967 | 2.1 | 92 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 305.302 | -22.1 | 108 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.845 | -5.7# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 56.333 | -12.7 | 102 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 55.321 | -10.6 | 101 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.990 | -12.0 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 60.418 | -20.8 | 104 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 56.213 | -12.4 | 103 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 292.814 | -17.1 | 104 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 315.458 | -26.2# | 108 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.651 | -9.3 | 102 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.863 | -9.7 | 100 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 53.035 | -6.1 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.585 | 2.8 | 92 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.099 | -4.2 | 99 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.372 | -6.7 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.665 | -5.3# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.209 | -4.2 | 96 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.429 | -6.9 | 99 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.365 | -8.7 | 99 | 0.00 |
| 71 | P | Bromoform | 50.000 | 54.936 | -9.9 | 103 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.326 | 1.3 | 97 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 57.796 | -15.6 | 107 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.644 | -5.3 | 104 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.308 | -6.6 | 101 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.169 | 1.7 | 98 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.878 | 0.2 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.023 | -0.0 | 99 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.680 | 0.6 | 97 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 52.896 | -5.8 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.148 | -0.3 | 100 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.321 | -0.6 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.704 | -1.4 | 99 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.704 | 0.6 | 98 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.440 | 1.1 | 96 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.722 | 0.6 | 99 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.925 | 2.2 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.435 | -0.9 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.100 | -0.2 | 99 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.301 | -0.6 | 100 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.546 | -3.1 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.893 | -5.8 | 98 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.312 | 1.4 | 95 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 57.663 | -15.3 | 100 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 53.891 | -7.8 | 99 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/21/2025 09:37

Lab File ID: VY021275.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.446 | 0.394 | | -11.66 | 20 |
| Chloromethane | 0.440 | 0.513 | 0.1 | 16.59 | 20 |
| Vinyl Chloride | 0.443 | 0.497 | | 12.19 | 20 |
| Bromomethane | 0.274 | 0.284 | | 3.65 | 20 |
| Chloroethane | 0.263 | 0.325 | | 23.57 | 20 |
| Tetrahydrofuran | 0.089 | 0.105 | | 17.98 | 20 |
| Trichlorofluoromethane | 0.806 | 0.800 | | -0.74 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.506 | 0.486 | | -3.95 | 20 |
| 1,1-Dichloroethene | 0.477 | 0.488 | | 2.31 | 20 |
| Acrylonitrile | 0.105 | 0.125 | | 19.05 | 20 |
| Acetone | 0.080 | 0.093 | | 16.25 | 20 |
| Carbon Disulfide | 1.495 | 1.402 | | -6.22 | 20 |
| Methyl tert-butyl Ether | 1.205 | 1.376 | | 14.19 | 20 |
| Methylene Chloride | 0.497 | 0.583 | | 17.3 | 20 |
| trans-1,2-Dichloroethene | 0.525 | 0.565 | | 7.62 | 20 |
| 1,1-Dichloroethane | 0.970 | 1.108 | 0.1 | 14.23 | 20 |
| 2-Butanone | 0.131 | 0.156 | | 19.08 | 20 |
| Carbon Tetrachloride | 0.555 | 0.554 | | -0.18 | 20 |
| 2,2-Dichloropropane | 0.898 | 0.924 | | 2.89 | 20 |
| cis-1,2-Dichloroethene | 0.604 | 0.669 | | 10.76 | 20 |
| Chloroform | 0.997 | 1.135 | | 13.84 | 20 |
| 1,1,1-Trichloroethane | 0.927 | 1.030 | | 11.11 | 20 |
| 1,1-Dichloropropene | 0.475 | 0.480 | | 1.05 | 20 |
| Benzene | 1.393 | 1.481 | | 6.32 | 20 |
| 1,2-Dichloroethane | 0.386 | 0.419 | | 8.55 | 20 |
| Trichloroethene | 0.360 | 0.362 | | 0.56 | 20 |
| 1,2-Dichloropropane | 0.331 | 0.365 | | 10.27 | 20 |
| Dibromomethane | 0.183 | 0.194 | | 6.01 | 20 |
| Bromodichloromethane | 0.491 | 0.538 | | 9.57 | 20 |
| 4-Methyl-2-Pentanone | 0.208 | 0.246 | | 18.27 | 20 |
| Toluene | 0.875 | 0.934 | | 6.74 | 20 |
| t-1,3-Dichloropropene | 0.441 | 0.475 | | 7.71 | 20 |
| cis-1,3-Dichloropropene | 0.522 | 0.555 | | 6.32 | 20 |
| 1,1,2-Trichloroethane | 0.237 | 0.256 | | 8.02 | 20 |
| 1,3-Dichloropropane | 0.410 | 0.456 | | 11.22 | 20 |
| 2-Hexanone | 0.134 | 0.158 | | 17.91 | 20 |
| Dibromochloromethane | 0.333 | 0.357 | | 7.21 | 20 |
| 1,2-Dibromoethane | 0.222 | 0.238 | | 7.21 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/21/2025 09:37

Lab File ID: VY021275.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Tetrachloroethene | 0.371 | 0.367 | | -1.08 | 20 |
| Chlorobenzene | 1.113 | 1.156 | 0.3 | 3.86 | 20 |
| 1,1,1,2-Tetrachloroethane | 0.396 | 0.425 | | 7.32 | 20 |
| Ethyl Benzene | 1.969 | 2.092 | | 6.25 | 20 |
| m/p-Xylenes | 0.737 | 0.774 | | 5.02 | 20 |
| o-Xylene | 0.687 | 0.733 | | 6.7 | 20 |
| Styrene | 1.145 | 1.248 | | 9 | 20 |
| Bromoform | 0.220 | 0.238 | 0.1 | 8.18 | 20 |
| Isopropylbenzene | 3.906 | 4.151 | | 6.27 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.650 | 0.712 | 0.3 | 9.54 | 20 |
| 1,2,3-Trichloropropane | 0.454 | 0.487 | | 7.27 | 20 |
| Bromobenzene | 0.901 | 0.928 | | 3 | 20 |
| n-propylbenzene | 4.653 | 4.941 | | 6.19 | 20 |
| 2-Chlorotoluene | 2.665 | 2.833 | | 6.3 | 20 |
| 1,3,5-Trimethylbenzene | 3.167 | 3.371 | | 6.44 | 20 |
| 4-Chlorotoluene | 2.715 | 2.879 | | 6.04 | 20 |
| tert-Butylbenzene | 2.878 | 3.035 | | 5.45 | 20 |
| 1,2,4-Trimethylbenzene | 3.096 | 3.334 | | 7.69 | 20 |
| sec-Butylbenzene | 4.143 | 4.421 | | 6.71 | 20 |
| p-Isopropyltoluene | 3.442 | 3.651 | | 6.07 | 20 |
| 1,3-Dichlorobenzene | 1.740 | 1.801 | | 3.51 | 20 |
| 1,4-Dichlorobenzene | 1.714 | 1.757 | | 2.51 | 20 |
| n-Butylbenzene | 3.140 | 3.262 | | 3.88 | 20 |
| 1,2-Dichlorobenzene | 1.510 | 1.589 | | 5.23 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.097 | 0.107 | | 10.31 | 20 |
| 1,2,4-Trichlorobenzene | 0.841 | 0.888 | | 5.59 | 20 |
| Hexachlorobutadiene | 0.557 | 0.575 | | 3.23 | 20 |
| 1,2,3-Trichlorobenzene | 0.700 | 0.745 | | 6.43 | 20 |
| 1,2-Dichloroethane-d4 | 0.512 | 0.546 | | 6.64 | 20 |
| Dibromofluoromethane | 0.320 | 0.330 | | 3.13 | 20 |
| Toluene-d8 | 1.220 | 1.198 | | -1.8 | 20 |
| 4-Bromofluorobenzene | 0.399 | 0.404 | | 1.25 | 20 |
| trans-1,4-Dichloro-2-butene | 0.222 | 0.230 | | 3.6 | 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_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.726 | 168 | 134641 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 8.628 | 114 | 218893 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 189433 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152 | 91135 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.079 | 65 | 73499 | 53.279 | ug/l | 0.01 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 106.560% | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 72342 | 51.569 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 103.140% | | | |
| 50) Toluene-d8 | 10.115 | 98 | 262335 | 49.121 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 98.240% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 88447 | 50.693 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 101.380% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.873 | 85 | 53065 | 44.220 | ug/l | 92 |
| 3) Chloromethane | 2.074 | 50 | 69096 | 58.350 | ug/l | 98 |
| 4) Vinyl Chloride | 2.214 | 62 | 66919 | 56.145 | ug/l | 99 |
| 5) Bromomethane | 2.611 | 94 | 38298 | 51.988 | ug/l | 94 |
| 6) Chloroethane | 2.751 | 64 | 43771 | 61.692 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.074 | 101 | 107727 | 49.611 | ug/l | 98 |
| 8) Diethyl Ether | 3.464 | 74 | 37523 | 55.354 | ug/l | 93 |
| 9) 1,1,2-Trichlorotrifluo... | 3.836 | 101 | 65425 | 48.007 | ug/l | 96 |
| 10) Methyl Iodide | 4.019 | 142 | 76705 | 50.662 | ug/l | 92 |
| 11) Tert butyl alcohol | 4.915 | 59 | 22221 | 237.701 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 3.806 | 96 | 65745 | 51.212 | ug/l | 86 |
| 13) Acrolein | 3.665 | 56 | 22617 | 157.114 | ug/l | 94 |
| 14) Allyl chloride | 4.397 | 41 | 122719 | 56.720 | ug/l | 93 |
| 15) Acrylonitrile | 5.080 | 53 | 84424 | 299.082 | ug/l | 99 |
| 16) Acetone | 3.897 | 43 | 62919 | 292.469 | ug/l | 93 |
| 17) Carbon Disulfide | 4.123 | 76 | 188763 | 46.891 | ug/l | 98 |
| 18) Methyl Acetate | 4.409 | 43 | 51748 | 68.522 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 5.135 | 73 | 185238 | 57.088 | ug/l | 100 |
| 20) Methylene Chloride | 4.635 | 84 | 78534 | 58.723 | ug/l | 90 |
| 21) trans-1,2-Dichloroethene | 5.141 | 96 | 76055 | 53.821 | ug/l | 96 |
| 22) Diisopropyl ether | 6.037 | 45 | 271476 | 60.874 | ug/l | 97 |
| 23) Vinyl Acetate | 5.982 | 43 | 735278 | 295.758 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 5.933 | 63 | 149132 | 57.076 | ug/l | 98 |
| 25) 2-Butanone | 6.915 | 43 | 105003 | 297.023 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.903 | 77 | 124428 | 51.467 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.909 | 96 | 90095 | 55.391 | ug/l | 94 |
| 28) Bromochloromethane | 7.262 | 49 | 66949 | 64.798 | ug/l | 94 |
| 29) Tetrahydrofuran | 7.281 | 42 | 70365 | 294.152 | ug/l | 94 |
| 30) Chloroform | 7.439 | 83 | 152860 | 56.956 | ug/l | 99 |
| 31) Cyclohexane | 7.720 | 56 | 108795 | 46.238 | ug/l | 93 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 138665 | 55.572 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.848 | 75 | 105033 | 50.550 | ug/l | 98 |
| 37) Ethyl Acetate | 7.000 | 43 | 50245 | 55.122 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.835 | 117 | 121178 | 49.912 | ug/l | 99 |
| 39) Methylcyclohexane | 9.122 | 83 | 115614 | 45.490 | ug/l | 99 |
| 40) Benzene | 8.091 | 78 | 324187 | 53.166 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.238 | 41 | 31065 | 58.909 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 8.171 | 62 | 91794 | 54.268 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.213 | 43 | 101862 | 56.240 | ug/l | | 96 |
| 44) Trichloroethene | 8.878 | 130 | 79263 | 50.313 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 9.152 | 63 | 79921 | 55.222 | ug/l | | 98 |
| 46) Dibromomethane | 9.244 | 93 | 42419 | 52.936 | ug/l | | 96 |
| 47) Bromodichloromethane | 9.433 | 83 | 117853 | 54.838 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.231 | 41 | 47593 | 57.687 | ug/l | | 91 |
| 49) 1,4-Dioxane | 9.262 | 88 | 8064 | 1081.002 | ug/l | # | 87 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 269630 | 296.038 | ug/l | | 95 |
| 52) Toluene | 10.183 | 92 | 204505 | 53.414 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 104033 | 53.911 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.866 | 75 | 121404 | 53.134 | ug/l | # | 90 |
| 55) 1,1,2-Trichloroethane | 10.585 | 97 | 56063 | 54.028 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.451 | 69 | 78420 | 56.492 | ug/l | | 88 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 99821 | 55.577 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 198856 | 301.108 | ug/l | | 98 |
| 59) 2-Hexanone | 10.774 | 43 | 173136 | 295.239 | ug/l | | 95 |
| 60) Dibromochloromethane | 10.920 | 129 | 78064 | 53.569 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.024 | 107 | 51996 | 53.496 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.658 | 164 | 69573 | 49.474 | ug/l | | 97 |
| 65) Chlorobenzene | 11.451 | 112 | 219066 | 51.935 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 80486 | 53.694 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.530 | 91 | 396201 | 53.106 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.640 | 106 | 293291 | 105.084 | ug/l | | 96 |
| 69) o-Xylene | 11.963 | 106 | 138811 | 53.345 | ug/l | | 97 |
| 70) Styrene | 11.981 | 104 | 236391 | 54.506 | ug/l | | 99 |
| 71) Bromoform | 12.146 | 173 | 45063 | 54.009 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.268 | 105 | 378285 | 53.138 | ug/l | | 100 |
| 74) N-amyl acetate | 12.079 | 43 | 88587 | 56.918 | ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83 | 64872 | 54.792 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 44377m | 53.679 | ug/l | | |
| 77) Bromobenzene | 12.542 | 156 | 84600 | 51.497 | ug/l | | 96 |
| 78) n-propylbenzene | 12.603 | 91 | 450276 | 53.097 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 258141 | 53.148 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.749 | 105 | 307207 | 53.225 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.316 | 75 | 20989 | 51.805 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 262361 | 53.017 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.005 | 119 | 276564 | 52.716 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.054 | 105 | 303836 | 53.838 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.188 | 105 | 402885 | 53.349 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.304 | 119 | 332768 | 53.046 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.298 | 146 | 164144 | 51.747 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.377 | 146 | 160145 | 51.275 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.627 | 91 | 297313 | 51.951 | ug/l | | 99 |
| 90) Hexachloroethane | 13.889 | 117 | 70386 | 53.783 | ug/l | | 85 |
| 91) 1,2-Dichlorobenzene | 13.670 | 146 | 144792 | 52.591 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75 | 9715 | 54.910 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 14.932 | 180 | 80920 | 52.803 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.035 | 225 | 52391 | 51.589 | ug/l | | 100 |
| 95) Naphthalene | 15.157 | 128 | 140532 | 57.318 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 67936 | 53.269 | ug/l | | 96 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

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

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

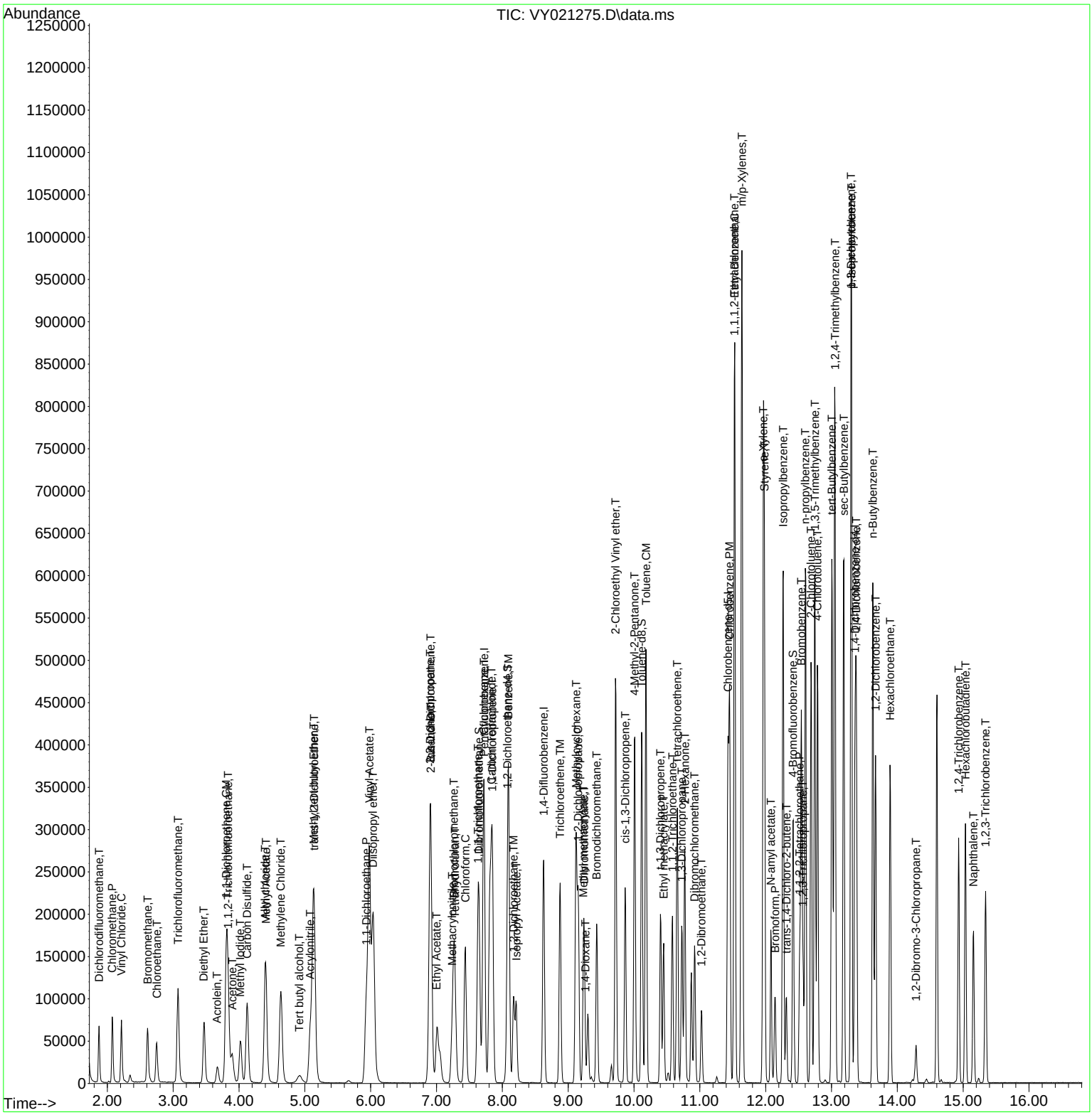
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

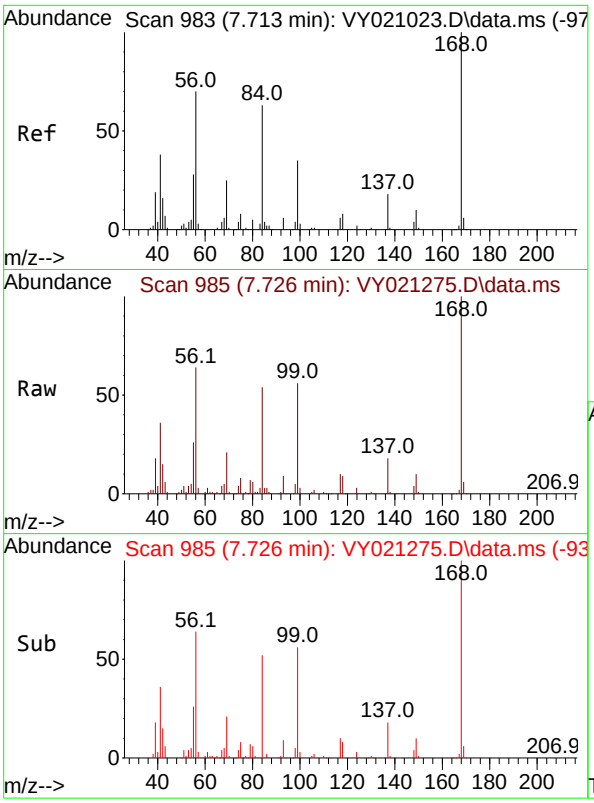
Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

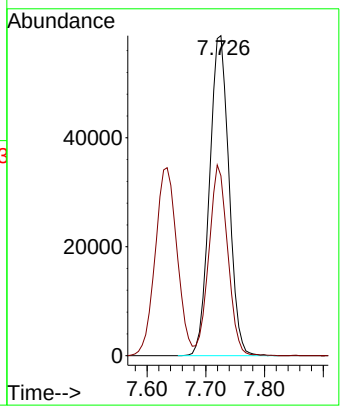





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 9
Delta R.T. 0.013 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:168 Resp: 13464

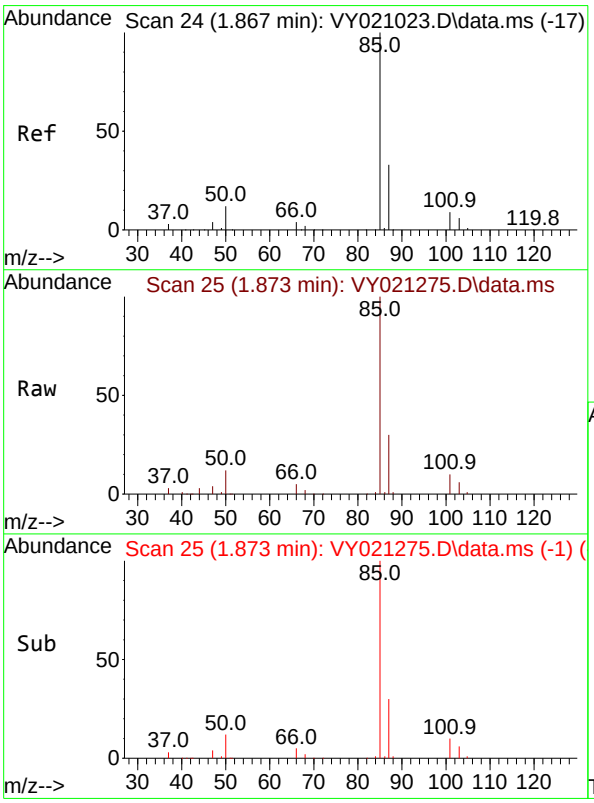
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.2 | 44.2 | 66.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

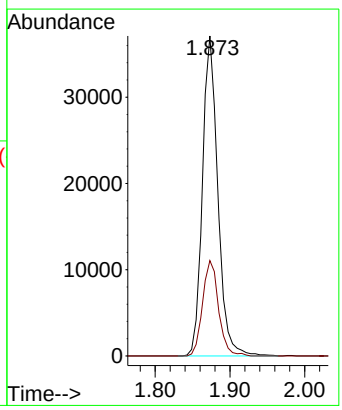
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

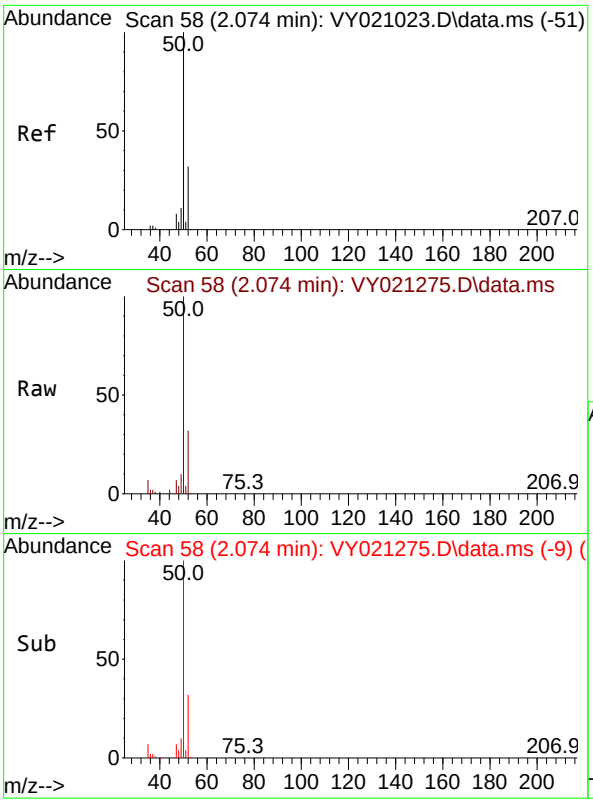



#2
Dichlorodifluoromethane
Concen: 44.220 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 85 Resp: 53065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.8 | 17.1 | 51.3 |

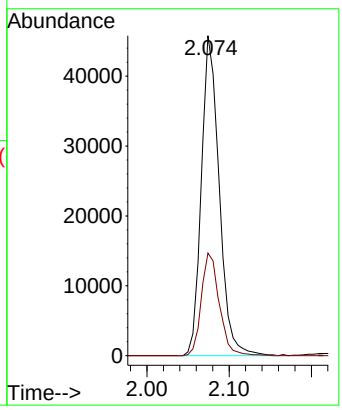





#3
Chloromethane
Concen: 58.350 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 50 Resp: 6909

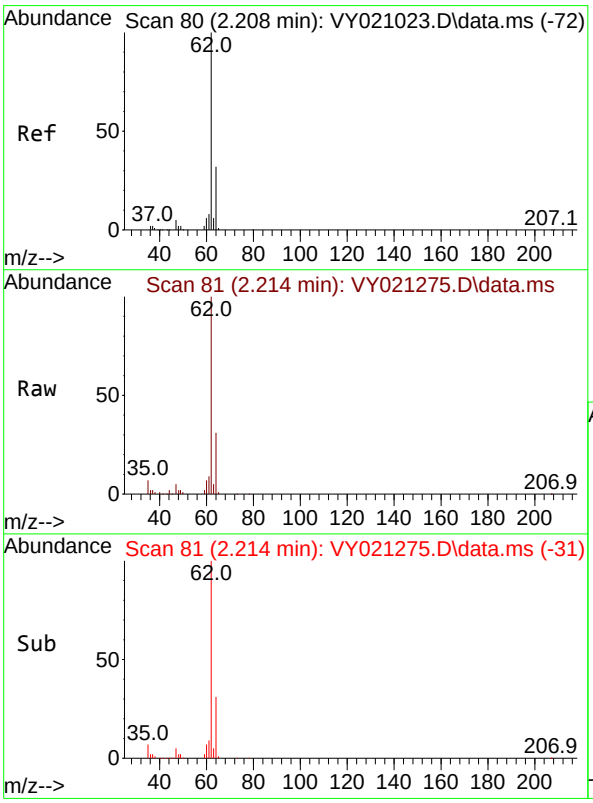
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.1 | 26.7 | 40.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

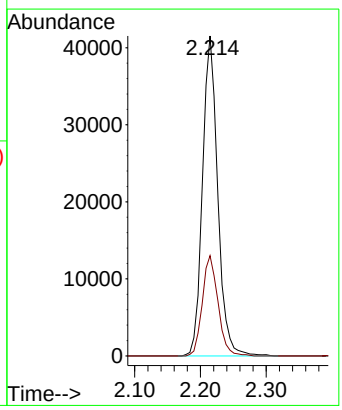
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

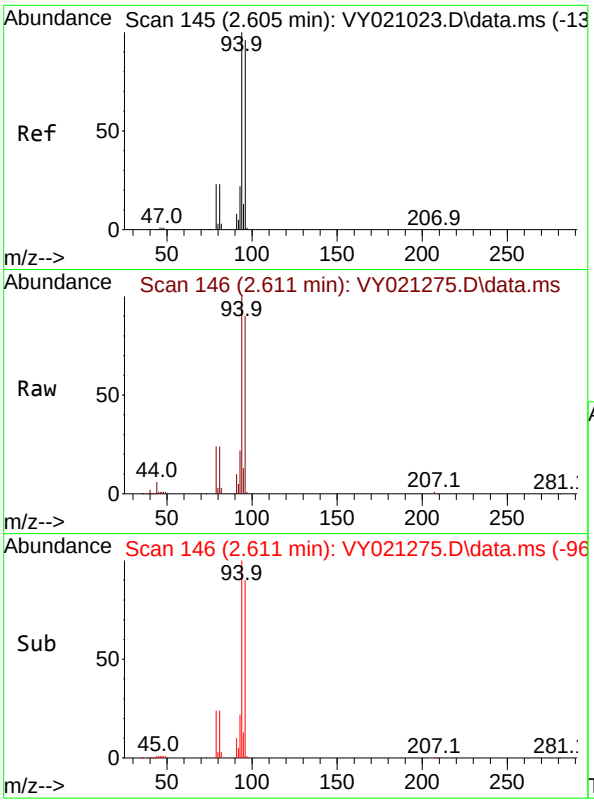



#4
Vinyl Chloride
Concen: 56.145 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 62 Resp: 66919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.3 | 25.7 | 38.5 |

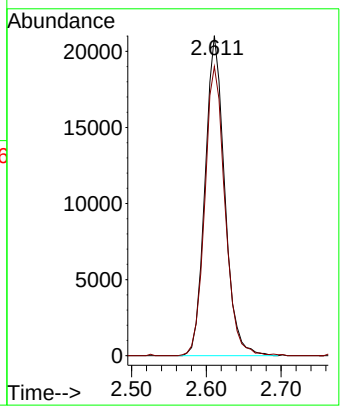





#5
Bromomethane
Concen: 51.988 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 94 Resp: 3829

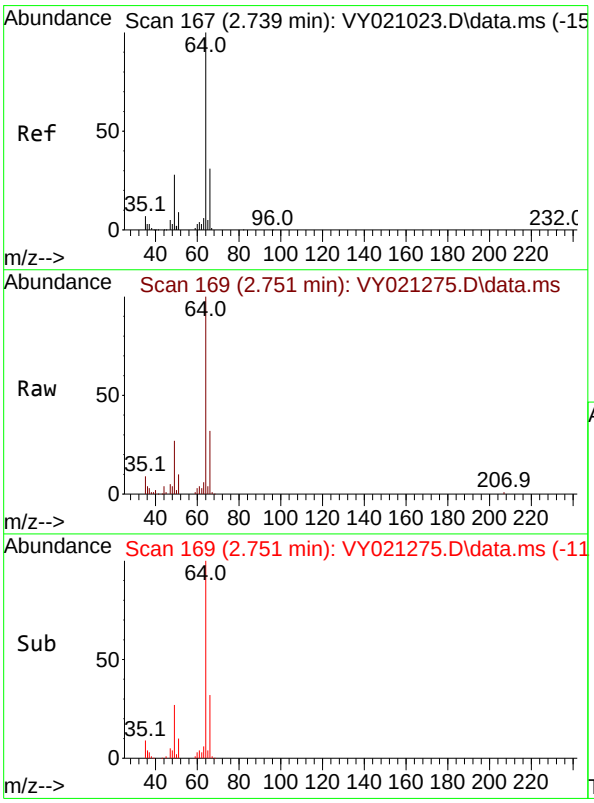
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.3 | 77.3 | 115.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

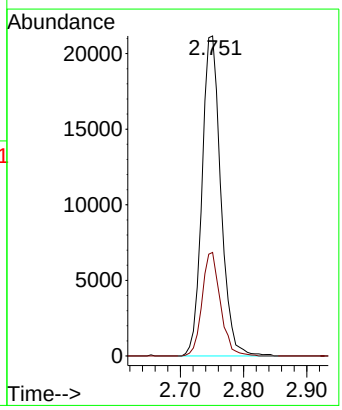
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

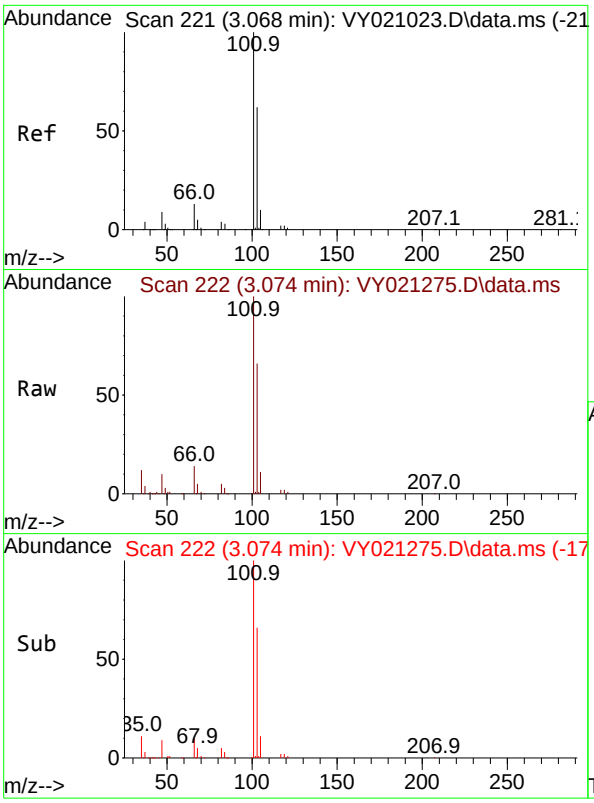



#6
Chloroethane
Concen: 61.692 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 64 Resp: 43771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 25.1 | 37.7 |

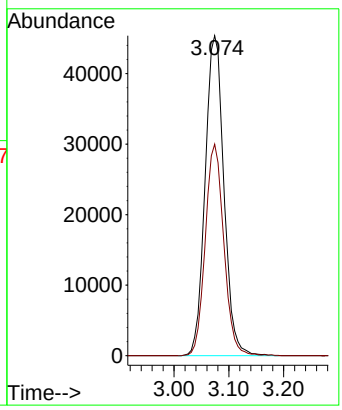





#7
Trichlorofluoromethane
Concen: 49.611 ug/l
RT: 3.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:101 Resp: 10772

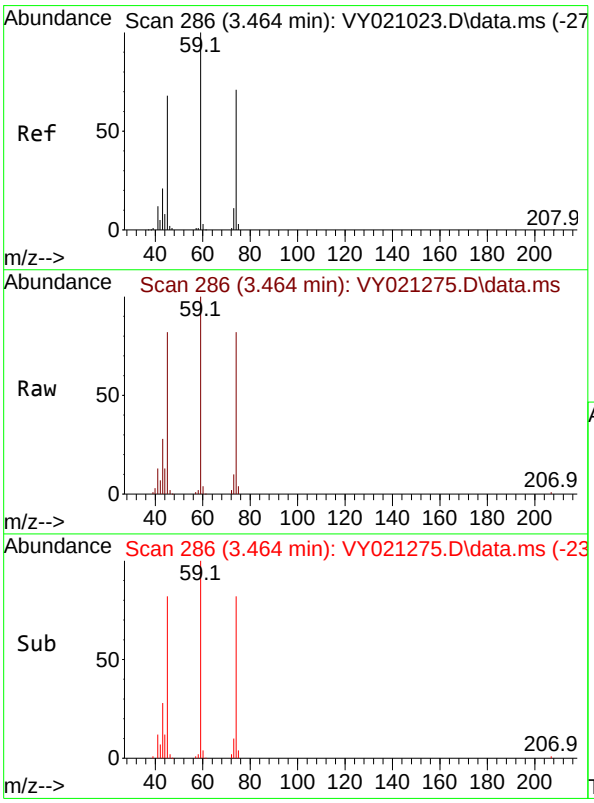
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.1 | 51.9 | 77.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

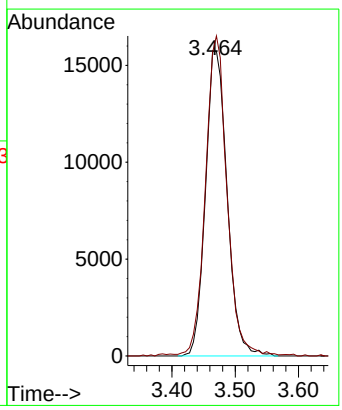
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

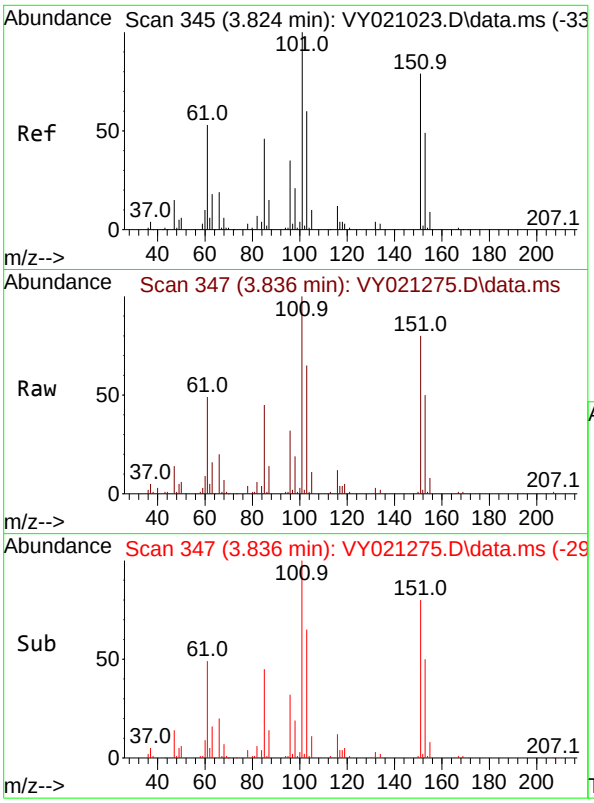



#8
Diethyl Ether
Concen: 55.354 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 74 Resp: 37523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 102.4 | 47.9 | 143.7 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.007 ug/l
RT: 3.836 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

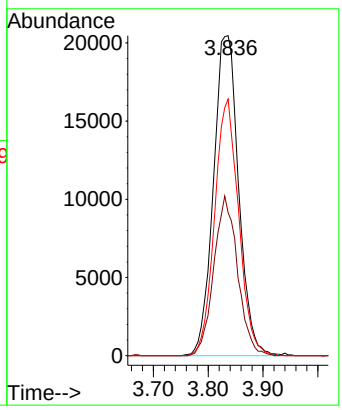
Tgt Ion:101 Resp: 6542

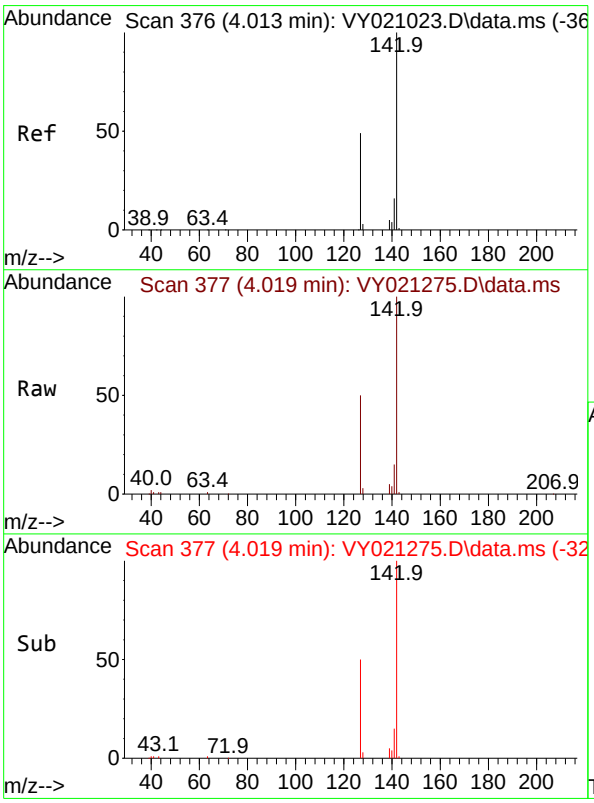
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.0 | 35.8 | 53.6 |
| 151 | 76.6 | 58.6 | 88.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

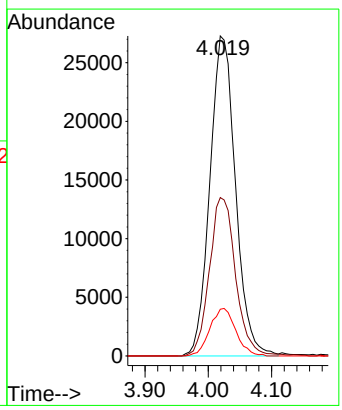


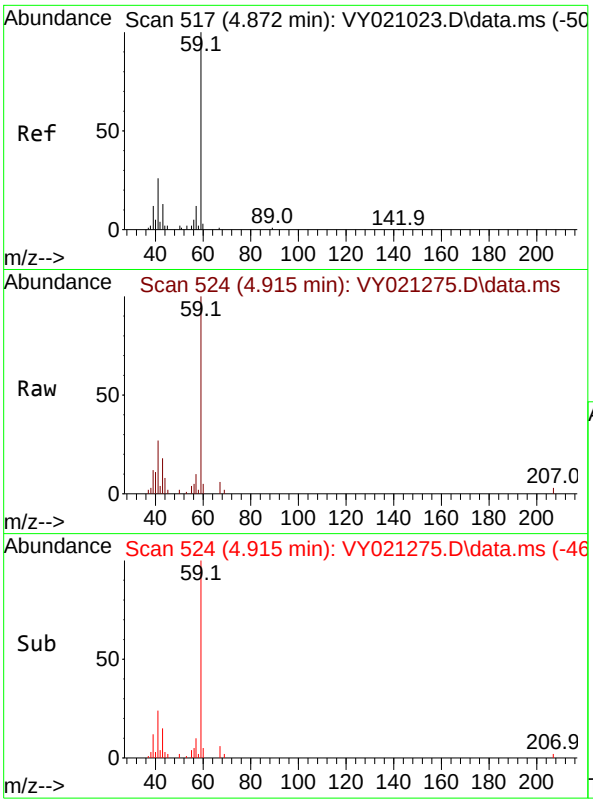




#10
Methyl Iodide
Concen: 50.662 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:142 Resp: 76705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.5 | 35.1 | 52.7 |
| 141 | 15.0 | 11.8 | 17.6 |

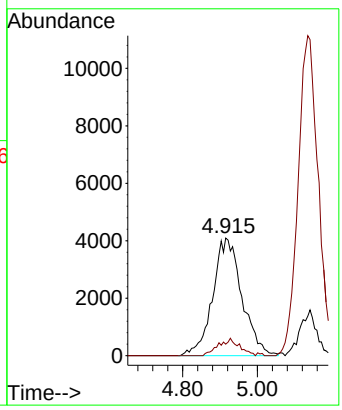





#11
Tert butyl alcohol
Concen: 237.701 ug/l
RT: 4.915 min Scan# 5
Delta R.T. 0.043 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 59 Resp: 2222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.5 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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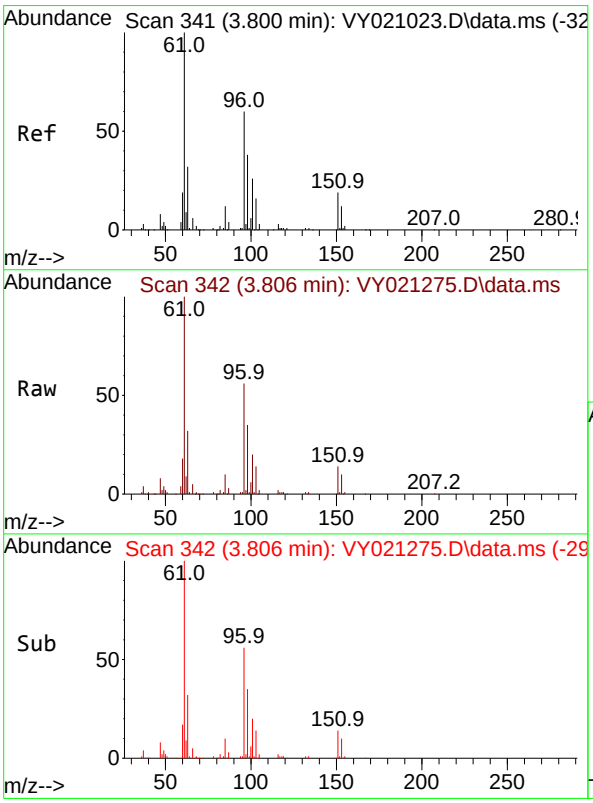
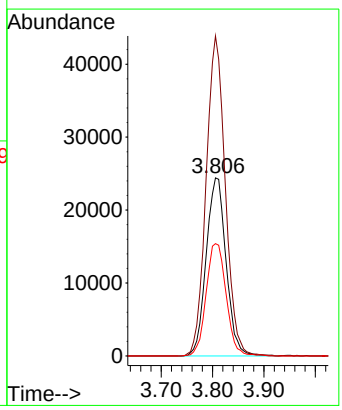
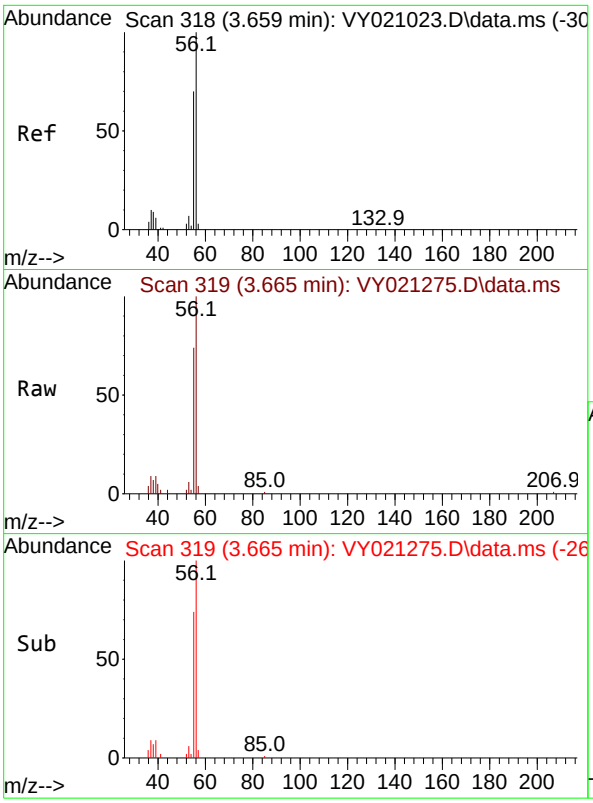



#12
1,1-Dichloroethene
Concen: 51.212 ug/l
RT: 3.806 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 96 Resp: 65745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 179.6 | 124.2 | 186.2 |
| 98 | 63.0 | 52.6 | 79.0 |

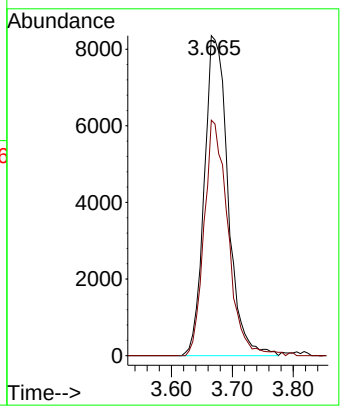





#13
Acrolein
Concen: 157.114 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 56 Resp: 2261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.9 | 55.4 | 83.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

**Manual Integrations**
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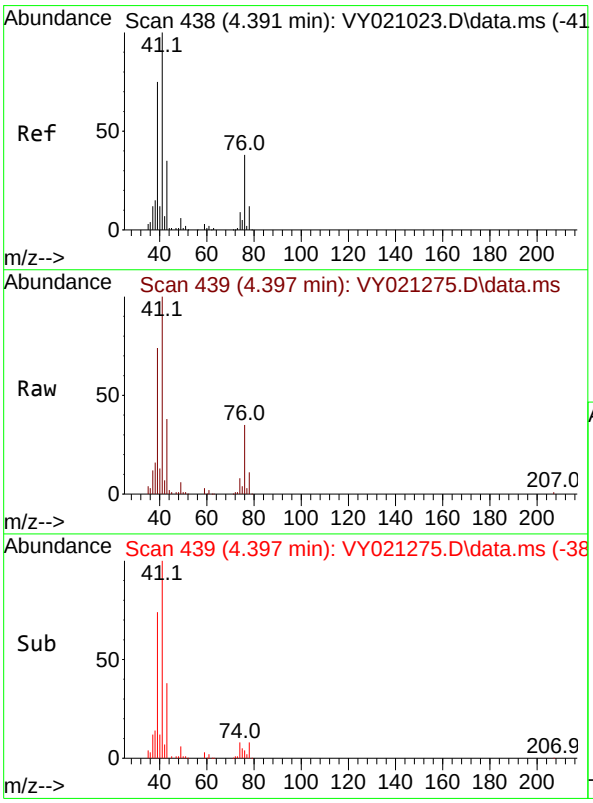
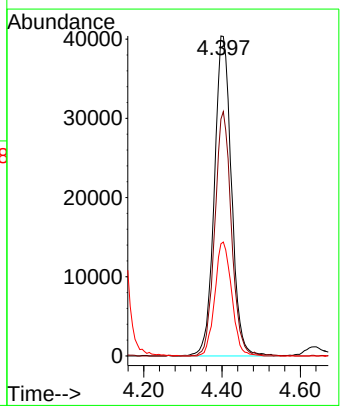
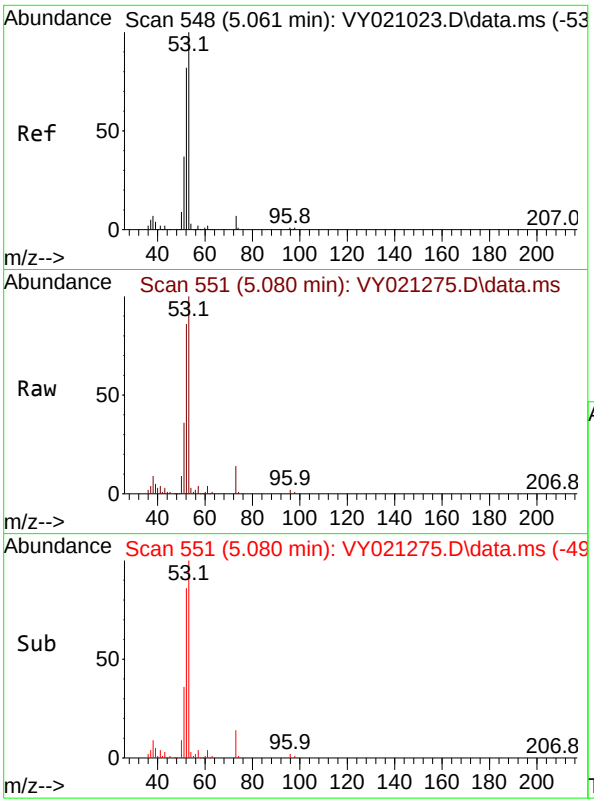



#14
Allyl chloride
Concen: 56.720 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 41 Resp: 122719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.0 | 54.7 | 82.1 |
| 76 | 35.0 | 31.8 | 47.6 |

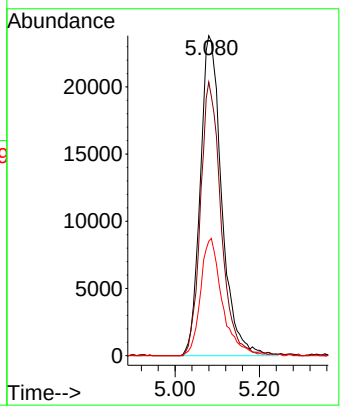





#15
Acrylonitrile
Concen: 299.082 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 53 Resp: 8442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.0 | 65.1 | 97.7 |
| 51 | 37.2 | 29.0 | 43.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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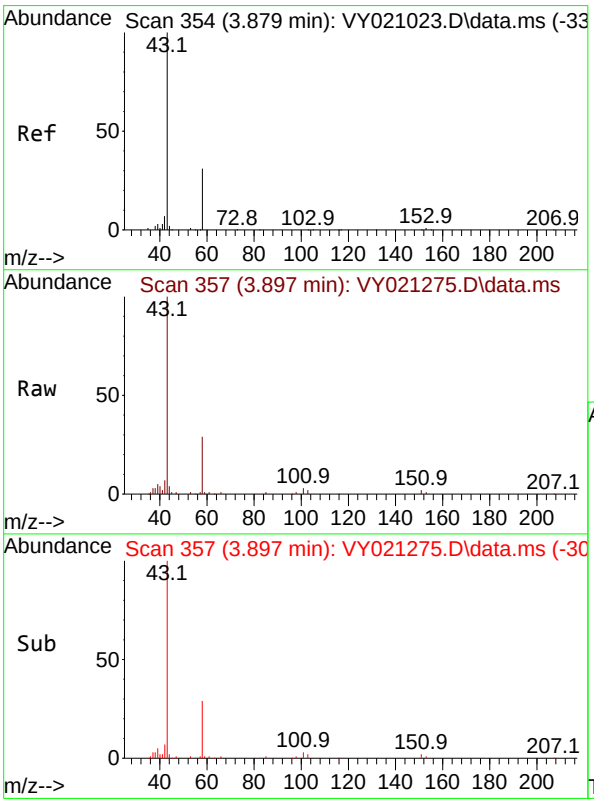
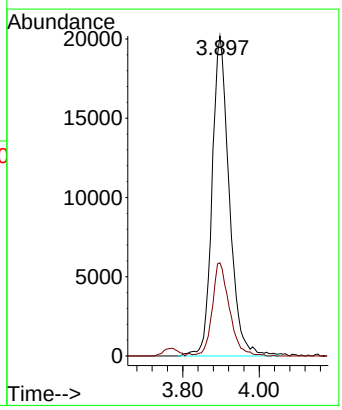
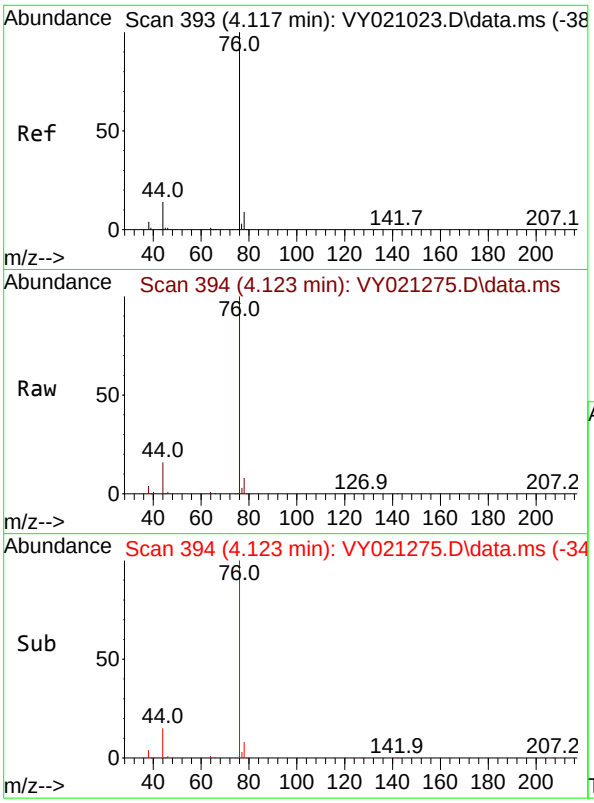



#16
Acetone
Concen: 292.469 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 62919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.1 | 26.6 | 39.8 |

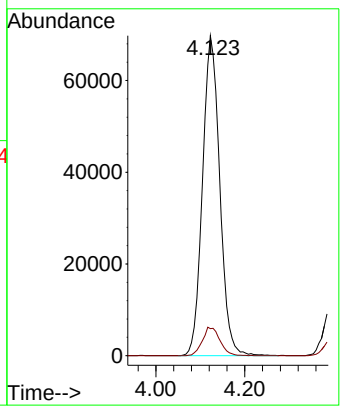





#17
Carbon Disulfide
Concen: 46.891 ug/l
RT: 4.123 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 76 Resp: 18876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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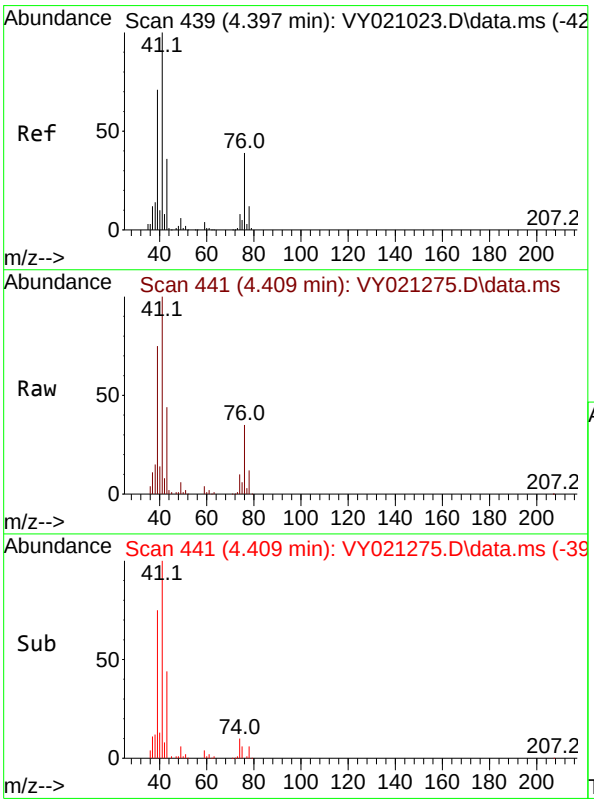
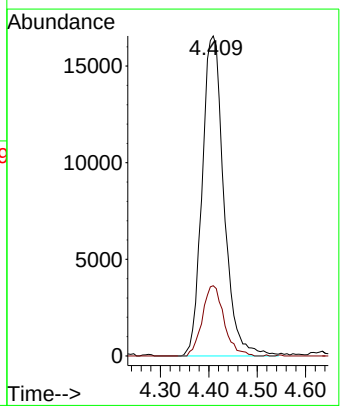
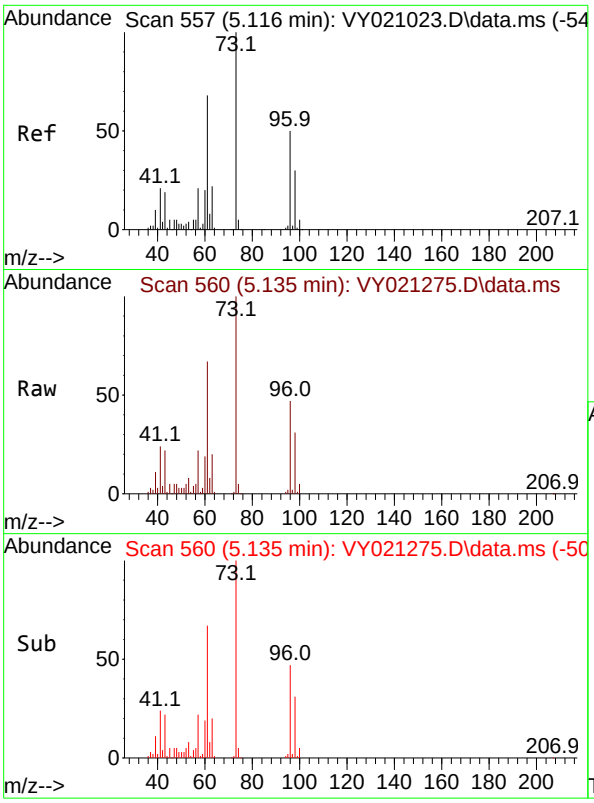



#18
Methyl Acetate
Concen: 68.522 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 51748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.9 | 19.8 | 29.6 |

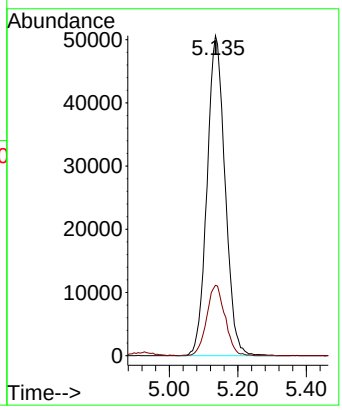





#19
Methyl tert-butyl Ether
Concen: 57.088 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 73 Resp: 18523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.0 | 17.7 | 26.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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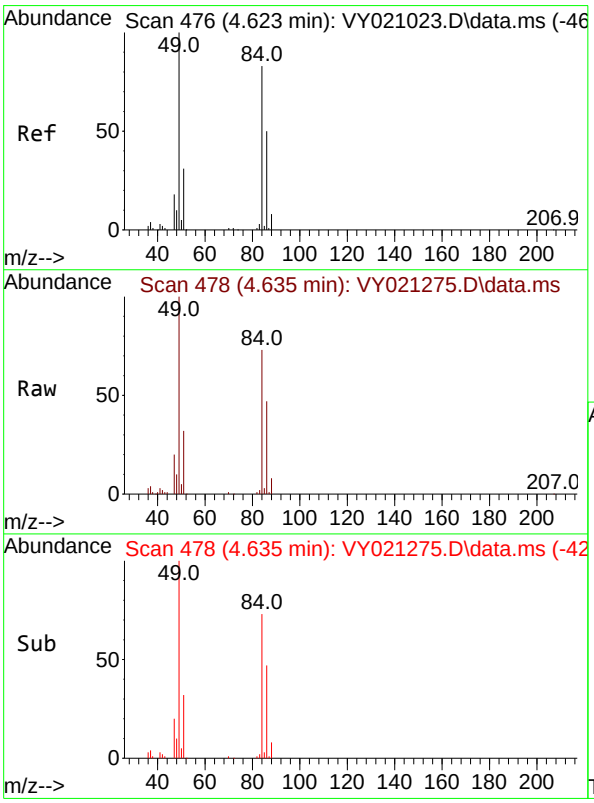
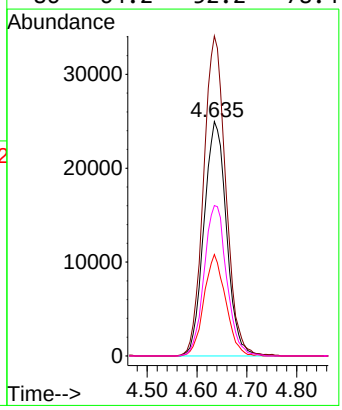
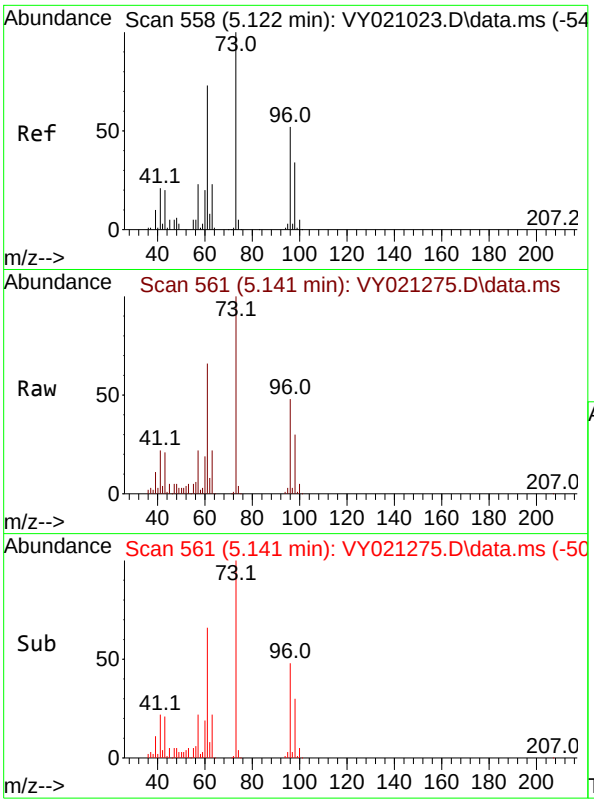



#20
Methylene Chloride
Concen: 58.723 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 84 Resp: 78534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.3 | 95.2 | 142.8 |
| 51 | 43.3 | 29.9 | 44.9 |
| 86 | 64.2 | 52.2 | 78.4 |

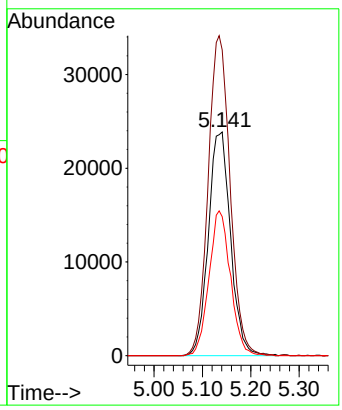





#21
trans-1,2-Dichloroethene
Concen: 53.821 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 96 Resp: 7605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.7 | 104.6 | 156.8 |
| 98 | 62.2 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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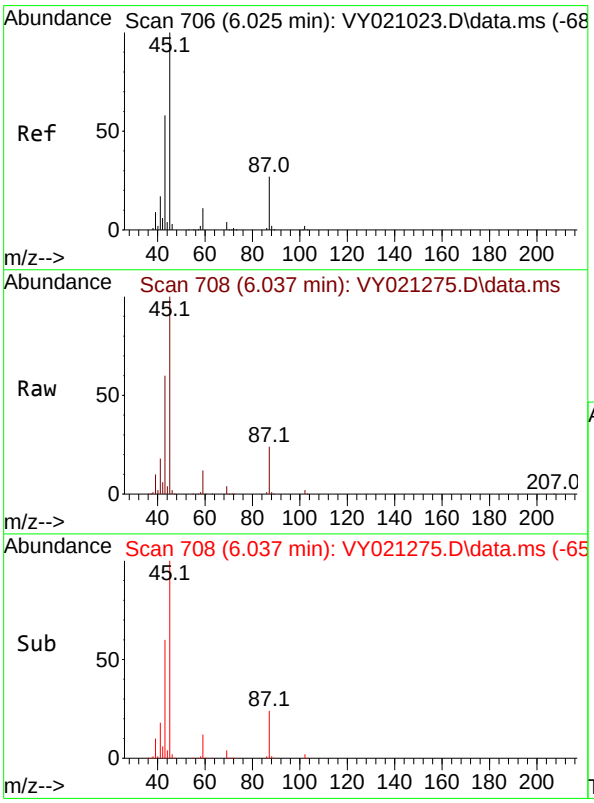
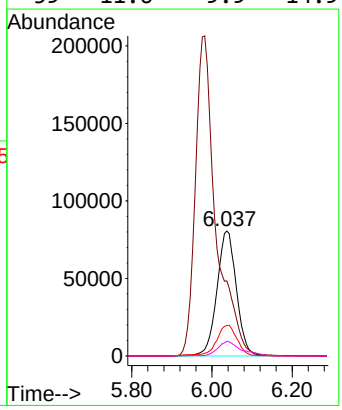
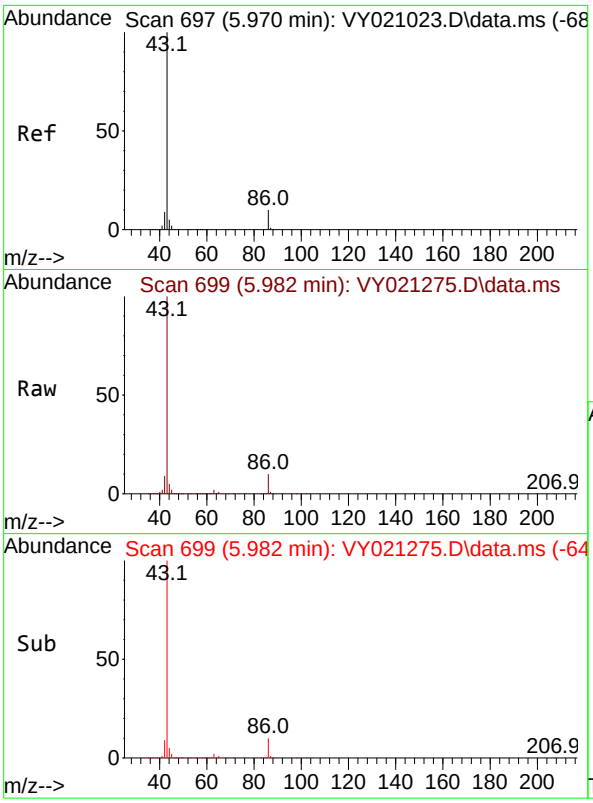



#22
Diisopropyl ether
Concen: 60.874 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 45 Resp: 271476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 59.8 | 46.8 | 70.2 |
| 87 | 24.3 | 22.2 | 33.2 |
| 59 | 11.6 | 9.9 | 14.9 |

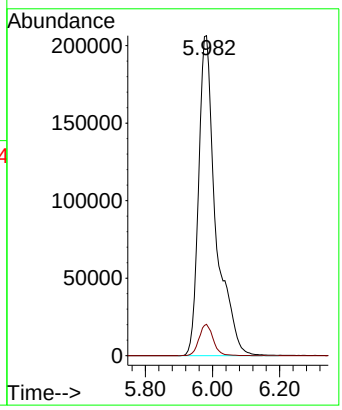





#23
Vinyl Acetate
Concen: 295.758 ug/l
RT: 5.982 min Scan# 6
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 73527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.8 | 8.6 | 13.0 |

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MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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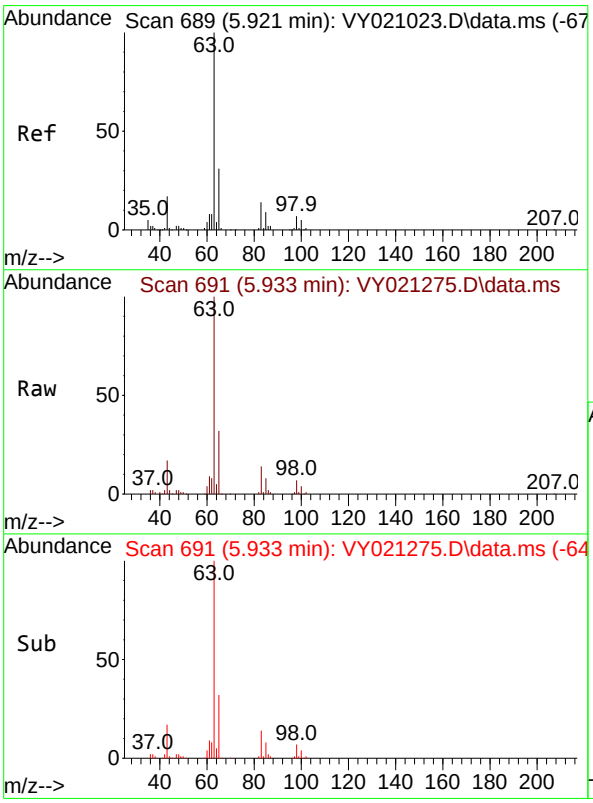
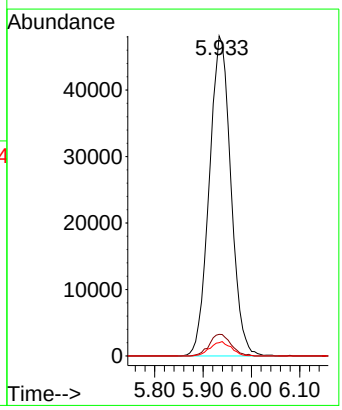
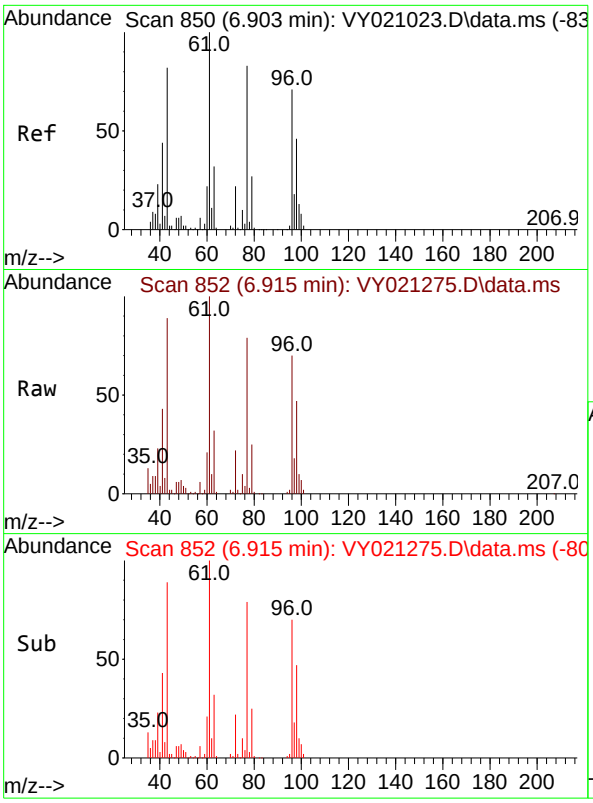



#24
1,1-Dichloroethane
Concen: 57.076 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 63 Resp: 149132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.8 | 11.4 |
| 100 | 4.1 | 2.1 | 6.2 |






#25
2-Butanone
Concen: 297.023 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 10500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 21.4 | 32.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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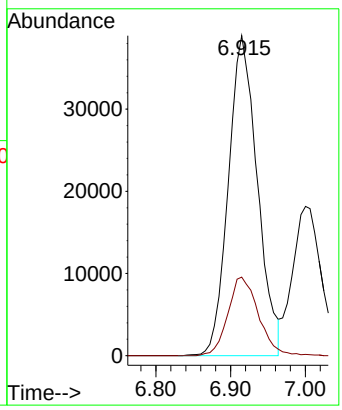
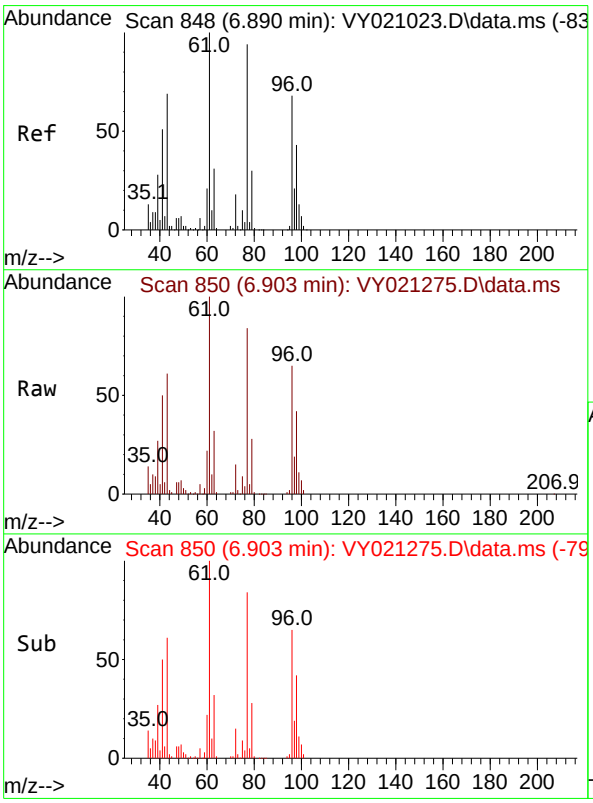
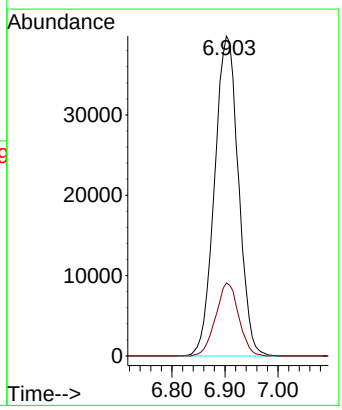


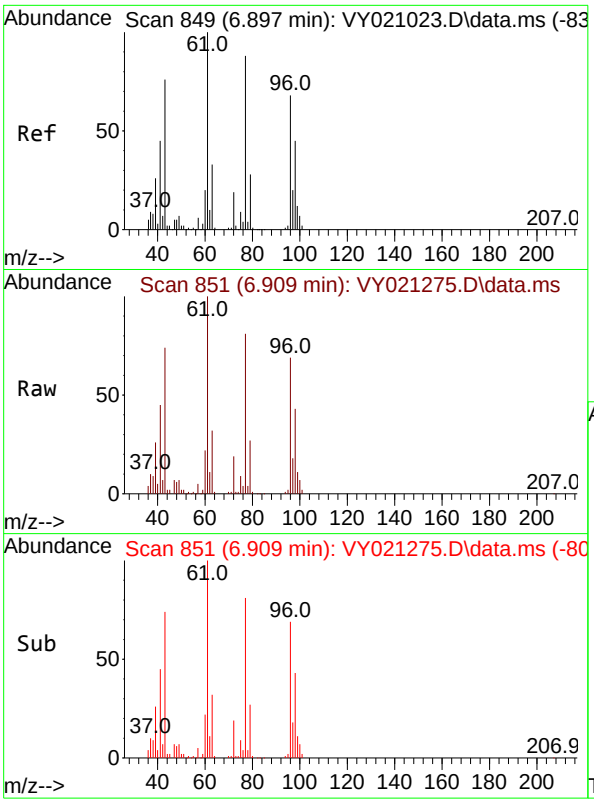




#26
2,2-Dichloropropane
Concen: 51.467 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 77 Resp: 124428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 11.7 | 35.0 |

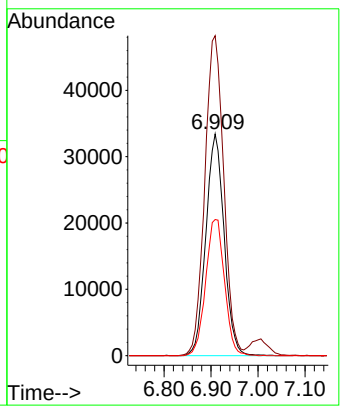





#27
cis-1,2-Dichloroethene
Concen: 55.391 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 96 Resp: 9009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.9 | 0.0 | 278.8 |
| 98 | 63.5 | 0.0 | 127.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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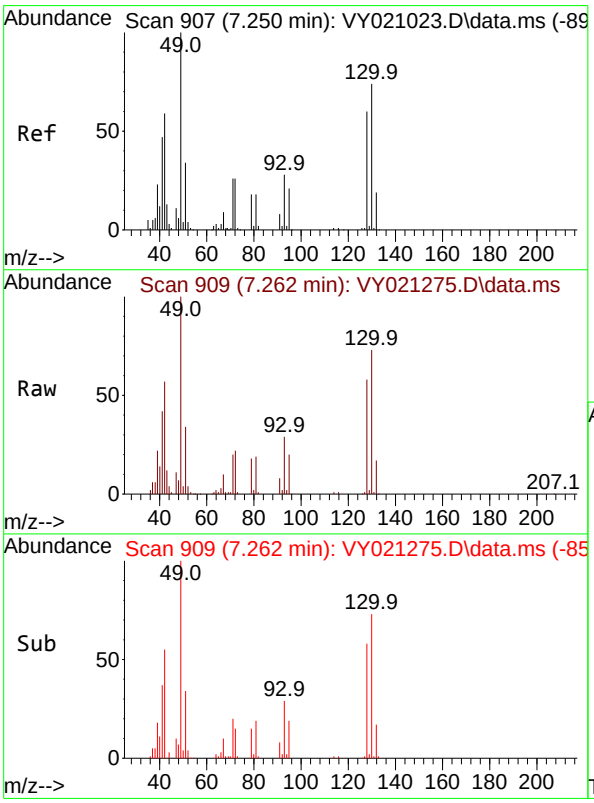
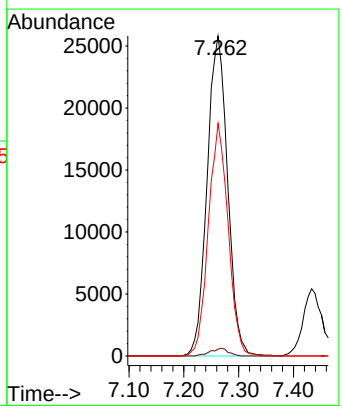
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

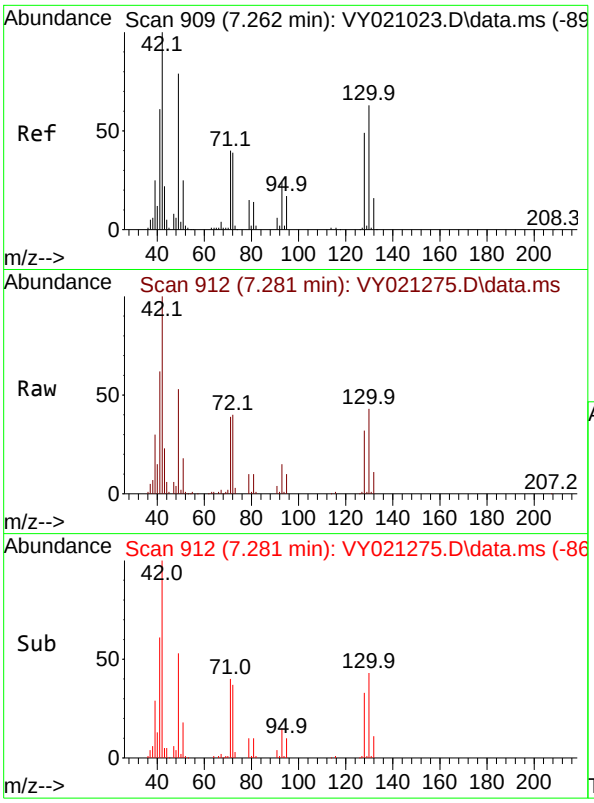



#28
Bromochloromethane
Concen: 64.798 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 49 Resp: 66949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 3.8 |
| 130 | 69.9 | 59.8 | 89.8 |

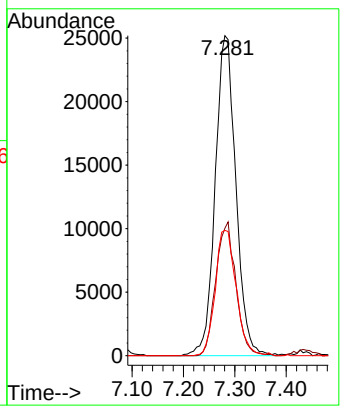





#29
Tetrahydrofuran
Concen: 294.152 ug/l
RT: 7.281 min Scan# 9
Delta R.T. 0.018 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 42 Resp: 7036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.5 | 36.6 | 54.8 |
| 71 | 39.6 | 33.8 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :Romaben Patel 02/24/2025
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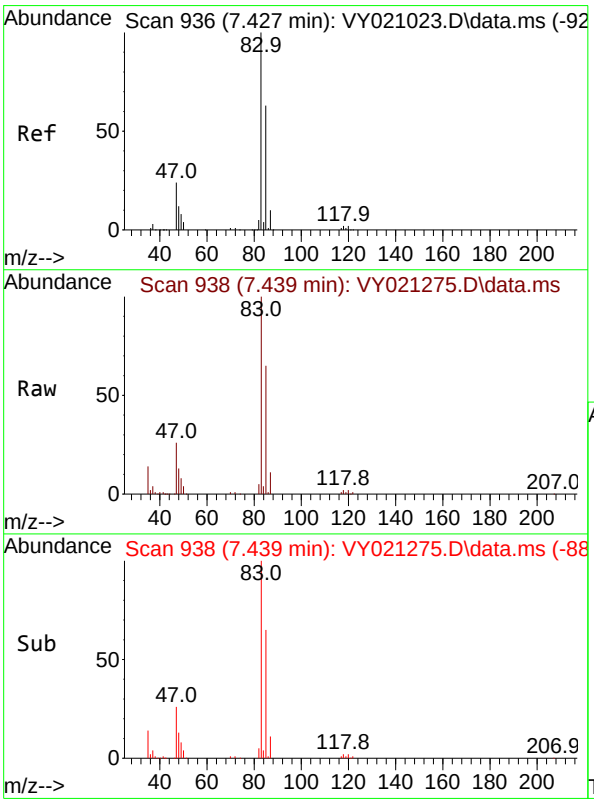
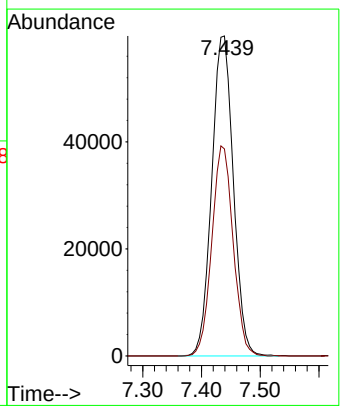
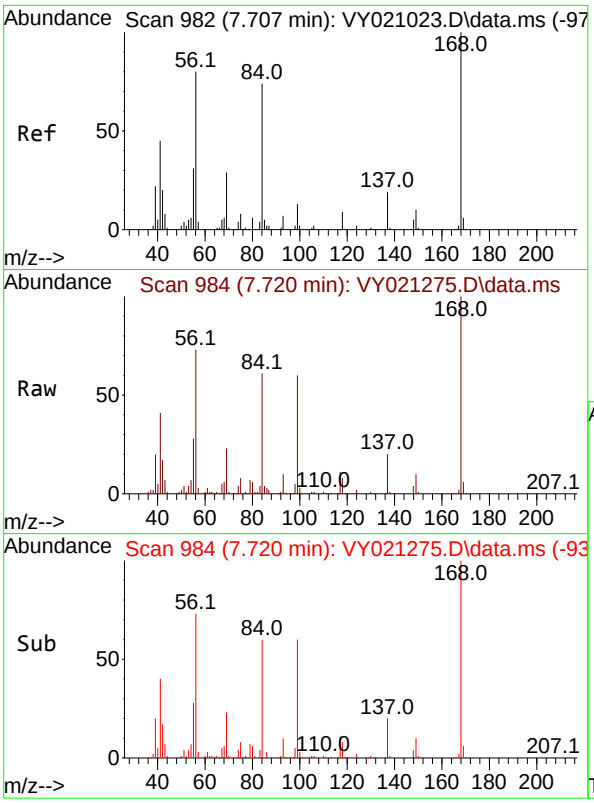



#30
Chloroform
Concen: 56.956 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 83 Resp: 152860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.2 | 76.8 |

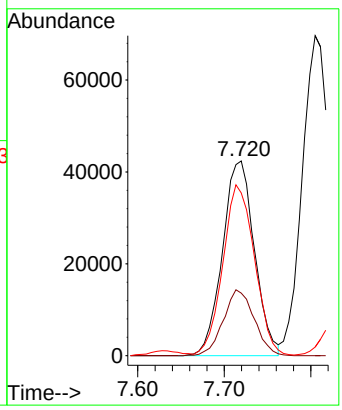





#31
Cyclohexane
Concen: 46.238 ug/l
RT: 7.720 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 56 Resp: 10879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 27.0 | 40.6 |
| 84 | 81.9 | 71.8 | 107.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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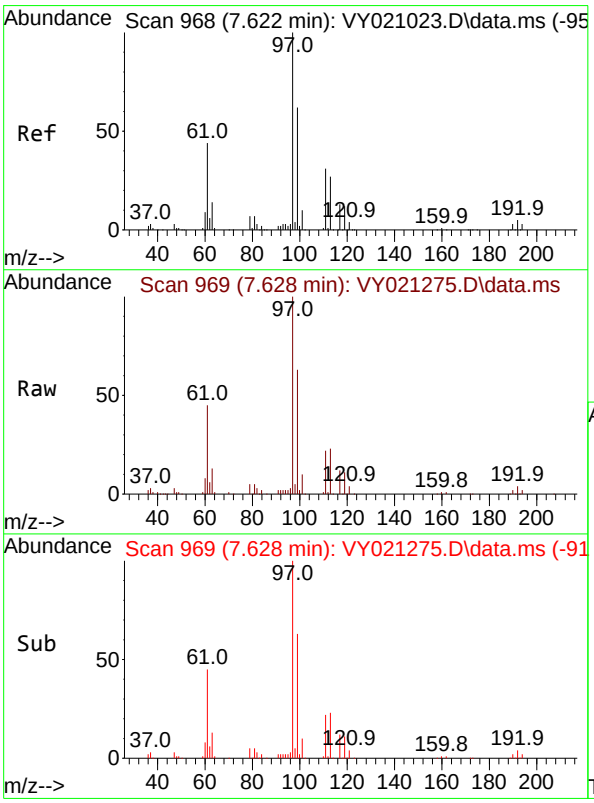
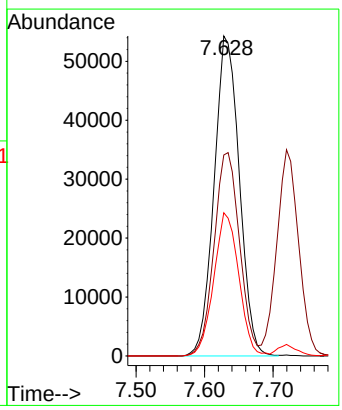
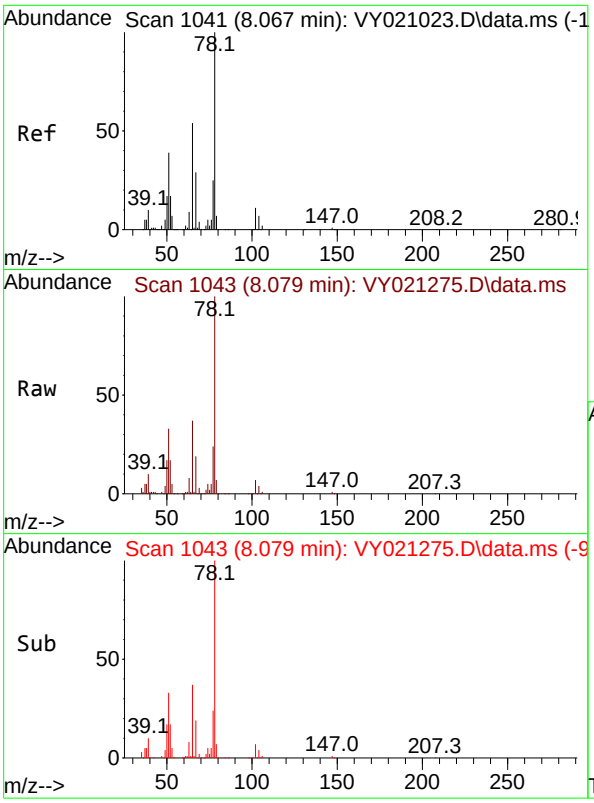



#32
1,1,1-Trichloroethane
Concen: 55.572 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 97 Resp: 138665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 51.2 | 76.8 |
| 61 | 44.5 | 35.0 | 52.6 |

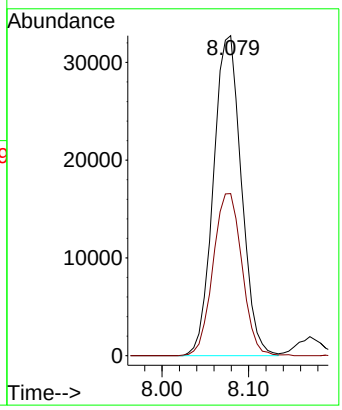





#33
1,2-Dichloroethane-d4
Concen: 53.279 ug/l
RT: 8.079 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 65 Resp: 7349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 109.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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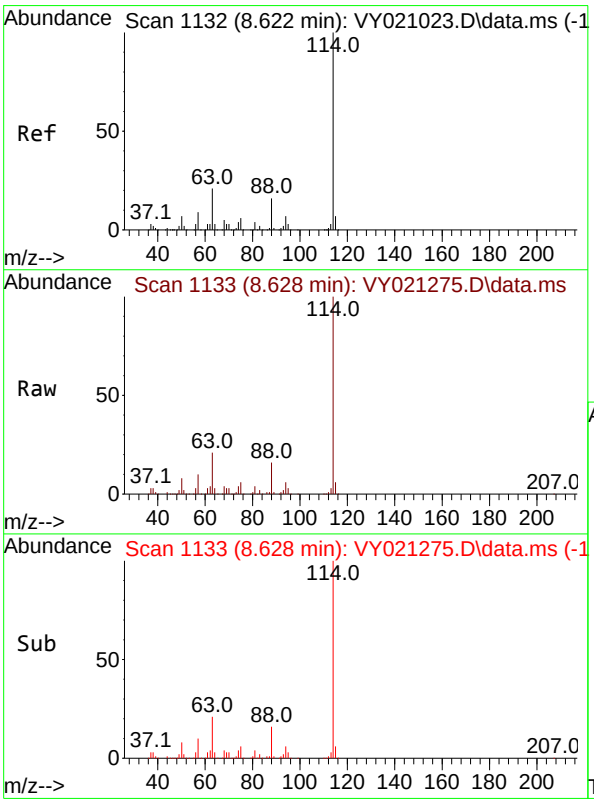
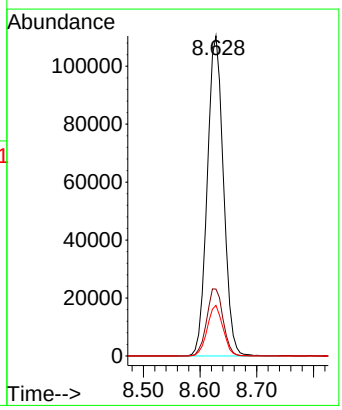
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

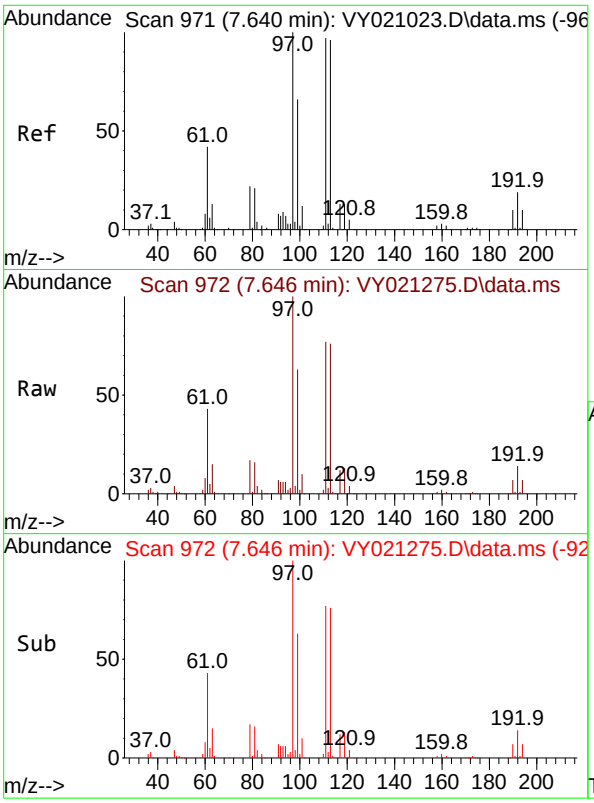



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:114 Resp: 218893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 37.4 |
| 88 | 15.8 | 0.0 | 29.0 |

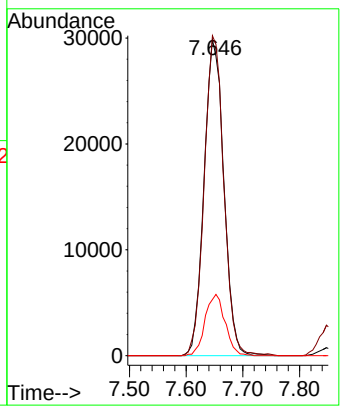





#35
Dibromofluoromethane
Concen: 51.569 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:113 Resp: 7234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.2 | 83.8 | 125.6 |
| 192 | 19.6 | 14.5 | 21.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :Romaben Patel 02/24/2025
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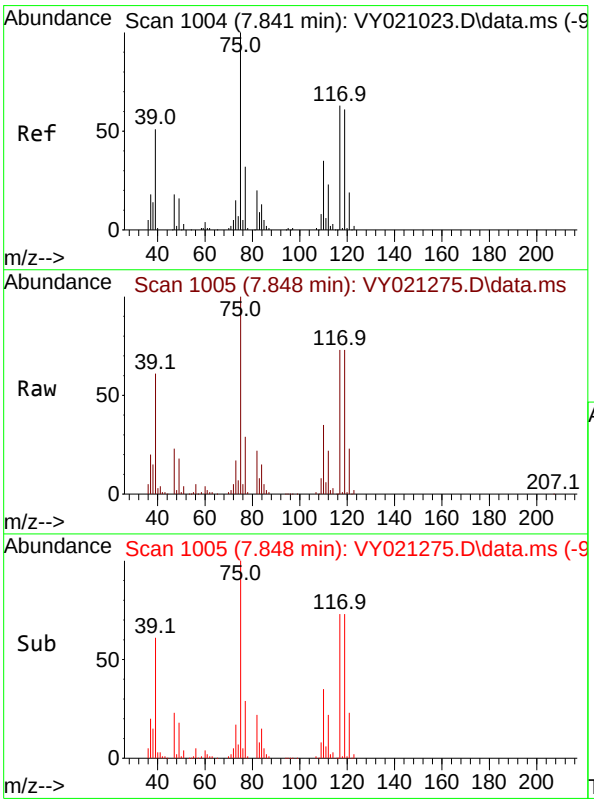
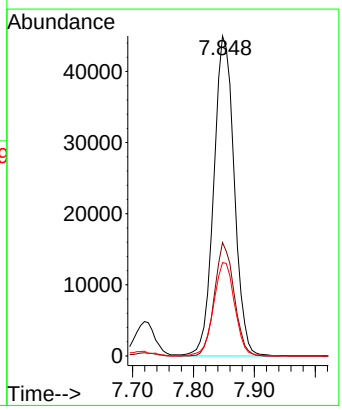
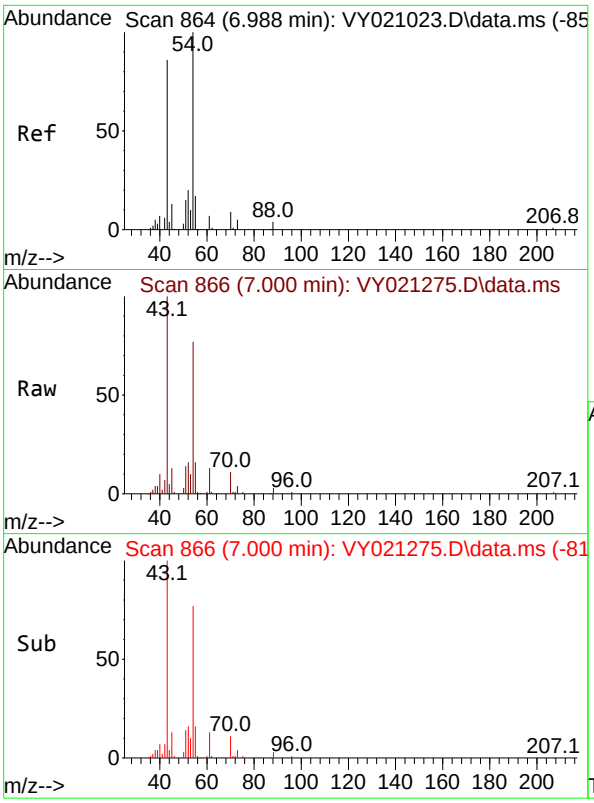



#36
1,1-Dichloropropene
Concen: 50.550 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 75 Resp: 105033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 17.4 | 52.3 |
| 77 | 30.1 | 24.7 | 37.1 |






#37
Ethyl Acetate
Concen: 55.122 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 5024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 11.0 | 16.6 |
| 70 | 9.2 | 8.1 | 12.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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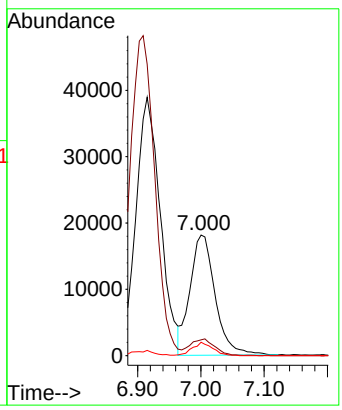
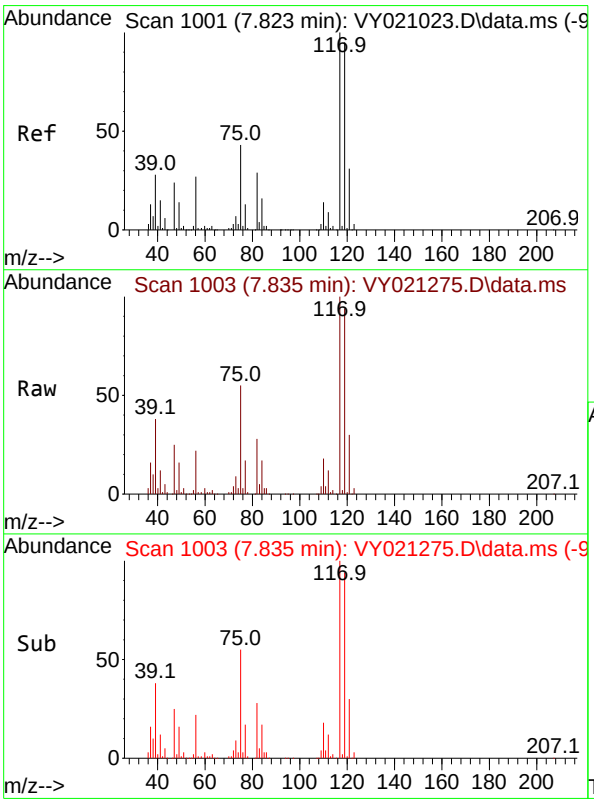
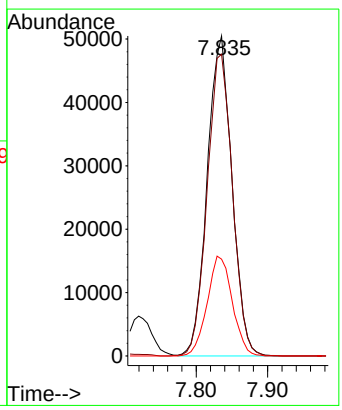


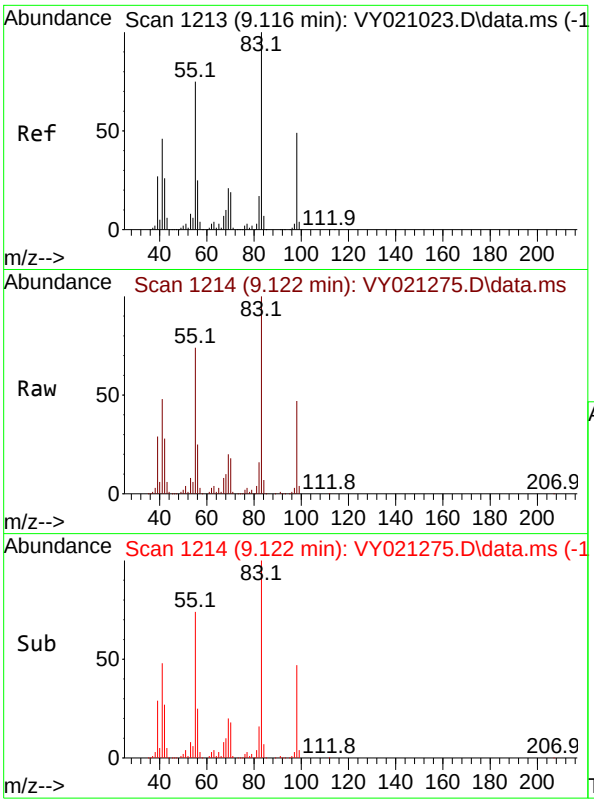




#38
Carbon Tetrachloride
Concen: 49.912 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:117 Resp: 121178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.2 | 76.0 | 114.0 |
| 121 | 30.3 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 45.490 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 83 Resp: 11561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.0 | 59.7 | 89.5 |
| 98 | 47.1 | 38.0 | 57.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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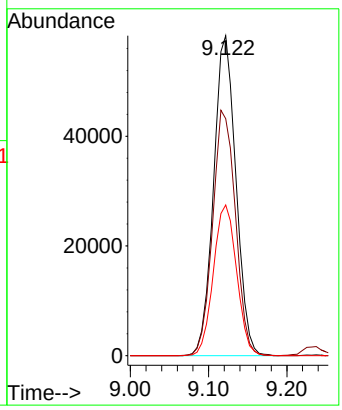
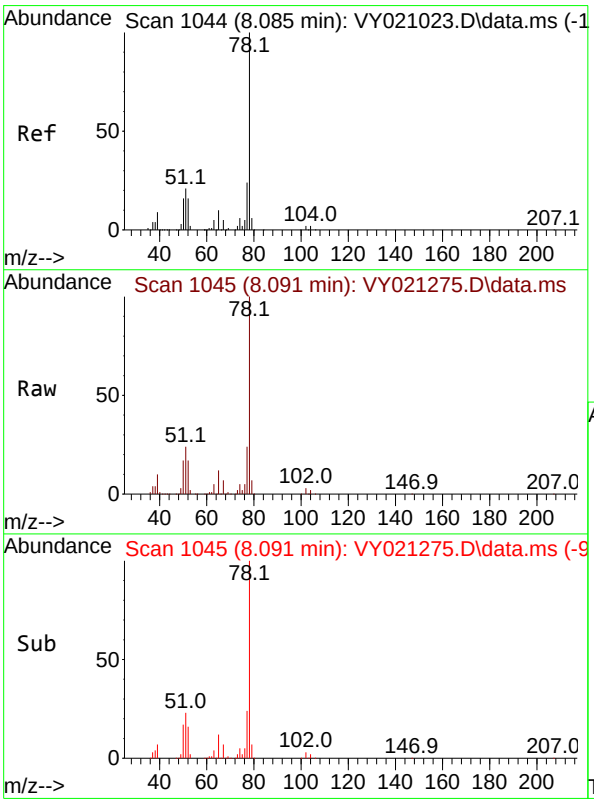
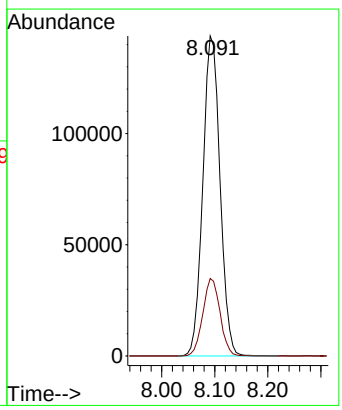


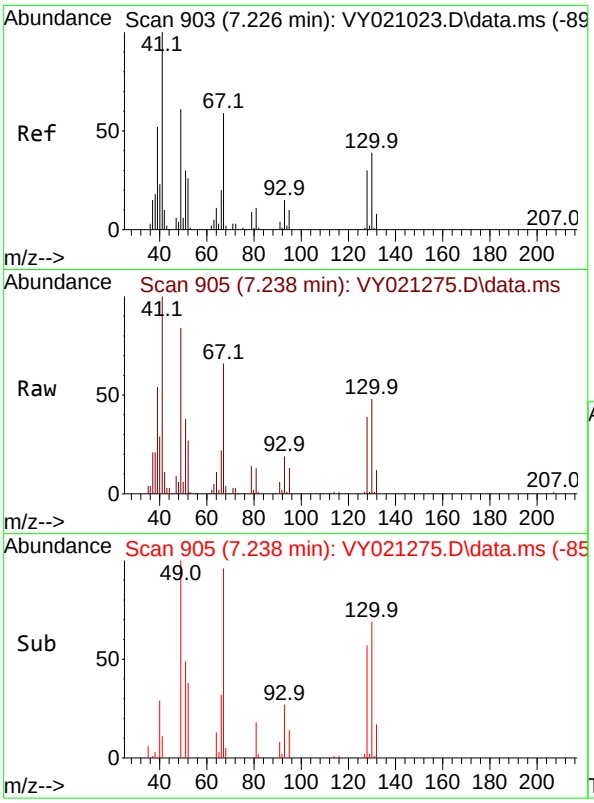




#40
Benzene
Concen: 53.166 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 78 Resp: 324187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.2 | 18.8 | 28.2 |

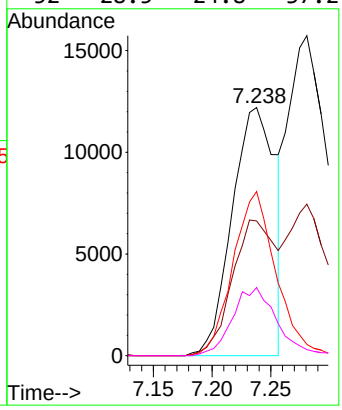





#41
Methacrylonitrile
Concen: 58.909 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 41 Resp: 3106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.4 | 41.9 | 62.9 |
| 67 | 66.7 | 59.8 | 89.6 |
| 52 | 28.5 | 24.8 | 37.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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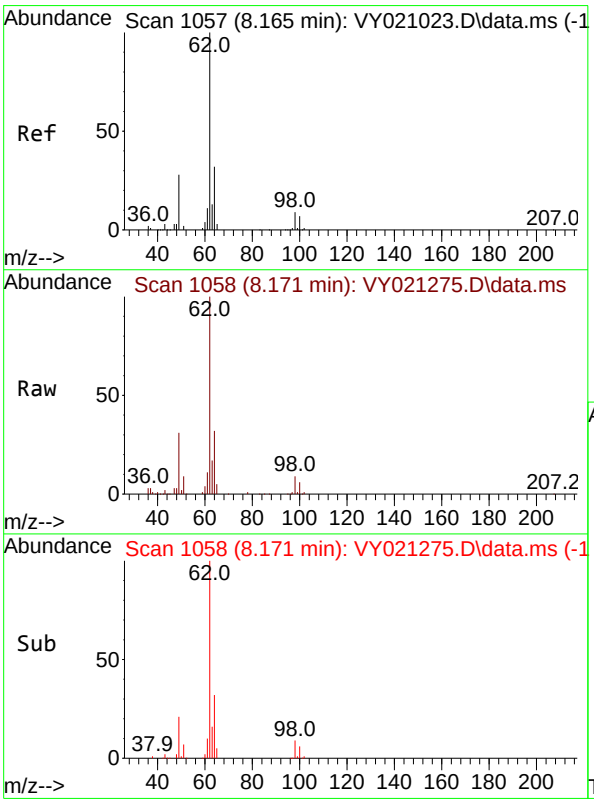
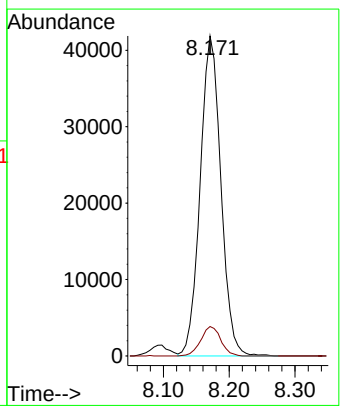
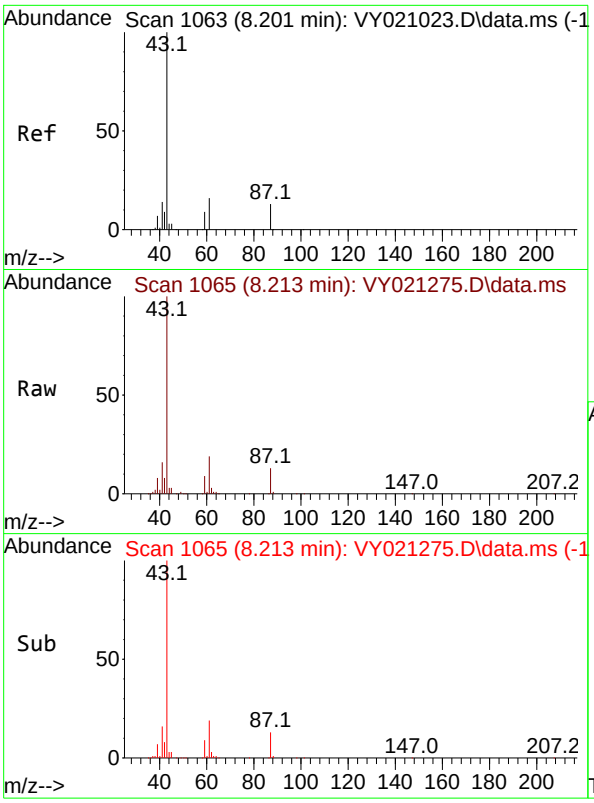



#42
1,2-Dichloroethane
Concen: 54.268 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 62 Resp: 91794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 20.2 |






#43
Isopropyl Acetate
Concen: 56.240 ug/l
RT: 8.213 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 10186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 28.2 | 24.8 | 37.2 |
| 87 | 12.4 | 10.7 | 16.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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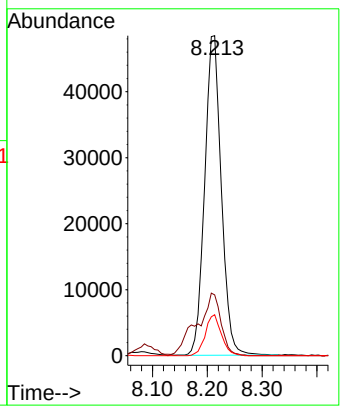
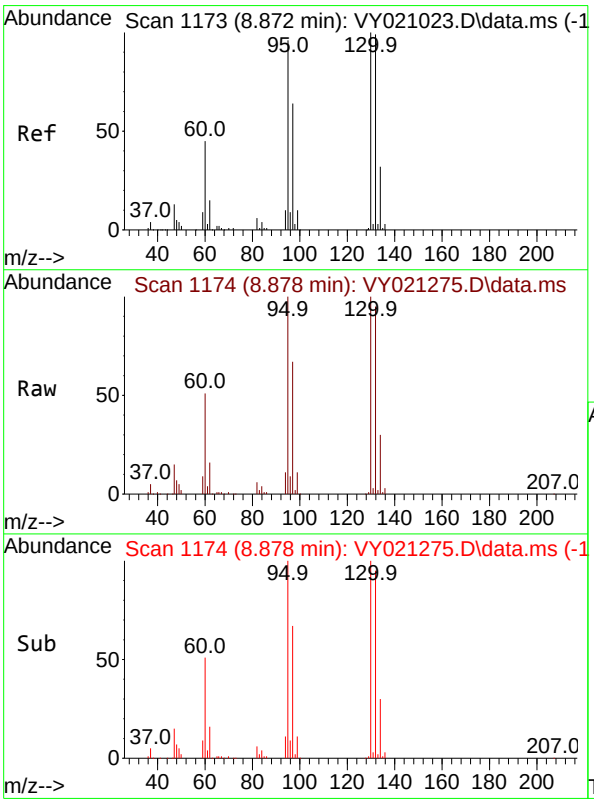
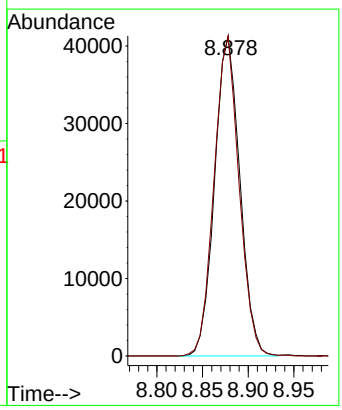


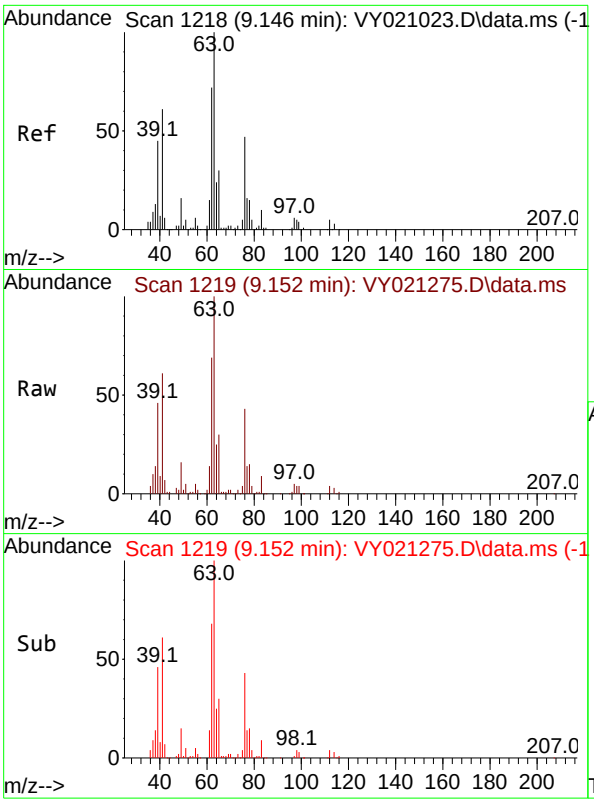




#44
Trichloroethene
Concen: 50.313 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:130 Resp: 79263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.2 | 0.0 | 203.8 |

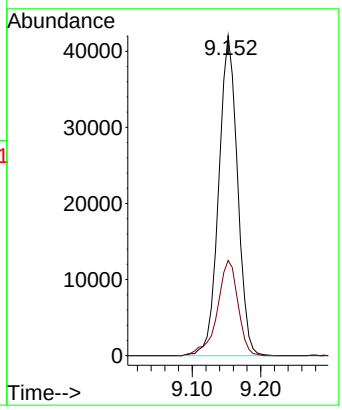





#45
1,2-Dichloropropane
Concen: 55.222 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 63 Resp: 7992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.8 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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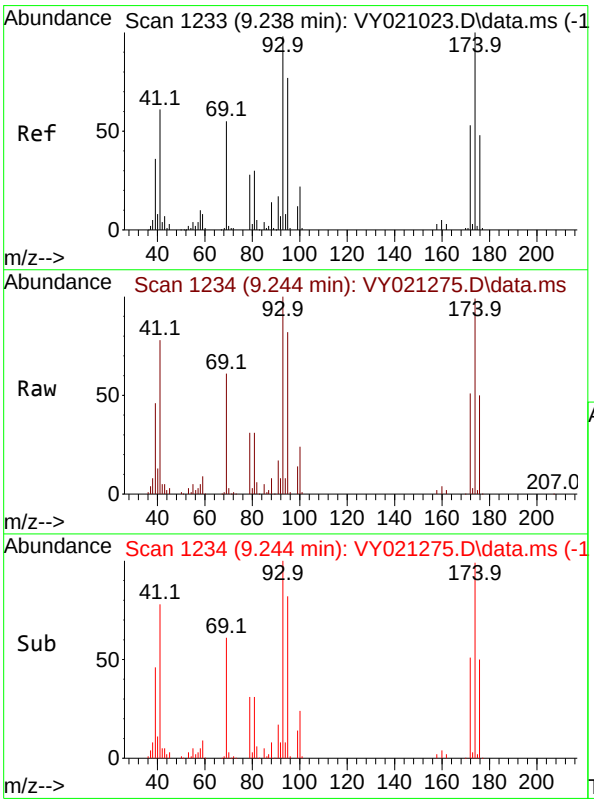
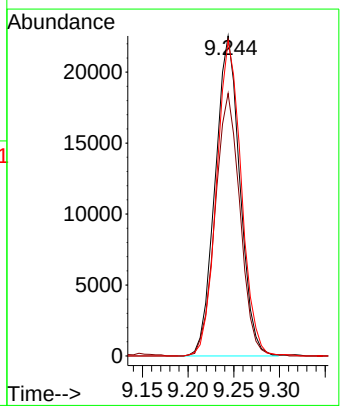
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

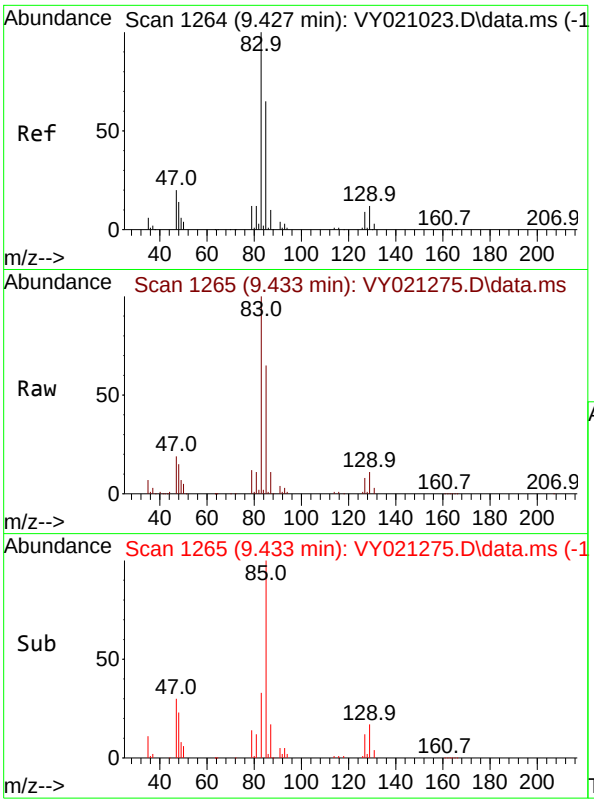



#46
Dibromomethane
Concen: 52.936 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 93 Resp: 42419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 66.6 | 99.8 |
| 174 | 98.6 | 73.8 | 110.6 |

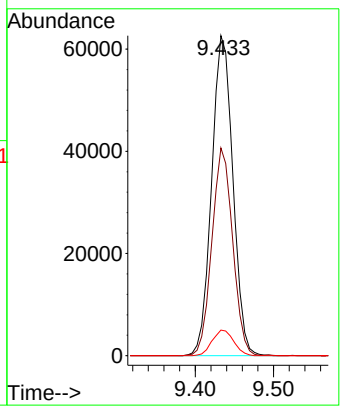





#47
Bromodichloromethane
Concen: 54.838 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 83 Resp: 11785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 53.2 | 79.8 |
| 127 | 8.0 | 6.4 | 9.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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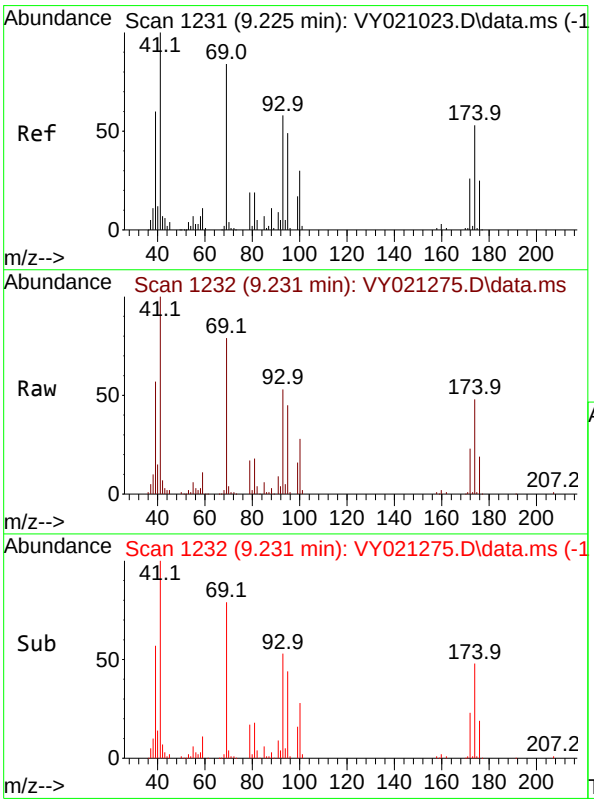
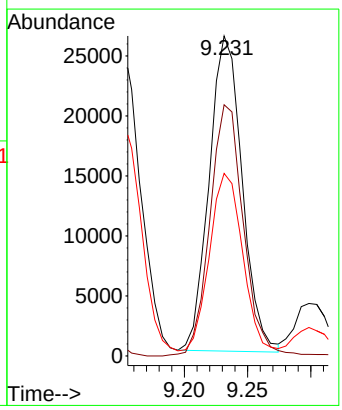
Supervised By :Mahesh Dadoda 02/24/2025

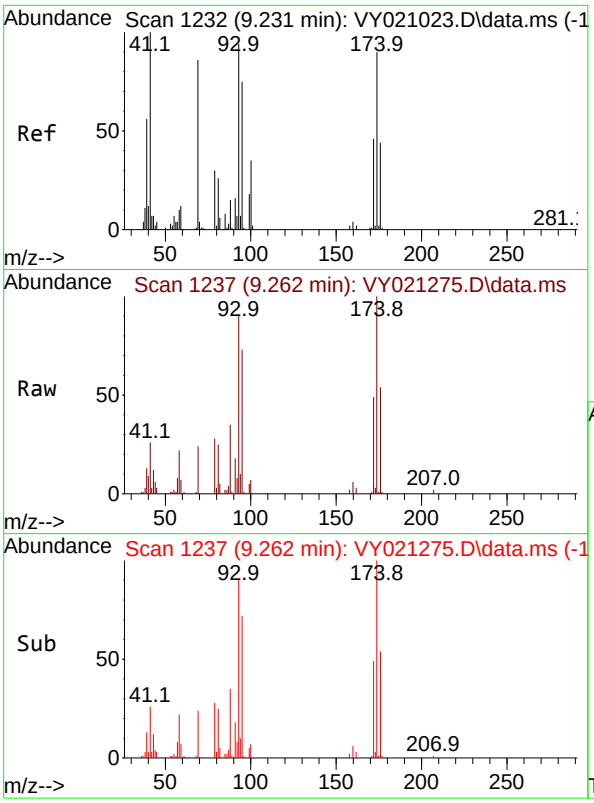



#48
Methyl methacrylate
Concen: 57.687 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 41 Resp: 47593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 81.3 | 72.1 | 108.1 |
| 39 | 59.8 | 42.8 | 64.2 |

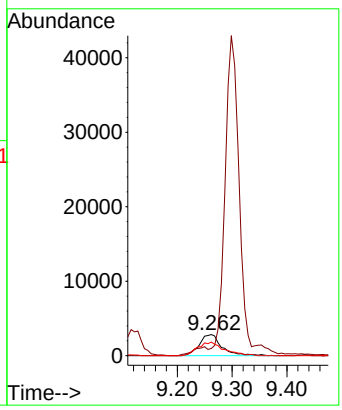





#49
1,4-Dioxane
Concen: 1081.002 ug/l
RT: 9.262 min Scan# 1
Delta R.T. 0.030 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 88 Resp: 806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 27.9 | 28.2 | 42.4 |
| 58 | 75.3 | 52.2 | 78.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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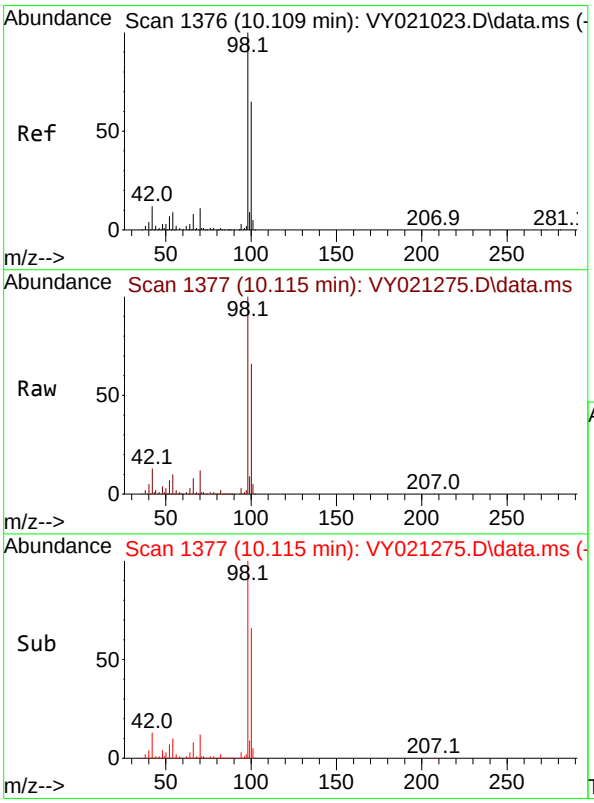
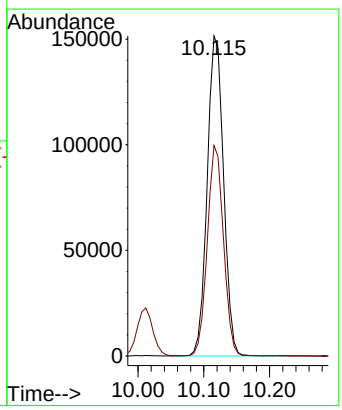
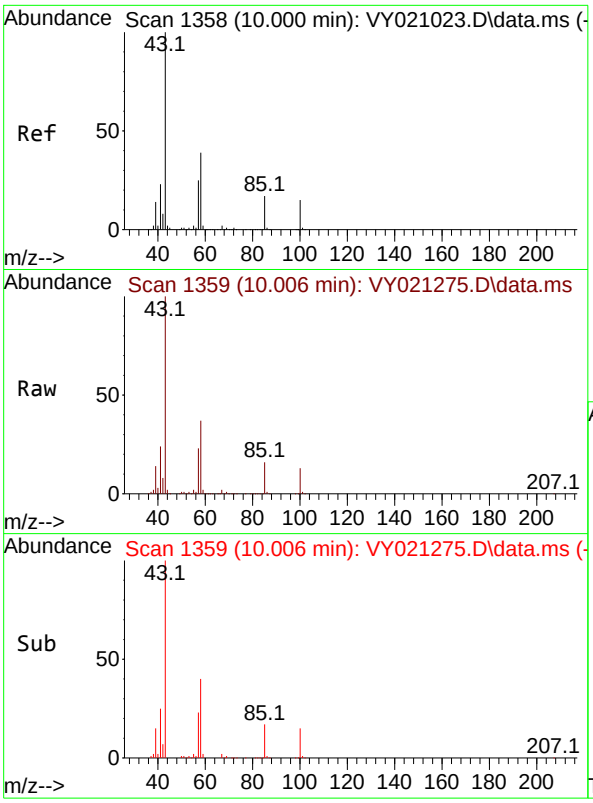



#50
Toluene-d8
Concen: 49.121 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 98 Resp: 262335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 52.3 | 78.5 |

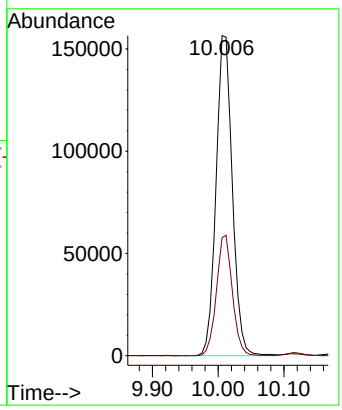





#51
4-Methyl-2-Pentanone
Concen: 296.038 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 26963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 32.2 | 48.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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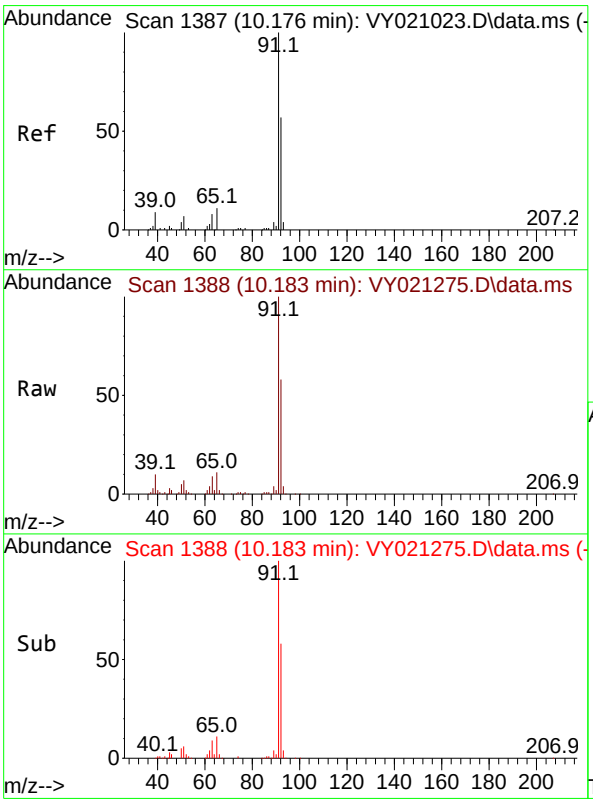
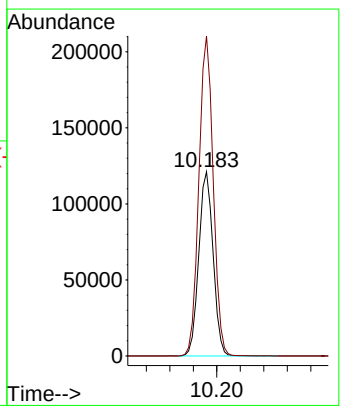
Supervised By :Mahesh Dadoda 02/24/2025

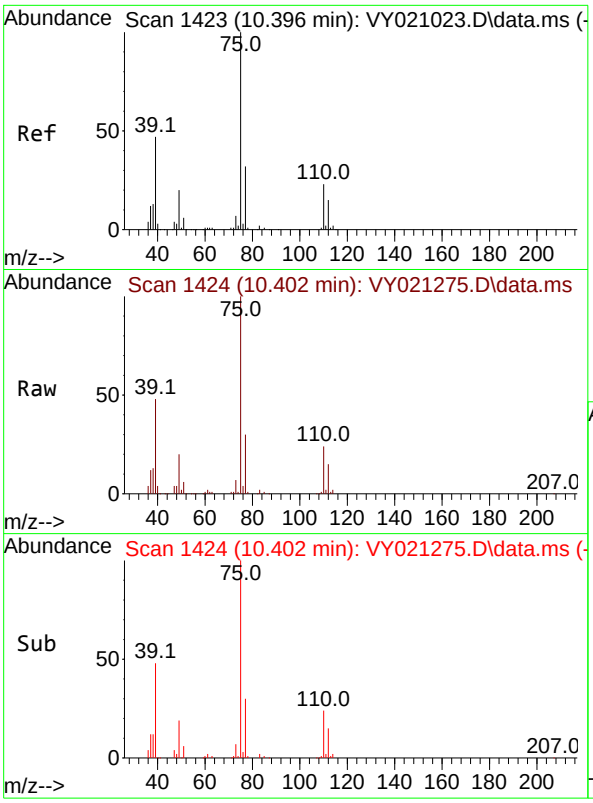



#52
Toluene
Concen: 53.414 ug/l
RT: 10.183 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 92 Resp: 204505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.9 | 137.6 | 206.4 |

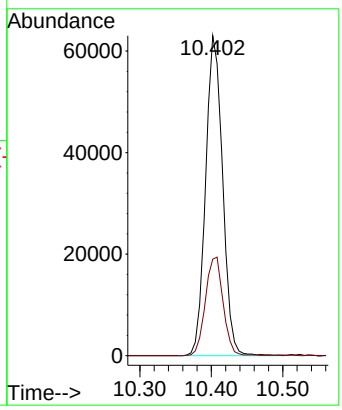





#53
t-1,3-Dichloropropene
Concen: 53.911 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 75 Resp: 10403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.1 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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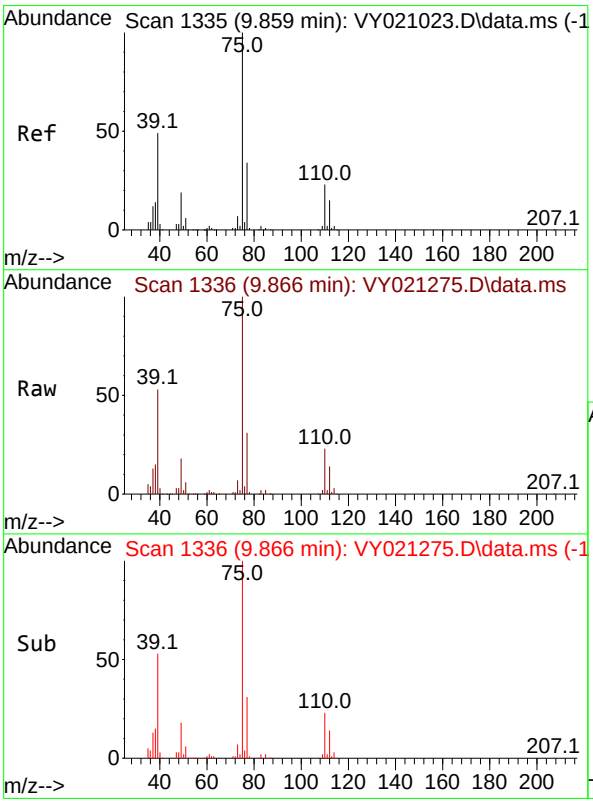
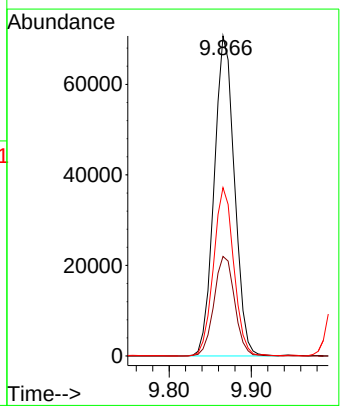
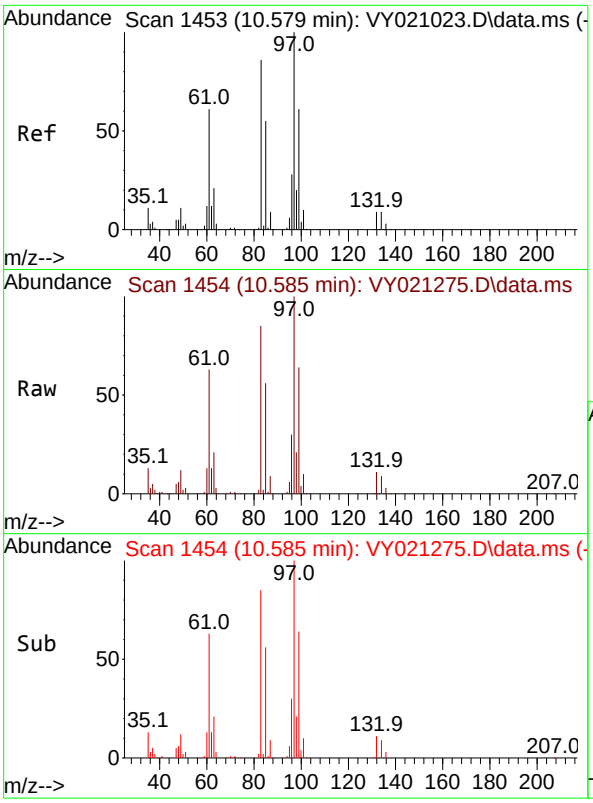



#54
cis-1,3-Dichloropropene
Concen: 53.134 ug/l
RT: 9.866 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 75 Resp: 121404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 24.6 | 36.8 |
| 39 | 52.6 | 33.6 | 50.4# |

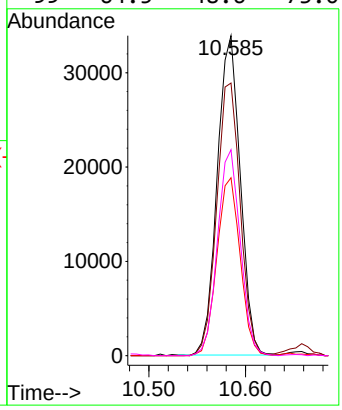





#55
1,1,2-Trichloroethane
Concen: 54.028 ug/l
RT: 10.585 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 97 Resp: 5606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.4 | 69.4 | 104.2 |
| 85 | 55.7 | 43.9 | 65.9 |
| 99 | 64.5 | 48.6 | 73.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :Romaben Patel 02/24/2025
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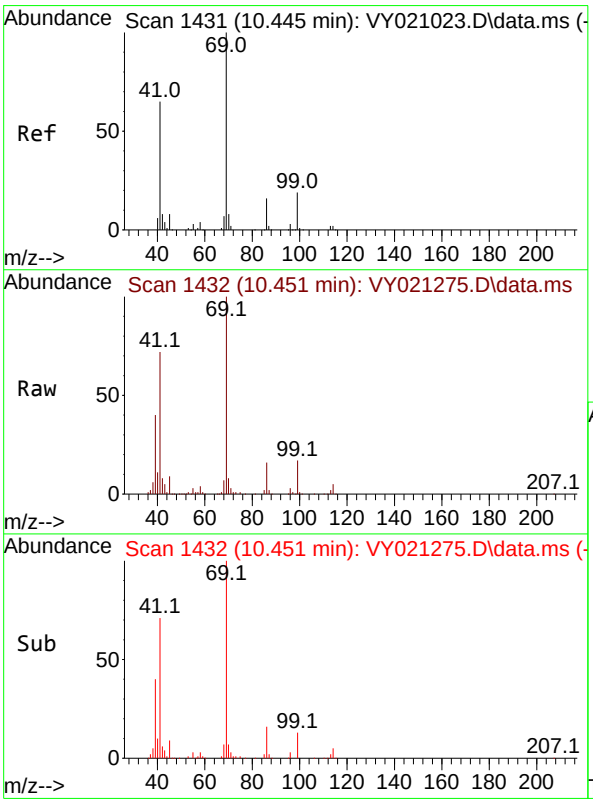
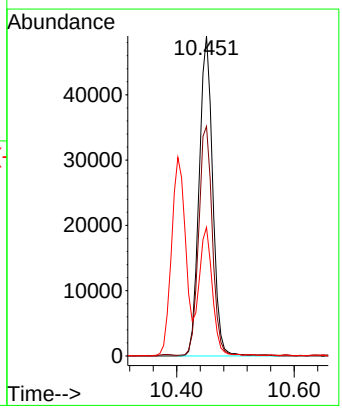
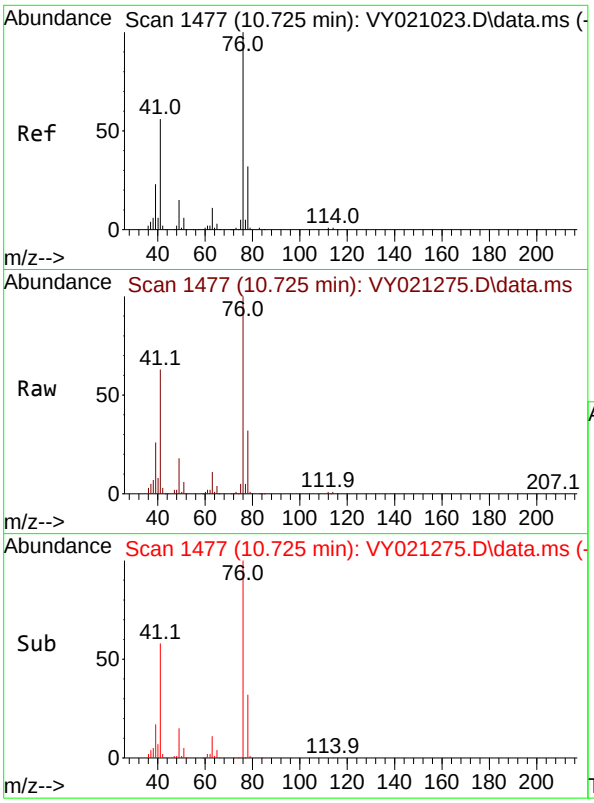



#56
Ethyl methacrylate
Concen: 56.492 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 69 Resp: 78420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 72.0 | 49.2 | 73.8 |
| 39 | 39.3 | 26.8 | 40.2 |

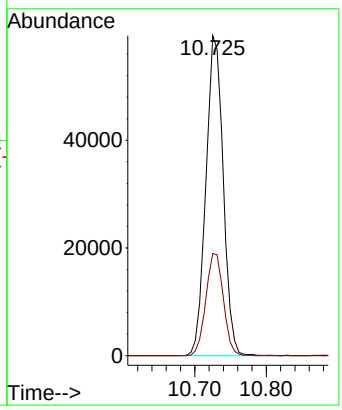





#57
1,3-Dichloropropane
Concen: 55.577 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 76 Resp: 9982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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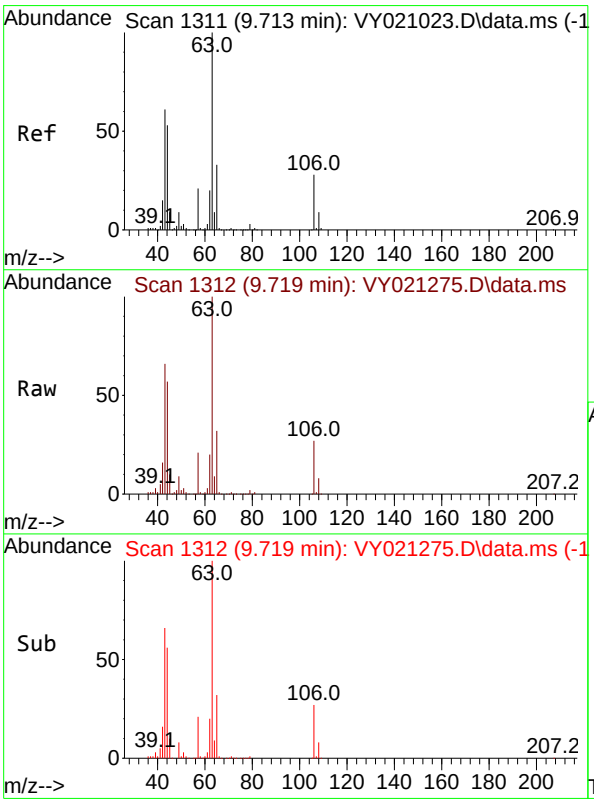
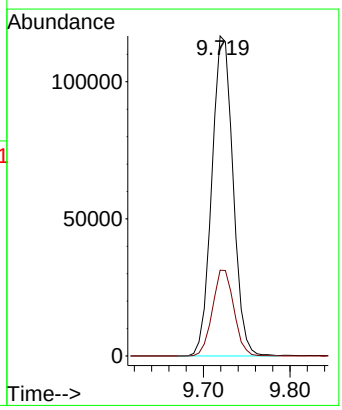
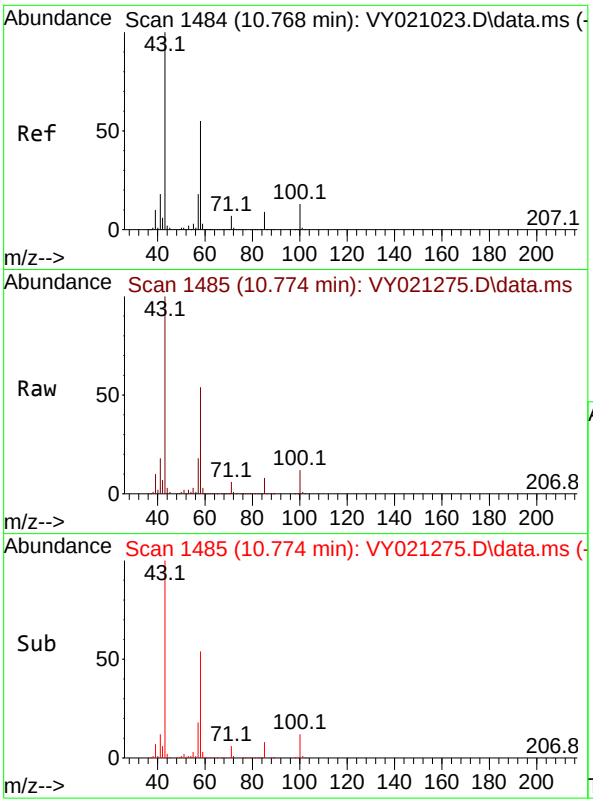



#58
2-Chloroethyl Vinyl ether
Concen: 301.108 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 63 Resp: 198856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.0 | 22.4 | 33.6 |

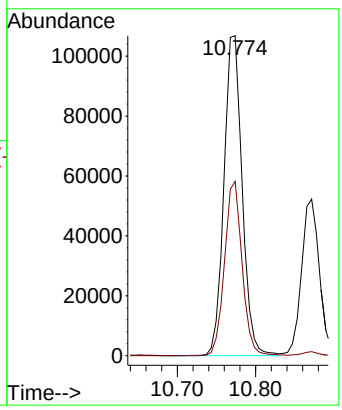





#59
2-Hexanone
Concen: 295.239 ug/l
RT: 10.774 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 17313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.5 | 28.1 | 84.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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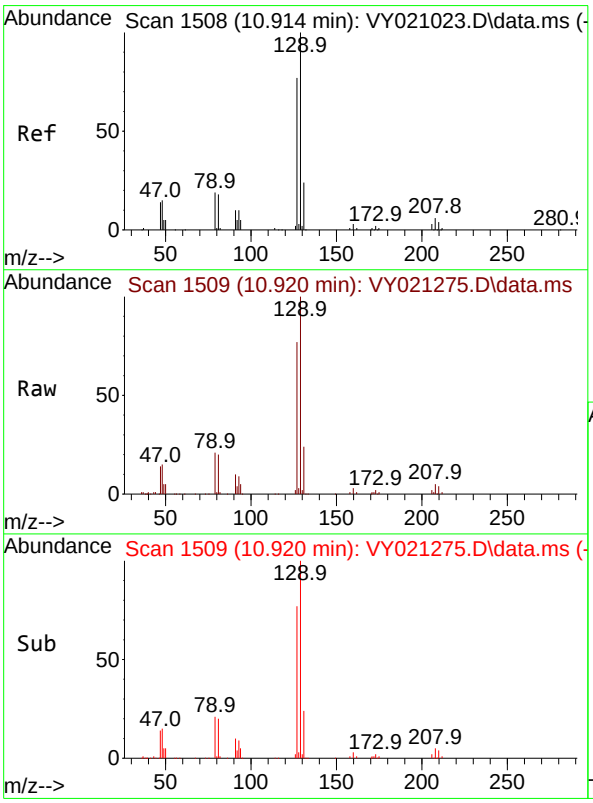
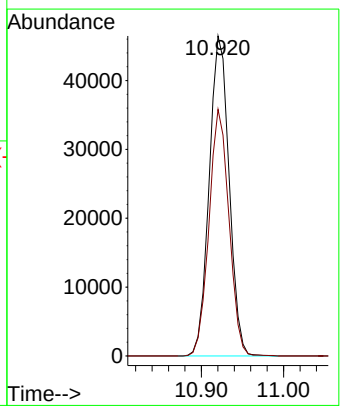
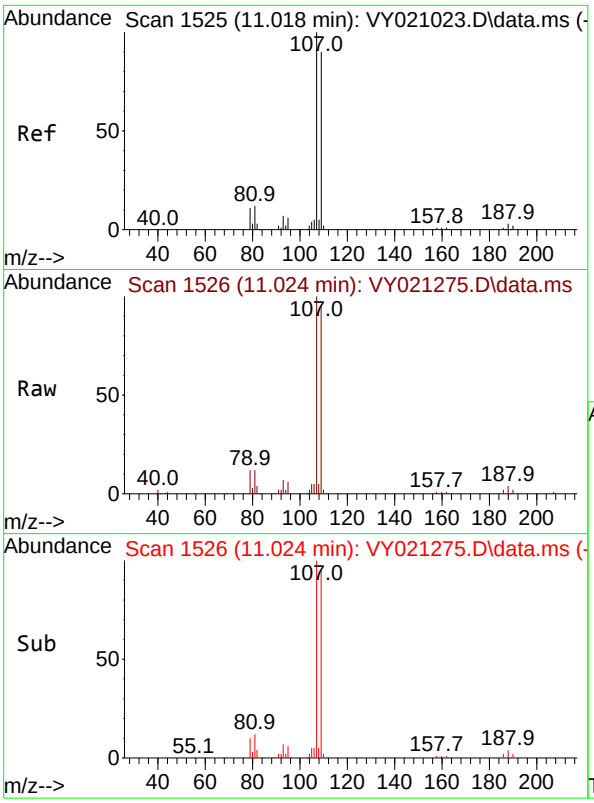



#60
Dibromochloromethane
Concen: 53.569 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:129 Resp: 78064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.4 | 39.2 | 117.6 |

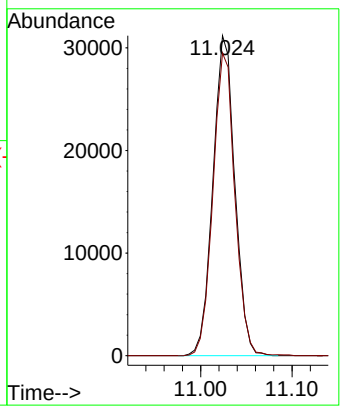





#61
1,2-Dibromoethane
Concen: 53.496 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:107 Resp: 5199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.7 | 75.4 | 113.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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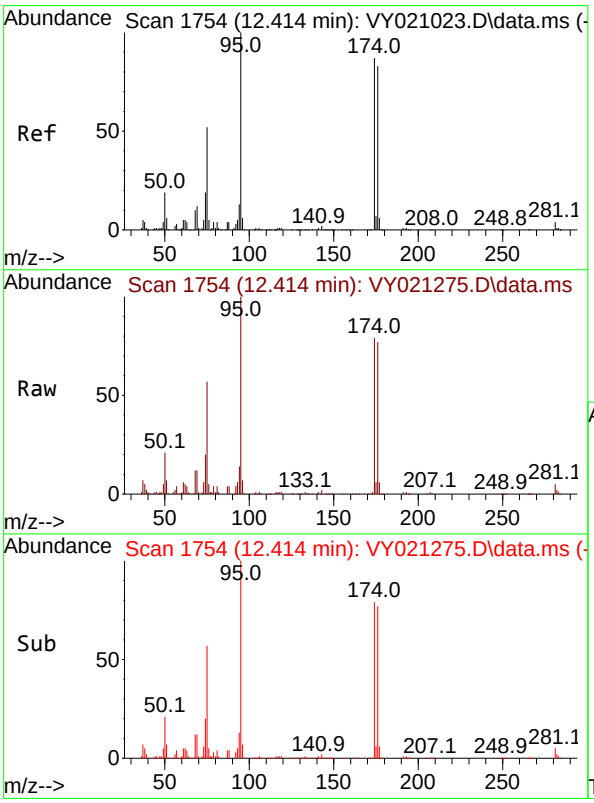
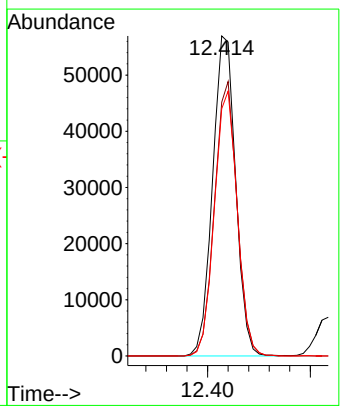
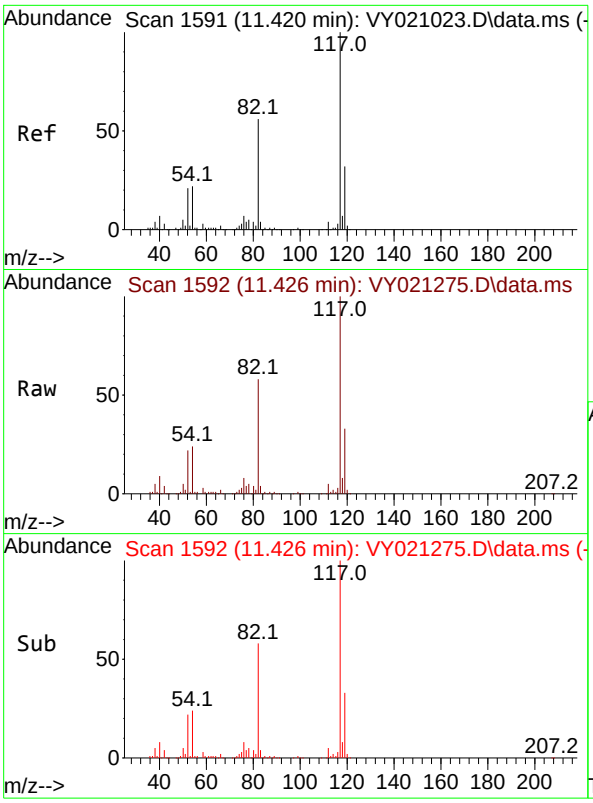



#62
4-Bromofluorobenzene
Concen: 50.693 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 95 Resp: 88447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.0 | 0.0 | 160.0 |
| 176 | 82.2 | 0.0 | 151.8 |

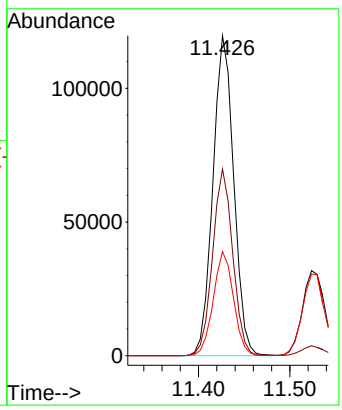





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:117 Resp: 18943

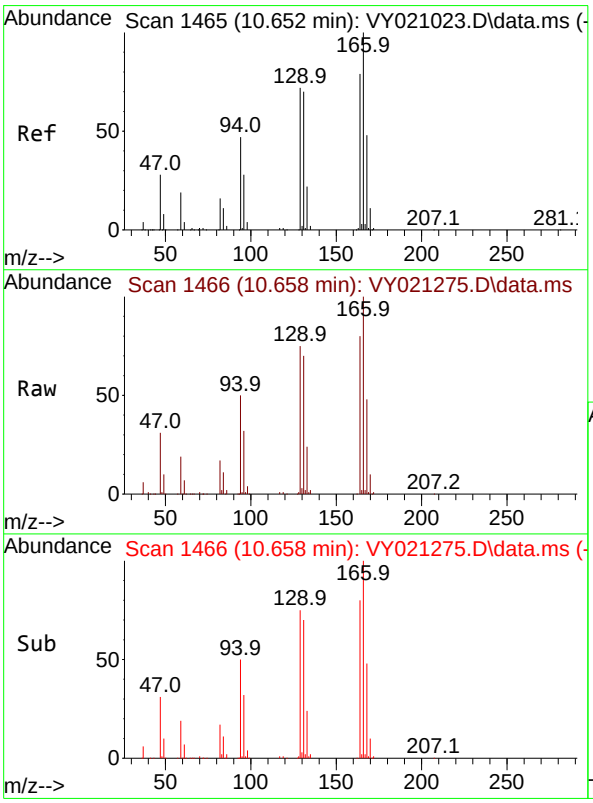
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.3 | 43.8 | 65.8 |
| 119 | 32.6 | 26.5 | 39.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

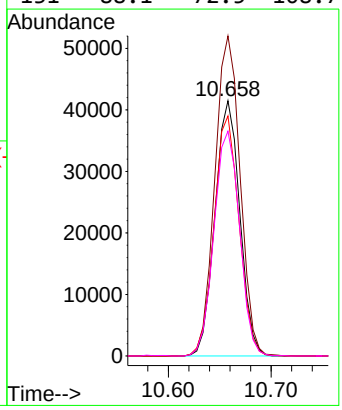
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

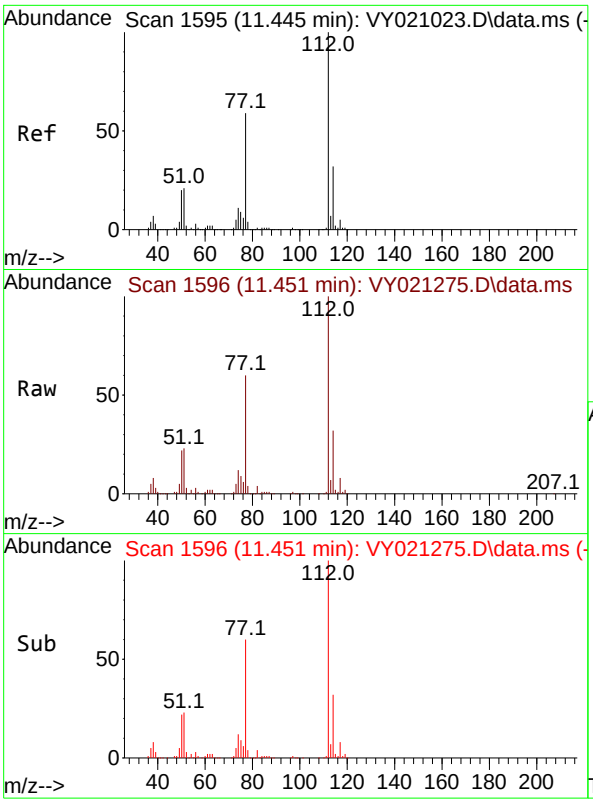



#64
Tetrachloroethene
Concen: 49.474 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:164 Resp: 69573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.4 | 98.8 | 148.2 |
| 129 | 94.0 | 78.9 | 118.3 |
| 131 | 88.1 | 72.5 | 108.7 |

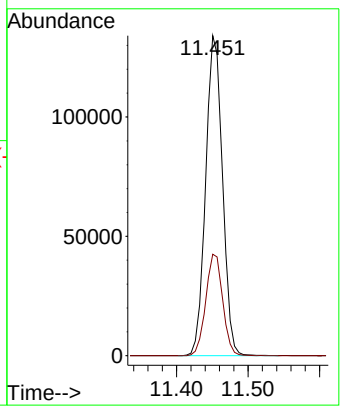





#65
Chlorobenzene
Concen: 51.935 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:112 Resp: 21906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :Romaben Patel 02/24/2025
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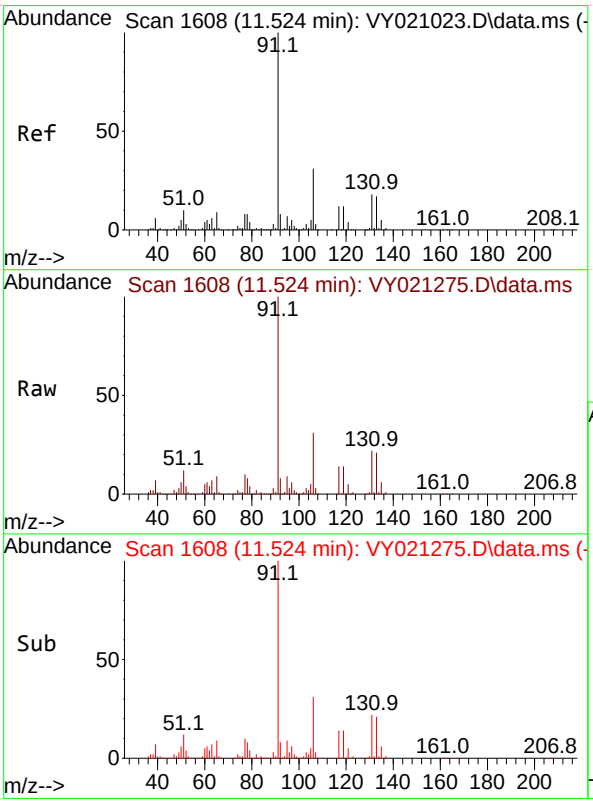
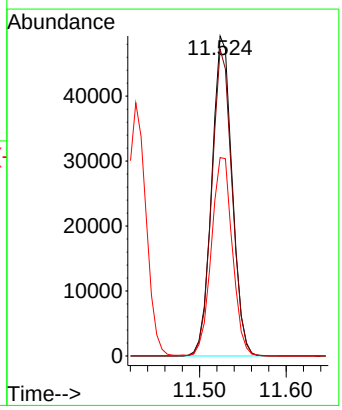
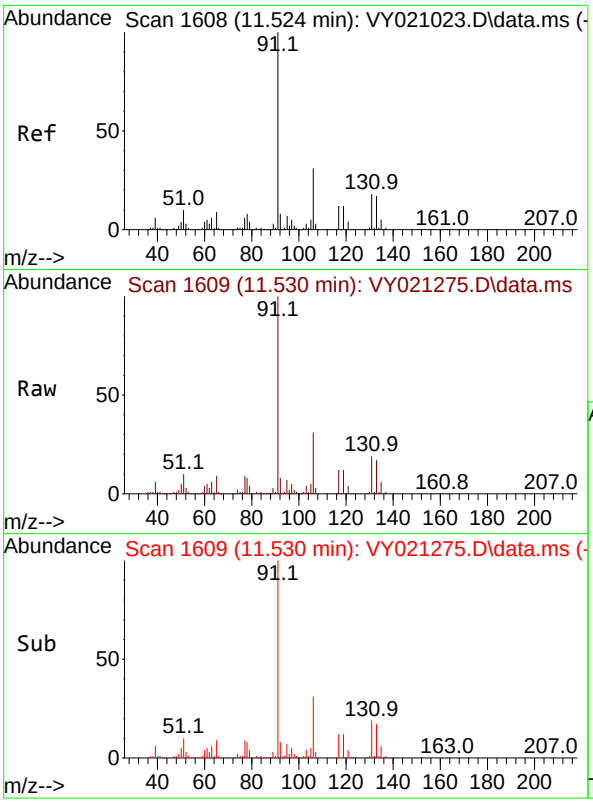



#66
1,1,1,2-Tetrachloroethane
Concen: 53.694 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:131 Resp: 80486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.4 | 47.0 | 141.0 |
| 119 | 64.0 | 33.3 | 99.9 |

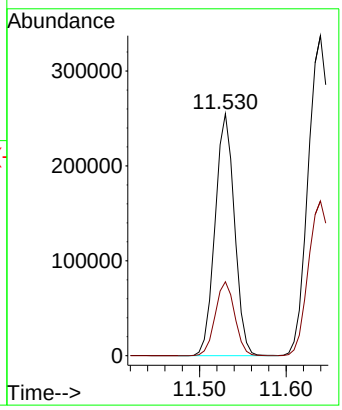





#67
Ethyl Benzene
Concen: 53.106 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 91 Resp: 39620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 25.0 | 37.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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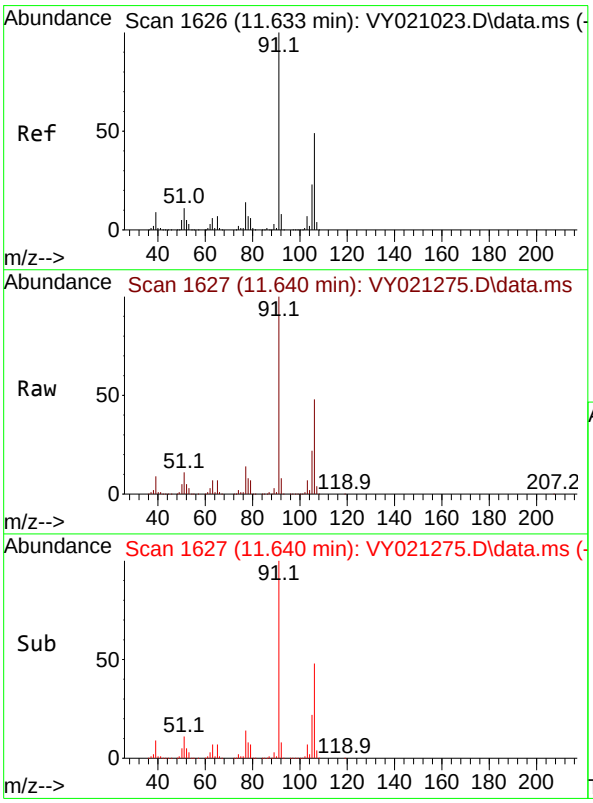
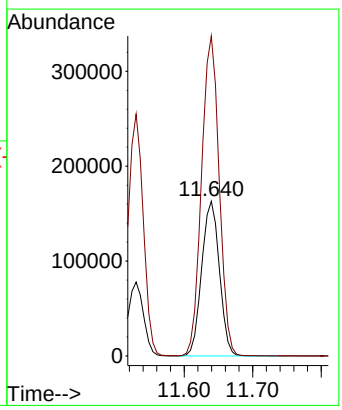
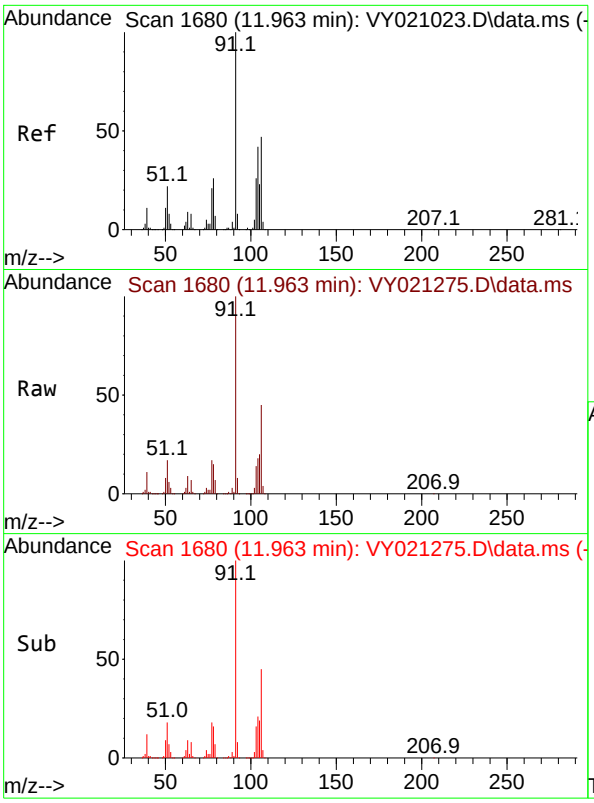



#68
m/p-Xylenes
Concen: 105.084 ug/l
RT: 11.640 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:106 Resp: 293291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.3 | 160.7 | 241.1 |






#69
o-Xylene
Concen: 53.345 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:106 Resp: 13881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.0 | 106.5 | 319.5 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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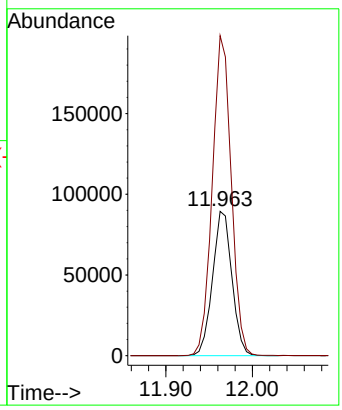
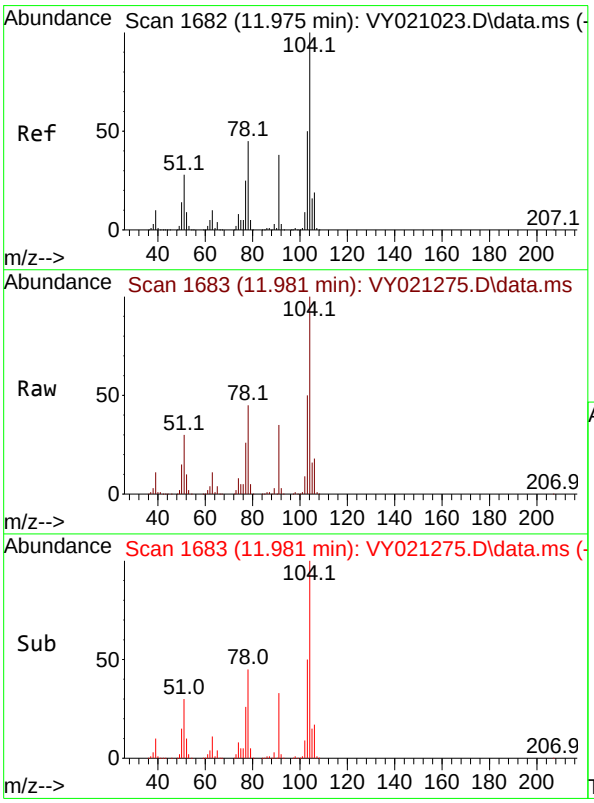
Supervised By :Mahesh Dadoda 02/24/2025

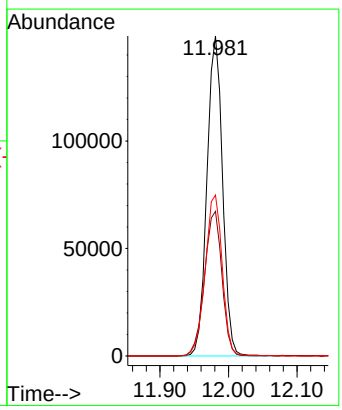


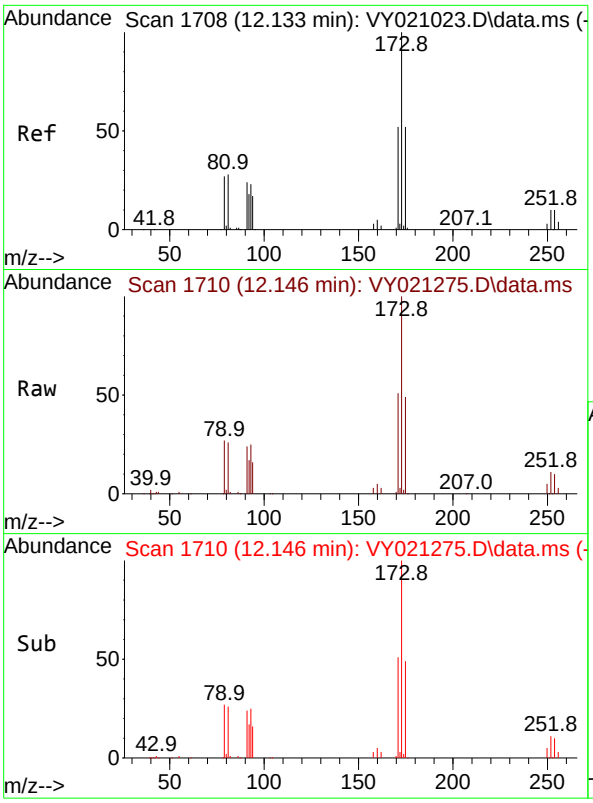




#70
Styrene
Concen: 54.506 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:104 Resp: 236391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.6 | 39.2 | 58.8 |
| 103 | 54.9 | 43.8 | 65.6 |

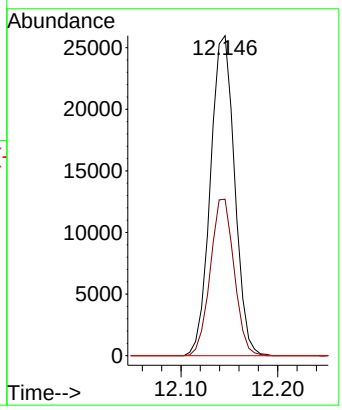





#71
Bromoform
Concen: 54.009 ug/l
RT: 12.146 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:173 Resp: 4506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 23.5 | 70.6 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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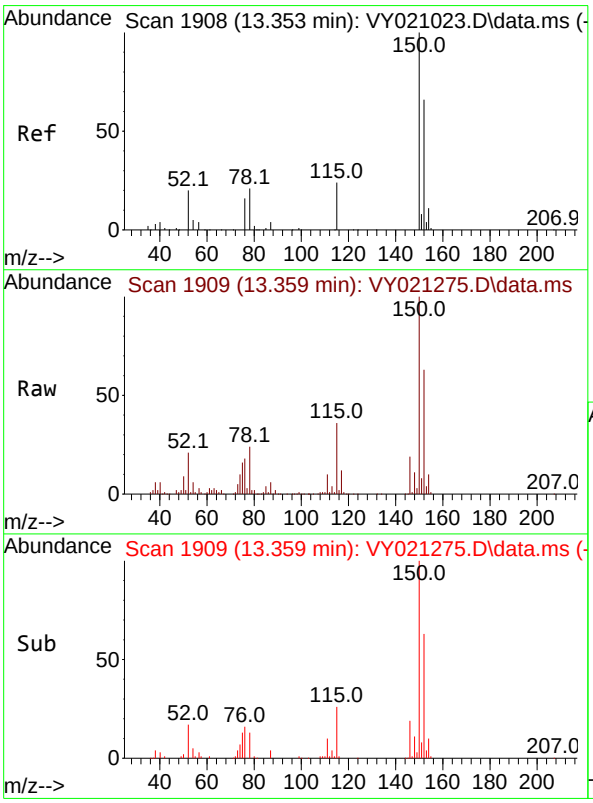
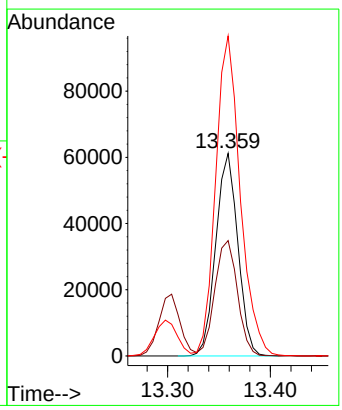
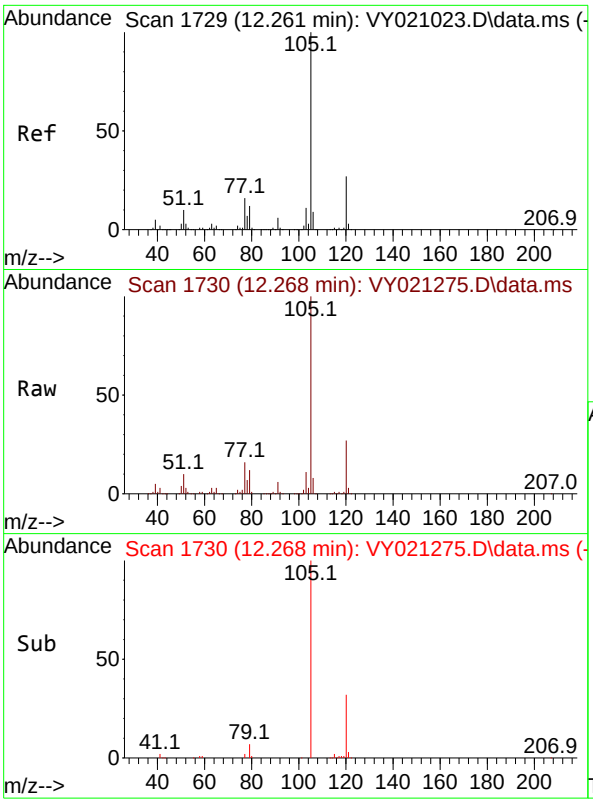



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:152 Resp: 91135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.6 | 30.0 | 90.0 |
| 150 | 176.1 | 0.0 | 344.6 |

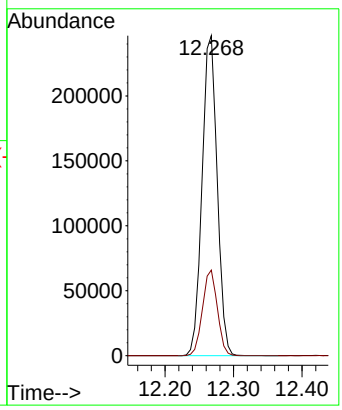





#73
Isopropylbenzene
Concen: 53.138 ug/l
RT: 12.268 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:105 Resp: 37828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 39.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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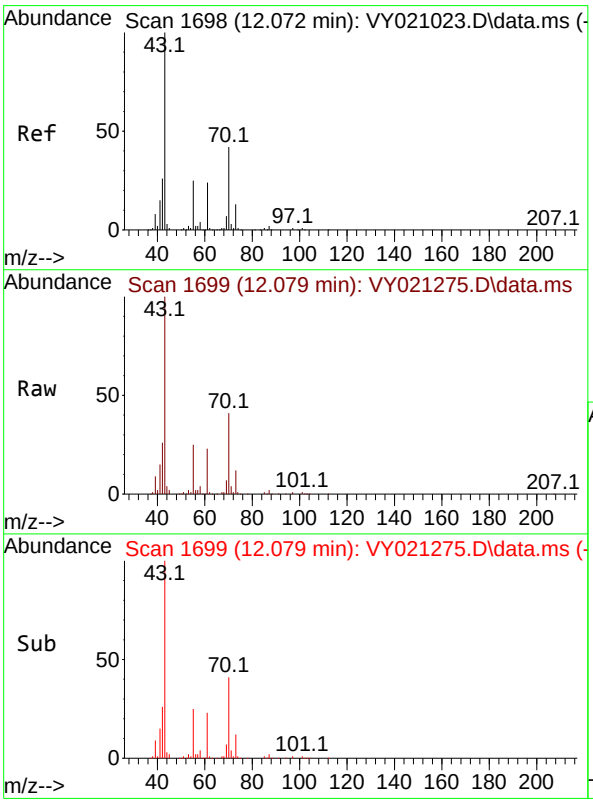
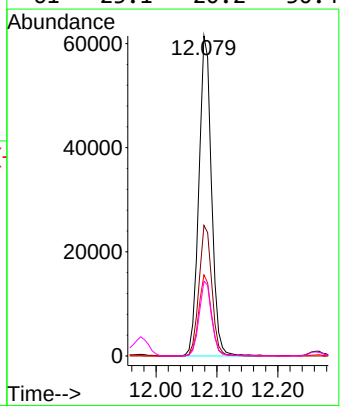
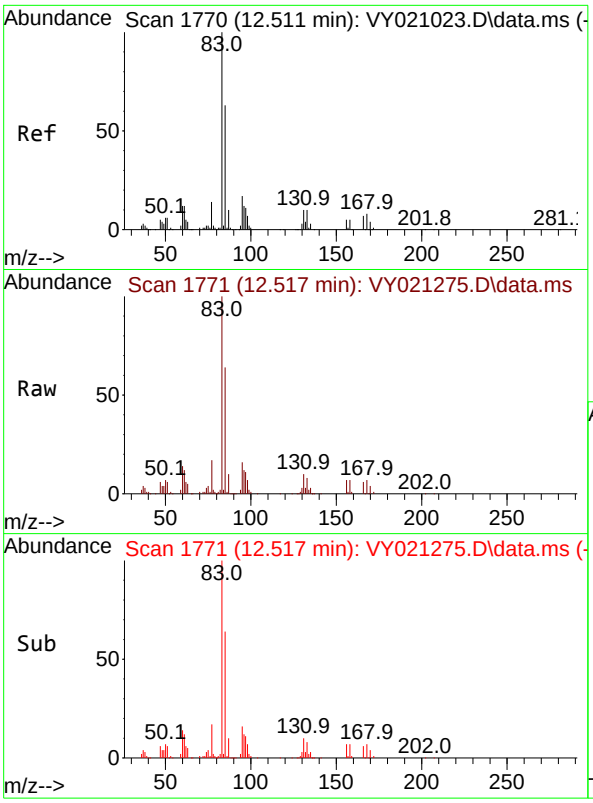



#74
N-amyl acetate
Concen: 56.918 ug/l
RT: 12.079 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 88587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.2 | 36.6 | 55.0 |
| 55 | 25.2 | 22.2 | 33.4 |
| 61 | 23.1 | 20.2 | 30.4 |

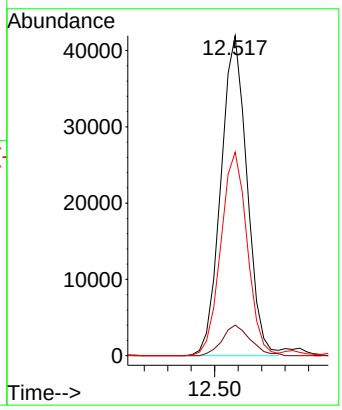





#75
1,1,2,2-Tetrachloroethane
Concen: 54.792 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 83 Resp: 6487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 4.9 | 14.6 |
| 85 | 64.2 | 32.6 | 98.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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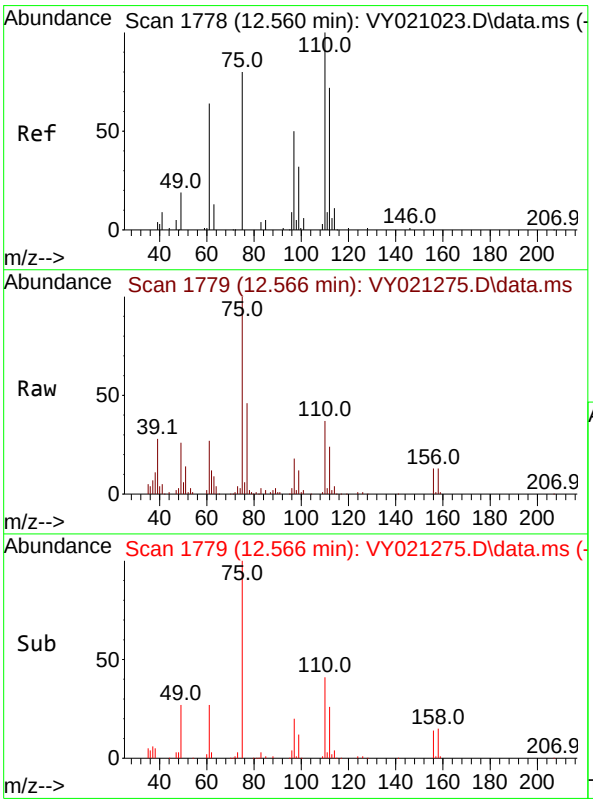
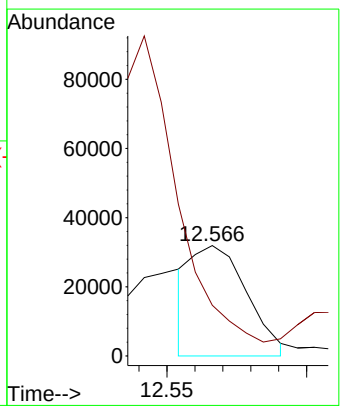
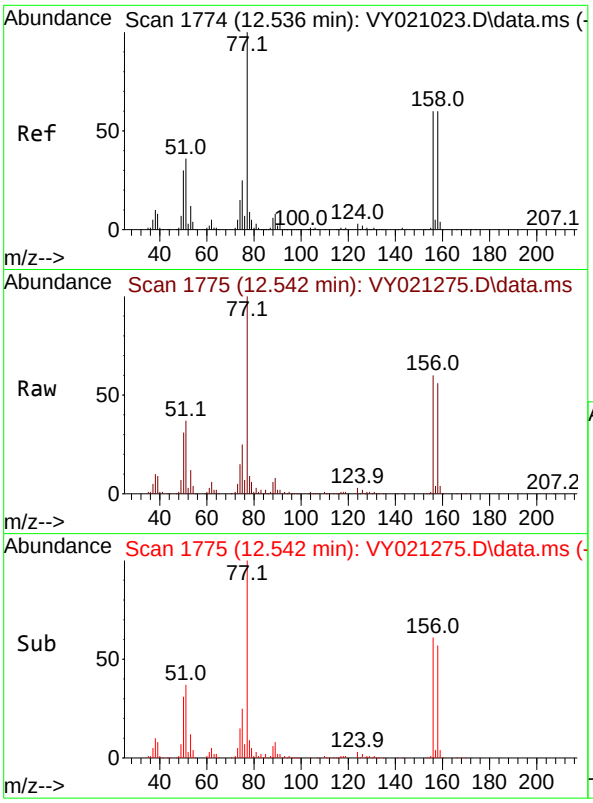



#76
1,2,3-Trichloropropane
Concen: 53.679 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 75 Resp: 44377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

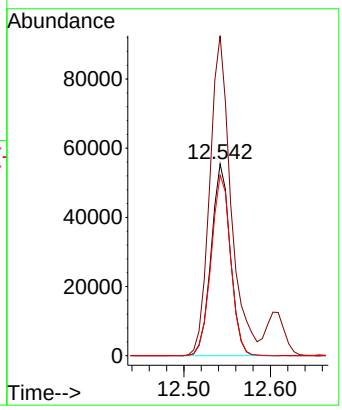





#77
Bromobenzene
Concen: 51.497 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:156 Resp: 8460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.6 | 97.3 | 291.8 |
| 158 | 96.2 | 48.4 | 145.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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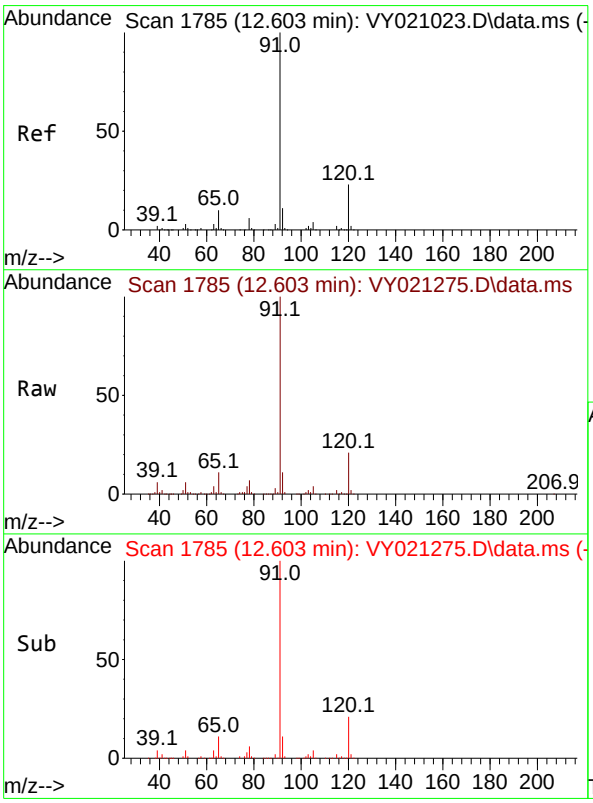
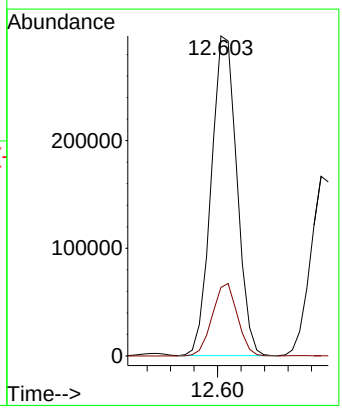
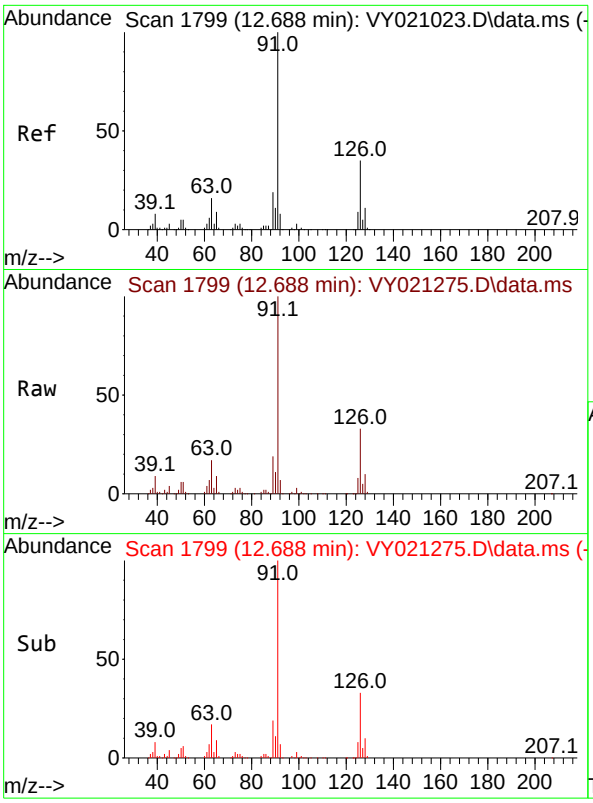



#78
n-propylbenzene
Concen: 53.097 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 91 Resp: 450276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.0 | 33.0 |

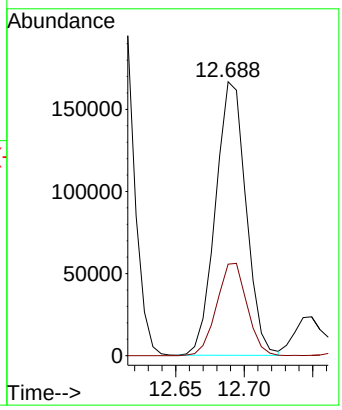





#79
2-Chlorotoluene
Concen: 53.148 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 91 Resp: 25814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 17.0 | 51.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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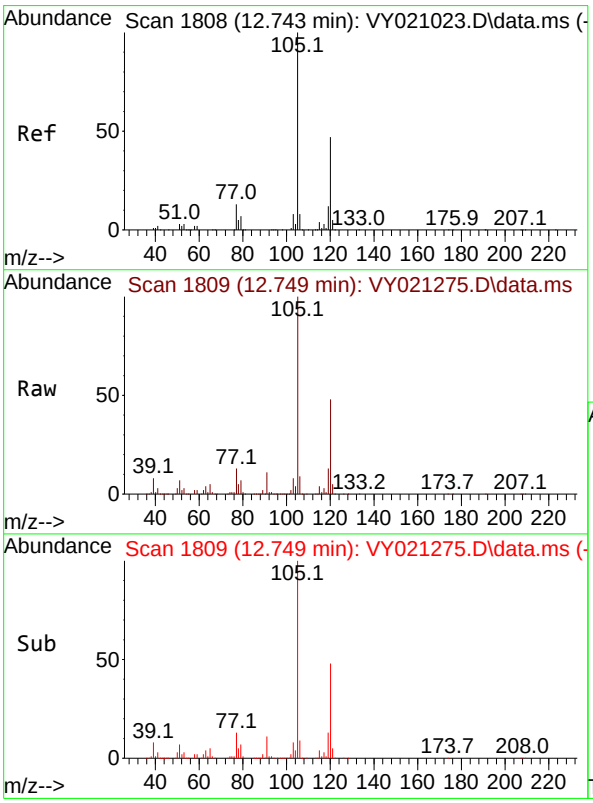
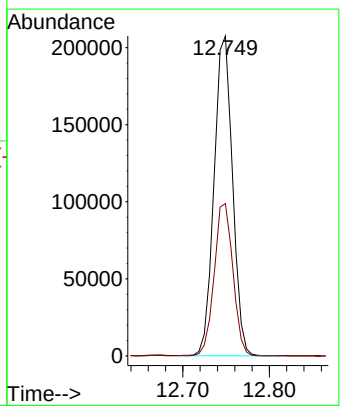
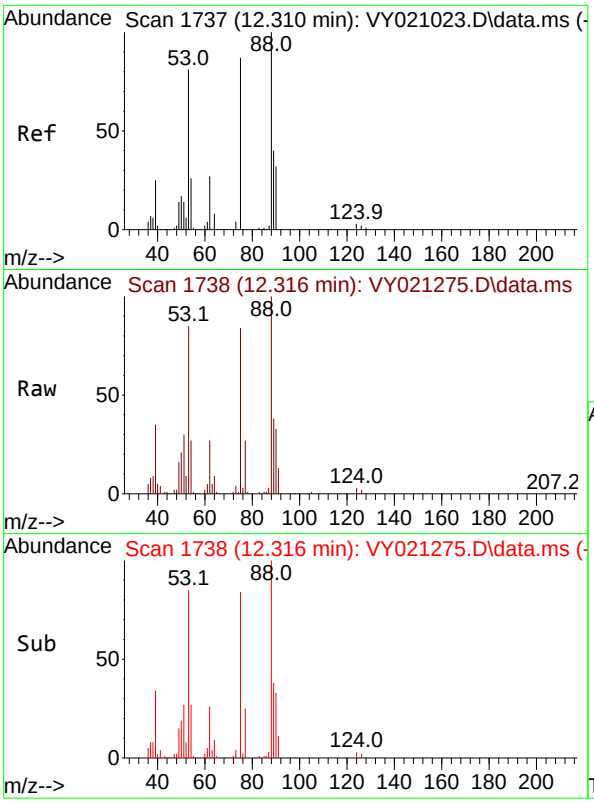



#80
1,3,5-Trimethylbenzene
Concen: 53.225 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:105 Resp: 307207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.3 | 72.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 51.805 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

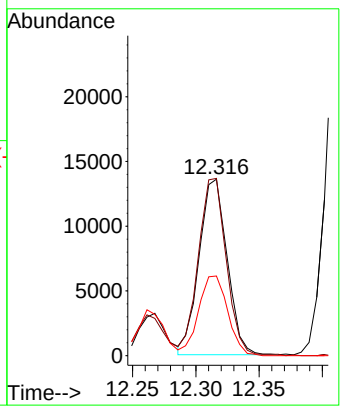
Tgt Ion: 75 Resp: 2098

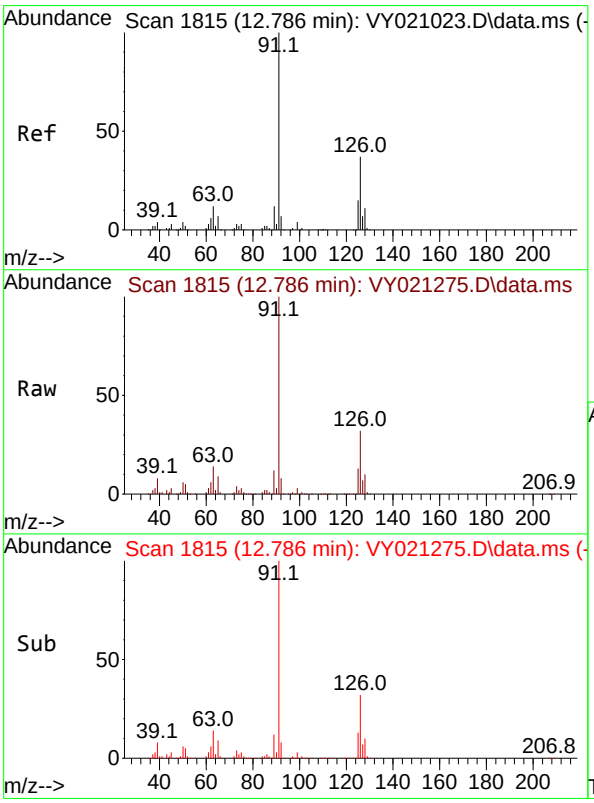
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 100.8 | 74.0 | 111.0 |
| 89 | 47.2 | 36.5 | 54.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

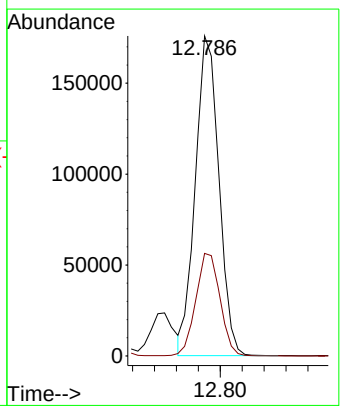


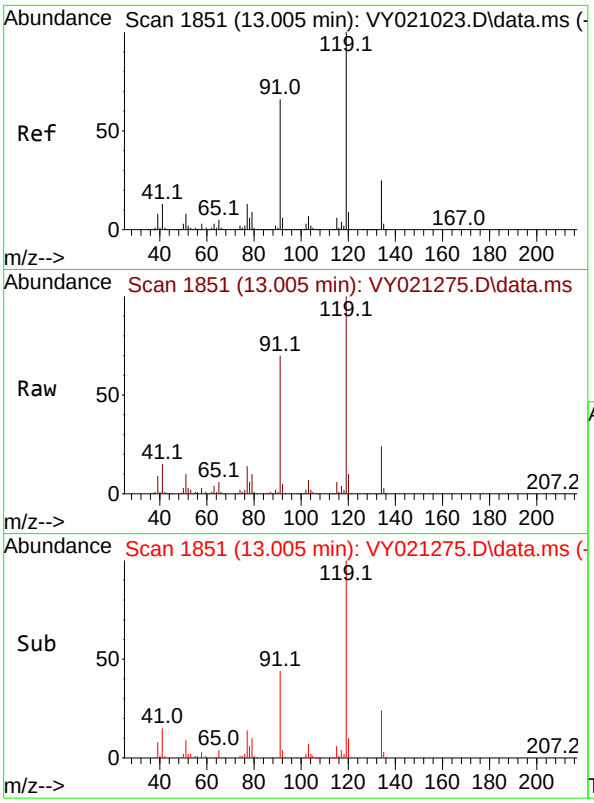




#82
4-Chlorotoluene
Concen: 53.017 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 91 Resp: 262361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.1 | 17.1 | 51.2 |

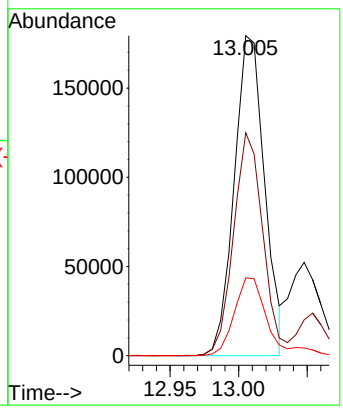





#83
tert-Butylbenzene
Concen: 52.716 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:119 Resp: 27656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.5 | 31.5 | 94.5 |
| 134 | 26.8 | 13.1 | 39.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :Romaben Patel 02/24/2025
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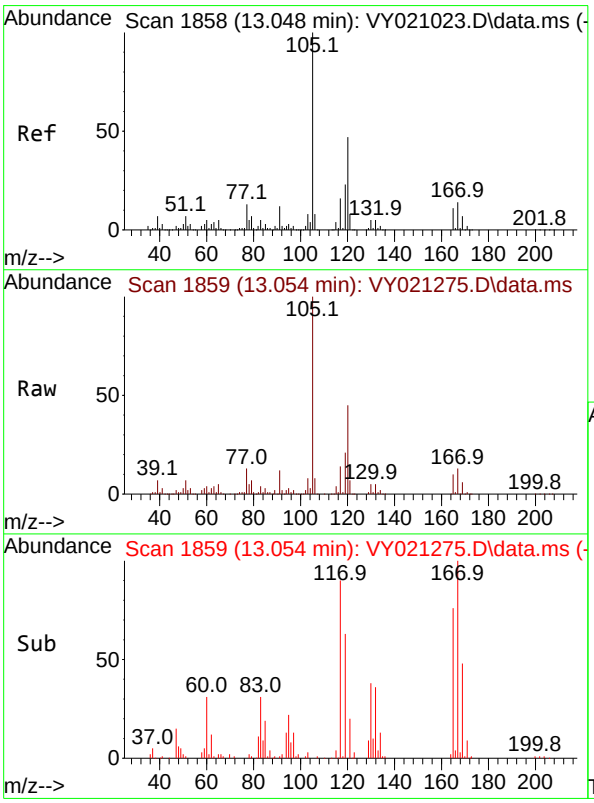
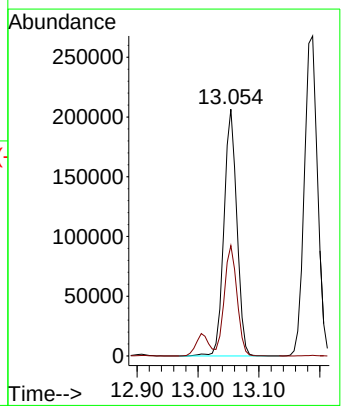
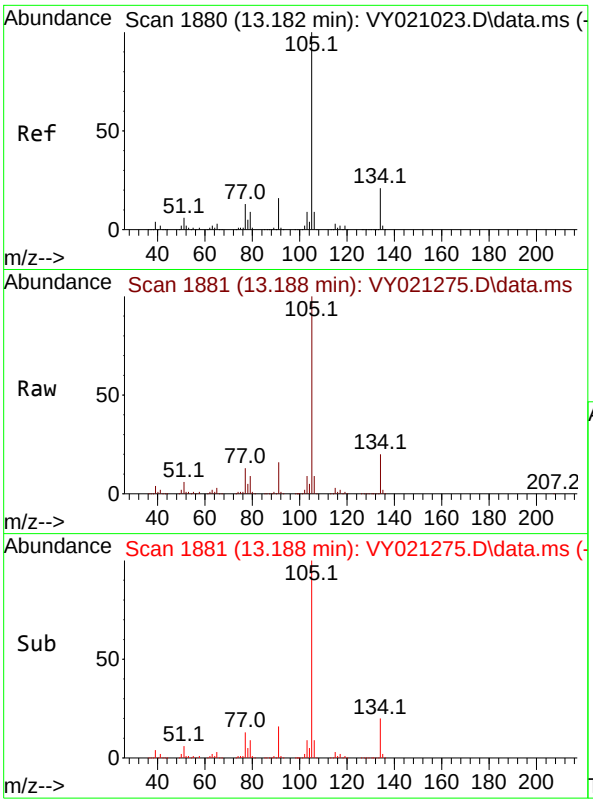



#84
1,2,4-Trimethylbenzene
Concen: 53.838 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:105 Resp: 303836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 22.1 | 66.3 |

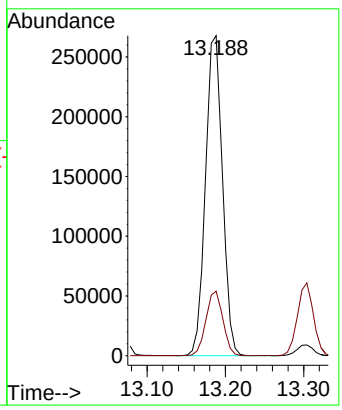





#85
sec-Butylbenzene
Concen: 53.349 ug/l
RT: 13.188 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:105 Resp: 40288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 9.7 | 28.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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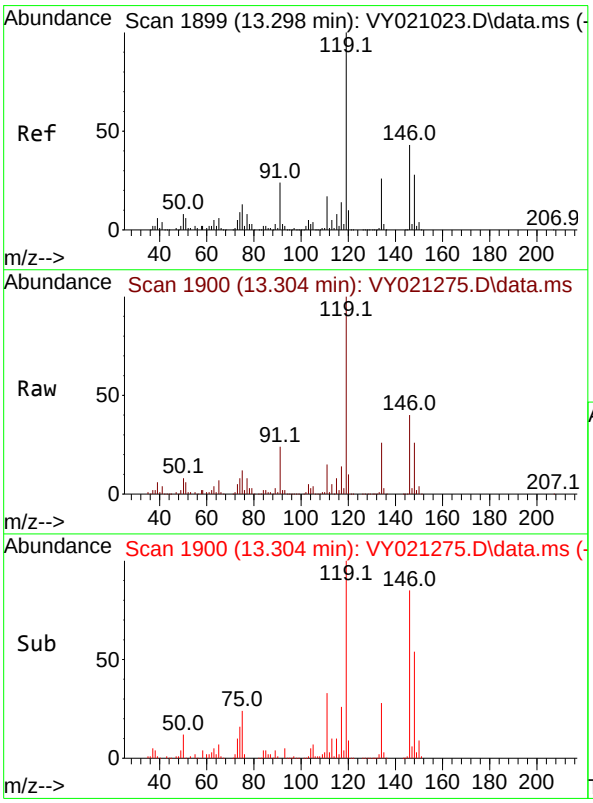
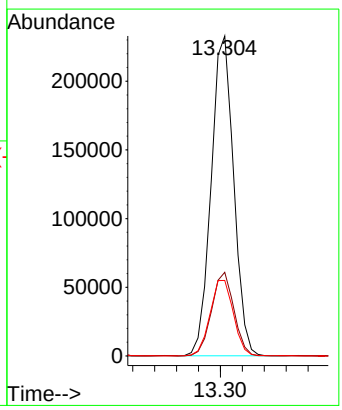
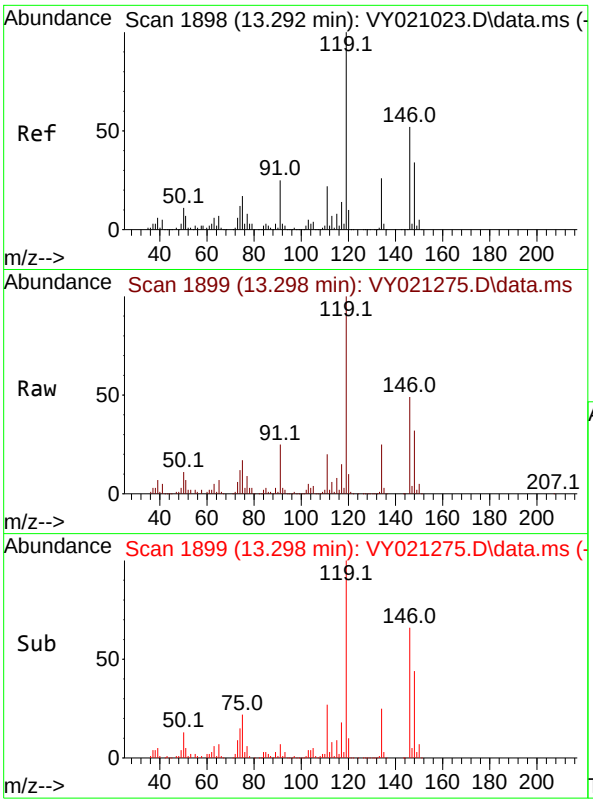



#86
p-Isopropyltoluene
Concen: 53.046 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:119 Resp: 332768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.1 | 39.1 |
| 91 | 24.5 | 11.7 | 35.0 |

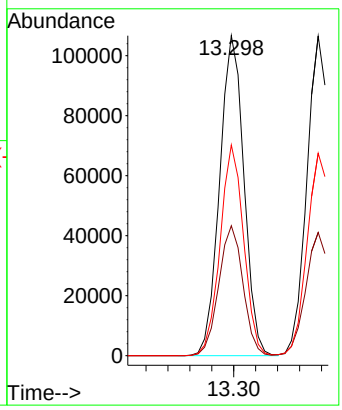





#87
1,3-Dichlorobenzene
Concen: 51.747 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:146 Resp: 16414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 20.2 | 60.5 |
| 148 | 63.9 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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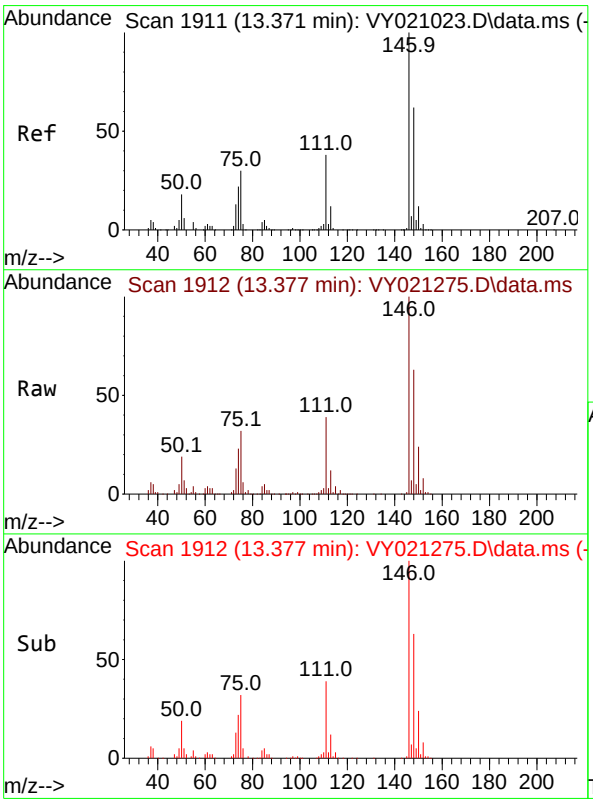
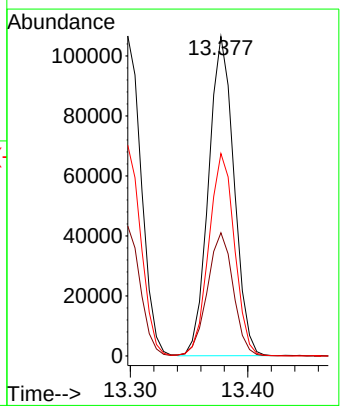
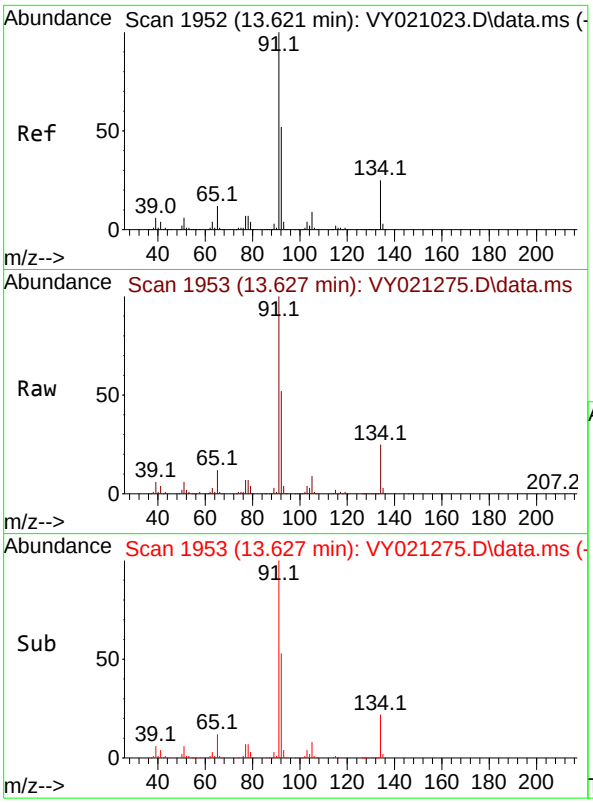



#88
1,4-Dichlorobenzene
Concen: 51.275 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:146 Resp: 160145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.2 | 19.3 | 57.9 |
| 148 | 64.0 | 31.6 | 94.7 |

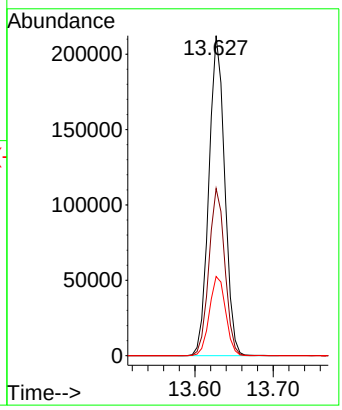





#89
n-Butylbenzene
Concen: 51.951 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 91 Resp: 29731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.4 | 26.4 | 79.2 |
| 134 | 25.4 | 12.3 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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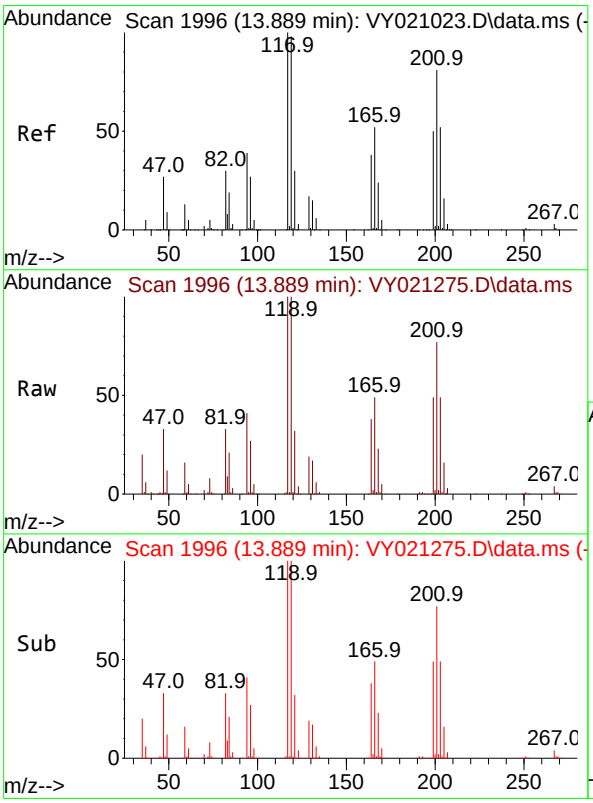
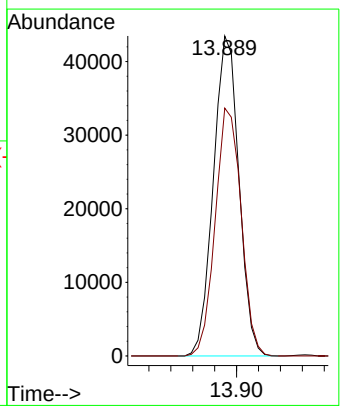
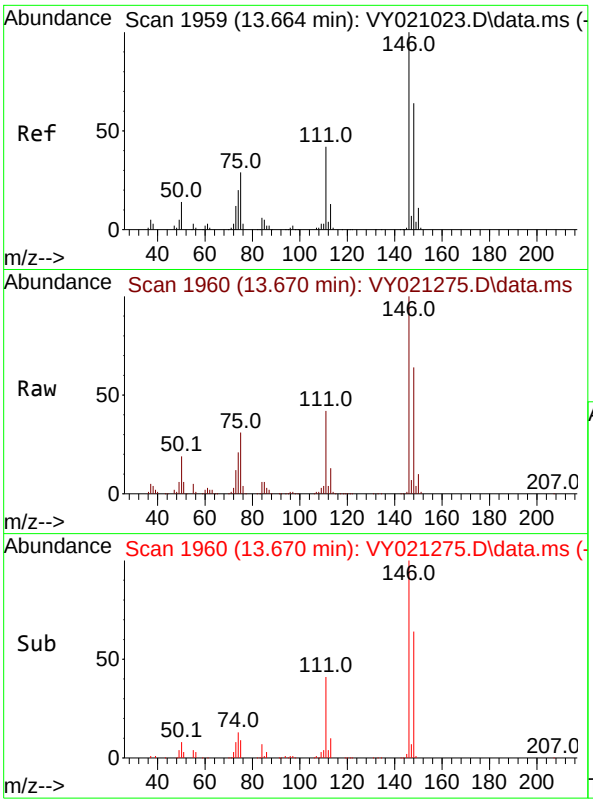



#90
Hexachloroethane
Concen: 53.783 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:117 Resp: 70386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.6 | 33.4 | 100.1 |

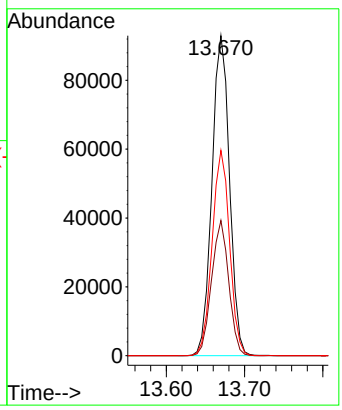





#91
1,2-Dichlorobenzene
Concen: 52.591 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:146 Resp: 14479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.5 | 61.6 |
| 148 | 63.8 | 31.4 | 94.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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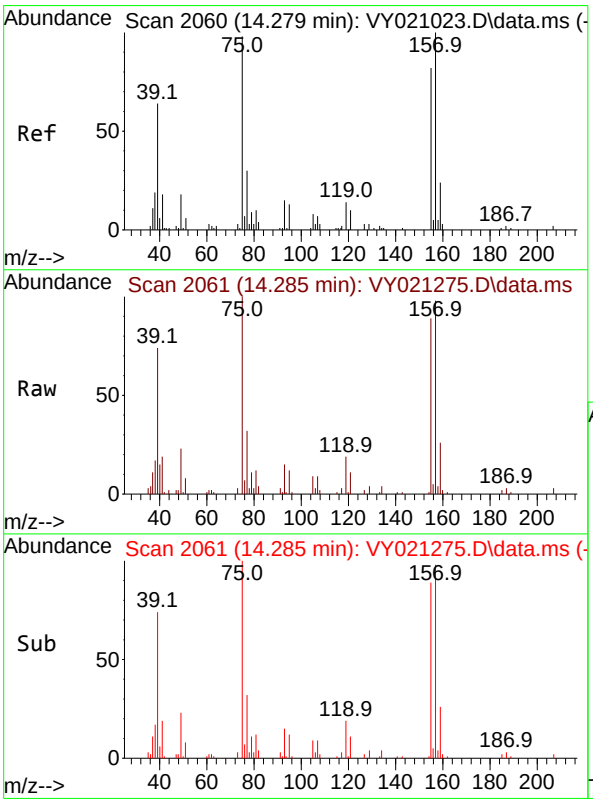
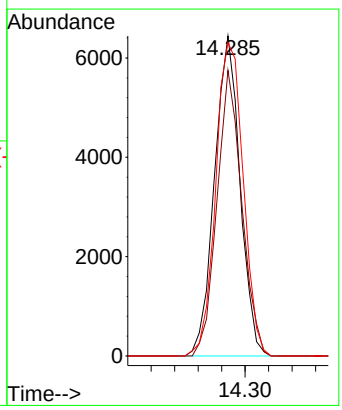
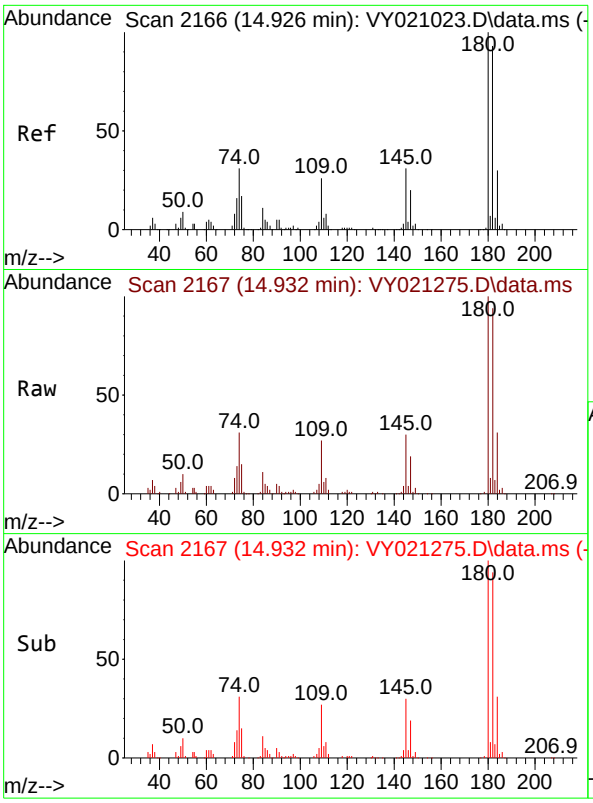



#92
1,2-Dibromo-3-Chloropropane
Concen: 54.910 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 75 Resp: 9715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.7 | 42.1 | 126.3 |
| 157 | 105.4 | 55.8 | 167.4 |

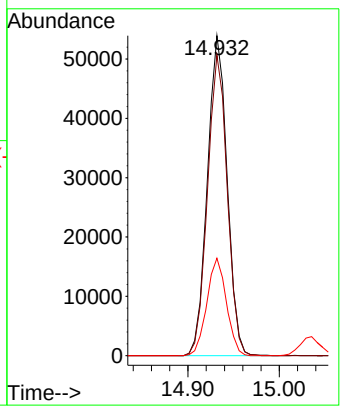





#93
1,2,4-Trichlorobenzene
Concen: 52.803 ug/l
RT: 14.932 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:180 Resp: 8092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 47.9 | 143.7 |
| 145 | 30.1 | 15.9 | 47.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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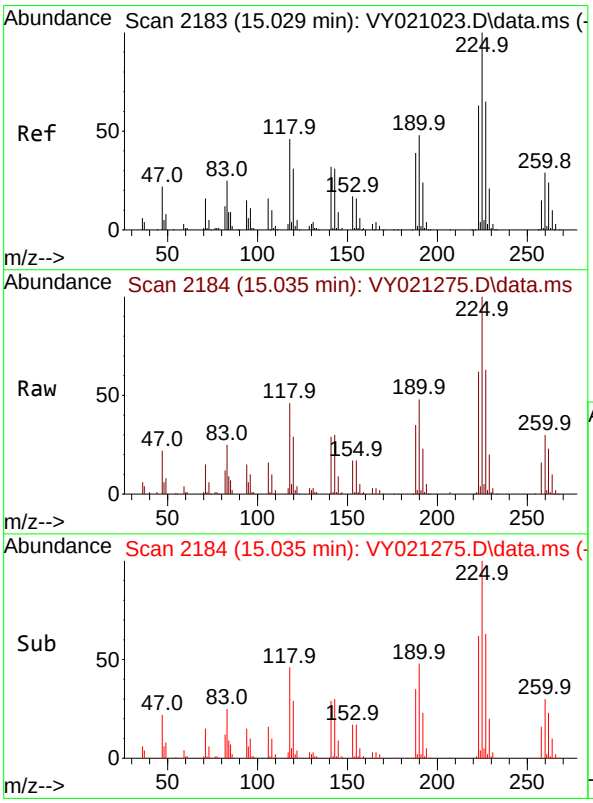
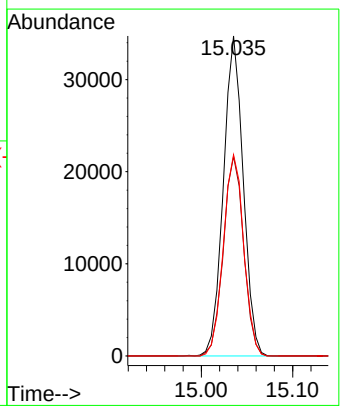
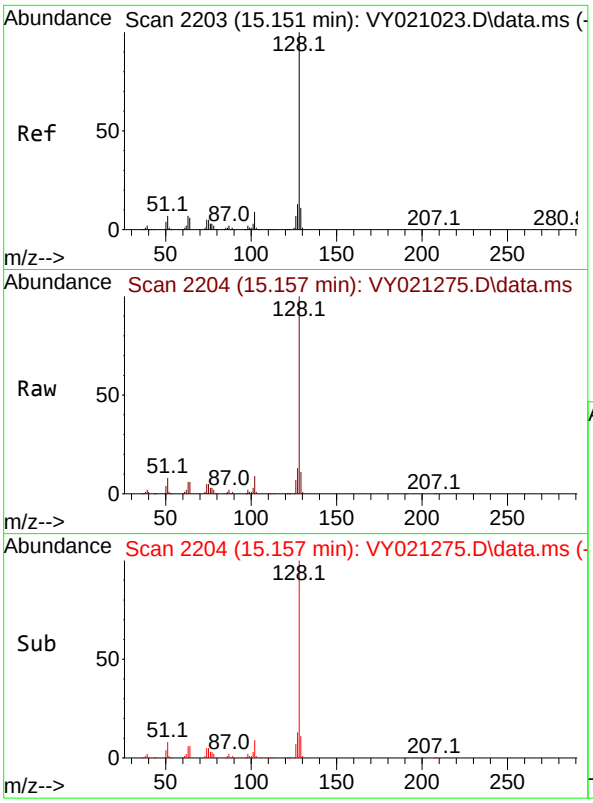



#94
Hexachlorobutadiene
Concen: 51.589 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:225 Resp: 52391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 31.4 | 94.3 |
| 227 | 64.5 | 32.3 | 96.8 |

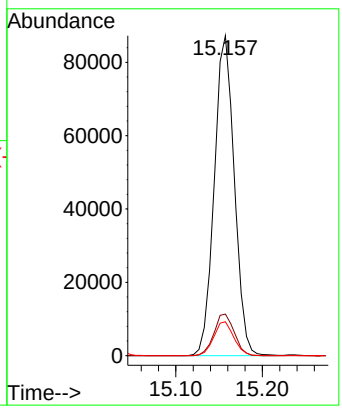





#95
Naphthalene
Concen: 57.318 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:128 Resp: 14053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.2 | 15.4 |
| 129 | 10.7 | 8.6 | 12.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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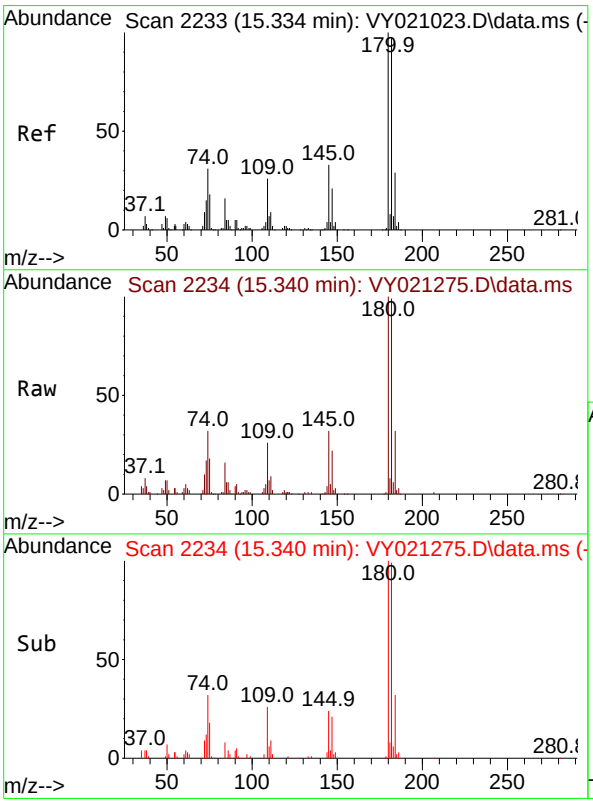
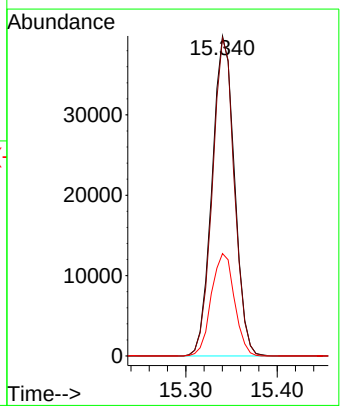



#96
1,2,3-Trichlorobenzene
Concen: 53.269 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:180 Resp: 67936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 46.3 | 138.8 |
| 145 | 32.9 | 16.1 | 48.2 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 73 | 0.01 |
| 2 | T | Dichlorodifluoromethane | 0.446 | 0.394 | 11.7 | 64 | 0.00 |
| 3 | P | Chloromethane | 0.440 | 0.513 | -16.6 | 89 | 0.00 |
| 4 | C | Vinyl Chloride | 0.443 | 0.497 | -12.2# | 85 | 0.00 |
| 5 | T | Bromomethane | 0.274 | 0.284 | -3.6 | 80 | 0.00 |
| 6 | T | Chloroethane | 0.263 | 0.325 | -23.6 | 93 | 0.01 |
| 7 | T | Trichlorofluoromethane | 0.806 | 0.800 | 0.7 | 74 | 0.00 |
| 8 | T | Diethyl Ether | 0.252 | 0.279 | -10.7 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.506 | 0.486 | 4.0 | 72 | 0.01 |
| 10 | T | Methyl Iodide | 0.562 | 0.570 | -1.4 | 71 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.035 | 0.033 | 5.7 | 75 | 0.04 |
| 12 | CM | 1,1-Dichloroethene | 0.477 | 0.488 | -2.3# | 76 | 0.00 |
| 13 | T | Acrolein | 0.053 | 0.034 | 35.8# | 47# | 0.00 |
| 14 | T | Allyl chloride | 0.803 | 0.911 | -13.4 | 83 | 0.00 |
| 15 | T | Acrylonitrile | 0.105 | 0.125 | -19.0 | 86 | 0.02 |
| 16 | T | Acetone | 0.080 | 0.093 | -16.2 | 88 | 0.02 |
| 17 | T | Carbon Disulfide | 1.495 | 1.402 | 6.2 | 69 | 0.00 |
| 18 | T | Methyl Acetate | 0.280 | 0.384 | -37.1# | 97 | 0.01 |
| 19 | T | Methyl tert-butyl Ether | 1.205 | 1.376 | -14.2 | 82 | 0.02 |
| 20 | T | Methylene Chloride | 0.497 | 0.583 | -17.3 | 88 | 0.01 |
| 21 | T | trans-1,2-Dichloroethene | 0.525 | 0.565 | -7.6 | 79 | 0.02 |
| 22 | T | Diisopropyl ether | 1.656 | 2.016 | -21.7 | 88 | 0.01 |
| 23 | T | Vinyl Acetate | 0.923 | 1.092 | -18.3 | 84 | 0.01 |
| 24 | P | 1,1-Dichloroethane | 0.970 | 1.108 | -14.2 | 85 | 0.01 |
| 25 | T | 2-Butanone | 0.131 | 0.156 | -19.1 | 84 | 0.01 |
| 26 | T | 2,2-Dichloropropane | 0.898 | 0.924 | -2.9 | 77 | 0.01 |
| 27 | T | cis-1,2-Dichloroethene | 0.604 | 0.669 | -10.8 | 81 | 0.01 |
| 28 | T | Bromochloromethane | 0.384 | 0.497 | -29.4# | 88 | 0.01 |
| 29 | T | Tetrahydrofuran | 0.089 | 0.105 | -18.0 | 83 | 0.02 |
| 30 | C | Chloroform | 0.997 | 1.135 | -13.8# | 84 | 0.01 |
| 31 | T | Cyclohexane | 0.874 | 0.808 | 7.6 | 71 | 0.01 |
| 32 | T | 1,1,1-Trichloroethane | 0.927 | 1.030 | -11.1 | 82 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.512 | 0.546 | -6.6 | 79 | 0.01 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.320 | 0.330 | -3.1 | 81 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.475 | 0.480 | -1.1 | 79 | 0.00 |
| 37 | T | Ethyl Acetate | 0.208 | 0.230 | -10.6 | 84 | 0.01 |
| 38 | T | Carbon Tetrachloride | 0.555 | 0.554 | 0.2 | 78 | 0.01 |
| 39 | T | Methylcyclohexane | 0.581 | 0.528 | 9.1 | 69 | 0.00 |
| 40 | TM | Benzene | 1.393 | 1.481 | -6.3 | 82 | 0.00 |
| 41 | T | Methacrylonitrile | 0.120 | 0.142 | -18.3 | 98 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.386 | 0.419 | -8.5 | 85 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.414 | 0.465 | -12.3 | 84 | 0.01 |
| 44 | TM | Trichloroethene | 0.360 | 0.362 | -0.6 | 79 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.331 | 0.365 | -10.3# | 86 | 0.00 |
| 46 | T | Dibromomethane | 0.183 | 0.194 | -6.0 | 82 | 0.00 |
| 47 | T | Bromodichloromethane | 0.491 | 0.538 | -9.6 | 85 | 0.00 |
| 48 | T | Methyl methacrylate | 0.188 | 0.217 | -15.4 | 87 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 0.002 | 0.002 | 0.0 | 80 | 0.03 |
| 50 | S | Toluene-d8 | 1.220 | 1.198 | 1.8 | 76 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.208 | 0.246 | -18.3 | 87 | 0.00 |
| 52 | CM | Toluene | 0.875 | 0.934 | -6.7# | 82 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.441 | 0.475 | -7.7 | 81 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.522 | 0.555 | -6.3 | 81 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.237 | 0.256 | -8.0 | 83 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.317 | 0.358 | -12.9 | 81 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.410 | 0.456 | -11.2 | 85 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.151 | 0.182 | -20.5 | 89 | 0.00 |
| 59 | T | 2-Hexanone | 0.134 | 0.158 | -17.9 | 84 | 0.00 |
| 60 | T | Dibromochloromethane | 0.333 | 0.357 | -7.2 | 83 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.222 | 0.238 | -7.2 | 81 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.399 | 0.404 | -1.3 | 77 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 64 | T | Tetrachloroethene | 0.371 | 0.367 | 1.1 | 77 | 0.00 |
| 65 | PM | Chlorobenzene | 1.113 | 1.156 | -3.9 | 81 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.396 | 0.425 | -7.3 | 84 | 0.00 |
| 67 | C | Ethyl Benzene | 1.969 | 2.092 | -6.2# | 82 | 0.00 |
| 68 | T | m/p-Xylenes | 0.737 | 0.774 | -5.0 | 80 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.733 | -6.7 | 82 | 0.00 |
| 70 | T | Styrene | 1.145 | 1.248 | -9.0 | 82 | 0.00 |
| 71 | P | Bromoform | 0.220 | 0.238 | -8.2 | 83 | 0.01 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 73 | T | Isopropylbenzene | 3.906 | 4.151 | -6.3 | 82 | 0.00 |
| 74 | T | N-amyl acetate | 0.854 | 0.972 | -13.8 | 83 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.650 | 0.712 | -9.5 | 85 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.454 | 0.487 | -7.3 | 79 | 0.00 |
| 77 | T | Bromobenzene | 0.901 | 0.928 | -3.0 | 81 | 0.00 |
| 78 | T | n-propylbenzene | 4.653 | 4.941 | -6.2 | 81 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.665 | 2.833 | -6.3 | 82 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.167 | 3.371 | -6.4 | 82 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.222 | 0.230 | -3.6 | 78 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.715 | 2.879 | -6.0 | 83 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.878 | 3.035 | -5.5 | 80 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.096 | 3.334 | -7.7 | 82 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.143 | 4.421 | -6.7 | 82 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.442 | 3.651 | -6.1 | 80 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.740 | 1.801 | -3.5 | 81 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.714 | 1.757 | -2.5 | 79 | 0.00 |
| 89 | T | n-Butylbenzene | 3.140 | 3.262 | -3.9 | 78 | 0.00 |
| 90 | T | Hexachloroethane | 0.718 | 0.772 | -7.5 | 84 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.510 | 1.589 | -5.2 | 82 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.097 | 0.107 | -10.3 | 83 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.841 | 0.888 | -5.6 | 76 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.557 | 0.575 | -3.2 | 78 | 0.00 |
| 95 | T | Naphthalene | 1.345 | 1.542 | -14.6 | 78 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 0.700 | 0.745 | -6.4 | 77 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 73 | 0.01 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 44.220 | 11.6 | 64 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 58.350 | -16.7 | 89 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 56.145 | -12.3# | 85 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 51.988 | -4.0 | 80 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 61.692 | -23.4 | 93 | 0.01 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.611 | 0.8 | 74 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 55.354 | -10.7 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.007 | 4.0 | 72 | 0.01 |
| 10 | T | Methyl Iodide | 50.000 | 50.662 | -1.3 | 71 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 237.701 | 4.9 | 75 | 0.04 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.212 | -2.4# | 76 | 0.00 |
| 13 | T | Acrolein | 250.000 | 157.114 | 37.2# | 47 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 56.720 | -13.4 | 83 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 299.082 | -19.6 | 86 | 0.02 |
| 16 | T | Acetone | 250.000 | 292.469 | -17.0 | 88 | 0.02 |
| 17 | T | Carbon Disulfide | 50.000 | 46.891 | 6.2 | 69 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 68.522 | -37.0# | 97 | 0.01 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 57.088 | -14.2 | 82 | 0.02 |
| 20 | T | Methylene Chloride | 50.000 | 58.723 | -17.4 | 88 | 0.01 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 53.821 | -7.6 | 79 | 0.02 |
| 22 | T | Diisopropyl ether | 50.000 | 60.874 | -21.7 | 88 | 0.01 |
| 23 | T | Vinyl Acetate | 250.000 | 295.758 | -18.3 | 84 | 0.01 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 57.076 | -14.2 | 85 | 0.01 |
| 25 | T | 2-Butanone | 250.000 | 297.023 | -18.8 | 84 | 0.01 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.467 | -2.9 | 77 | 0.01 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 55.391 | -10.8 | 81 | 0.01 |
| 28 | T | Bromochloromethane | 50.000 | 64.798 | -29.6# | 88 | 0.01 |
| 29 | T | Tetrahydrofuran | 250.000 | 294.152 | -17.7 | 83 | 0.02 |
| 30 | C | Chloroform | 50.000 | 56.956 | -13.9# | 84 | 0.01 |
| 31 | T | Cyclohexane | 50.000 | 46.238 | 7.5 | 71 | 0.01 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 55.572 | -11.1 | 82 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 53.279 | -6.6 | 79 | 0.01 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 77 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.569 | -3.1 | 81 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.550 | -1.1 | 79 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 55.122 | -10.2 | 84 | 0.01 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.912 | 0.2 | 78 | 0.01 |
| 39 | T | Methylcyclohexane | 50.000 | 45.490 | 9.0 | 69 | 0.00 |
| 40 | TM | Benzene | 50.000 | 53.166 | -6.3 | 82 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 58.909 | -17.8 | 98 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.268 | -8.5 | 85 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 56.240 | -12.5 | 84 | 0.01 |
| 44 | TM | Trichloroethene | 50.000 | 50.313 | -0.6 | 79 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 55.222 | -10.4# | 86 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.936 | -5.9 | 82 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.838 | -9.7 | 85 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 57.687 | -15.4 | 87 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 1081.002 | -8.1 | 80 | 0.03 |
| 50 | S | Toluene-d8 | 50.000 | 49.121 | 1.8 | 76 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 296.038 | -18.4 | 87 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.414 | -6.8# | 82 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.911 | -7.8 | 81 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.134 | -6.3 | 81 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.028 | -8.1 | 83 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.492 | -13.0 | 81 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 55.577 | -11.2 | 85 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 301.108 | -20.4 | 89 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 295.239 | -18.1 | 84 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.569 | -7.1 | 83 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.496 | -7.0 | 81 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.693 | -1.4 | 77 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 76 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.474 | 1.1 | 77 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.935 | -3.9 | 81 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.694 | -7.4 | 84 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.106 | -6.2# | 82 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 105.084 | -5.1 | 80 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.345 | -6.7 | 82 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.506 | -9.0 | 82 | 0.00 |
| 71 | P | Bromoform | 50.000 | 54.009 | -8.0 | 83 | 0.01 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 75 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.138 | -6.3 | 82 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 56.918 | -13.8 | 83 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.792 | -9.6 | 85 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.679 | -7.4 | 79 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.497 | -3.0 | 81 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.097 | -6.2 | 81 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 53.148 | -6.3 | 82 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.225 | -6.5 | 82 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 51.805 | -3.6 | 78 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 53.017 | -6.0 | 83 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.716 | -5.4 | 80 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.838 | -7.7 | 82 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.349 | -6.7 | 82 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.046 | -6.1 | 80 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.747 | -3.5 | 81 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.275 | -2.5 | 79 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.951 | -3.9 | 78 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.783 | -7.6 | 84 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.591 | -5.2 | 82 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 54.910 | -9.8 | 83 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.803 | -5.6 | 76 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.589 | -3.2 | 78 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 57.318 | -14.6 | 78 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 53.269 | -6.5 | 77 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/21/2025 20:27

Lab File ID: VY021298.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.446 | 0.383 | | -14.13 | 50 |
| Chloromethane | 0.440 | 0.524 | 0.1 | 19.09 | 50 |
| Vinyl Chloride | 0.443 | 0.546 | | 23.25 | 50 |
| Bromomethane | 0.274 | 0.344 | | 25.55 | 50 |
| Chloroethane | 0.263 | 0.359 | | 36.5 | 50 |
| Tetrahydrofuran | 0.089 | 0.098 | | 10.11 | 50 |
| Trichlorofluoromethane | 0.806 | 0.827 | | 2.61 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.506 | 0.495 | | -2.17 | 50 |
| 1,1-Dichloroethene | 0.477 | 0.457 | | -4.19 | 50 |
| Acrylonitrile | 0.105 | 0.114 | | 8.57 | 50 |
| Acetone | 0.080 | 0.085 | | 6.25 | 50 |
| Carbon Disulfide | 1.495 | 1.277 | | -14.58 | 50 |
| Methyl tert-butyl Ether | 1.205 | 1.292 | | 7.22 | 50 |
| Methylene Chloride | 0.497 | 0.518 | | 4.22 | 50 |
| trans-1,2-Dichloroethene | 0.525 | 0.511 | | -2.67 | 50 |
| 1,1-Dichloroethane | 0.970 | 1.067 | 0.1 | 10 | 50 |
| 2-Butanone | 0.131 | 0.148 | | 12.98 | 50 |
| Carbon Tetrachloride | 0.555 | 0.551 | | -0.72 | 50 |
| 2,2-Dichloropropane | 0.898 | 0.867 | | -3.45 | 50 |
| cis-1,2-Dichloroethene | 0.604 | 0.636 | | 5.3 | 50 |
| Chloroform | 0.997 | 1.097 | | 10.03 | 50 |
| 1,1,1-Trichloroethane | 0.927 | 0.968 | | 4.42 | 50 |
| 1,1-Dichloropropene | 0.475 | 0.471 | | -0.84 | 50 |
| Benzene | 1.393 | 1.455 | | 4.45 | 50 |
| 1,2-Dichloroethane | 0.386 | 0.421 | | 9.07 | 50 |
| Trichloroethene | 0.360 | 0.360 | | 0 | 50 |
| 1,2-Dichloropropane | 0.331 | 0.362 | | 9.37 | 50 |
| Dibromomethane | 0.183 | 0.192 | | 4.92 | 50 |
| Bromodichloromethane | 0.491 | 0.537 | | 9.37 | 50 |
| 4-Methyl-2-Pentanone | 0.208 | 0.240 | | 15.39 | 50 |
| Toluene | 0.875 | 0.933 | | 6.63 | 50 |
| t-1,3-Dichloropropene | 0.441 | 0.474 | | 7.48 | 50 |
| cis-1,3-Dichloropropene | 0.522 | 0.559 | | 7.09 | 50 |
| 1,1,2-Trichloroethane | 0.237 | 0.254 | | 7.17 | 50 |
| 1,3-Dichloropropane | 0.410 | 0.446 | | 8.78 | 50 |
| 2-Hexanone | 0.134 | 0.159 | | 18.66 | 50 |
| Dibromochloromethane | 0.333 | 0.352 | | 5.71 | 50 |
| 1,2-Dibromoethane | 0.222 | 0.230 | | 3.6 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/21/2025 20:27

Lab File ID: VY021298.D Init. Calib. Date(s): 02/03/2025 02/03/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:35 12:44

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Tetrachloroethene | 0.371 | 0.354 | | -4.58 | 50 |
| Chlorobenzene | 1.113 | 1.117 | 0.3 | 0.36 | 50 |
| 1,1,1,2-Tetrachloroethane | 0.396 | 0.409 | | 3.28 | 50 |
| Ethyl Benzene | 1.969 | 2.017 | | 2.44 | 50 |
| m/p-Xylenes | 0.737 | 0.758 | | 2.85 | 50 |
| o-Xylene | 0.687 | 0.715 | | 4.08 | 50 |
| Styrene | 1.145 | 1.227 | | 7.16 | 50 |
| Bromoform | 0.220 | 0.225 | 0.1 | 2.27 | 50 |
| Isopropylbenzene | 3.906 | 3.741 | | -4.22 | 50 |
| 1,1,2,2-Tetrachloroethane | 0.650 | 0.624 | 0.3 | -4 | 50 |
| 1,2,3-Trichloropropane | 0.454 | 0.466 | | 2.64 | 50 |
| Bromobenzene | 0.901 | 0.854 | | -5.22 | 50 |
| n-propylbenzene | 4.653 | 4.542 | | -2.39 | 50 |
| 2-Chlorotoluene | 2.665 | 2.574 | | -3.41 | 50 |
| 1,3,5-Trimethylbenzene | 3.167 | 3.052 | | -3.63 | 50 |
| 4-Chlorotoluene | 2.715 | 2.650 | | -2.39 | 50 |
| tert-Butylbenzene | 2.878 | 2.809 | | -2.43 | 50 |
| 1,2,4-Trimethylbenzene | 3.096 | 3.065 | | -1 | 50 |
| sec-Butylbenzene | 4.143 | 4.031 | | -2.7 | 50 |
| p-Isopropyltoluene | 3.442 | 3.377 | | -1.89 | 50 |
| 1,3-Dichlorobenzene | 1.740 | 1.705 | | -2.01 | 50 |
| 1,4-Dichlorobenzene | 1.714 | 1.679 | | -2.04 | 50 |
| n-Butylbenzene | 3.140 | 3.158 | | 0.57 | 50 |
| 1,2-Dichlorobenzene | 1.510 | 1.499 | | -0.73 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.097 | 0.095 | | -2.06 | 50 |
| 1,2,4-Trichlorobenzene | 0.841 | 0.859 | | 2.14 | 50 |
| Hexachlorobutadiene | 0.557 | 0.557 | | 0 | 50 |
| 1,2,3-Trichlorobenzene | 0.700 | 0.735 | | 5 | 50 |
| 1,2-Dichloroethane-d4 | 0.512 | 0.555 | | 8.4 | 50 |
| Dibromofluoromethane | 0.320 | 0.340 | | 6.25 | 50 |
| Toluene-d8 | 1.220 | 1.267 | | 3.85 | 50 |
| 4-Bromofluorobenzene | 0.399 | 0.432 | | 8.27 | 50 |
| trans-1,4-Dichloro-2-butene | 0.222 | 0.204 | | -8.11 | 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_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 127702 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.621 | 114 | 200243 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 179395 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 92699 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 70818 | 54.125 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 108.260% | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 68028 | 53.011 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 106.020% | | | |
| 50) Toluene-d8 | 10.115 | 98 | 253697 | 51.928 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 103.860% | | | |
| 62) 4-Bromofluorobenzene | 12.413 | 95 | 86427 | 54.149 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 108.300% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.866 | 85 | 48896 | 42.960 | ug/l | 96 |
| 3) Chloromethane | 2.074 | 50 | 66978 | 59.635 | ug/l | 96 |
| 4) Vinyl Chloride | 2.208 | 62 | 69742 | 61.693 | ug/l | 98 |
| 5) Bromomethane | 2.604 | 94 | 43960 | 62.917 | ug/l | 99 |
| 6) Chloroethane | 2.744 | 64 | 45841 | 68.120 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.067 | 101 | 105628 | 51.288 | ug/l | 100 |
| 8) Diethyl Ether | 3.464 | 74 | 32573 | 50.663 | ug/l | 93 |
| 9) 1,1,2-Trichlorotrifluo... | 3.823 | 101 | 63248 | 48.931 | ug/l | 97 |
| 10) Methyl Iodide | 4.012 | 142 | 70971 | 49.422 | ug/l | 92 |
| 11) Tert butyl alcohol | 4.872 | 59 | 20115 | 226.865 | ug/l | 95 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 58353 | 47.924 | ug/l | 86 |
| 13) Acrolein | 3.659 | 56 | 14964 | 109.599 | ug/l | 100 |
| 14) Allyl chloride | 4.397 | 41 | 107582 | 52.425 | ug/l | 90 |
| 15) Acrylonitrile | 5.067 | 53 | 72547 | 270.971 | ug/l | 97 |
| 16) Acetone | 3.884 | 43 | 54339 | 266.311 | ug/l | 95 |
| 17) Carbon Disulfide | 4.116 | 76 | 163127 | 42.725 | ug/l | 100 |
| 18) Methyl Acetate | 4.397 | 43 | 42032 | 58.681 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.122 | 73 | 164986 | 53.609 | ug/l | 98 |
| 20) Methylene Chloride | 4.628 | 84 | 66140 | 52.142 | ug/l | 90 |
| 21) trans-1,2-Dichloroethene | 5.128 | 96 | 65263 | 48.693 | ug/l | 88 |
| 22) Diisopropyl ether | 6.030 | 45 | 245873 | 58.129 | ug/l | 98 |
| 23) Vinyl Acetate | 5.969 | 43 | 664260 | 281.710 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 136272 | 54.988 | ug/l | 98 |
| 25) 2-Butanone | 6.902 | 43 | 94486 | 281.796 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.896 | 77 | 110775 | 48.309 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.896 | 96 | 81165 | 52.612 | ug/l | 91 |
| 28) Bromochloromethane | 7.256 | 49 | 55091 | 56.218 | ug/l | 94 |
| 29) Tetrahydrofuran | 7.274 | 42 | 62499 | 275.466 | ug/l | 93 |
| 30) Chloroform | 7.426 | 83 | 140070 | 55.027 | ug/l | 100 |
| 31) Cyclohexane | 7.707 | 56 | 104105 | 46.649 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 123595 | 52.224 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 94379 | 49.653 | ug/l | 98 |
| 37) Ethyl Acetate | 6.994 | 43 | 44845 | 53.780 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.829 | 117 | 110409 | 49.712 | ug/l | 99 |
| 39) Methylcyclohexane | 9.115 | 83 | 110205 | 47.400 | ug/l | 94 |
| 40) Benzene | 8.085 | 78 | 291377 | 52.236 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.225 | 41 | 26453 | 54.835 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 84380 | 54.531 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.207 | 43 | 92566 | 55.868 | ug/l | # | 84 |
| 44) Trichloroethene | 8.871 | 130 | 72094 | 50.025 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 72574 | 54.816 | ug/l | | 96 |
| 46) Dibromomethane | 9.237 | 93 | 38469 | 52.478 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.432 | 83 | 107436 | 54.647 | ug/l | | 96 |
| 48) Methyl methacrylate | 9.225 | 41 | 42933 | 56.886 | ug/l | | 87 |
| 49) 1,4-Dioxane | 9.243 | 88 | 7570 | 1109.293 | ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 10.005 | 43 | 240674 | 288.857 | ug/l | | 95 |
| 52) Toluene | 10.176 | 92 | 186882 | 53.357 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 94918 | 53.768 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 112011 | 53.589 | ug/l | # | 88 |
| 55) 1,1,2-Trichloroethane | 10.578 | 97 | 50770 | 53.484 | ug/l | | 97 |
| 56) Ethyl methacrylate | 10.444 | 69 | 69019 | 54.350 | ug/l | # | 84 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 89268 | 54.331 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 154985 | 256.535 | ug/l | | 99 |
| 59) 2-Hexanone | 10.767 | 43 | 159168 | 296.700 | ug/l | | 92 |
| 60) Dibromochloromethane | 10.914 | 129 | 70461 | 52.855 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.023 | 107 | 46137 | 51.889 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.651 | 164 | 63533 | 47.707 | ug/l | | 96 |
| 65) Chlorobenzene | 11.444 | 112 | 200342 | 50.154 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.523 | 131 | 73344 | 51.667 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.523 | 91 | 361813 | 51.210 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.633 | 106 | 271905 | 102.873 | ug/l | | 98 |
| 69) o-Xylene | 11.962 | 106 | 128186 | 52.018 | ug/l | | 96 |
| 70) Styrene | 11.974 | 104 | 220140 | 53.599 | ug/l | | 98 |
| 71) Bromoform | 12.139 | 173 | 40285 | 50.984 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.261 | 105 | 346825 | 47.897 | ug/l | | 99 |
| 74) N-amyl acetate | 12.078 | 43 | 83623 | 52.822 | ug/l | | 92 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 57866 | 48.050 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 43218m | 51.395 | ug/l | | |
| 77) Bromobenzene | 12.535 | 156 | 79189 | 47.390 | ug/l | | 95 |
| 78) n-propylbenzene | 12.602 | 91 | 421016 | 48.809 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 238624 | 48.301 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 282926 | 48.192 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 18920 | 45.910 | ug/l | | 92 |
| 82) 4-Chlorotoluene | 12.785 | 91 | 245636 | 48.800 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 260345 | 48.787 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.047 | 105 | 284109 | 49.493 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.182 | 105 | 373628 | 48.640 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.297 | 119 | 313085 | 49.066 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 158092 | 48.998 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 155677 | 49.004 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.620 | 91 | 292709 | 50.284 | ug/l | | 99 |
| 90) Hexachloroethane | 13.889 | 117 | 65786 | 49.420 | ug/l | | 87 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 138923 | 49.608 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 8778 | 48.777 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 79651 | 51.098 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 51673 | 50.024 | ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 135915 | 54.500 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 68173 | 52.553 | ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

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

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

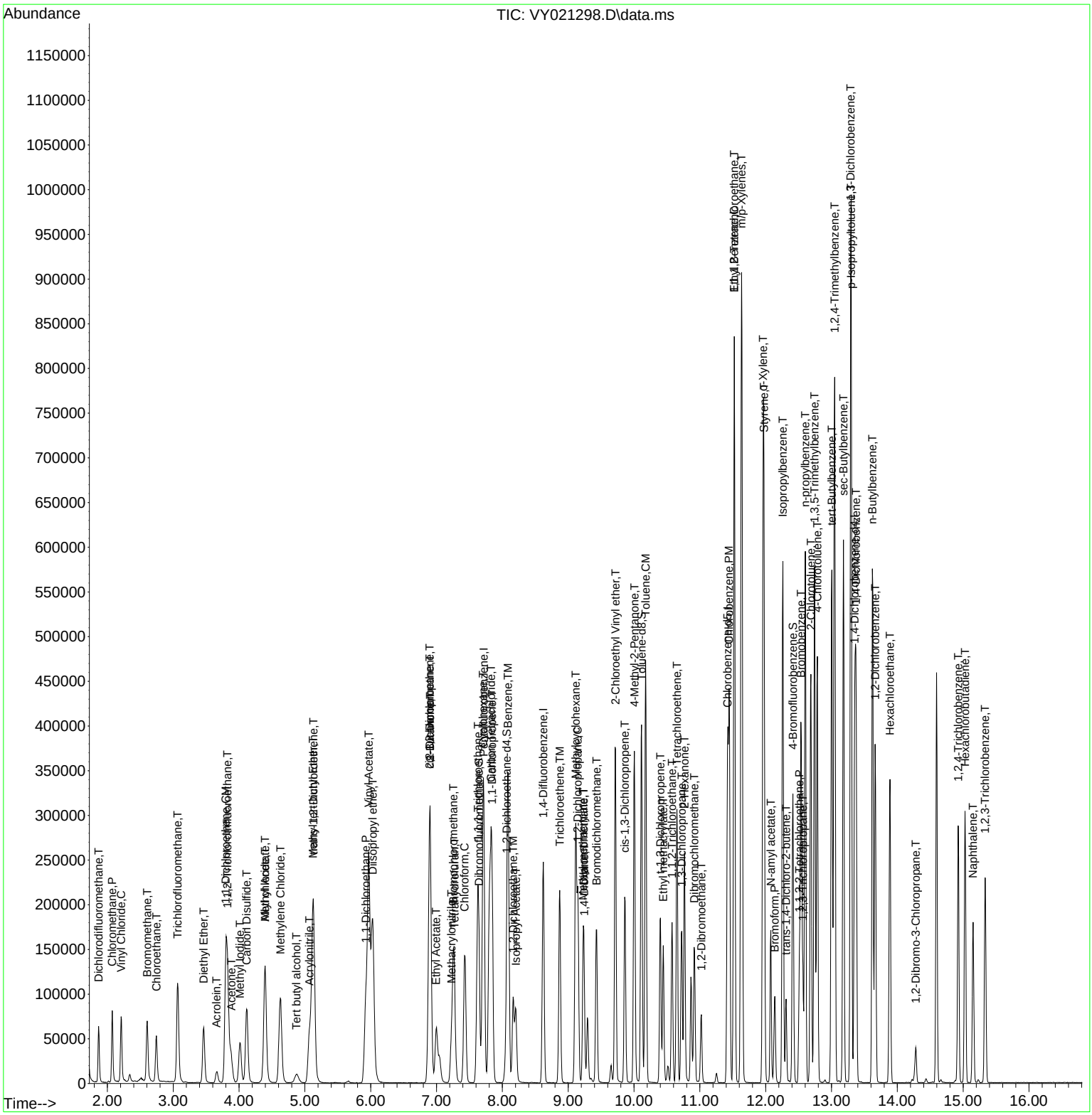
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

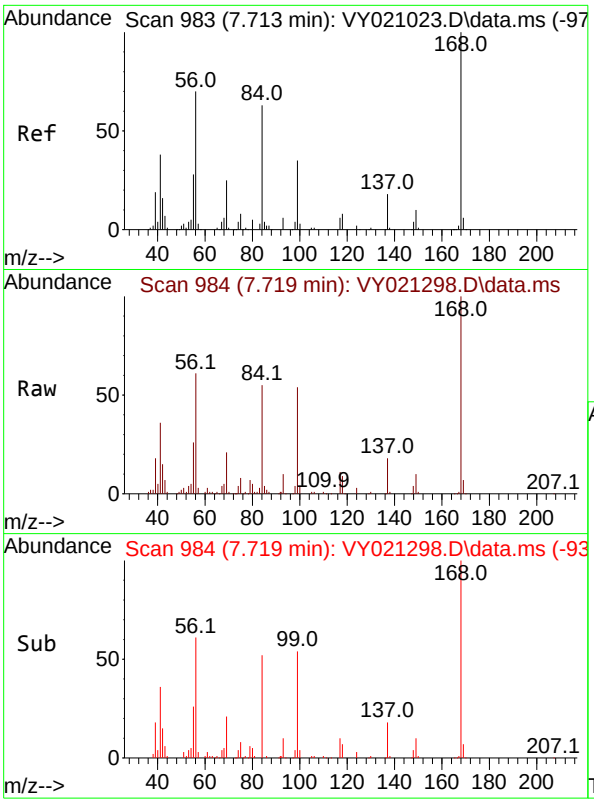
Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

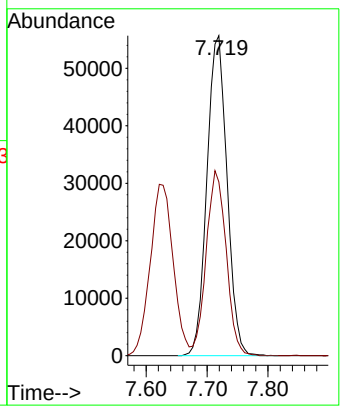
Tgt Ion:168 Resp: 12770

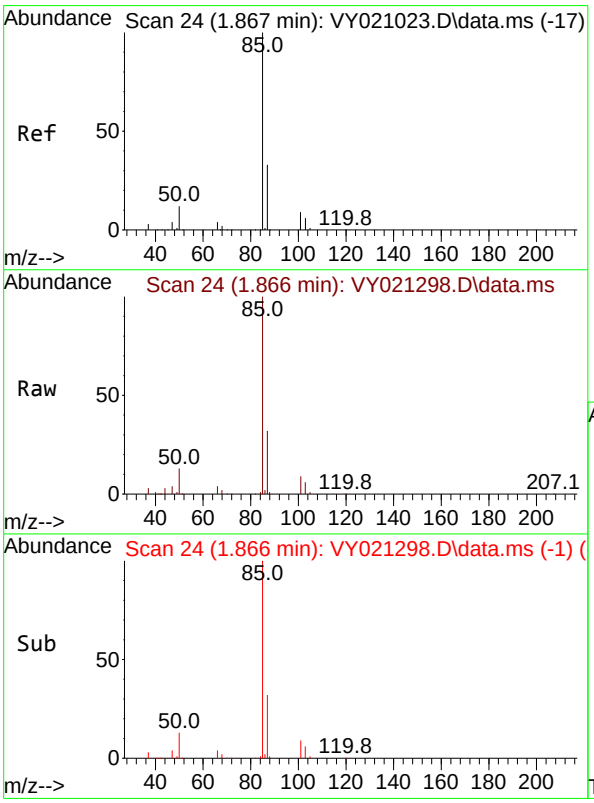
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.3 | 44.2 | 66.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

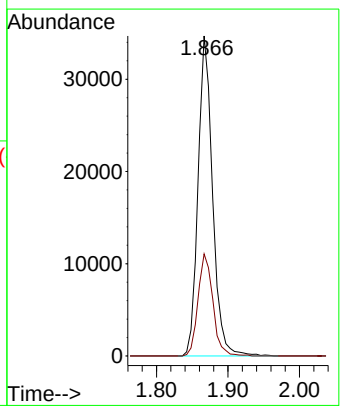


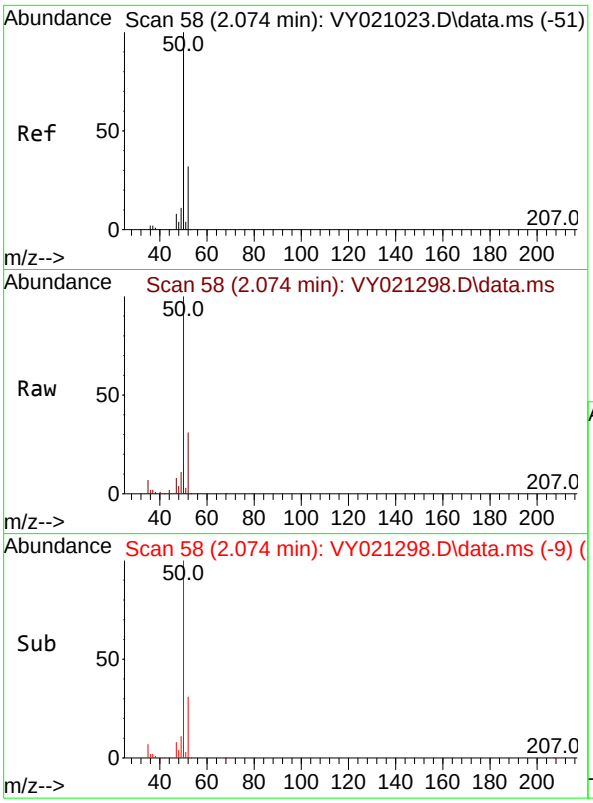




#2
Dichlorodifluoromethane
Concen: 42.960 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 85 Resp: 48896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.9 | 17.1 | 51.3 |

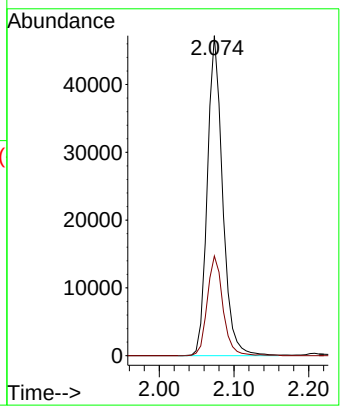





#3
Chloromethane
Concen: 59.635 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 50 Resp: 6697

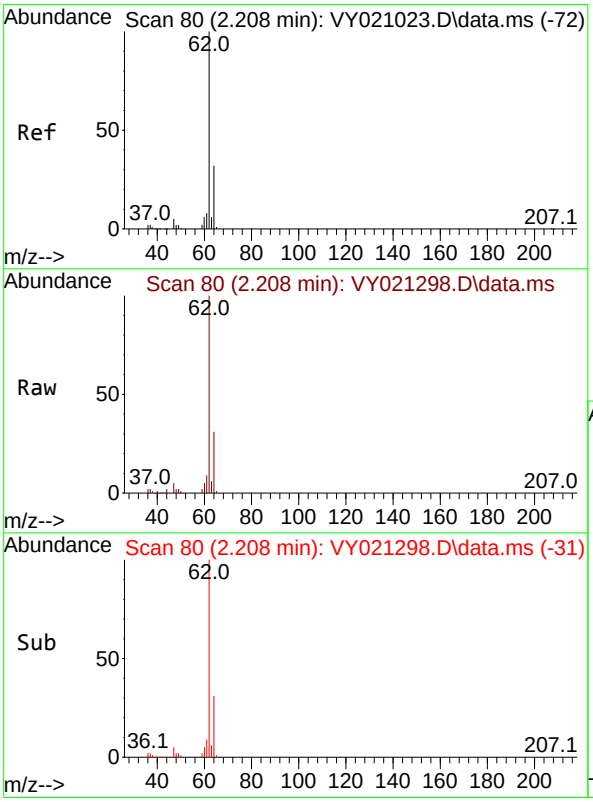
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.1 | 26.7 | 40.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

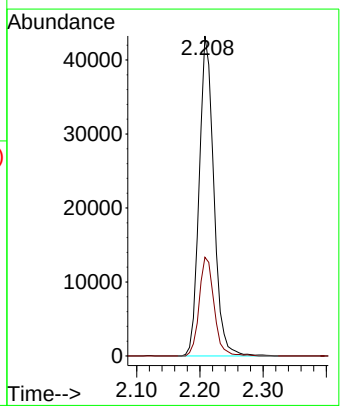
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

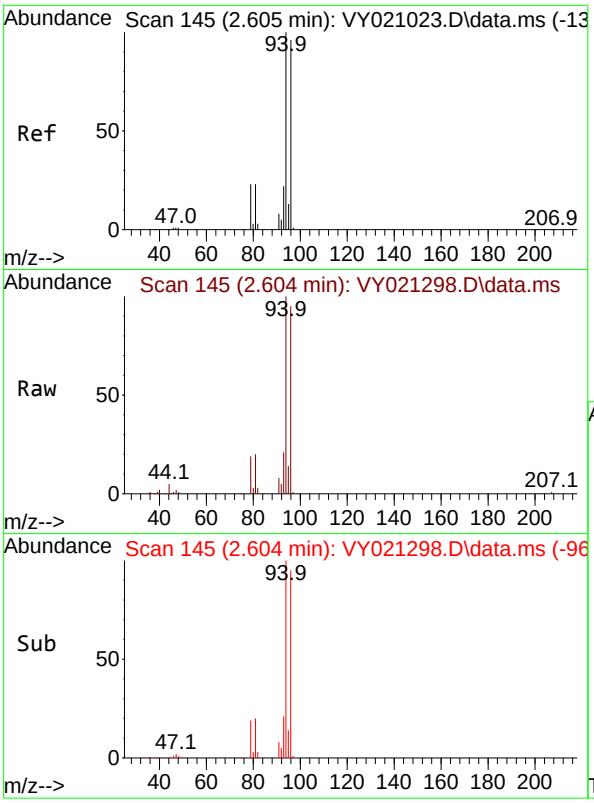



#4
Vinyl Chloride
Concen: 61.693 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 62 Resp: 69742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.8 | 25.7 | 38.5 |

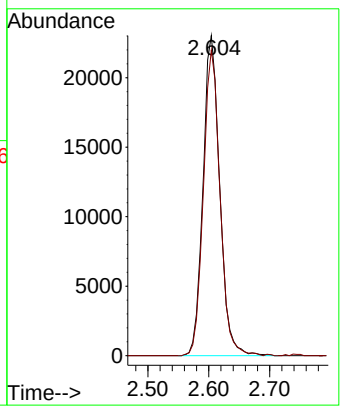





#5
Bromomethane
Concen: 62.917 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 94 Resp: 4396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.5 | 77.3 | 115.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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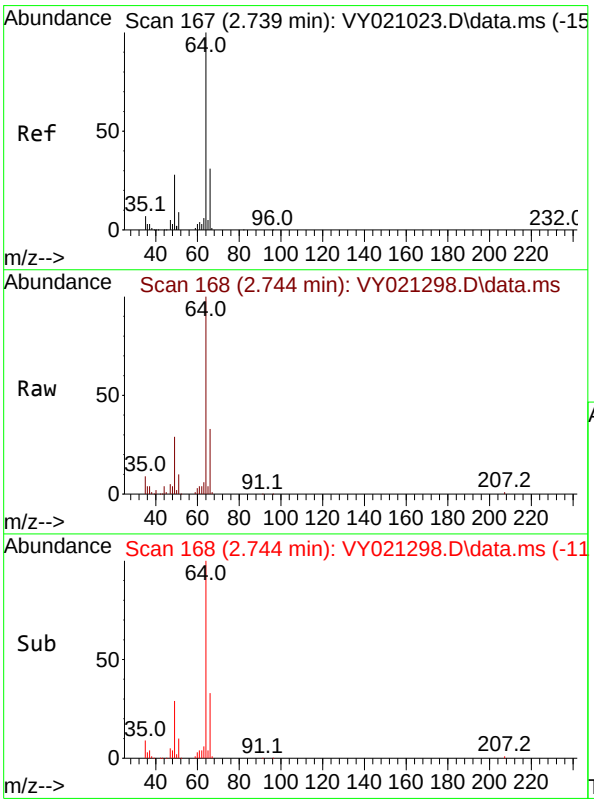
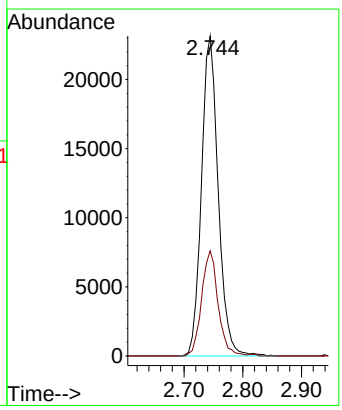
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

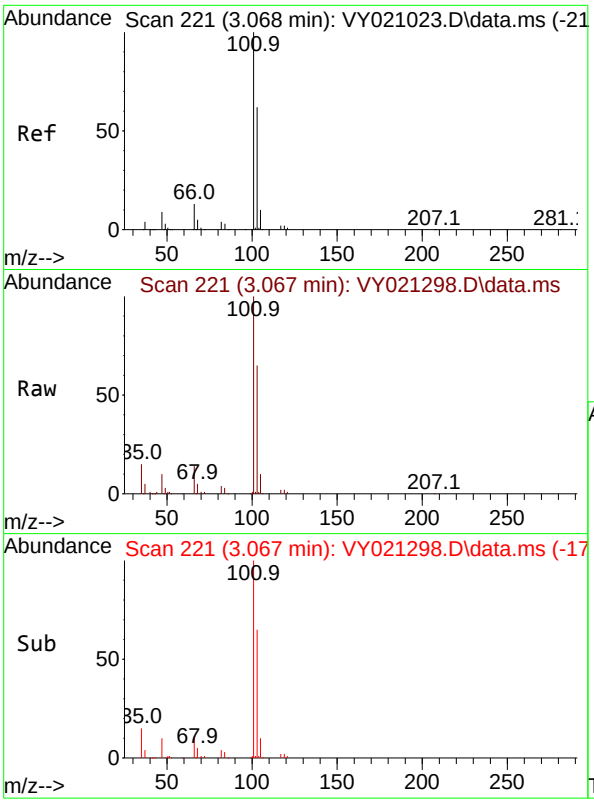



#6
Chloroethane
Concen: 68.120 ug/l
RT: 2.744 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 64 Resp: 45841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.8 | 25.1 | 37.7 |

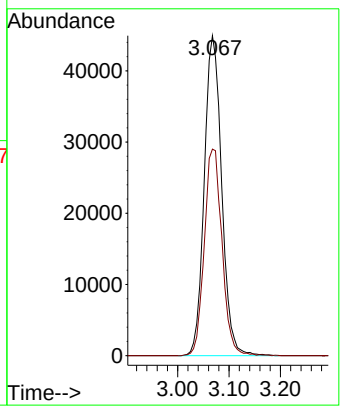





#7
Trichlorofluoromethane
Concen: 51.288 ug/l
RT: 3.067 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:101 Resp: 10562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.5 | 51.9 | 77.9 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

**Manual Integrations**
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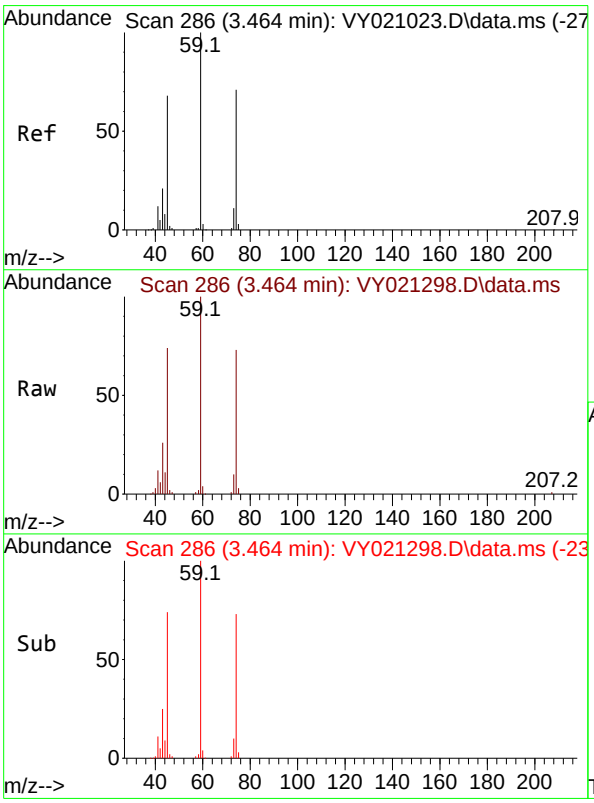
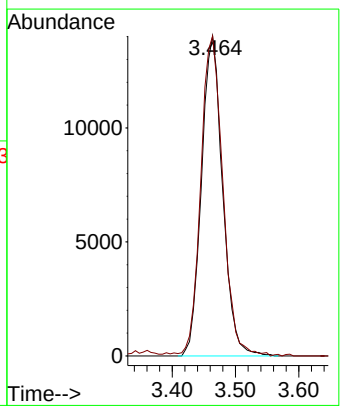
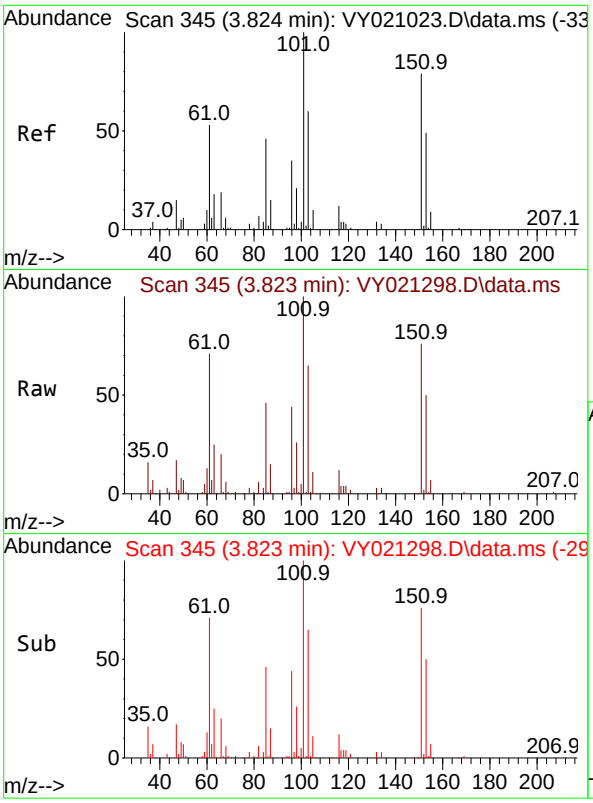



#8
Diethyl Ether
Concen: 50.663 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 74 Resp: 32573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.1 | 47.9 | 143.7 |

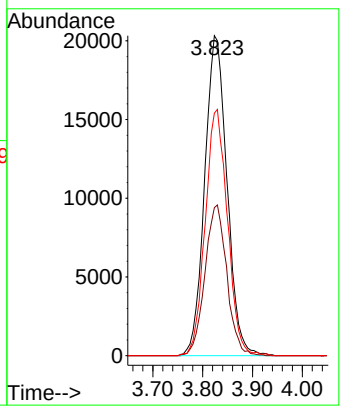





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.931 ug/l
RT: 3.823 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:101 Resp: 6324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 35.8 | 53.6 |
| 151 | 76.7 | 58.6 | 88.0 |




**Instrument :**
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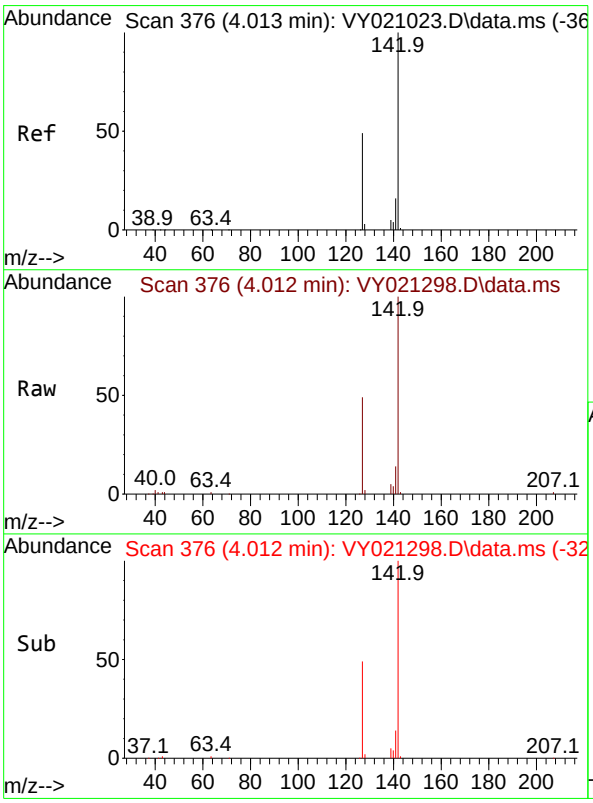
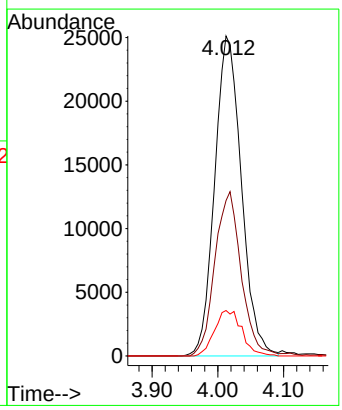
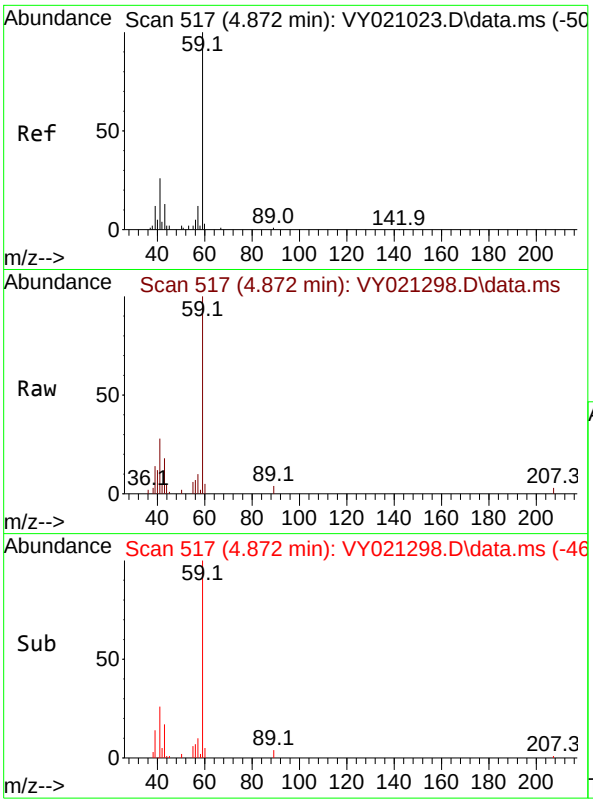



#10
Methyl Iodide
Concen: 49.422 ug/l
RT: 4.012 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:142 Resp: 70971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.6 | 35.1 | 52.7 |
| 141 | 14.6 | 11.8 | 17.6 |

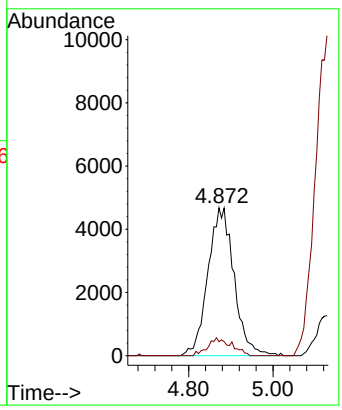





#11
Tert butyl alcohol
Concen: 226.865 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 59 Resp: 2011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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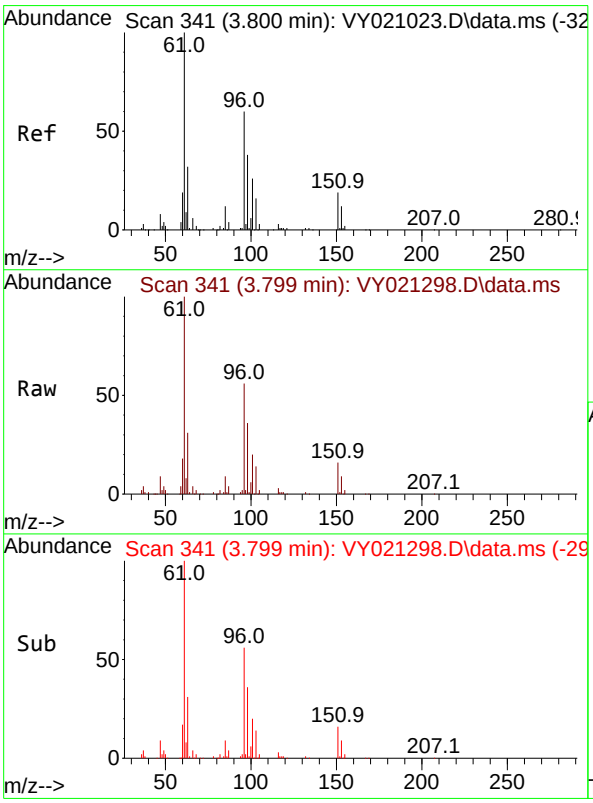
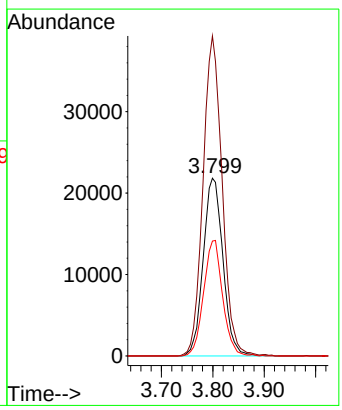
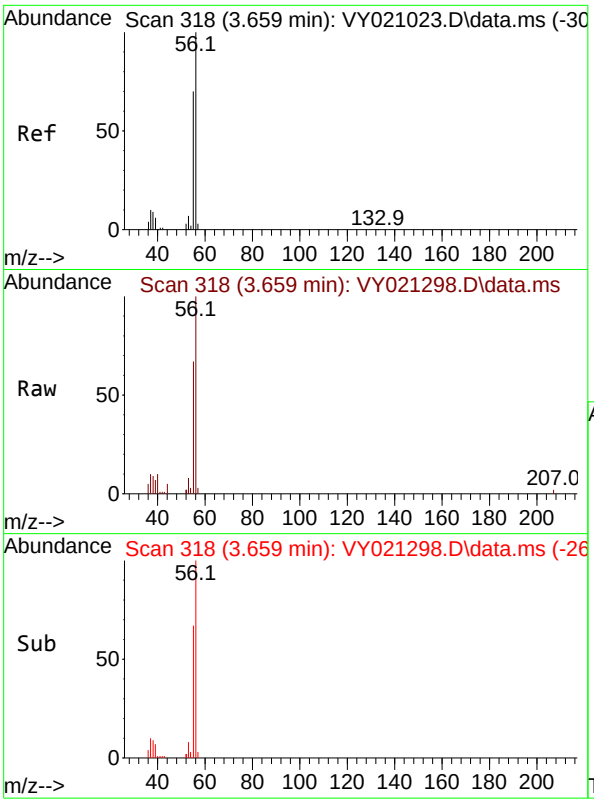



#12
1,1-Dichloroethene
Concen: 47.924 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 96 Resp: 58353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 180.0 | 124.2 | 186.2 |
| 98 | 64.6 | 52.6 | 79.0 |

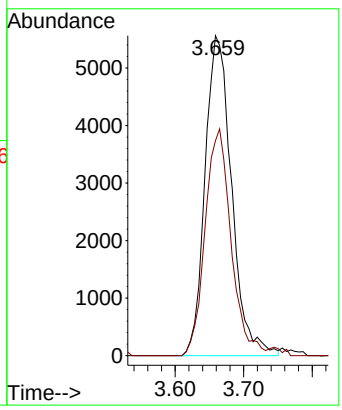





#13
Acrolein
Concen: 109.599 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 56 Resp: 1496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.4 | 55.4 | 83.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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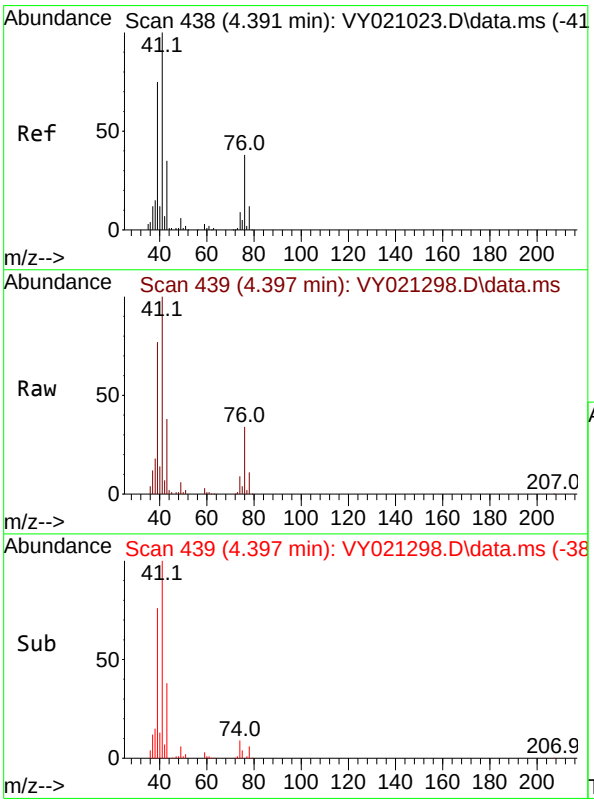
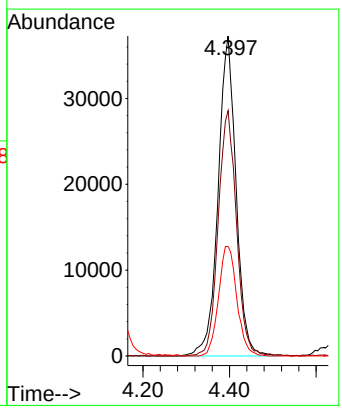
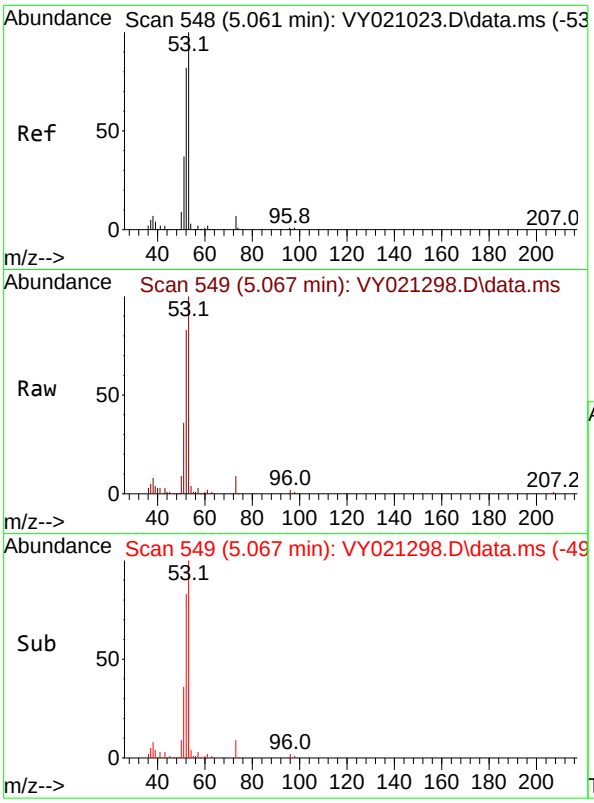



#14
Allyl chloride
Concen: 52.425 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 41 Resp: 107582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 78.0 | 54.7 | 82.1 |
| 76 | 35.0 | 31.8 | 47.6 |

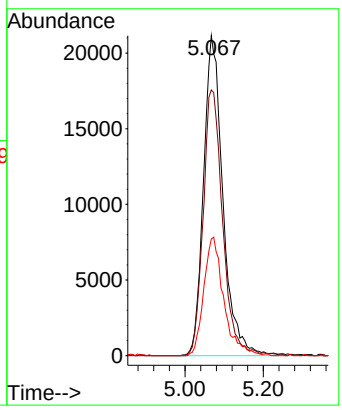





#15
Acrylonitrile
Concen: 270.971 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 53 Resp: 7254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.5 | 65.1 | 97.7 |
| 51 | 38.3 | 29.0 | 43.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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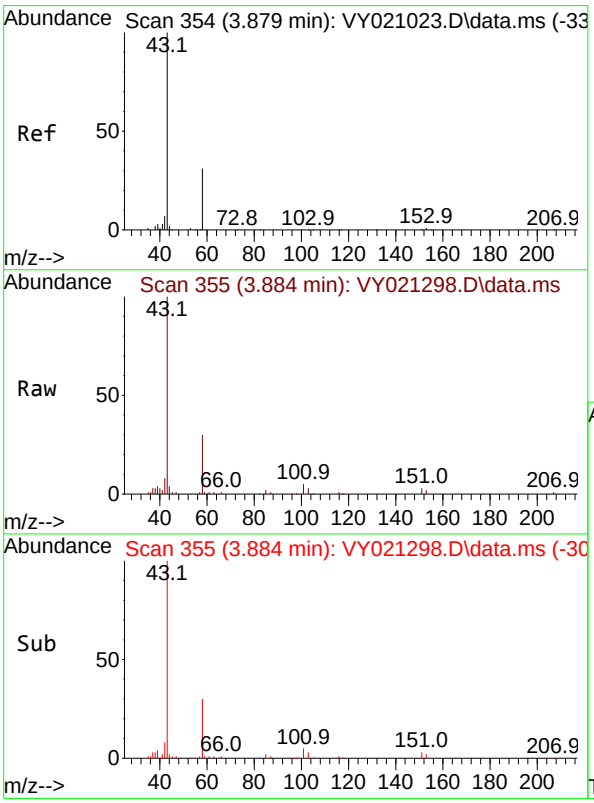
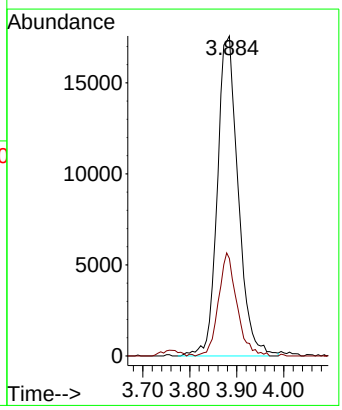
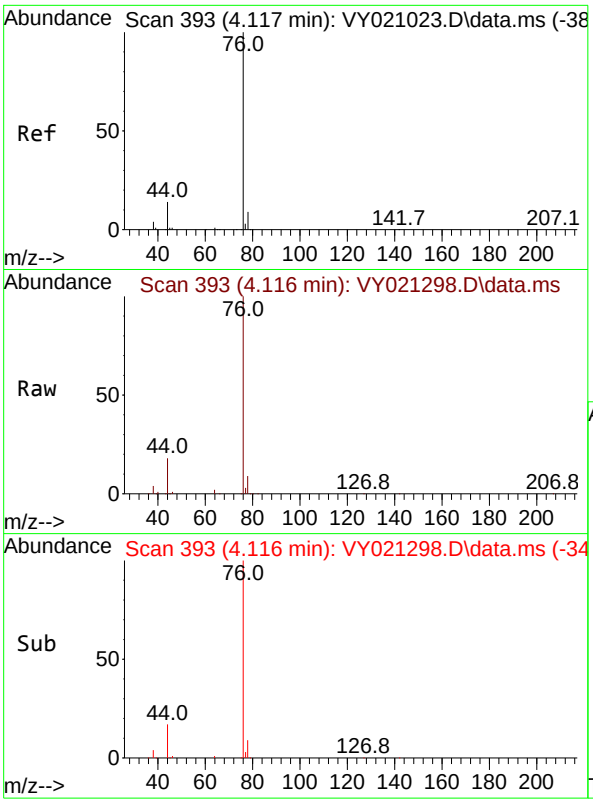



#16
Acetone
Concen: 266.311 ug/l
RT: 3.884 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 54339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 26.6 | 39.8 |

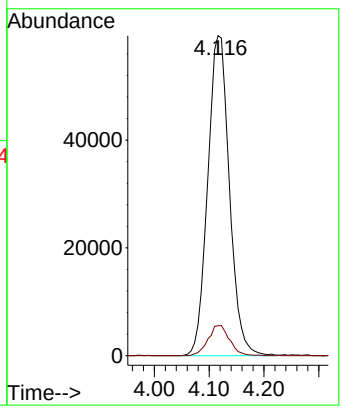





#17
Carbon Disulfide
Concen: 42.725 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 76 Resp: 16312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

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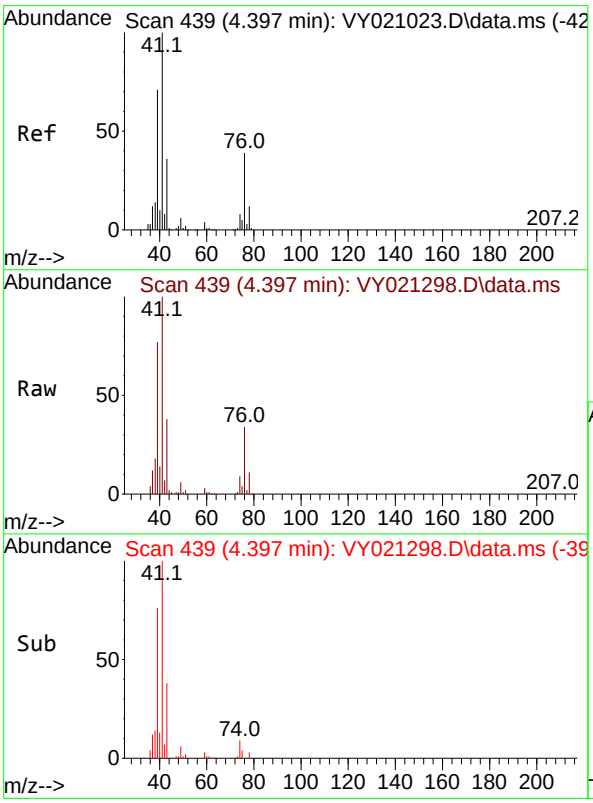
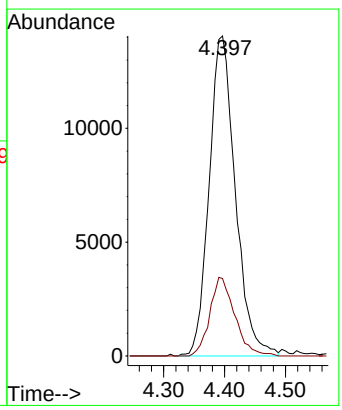
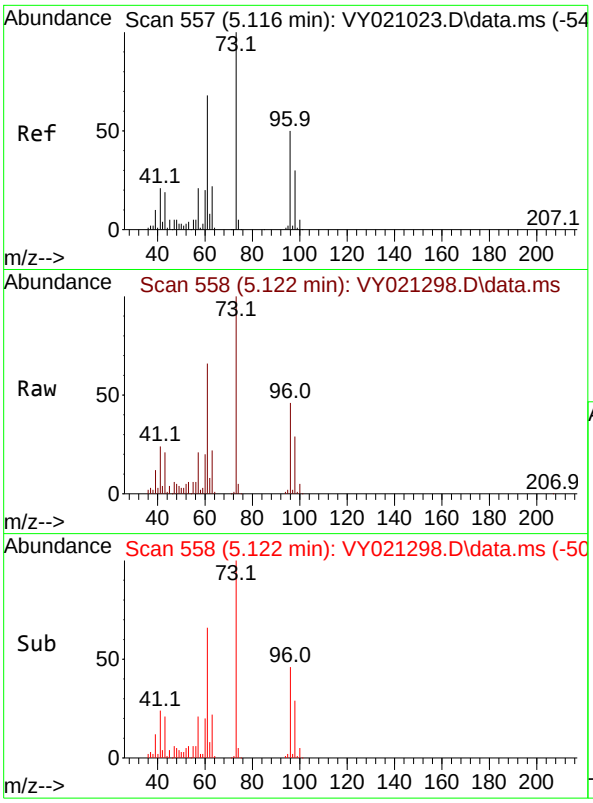



#18
Methyl Acetate
Concen: 58.681 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 42032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.4 | 19.8 | 29.6 |

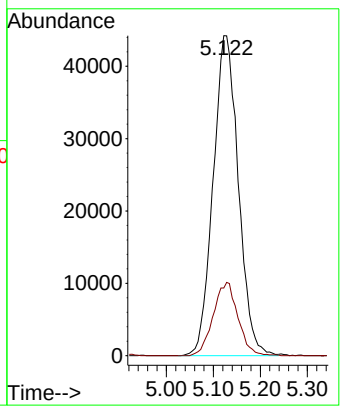





#19
Methyl tert-butyl Ether
Concen: 53.609 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 73 Resp: 16498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 17.7 | 26.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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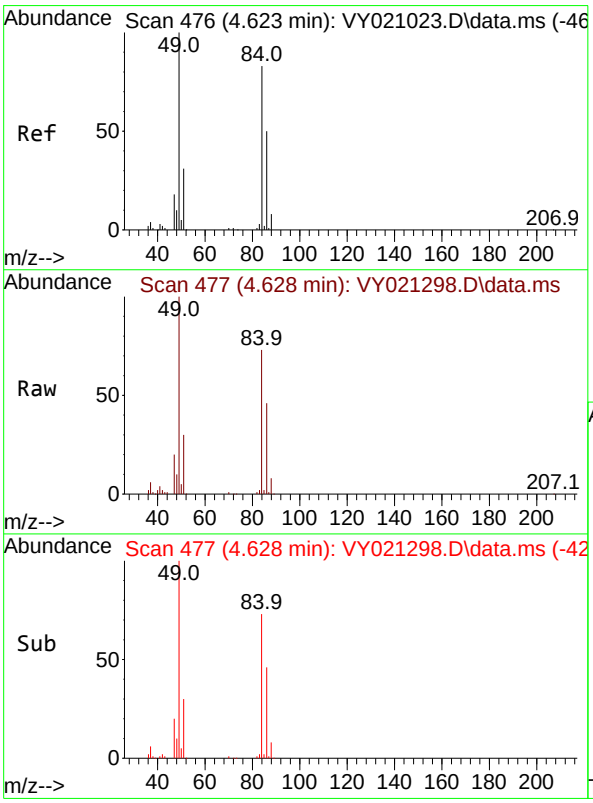
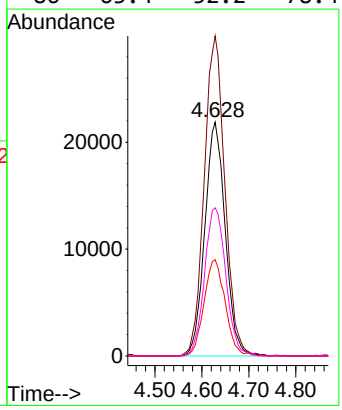
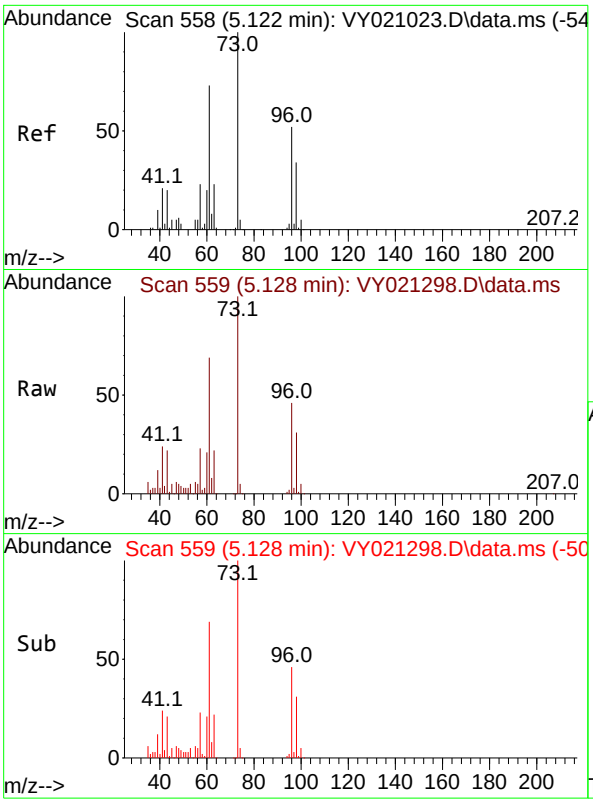



#20
Methylene Chloride
Concen: 52.142 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 84 Resp: 66140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.9 | 95.2 | 142.8 |
| 51 | 41.2 | 29.9 | 44.9 |
| 86 | 63.4 | 52.2 | 78.4 |

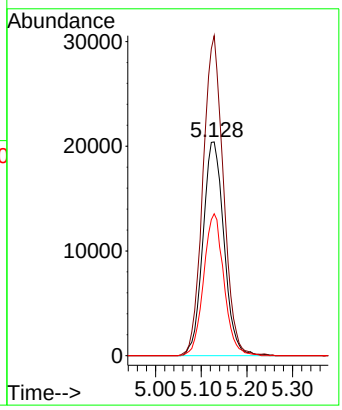





#21
trans-1,2-Dichloroethene
Concen: 48.693 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 96 Resp: 6526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.7 | 104.6 | 156.8 |
| 98 | 66.4 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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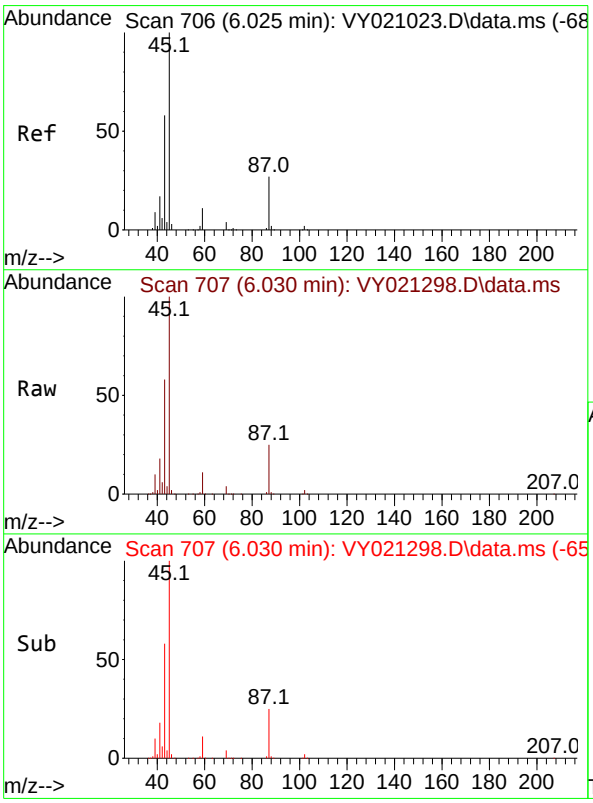
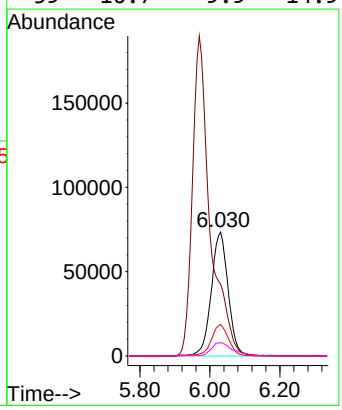
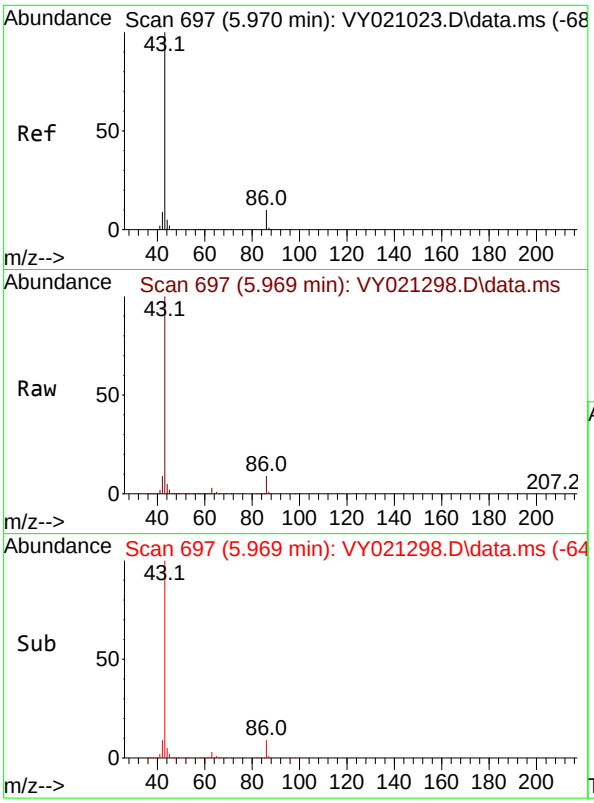



#22
Diisopropyl ether
Concen: 58.129 ug/l
RT: 6.030 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 45 Resp: 245873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 57.7 | 46.8 | 70.2 |
| 87 | 25.4 | 22.2 | 33.2 |
| 59 | 10.7 | 9.9 | 14.9 |

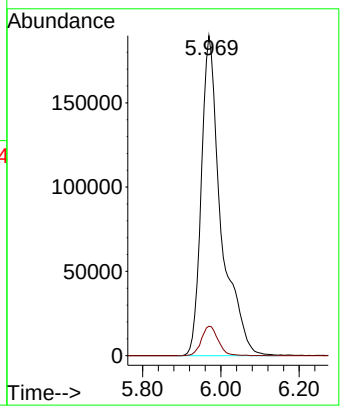





#23
Vinyl Acetate
Concen: 281.710 ug/l
RT: 5.969 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 66426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.2 | 8.6 | 13.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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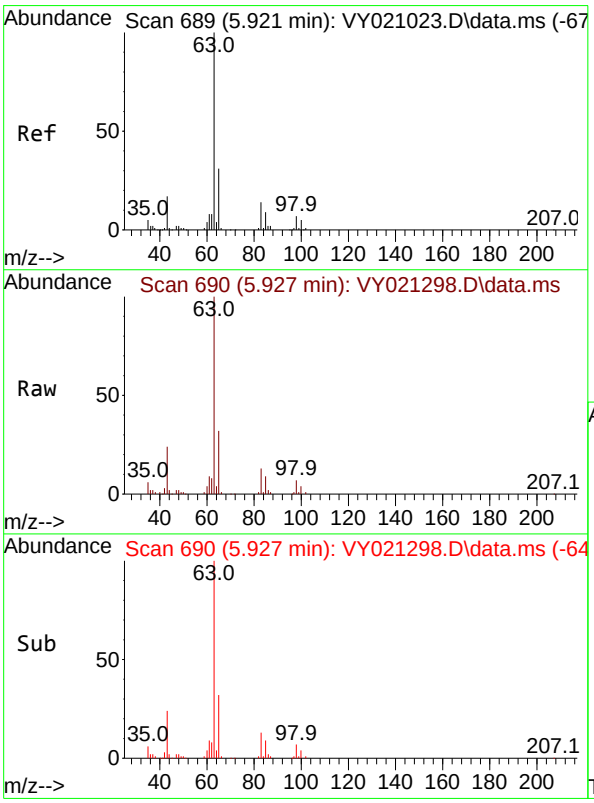
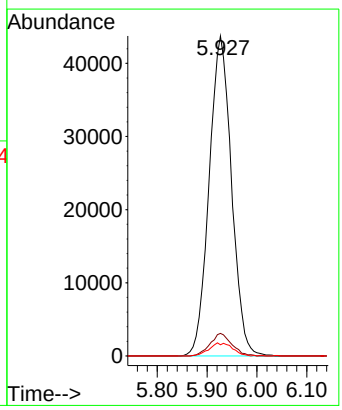
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

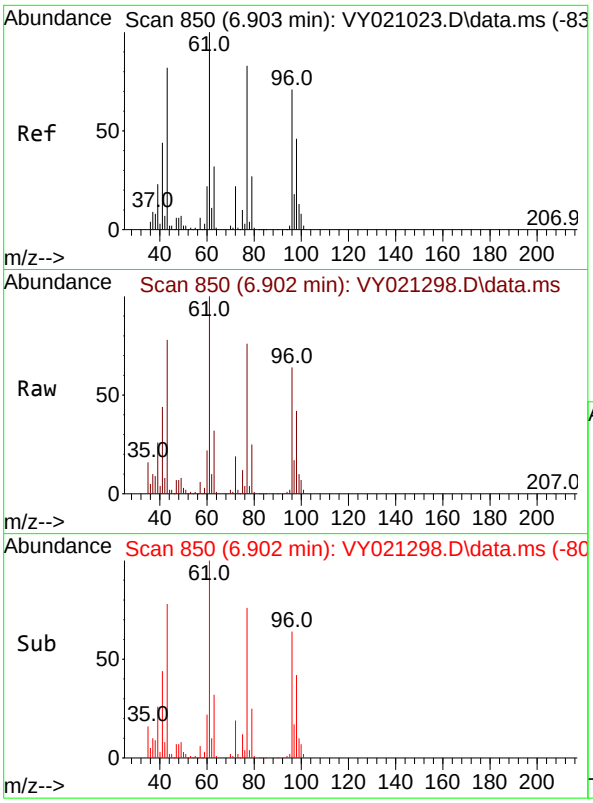



#24
1,1-Dichloroethane
Concen: 54.988 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 63 Resp: 136272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.8 | 11.4 |
| 100 | 3.5 | 2.1 | 6.2 |






#25
2-Butanone
Concen: 281.796 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 9448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 21.4 | 32.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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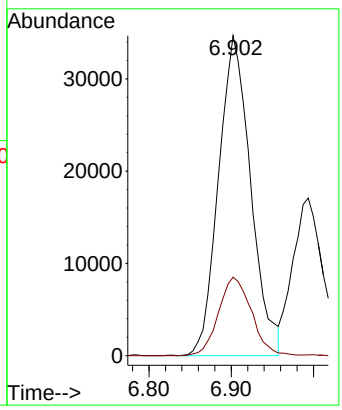
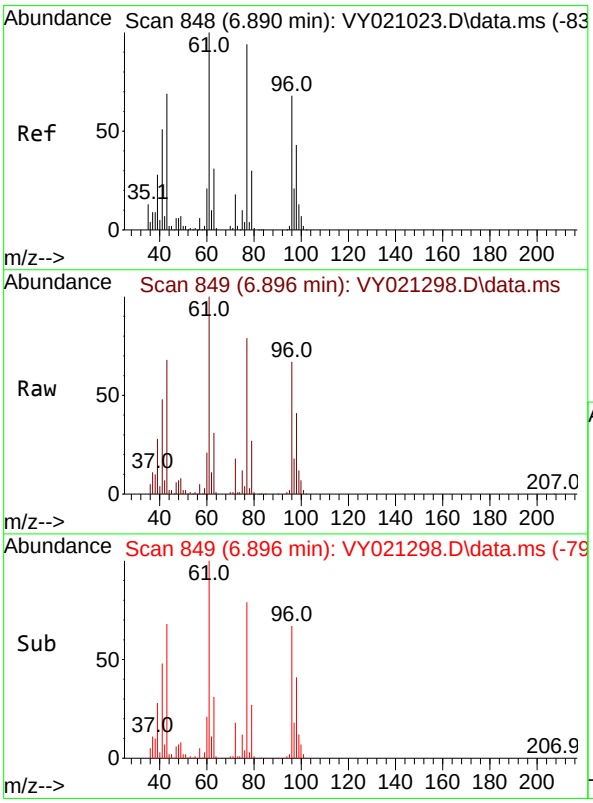
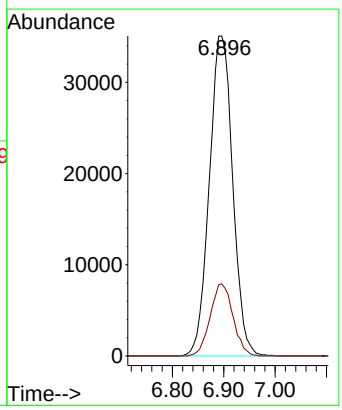


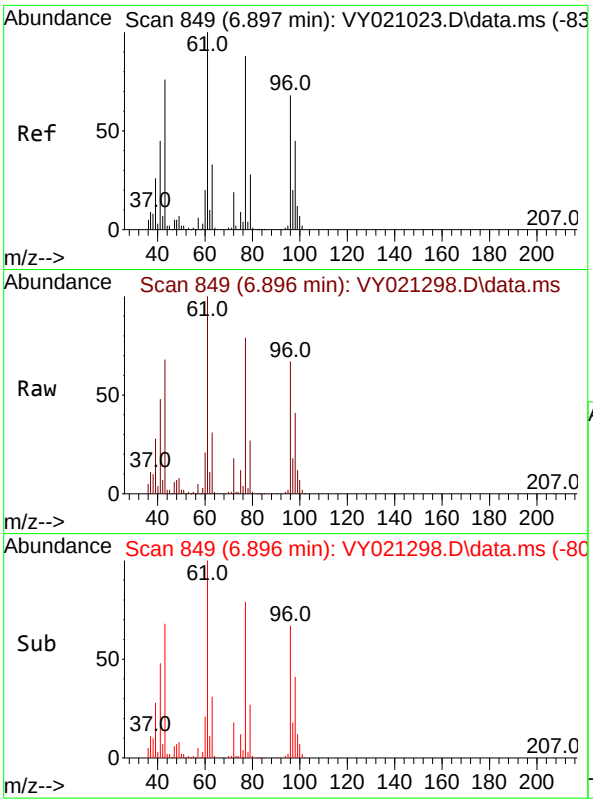




#26
2,2-Dichloropropane
Concen: 48.309 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 77 Resp: 110775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 11.7 | 35.0 |

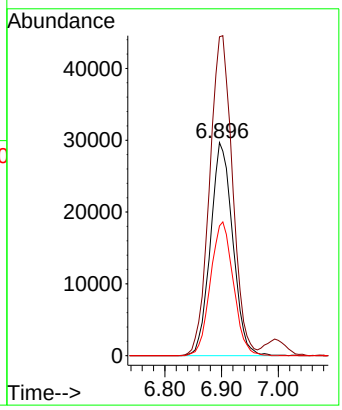





#27
cis-1,2-Dichloroethene
Concen: 52.612 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 96 Resp: 8116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.5 | 0.0 | 278.8 |
| 98 | 64.4 | 0.0 | 127.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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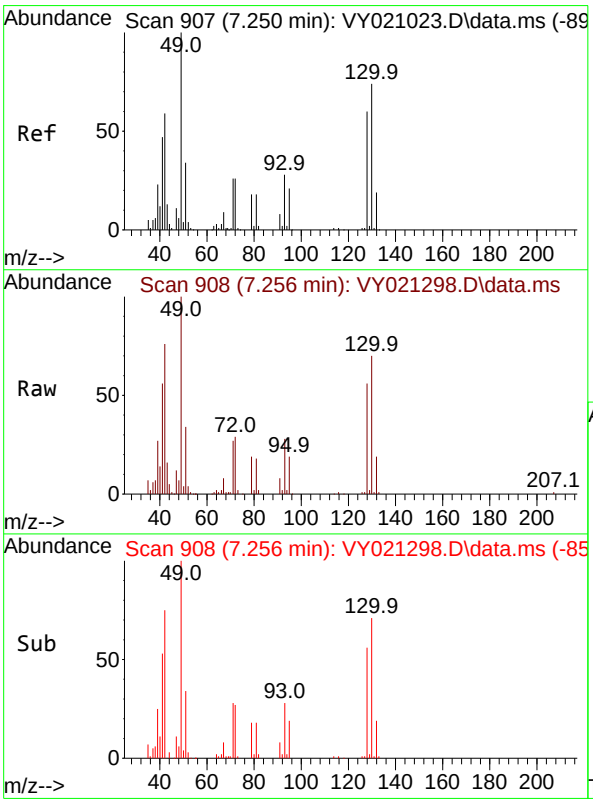
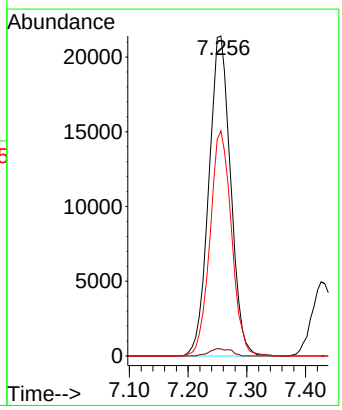
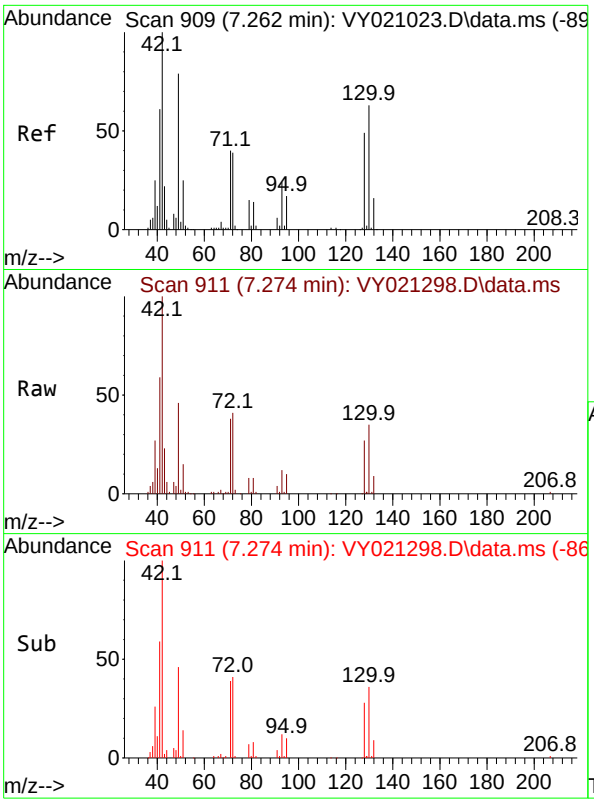



#28
Bromochloromethane
Concen: 56.218 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 49 Resp: 55091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 3.8 |
| 130 | 69.4 | 59.8 | 89.8 |

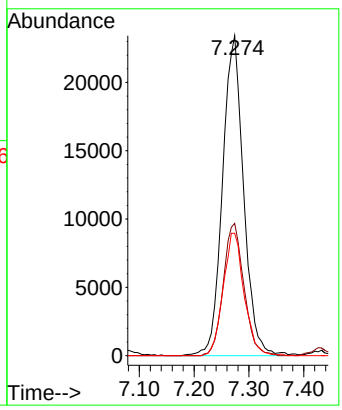





#29
Tetrahydrofuran
Concen: 275.466 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 42 Resp: 6249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.6 | 36.6 | 54.8 |
| 71 | 38.0 | 33.8 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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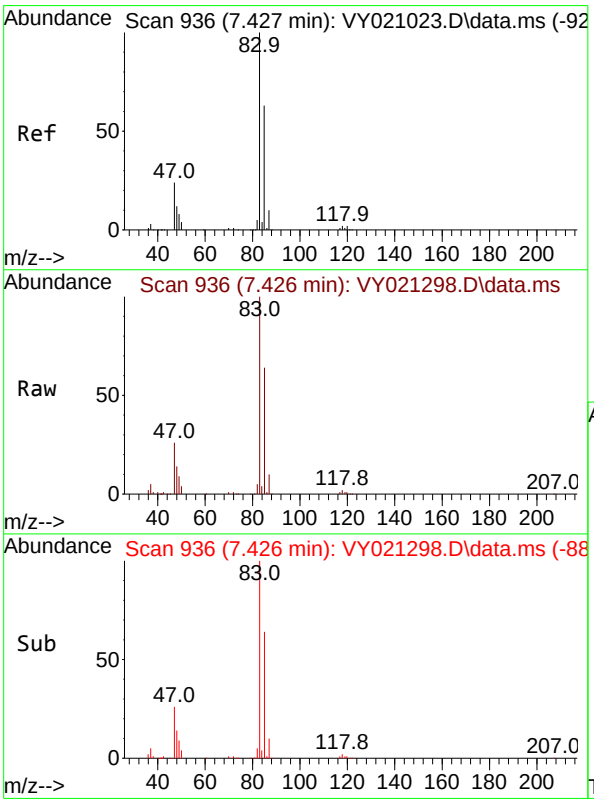
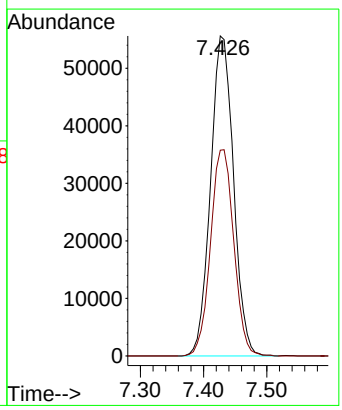
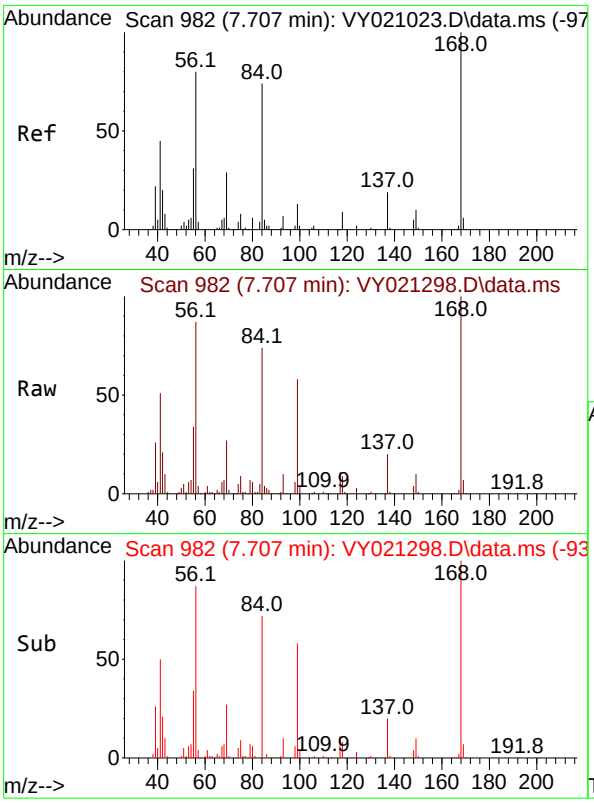



#30
Chloroform
Concen: 55.027 ug/l
RT: 7.426 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 83 Resp: 140070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 51.2 | 76.8 |

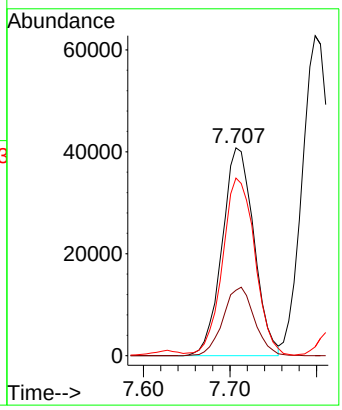





#31
Cyclohexane
Concen: 46.649 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 56 Resp: 10410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.5 | 27.0 | 40.6 |
| 84 | 83.8 | 71.8 | 107.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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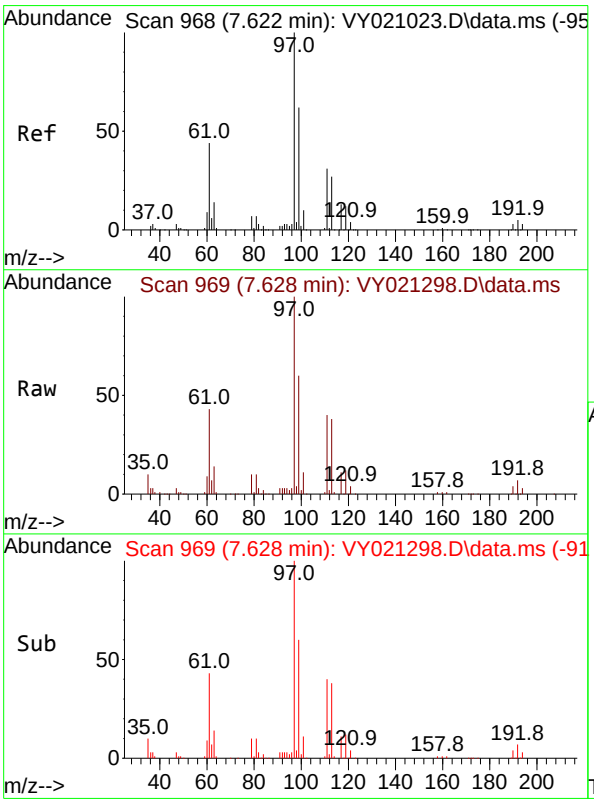
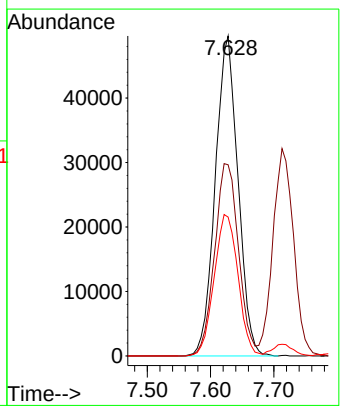
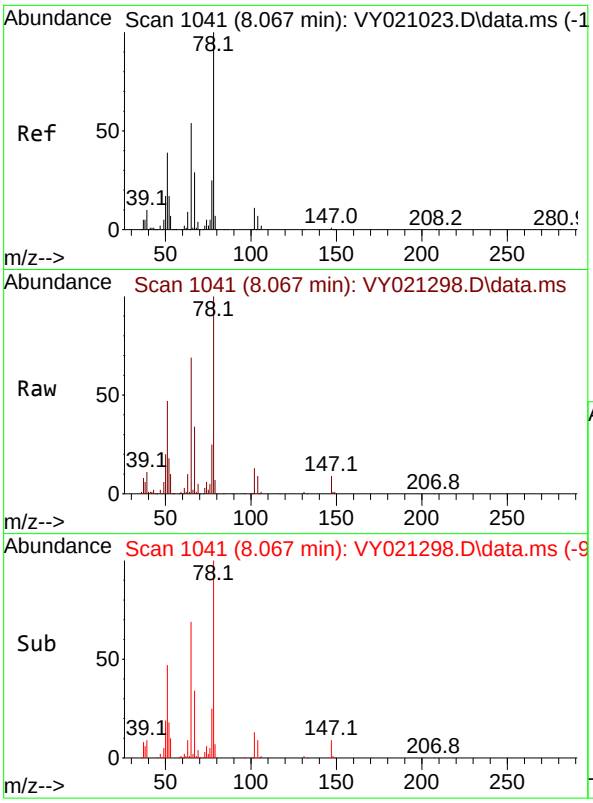



#32
1,1,1-Trichloroethane
Concen: 52.224 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 97 Resp: 123595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 51.2 | 76.8 |
| 61 | 46.4 | 35.0 | 52.6 |

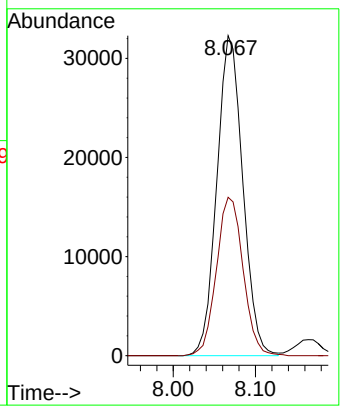





#33
1,2-Dichloroethane-d4
Concen: 54.125 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 65 Resp: 7081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.0 | 0.0 | 109.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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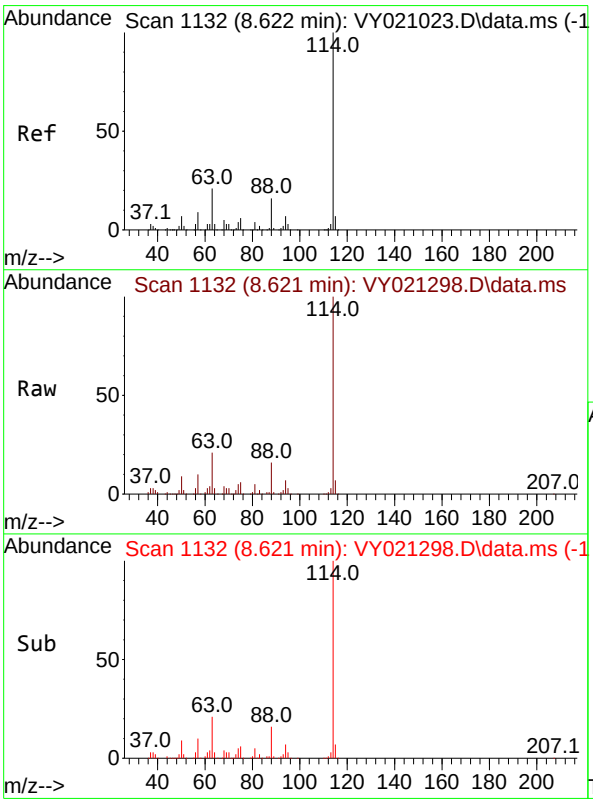
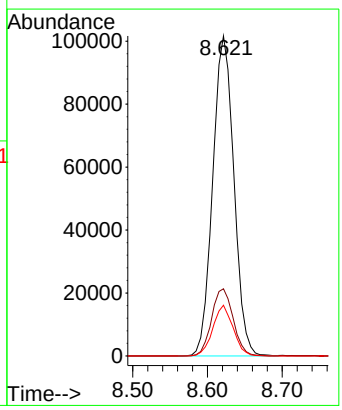
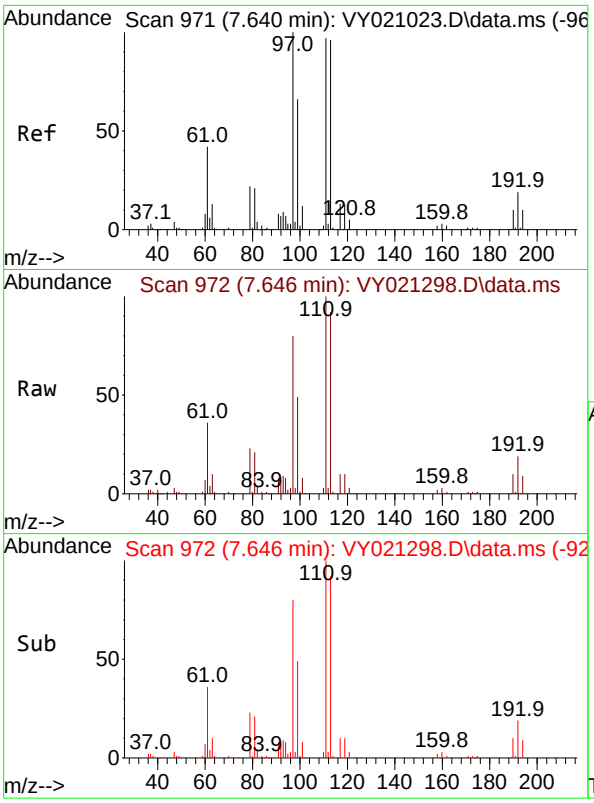



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:114 Resp: 200243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 37.4 |
| 88 | 15.8 | 0.0 | 29.0 |

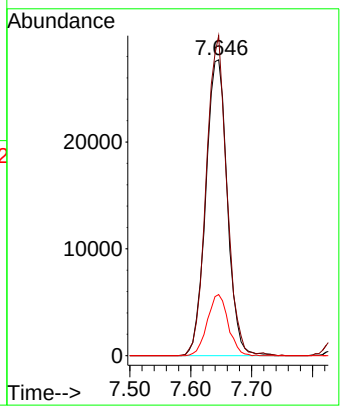





#35
Dibromofluoromethane
Concen: 53.011 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:113 Resp: 6802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 83.8 | 125.6 |
| 192 | 20.0 | 14.5 | 21.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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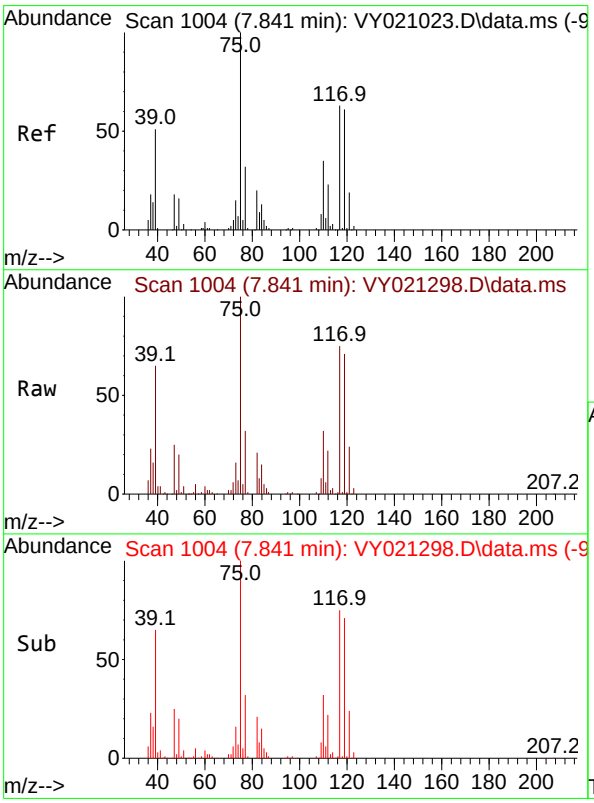
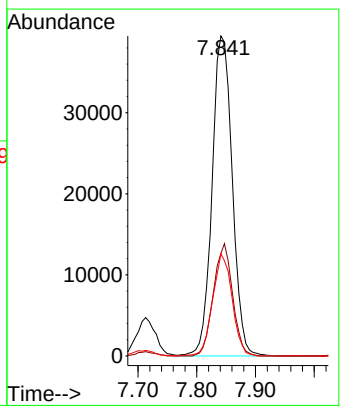
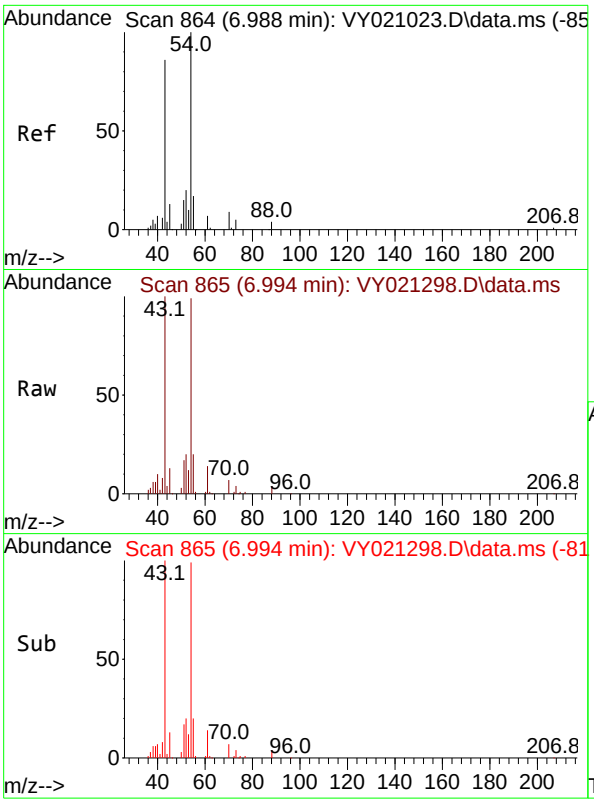



#36
1,1-Dichloropropene
Concen: 49.653 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 75 Resp: 94379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.3 | 17.4 | 52.3 |
| 77 | 30.8 | 24.7 | 37.1 |

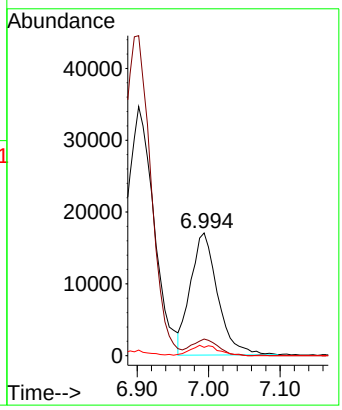





#37
Ethyl Acetate
Concen: 53.780 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 4484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 11.0 | 16.6 |
| 70 | 8.8 | 8.1 | 12.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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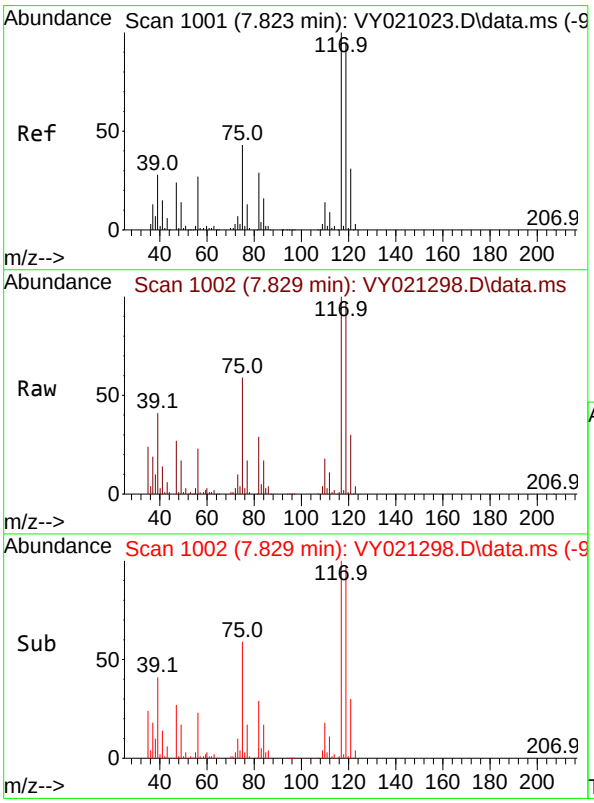
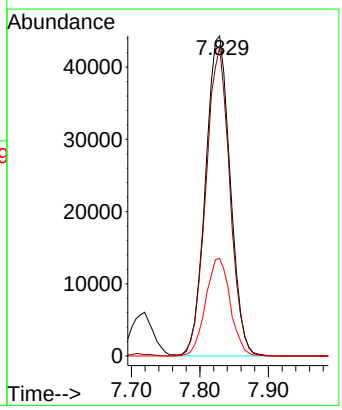
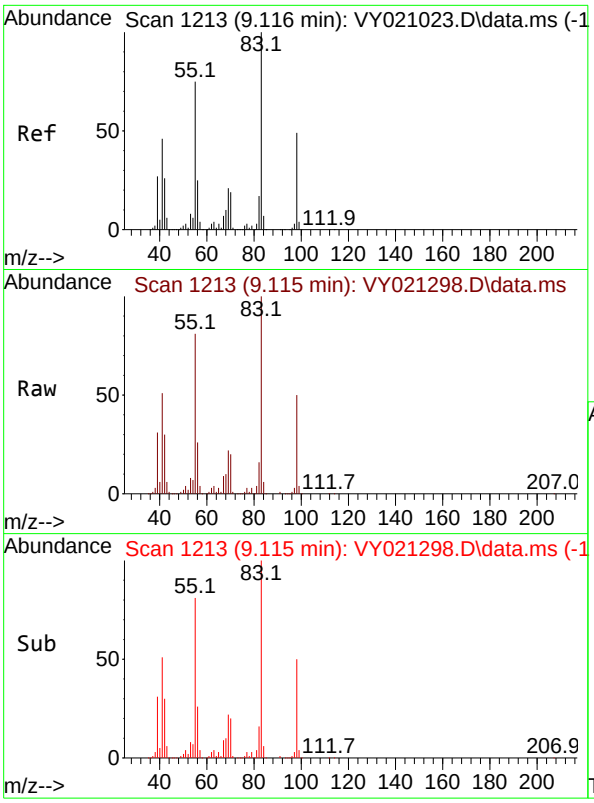



#38
Carbon Tetrachloride
Concen: 49.712 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:117 Resp: 110409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 76.0 | 114.0 |
| 121 | 30.4 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 47.400 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 83 Resp: 11020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.4 | 59.7 | 89.5 |
| 98 | 50.0 | 38.0 | 57.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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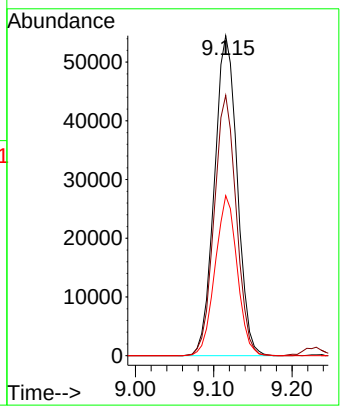
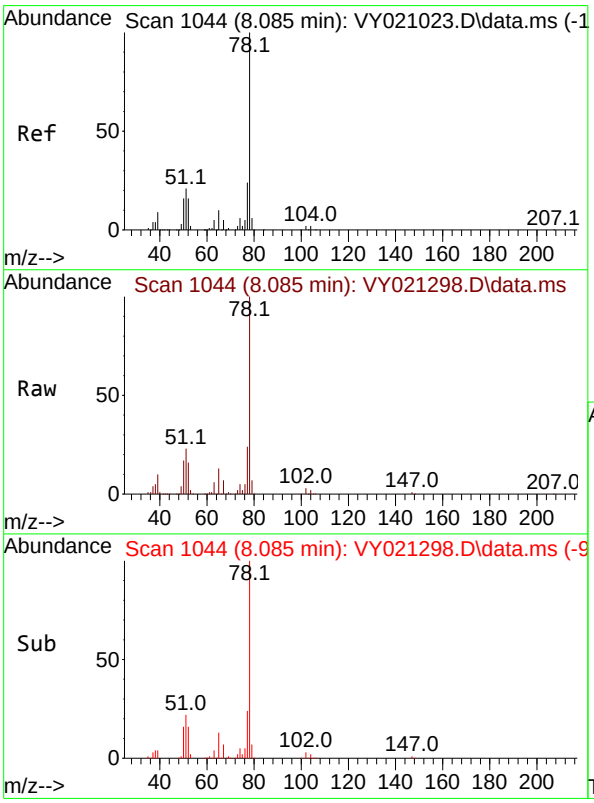
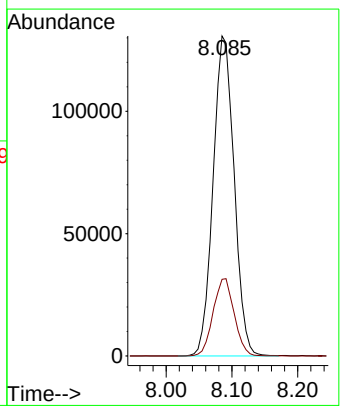


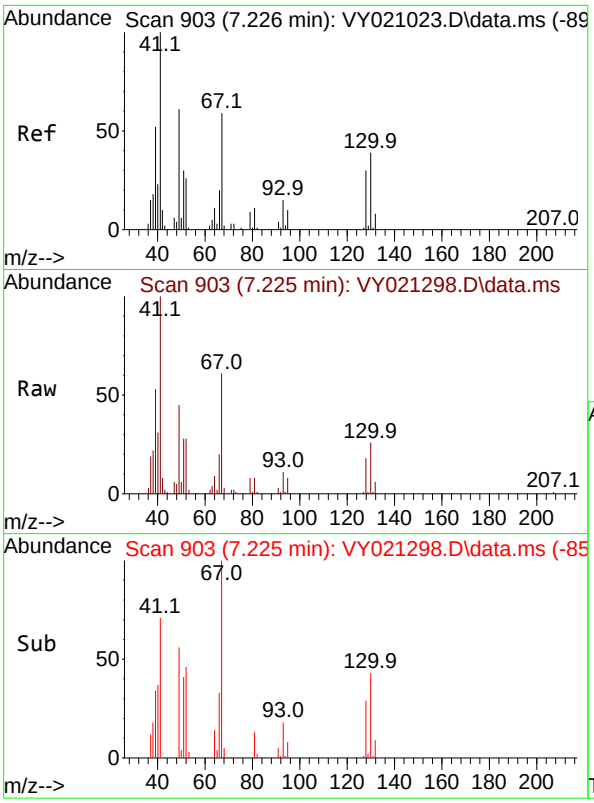




#40
Benzene
Concen: 52.236 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 78 Resp: 291377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 18.8 | 28.2 |

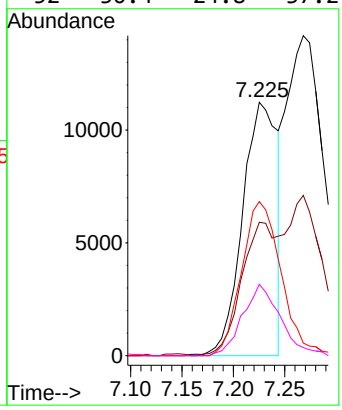





#41
Methacrylonitrile
Concen: 54.835 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 41 Resp: 2645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.9 | 41.9 | 62.9 |
| 67 | 69.4 | 59.8 | 89.6 |
| 52 | 30.4 | 24.8 | 37.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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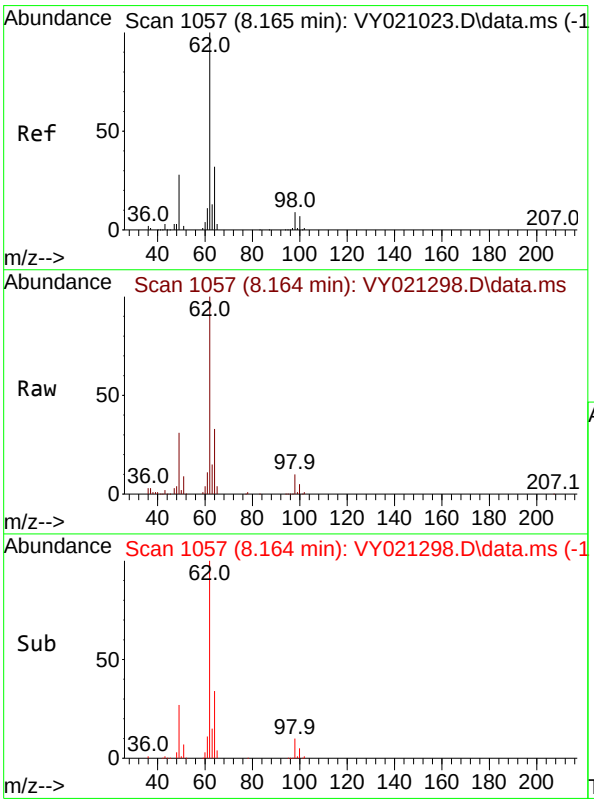
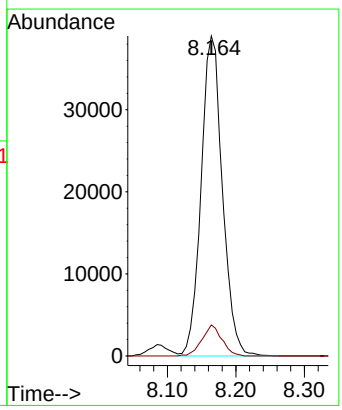
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

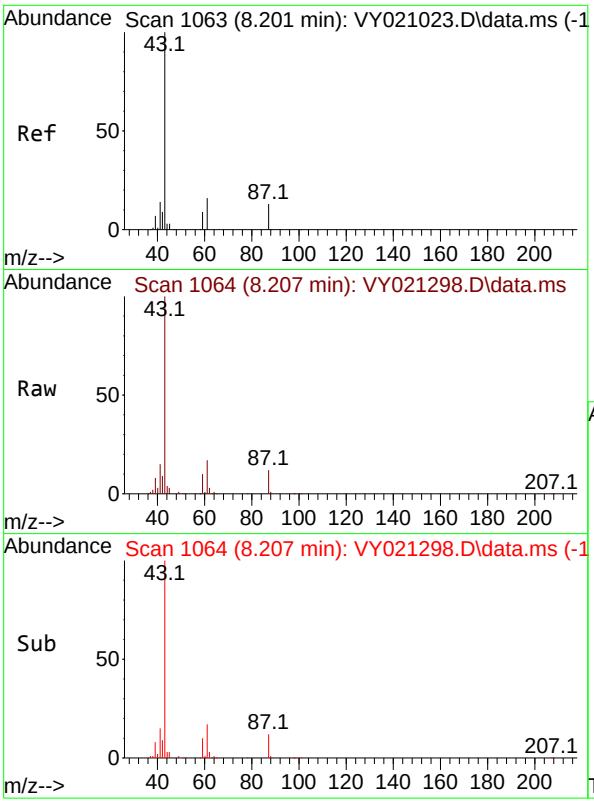



#42
1,2-Dichloroethane
Concen: 54.531 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 62 Resp: 84380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 20.2 |

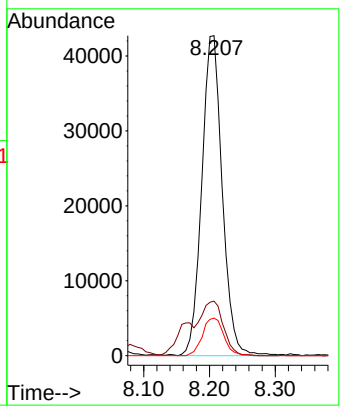





#43
Isopropyl Acetate
Concen: 55.868 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 9256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 24.8 | 37.2 |
| 87 | 12.2 | 10.7 | 16.1 |




**Instrument :**
MSVOA_Y
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**Manual Integrations**
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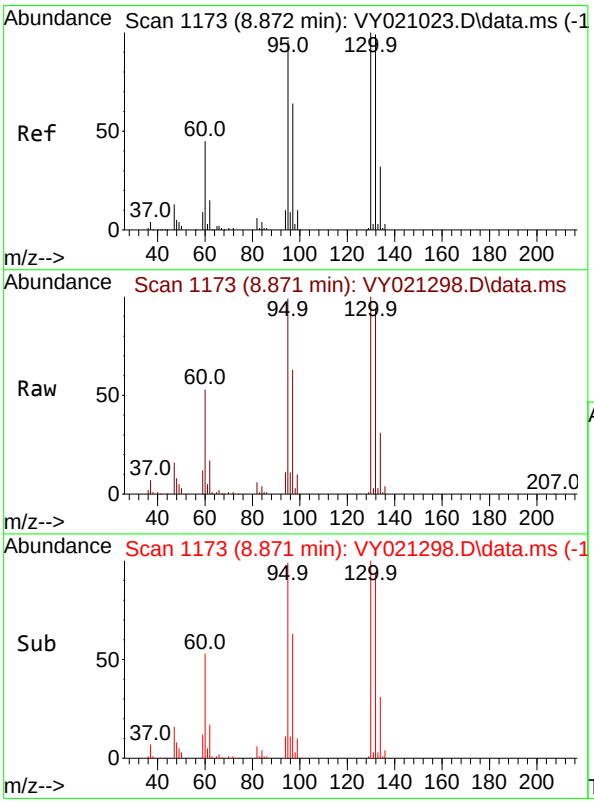
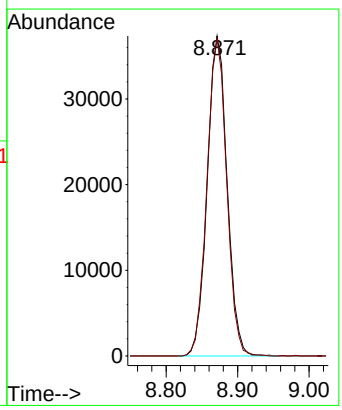
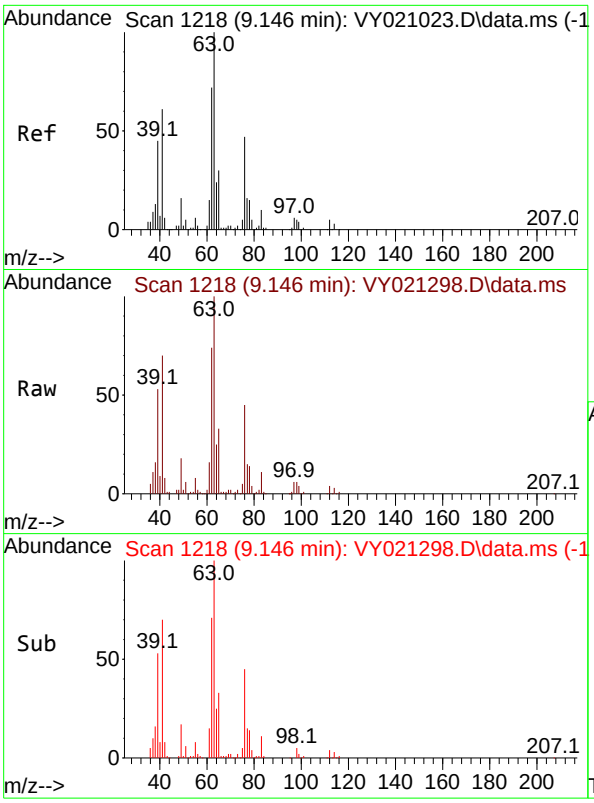



#44
Trichloroethene
Concen: 50.025 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:130 Resp: 72094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.0 | 0.0 | 203.8 |

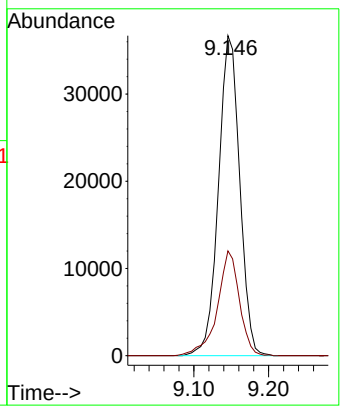





#45
1,2-Dichloropropane
Concen: 54.816 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 63 Resp: 7257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.7 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
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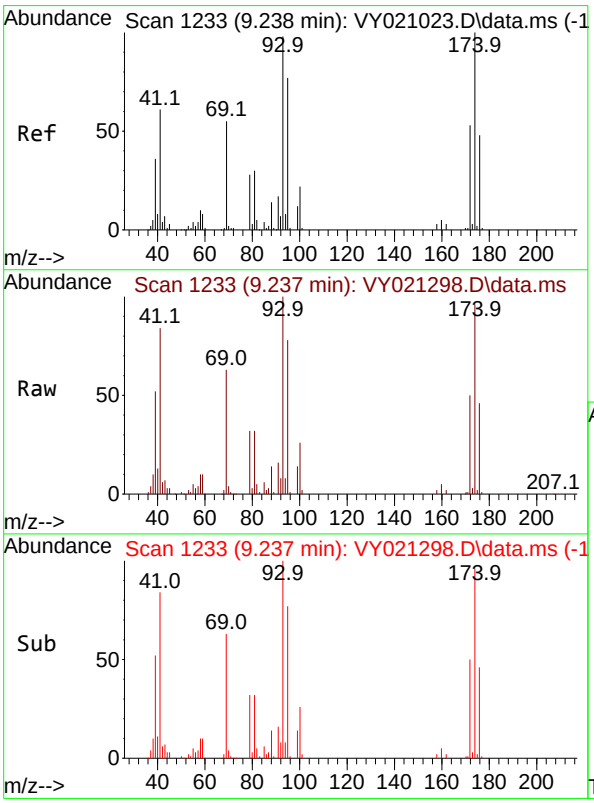
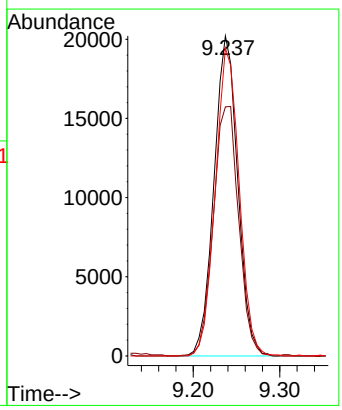
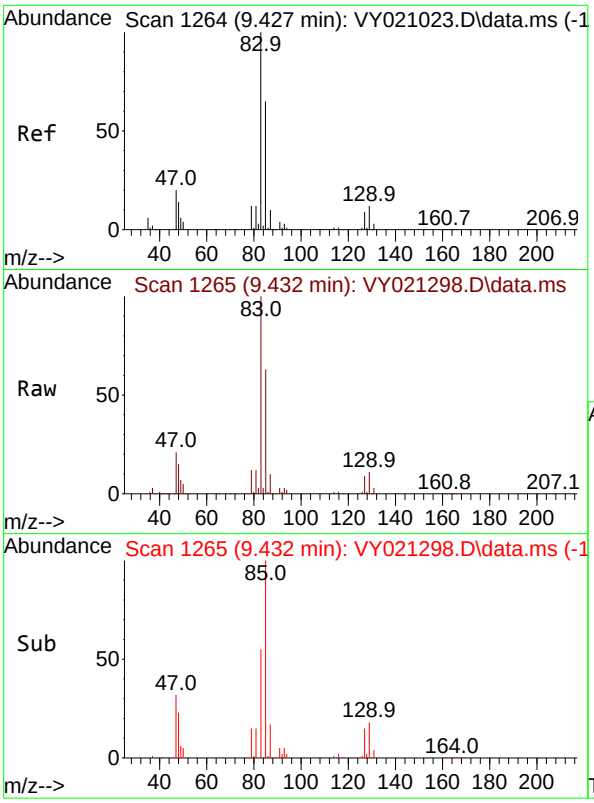



#46
Dibromomethane
Concen: 52.478 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 93 Resp: 38469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.1 | 66.6 | 99.8 |
| 174 | 96.5 | 73.8 | 110.6 |

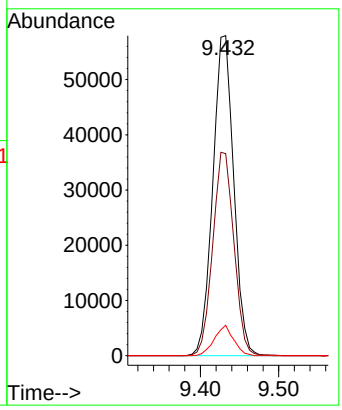





#47
Bromodichloromethane
Concen: 54.647 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 83 Resp: 10743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 53.2 | 79.8 |
| 127 | 9.5 | 6.4 | 9.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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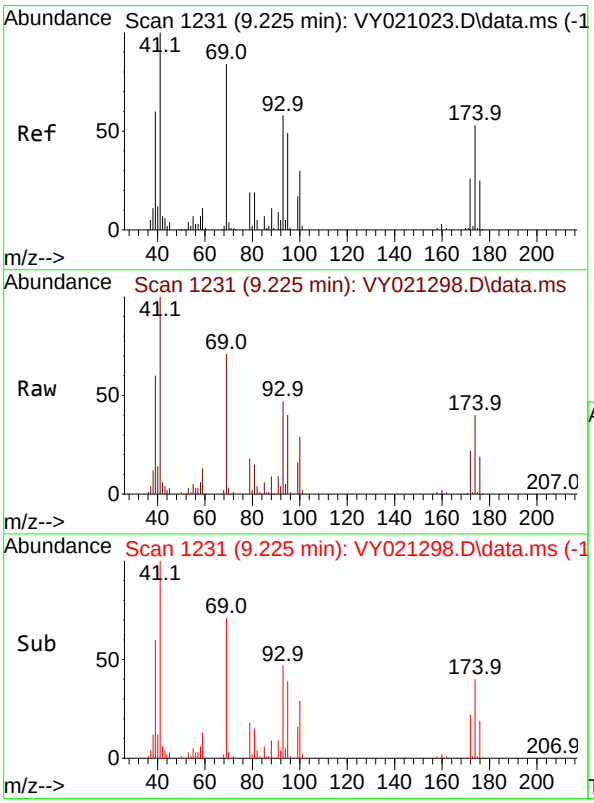
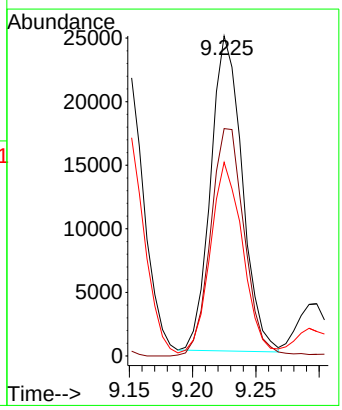
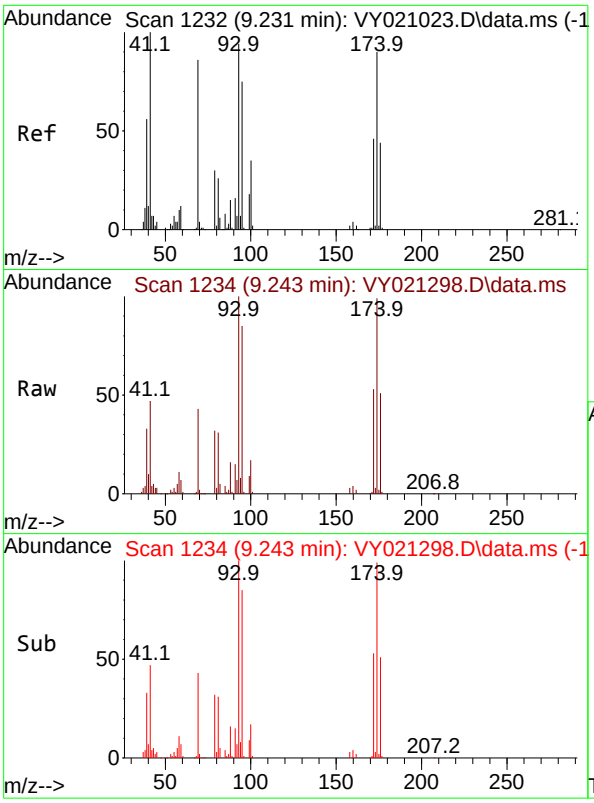



#48
Methyl methacrylate
Concen: 56.886 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 41 Resp: 42933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.8 | 72.1 | 108.1 |
| 39 | 61.9 | 42.8 | 64.2 |

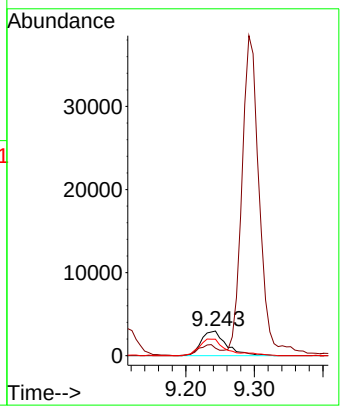





#49
1,4-Dioxane
Concen: 1109.293 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 88 Resp: 757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.1 | 28.2 | 42.4 |
| 58 | 73.6 | 52.2 | 78.2 |




**Instrument :**
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VSTDCCC050EC

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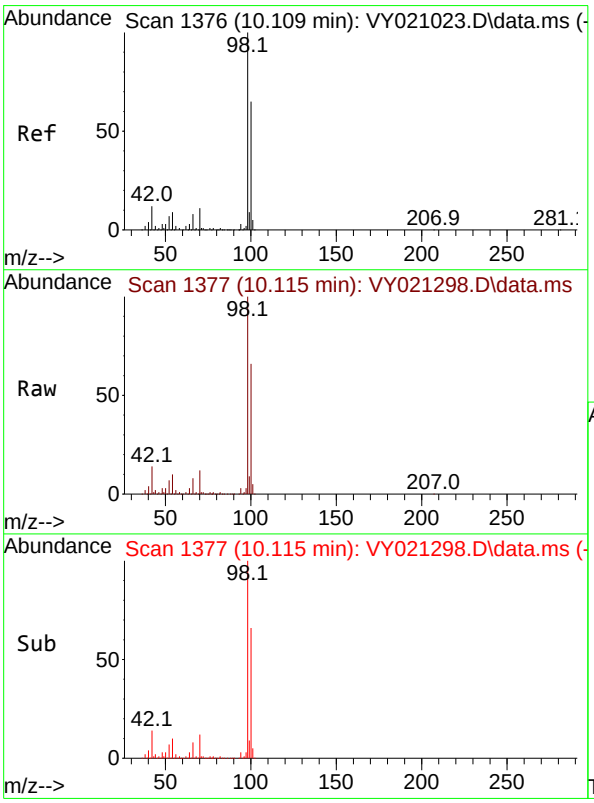
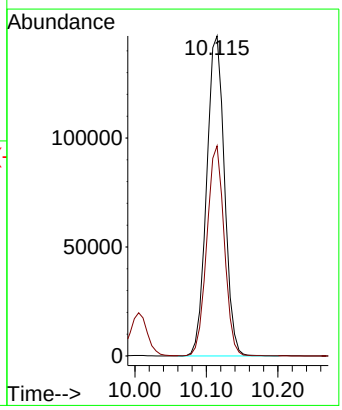
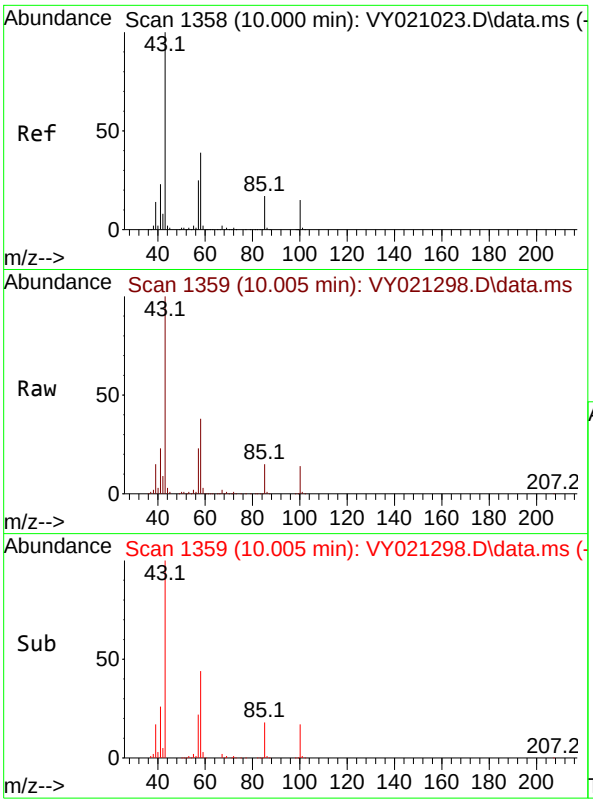



#50
Toluene-d8
Concen: 51.928 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 98 Resp: 253697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 52.3 | 78.5 |

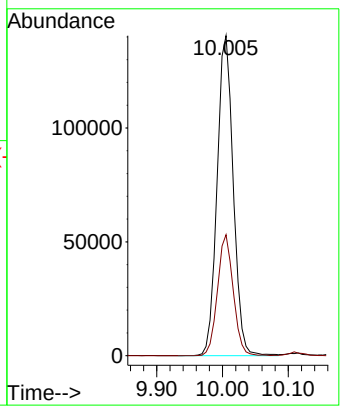





#51
4-Methyl-2-Pentanone
Concen: 288.857 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 24067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.8 | 32.2 | 48.2 |




**Instrument :**
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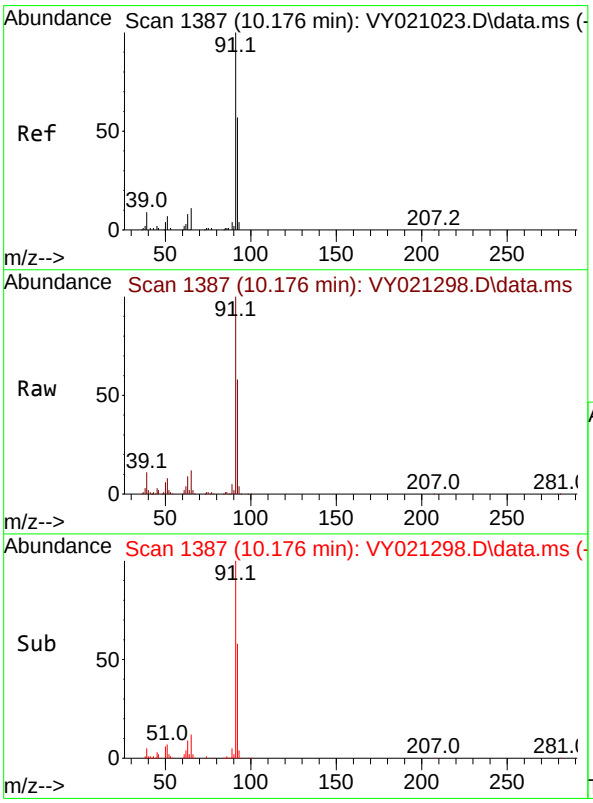
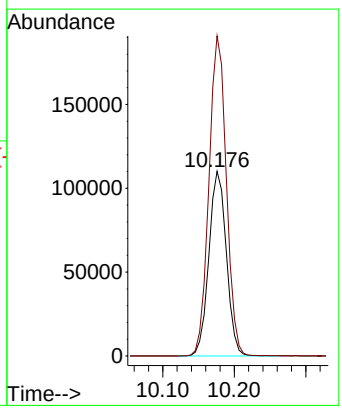
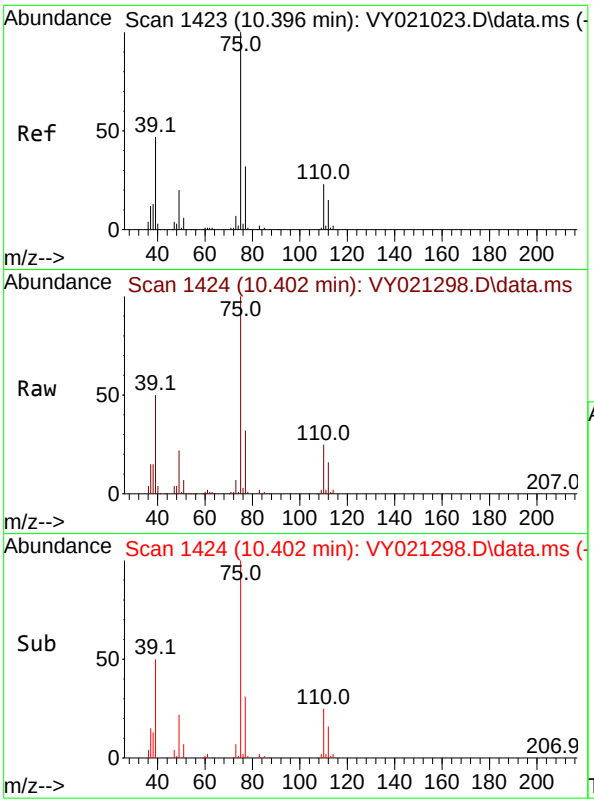



#52
Toluene
Concen: 53.357 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 92 Resp: 186882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 137.6 | 206.4 |






#53
t-1,3-Dichloropropene
Concen: 53.768 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 75 Resp: 9491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 24.6 | 36.8 |

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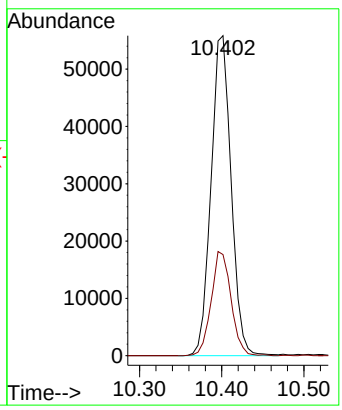
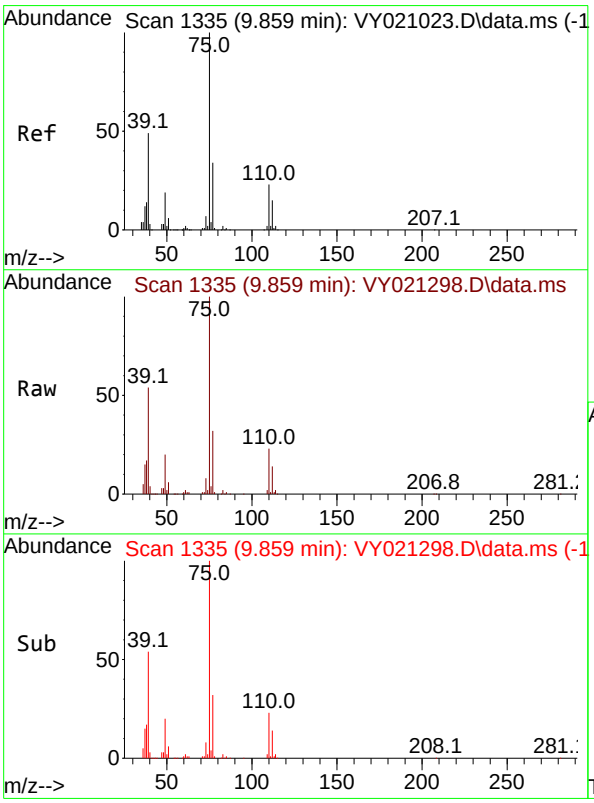
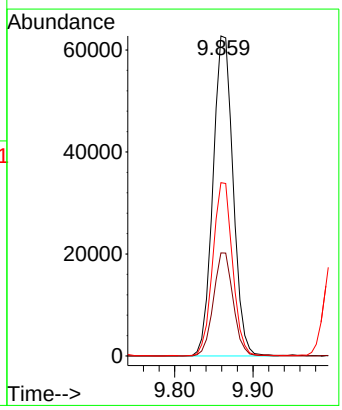


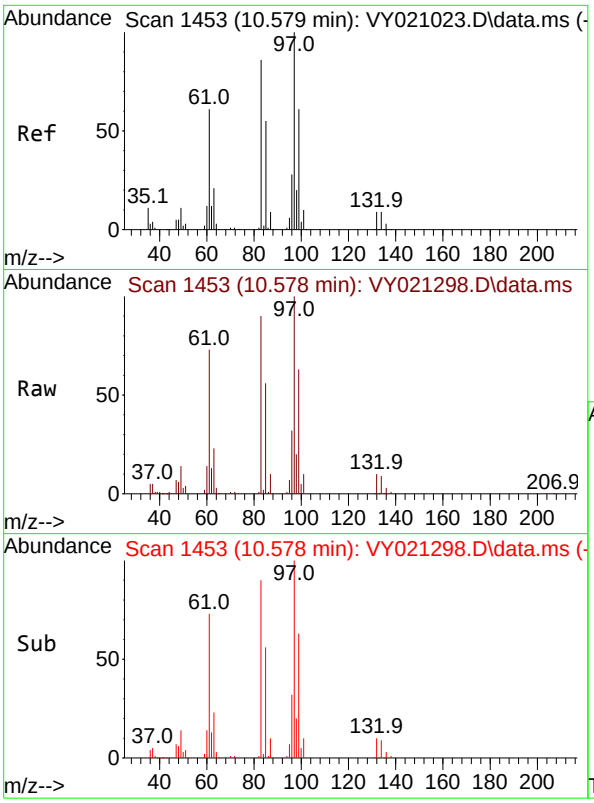




#54
cis-1,3-Dichloropropene
Concen: 53.589 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 75 Resp: 112011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 24.6 | 36.8 |
| 39 | 54.1 | 33.6 | 50.4# |

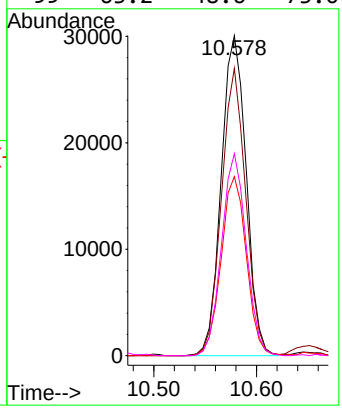





#55
1,1,2-Trichloroethane
Concen: 53.484 ug/l
RT: 10.578 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 97 Resp: 5077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.8 | 69.4 | 104.2 |
| 85 | 56.0 | 43.9 | 65.9 |
| 99 | 63.2 | 48.6 | 73.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

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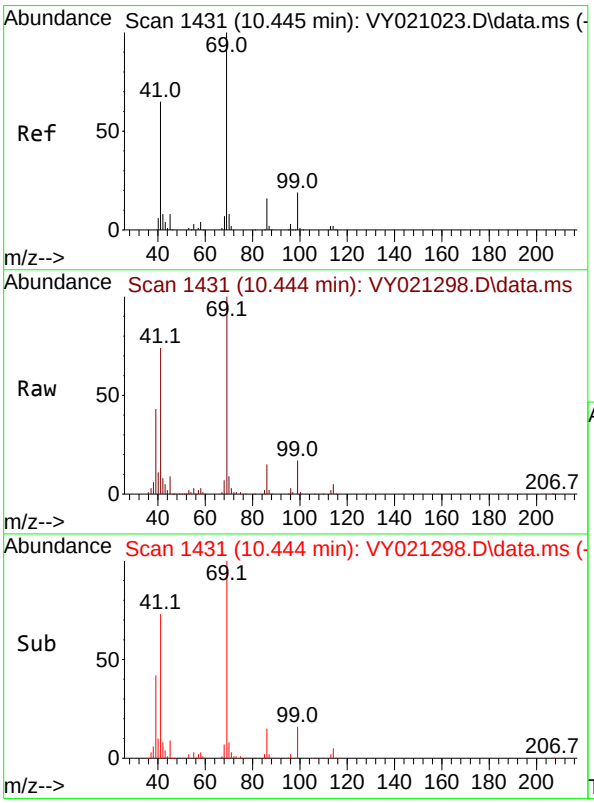
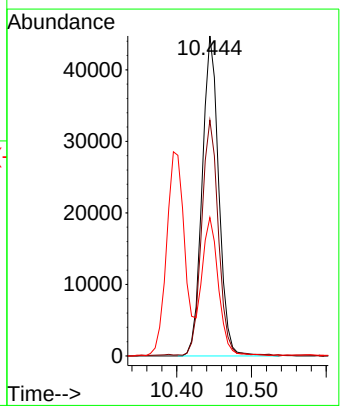
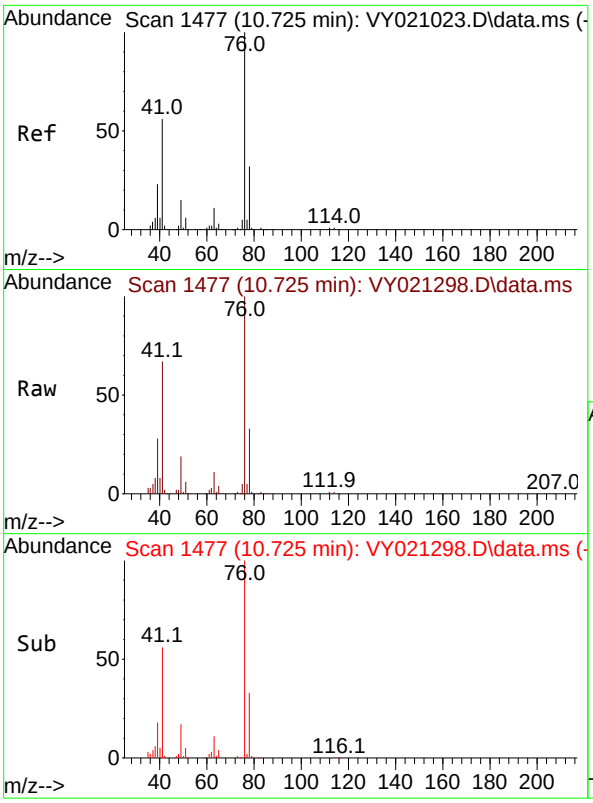



#56
Ethyl methacrylate
Concen: 54.350 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 69 Resp: 69019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 74.0 | 49.2 | 73.8# |
| 39 | 41.6 | 26.8 | 40.2# |

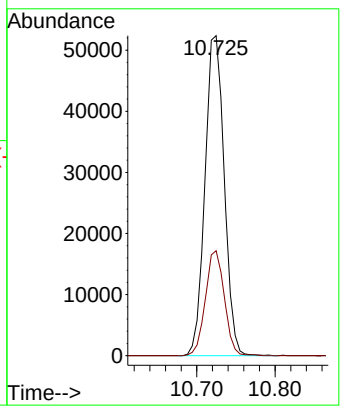





#57
1,3-Dichloropropane
Concen: 54.331 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 76 Resp: 8926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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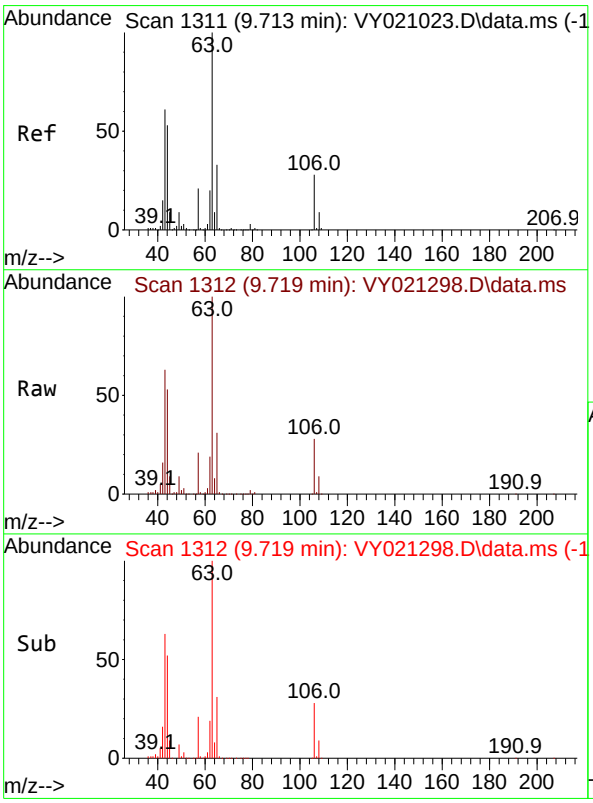
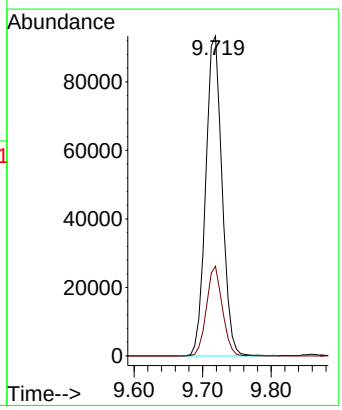
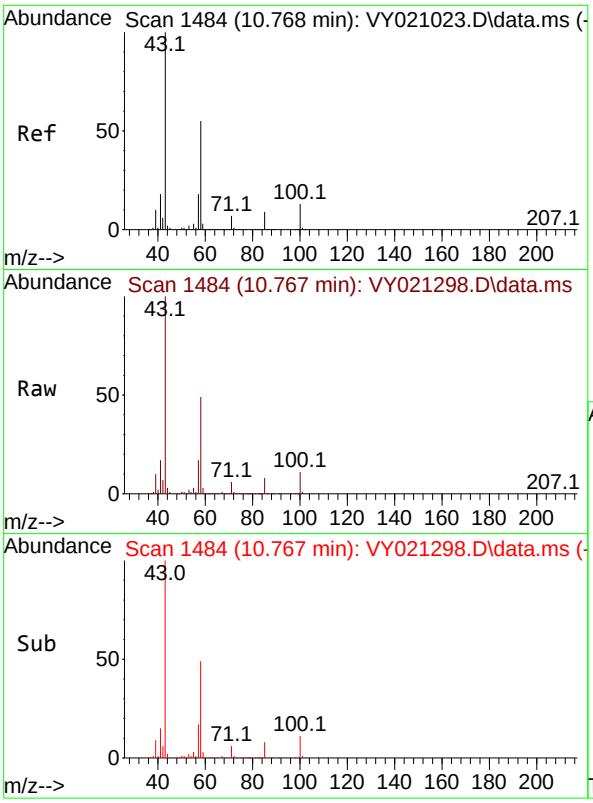



#58
2-Chloroethyl Vinyl ether
Concen: 256.535 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 63 Resp: 154985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.3 | 22.4 | 33.6 |






#59
2-Hexanone
Concen: 296.700 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

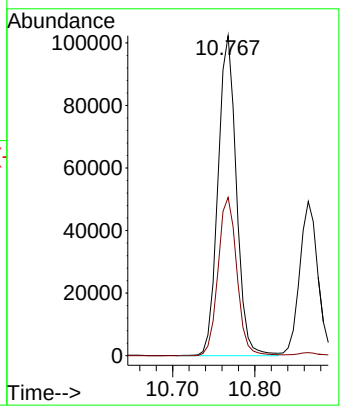
Tgt Ion: 43 Resp: 15916

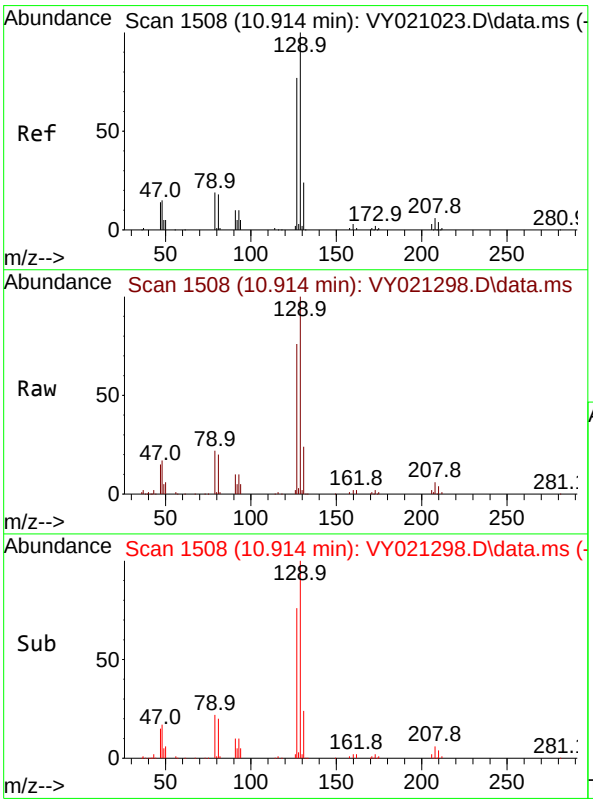
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.6 | 28.1 | 84.3 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

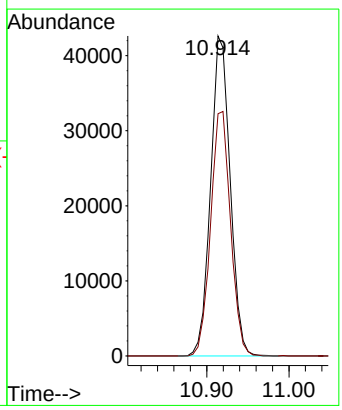


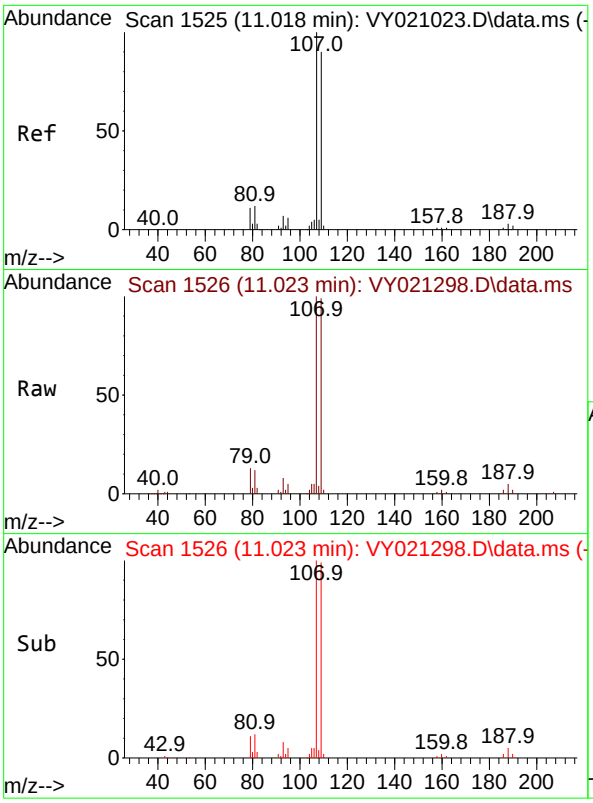




#60
Dibromochloromethane
Concen: 52.855 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:129 Resp: 70461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 39.2 | 117.6 |

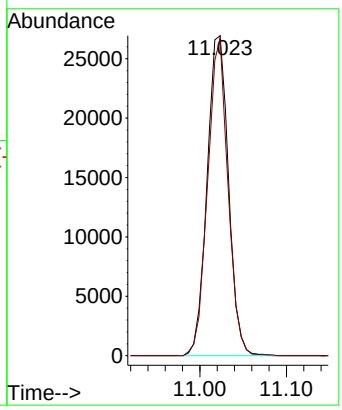





#61
1,2-Dibromoethane
Concen: 51.889 ug/l
RT: 11.023 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:107 Resp: 4613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.3 | 75.4 | 113.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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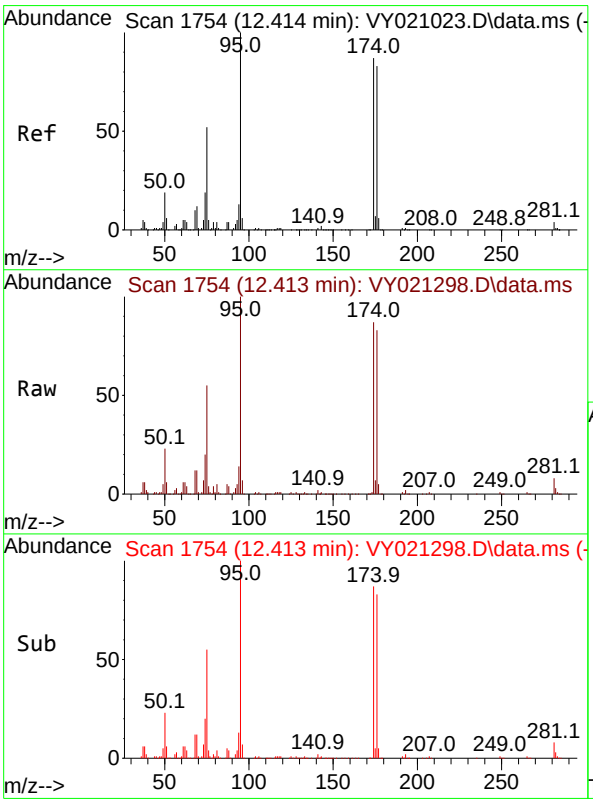
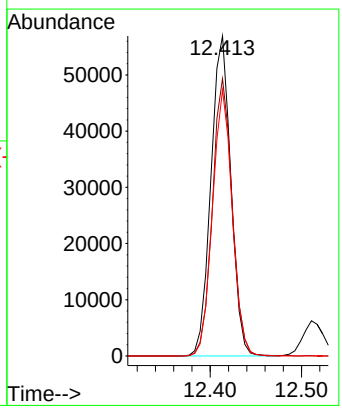
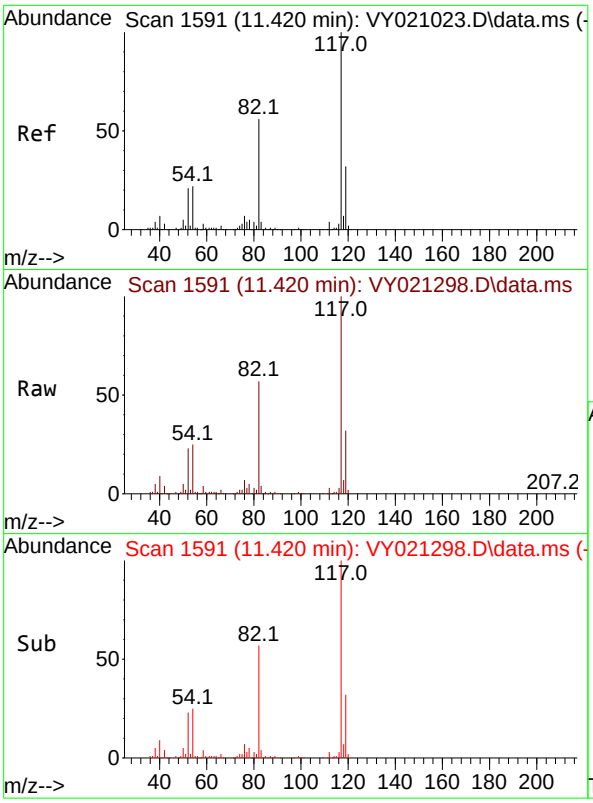



#62
4-Bromofluorobenzene
Concen: 54.149 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 95 Resp: 86427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.7 | 0.0 | 160.0 |
| 176 | 82.5 | 0.0 | 151.8 |

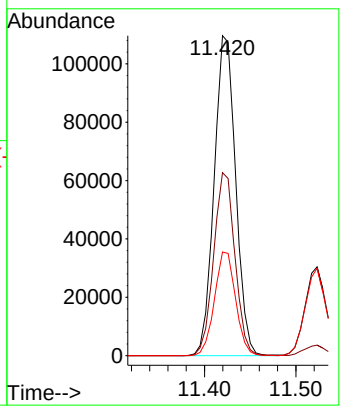





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:117 Resp: 17939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.2 | 43.8 | 65.8 |
| 119 | 32.4 | 26.5 | 39.7 |




**Instrument :**
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**ClientSampleId :**
VSTDCCC050EC

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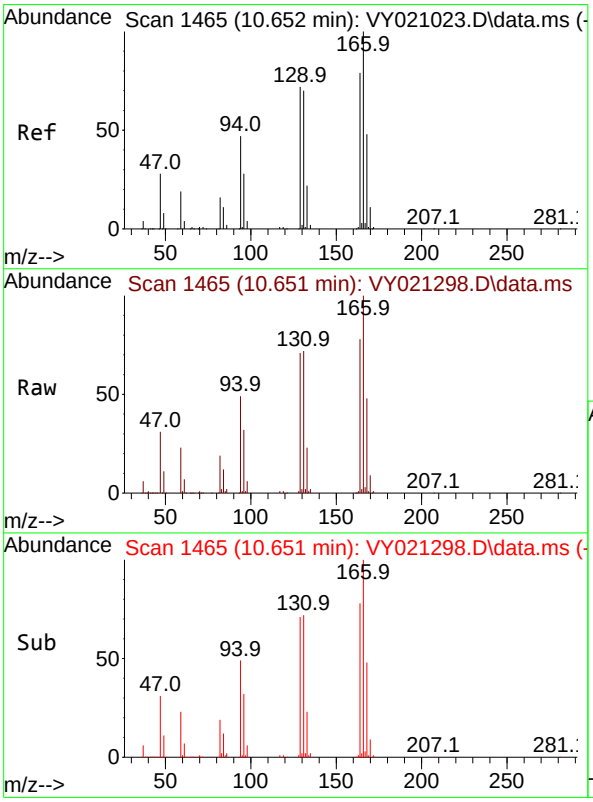
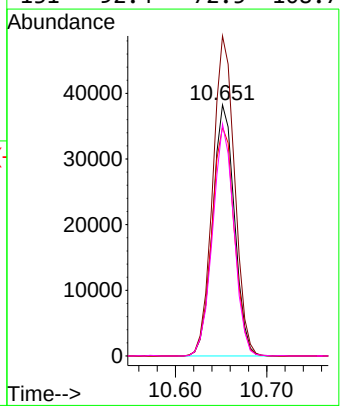
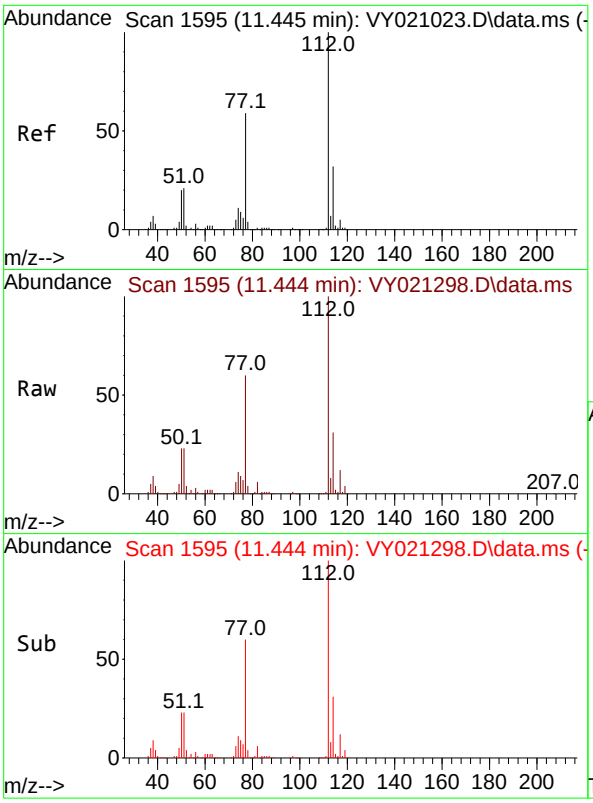



#64
Tetrachloroethene
Concen: 47.707 ug/l
RT: 10.651 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:164 Resp: 63533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.5 | 98.8 | 148.2 |
| 129 | 91.1 | 78.9 | 118.3 |
| 131 | 92.4 | 72.5 | 108.7 |

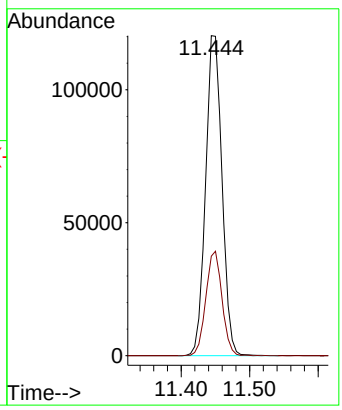





#65
Chlorobenzene
Concen: 50.154 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:112 Resp: 20034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.1 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
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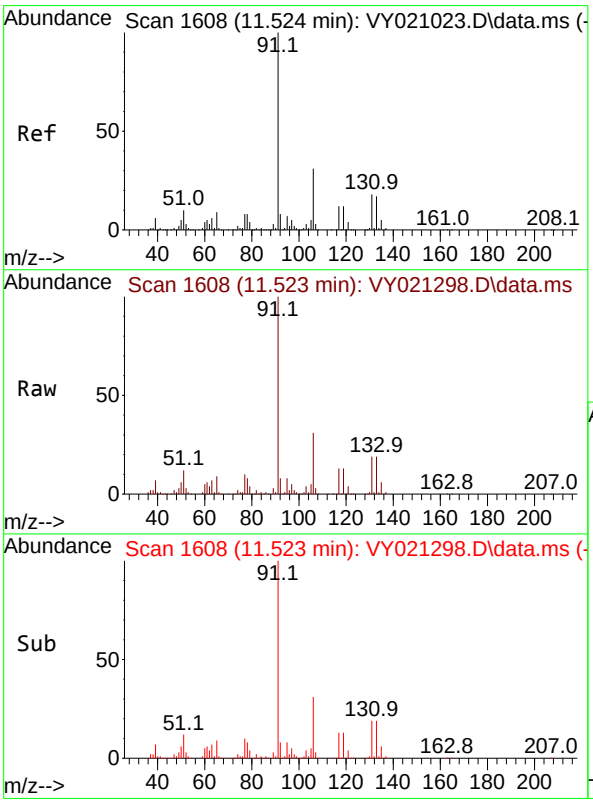
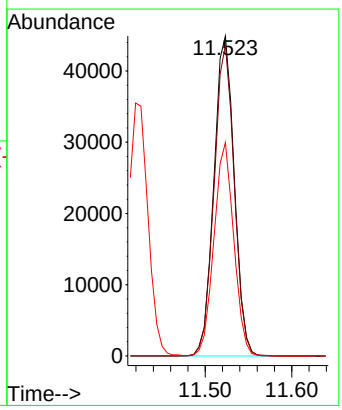
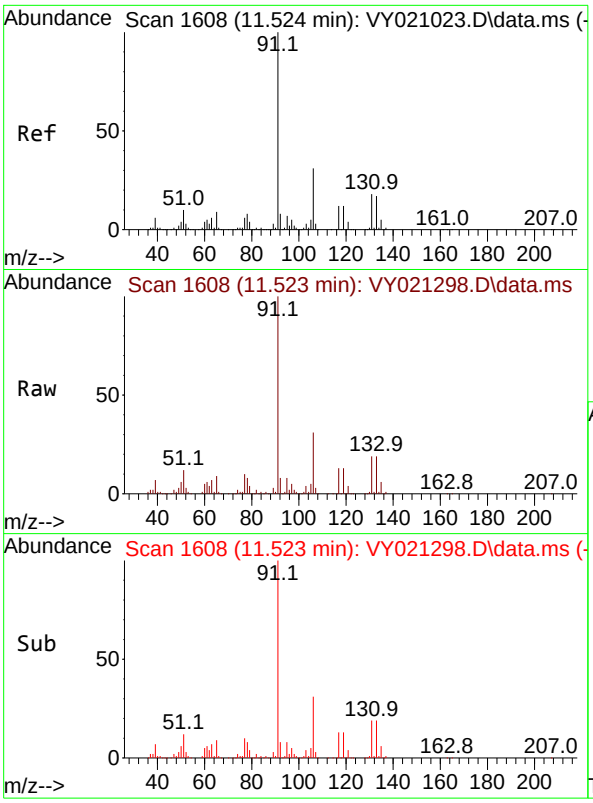



#66
1,1,1,2-Tetrachloroethane
Concen: 51.667 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:131 Resp: 73344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.0 | 47.0 | 141.0 |
| 119 | 64.9 | 33.3 | 99.9 |

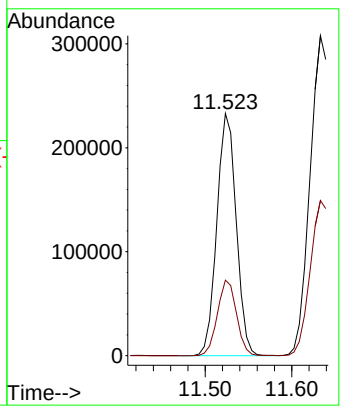





#67
Ethyl Benzene
Concen: 51.210 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 91 Resp: 36181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.2 | 25.0 | 37.4 |




**Instrument :**
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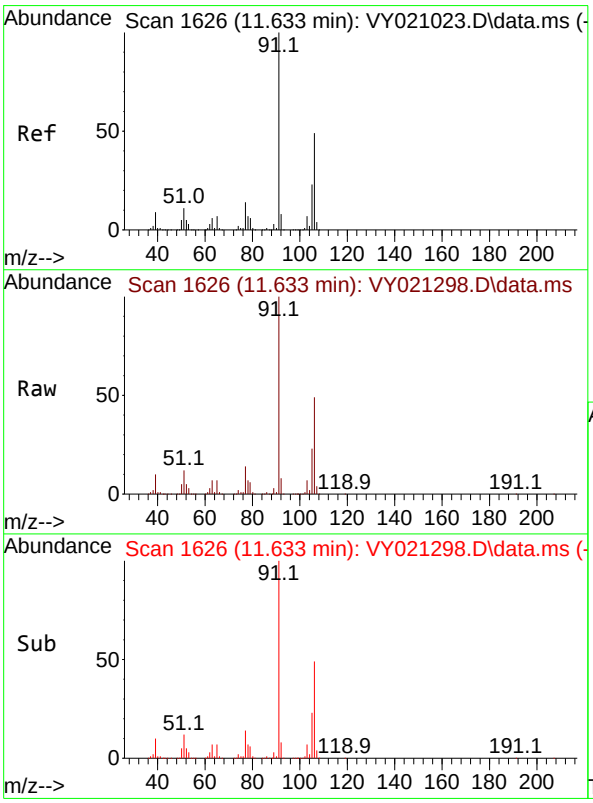
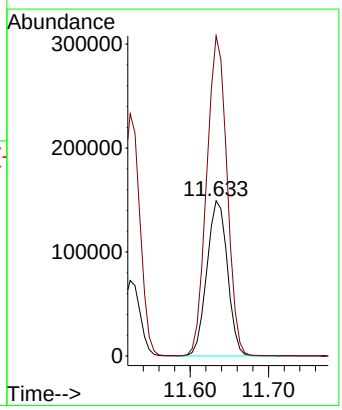
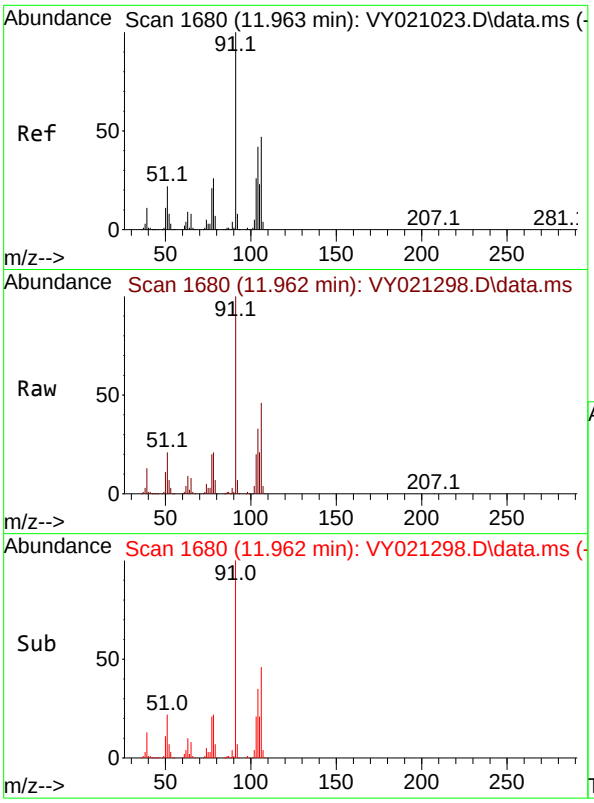



#68
m/p-Xylenes
Concen: 102.873 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:106 Resp: 271905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.9 | 160.7 | 241.1 |

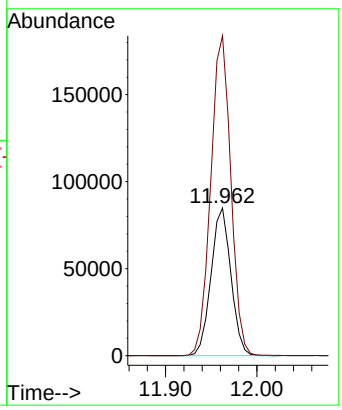





#69
o-Xylene
Concen: 52.018 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:106 Resp: 12818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.3 | 106.5 | 319.5 |

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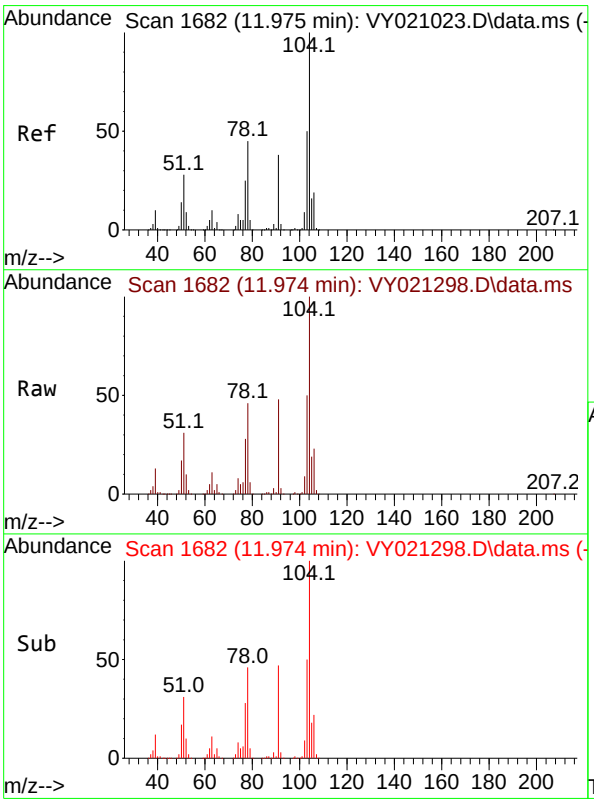
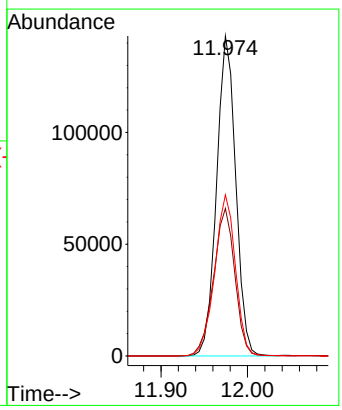
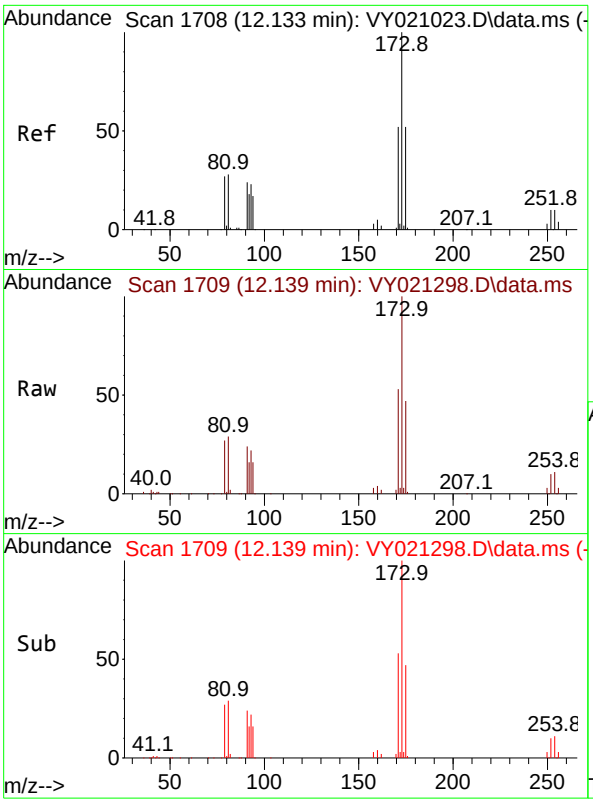



#70
Styrene
Concen: 53.599 ug/l
RT: 11.974 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:104 Resp: 220140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.3 | 39.2 | 58.8 |
| 103 | 54.7 | 43.8 | 65.6 |

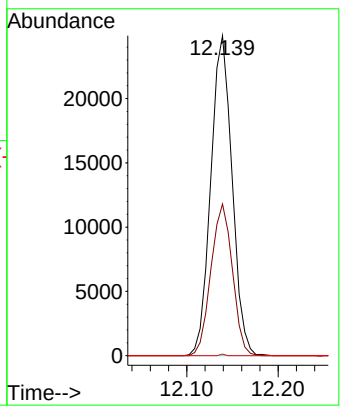





#71
Bromoform
Concen: 50.984 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:173 Resp: 4028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.6 | 23.5 | 70.6 |
| 254 | 0.1 | 0.0 | 0.0 |

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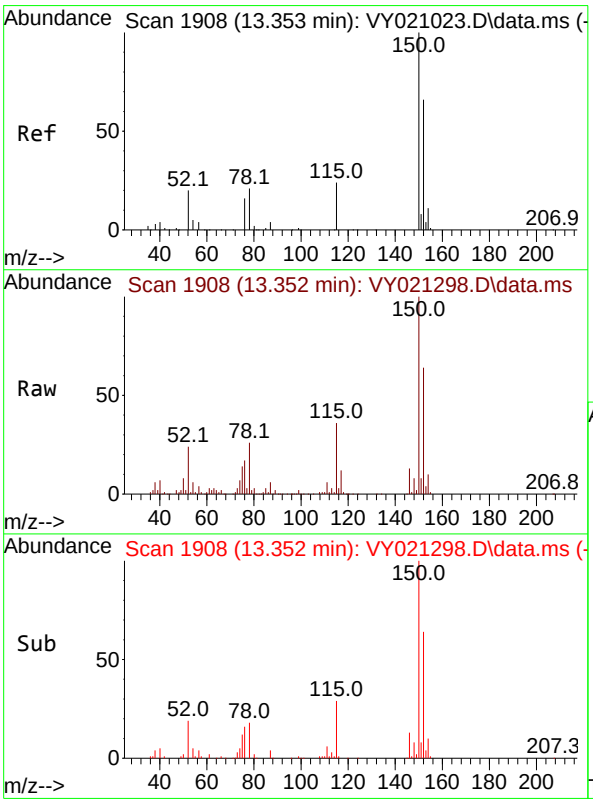
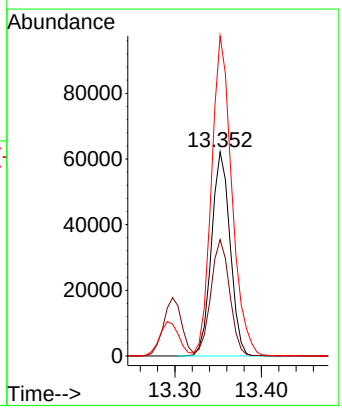
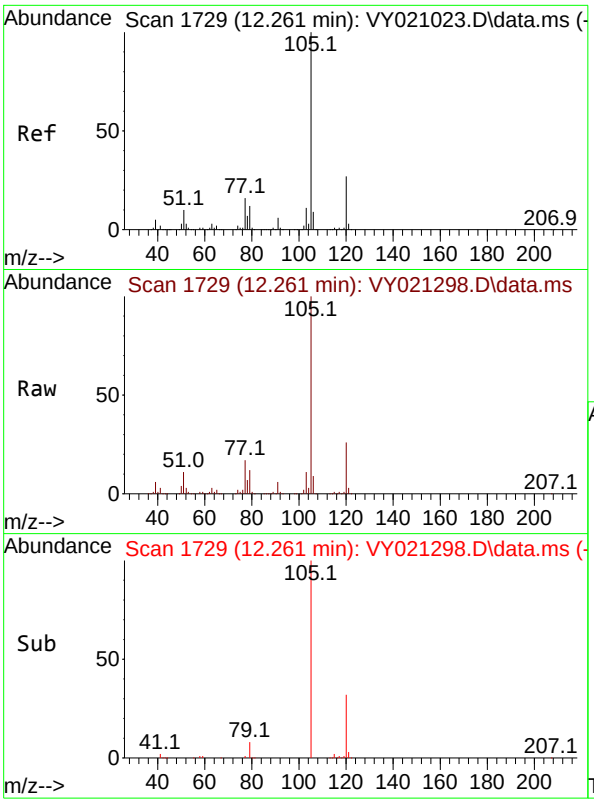



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:152 Resp: 92699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.8 | 30.0 | 90.0 |
| 150 | 171.5 | 0.0 | 344.6 |

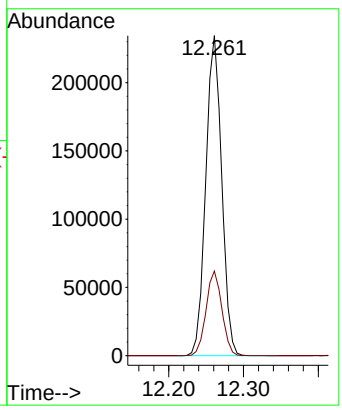





#73
Isopropylbenzene
Concen: 47.897 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:105 Resp: 34682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.0 | 39.0 |

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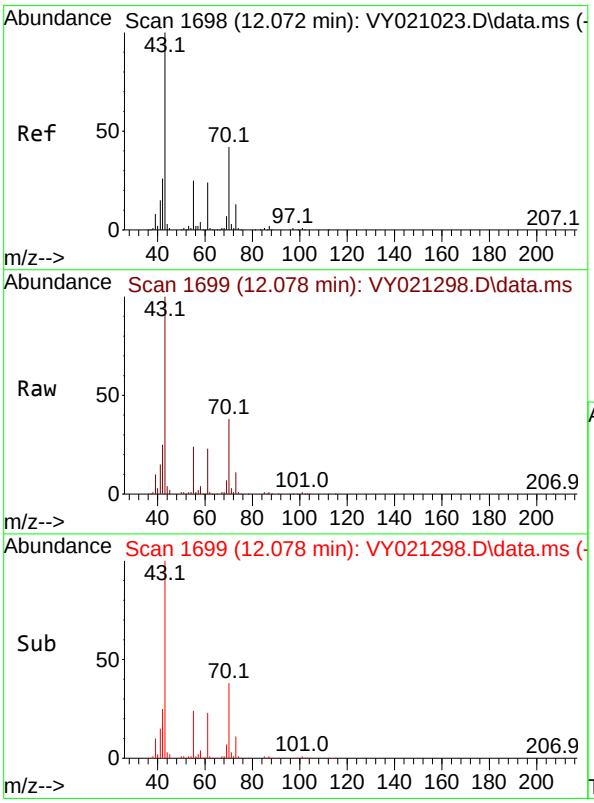
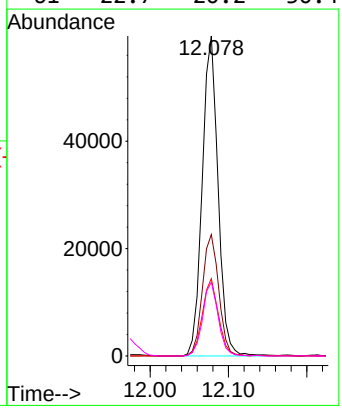
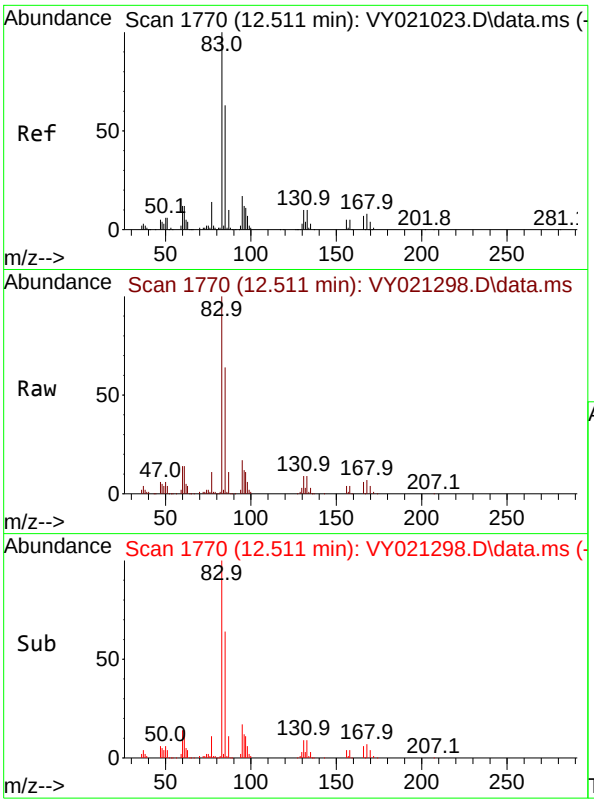



#74
N-amyl acetate
Concen: 52.822 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 83623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.2 | 36.6 | 55.0 |
| 55 | 24.5 | 22.2 | 33.4 |
| 61 | 22.7 | 20.2 | 30.4 |

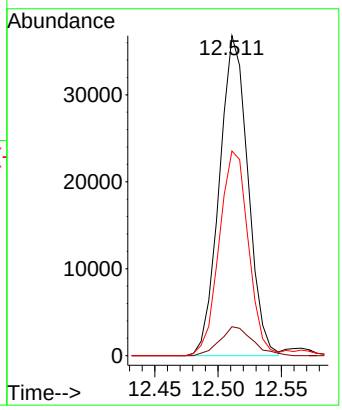





#75
1,1,2,2-Tetrachloroethane
Concen: 48.050 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 83 Resp: 5786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 4.9 | 14.6 |
| 85 | 65.1 | 32.6 | 98.0 |

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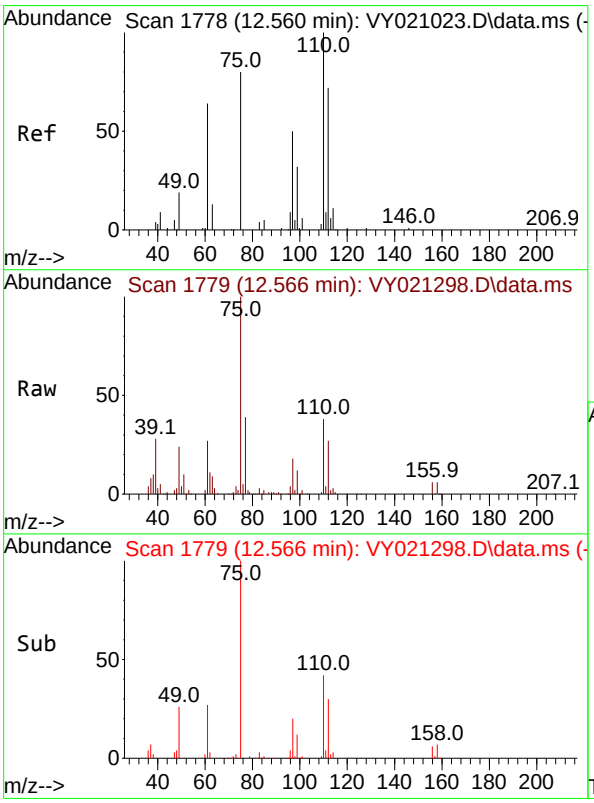
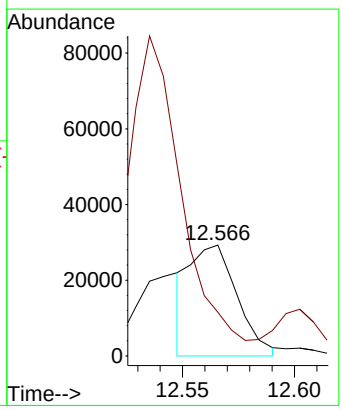
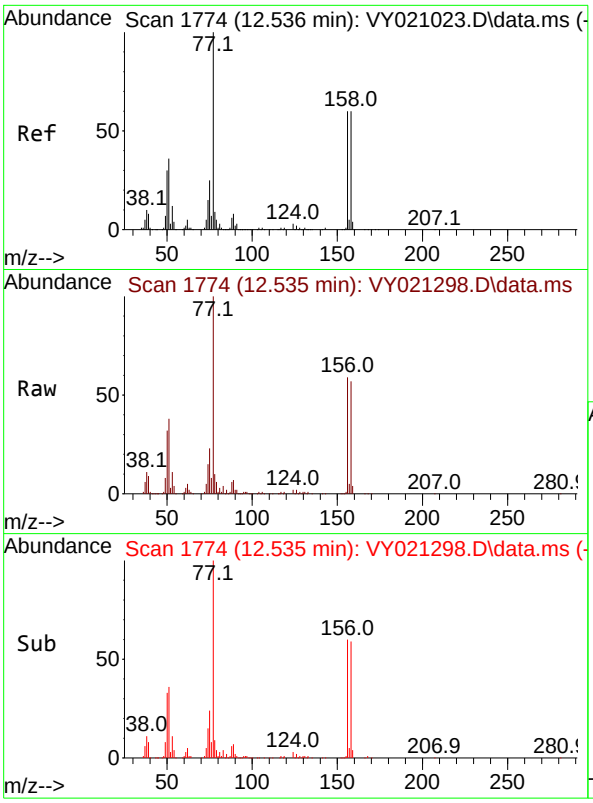



#76
1,2,3-Trichloropropane
Concen: 51.395 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 75 Resp: 43218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

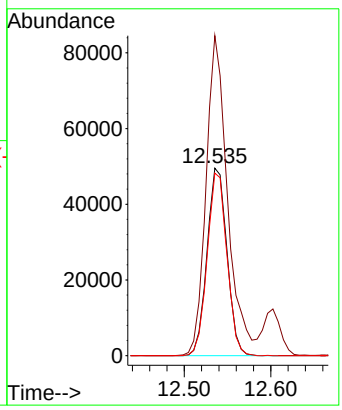





#77
Bromobenzene
Concen: 47.390 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:156 Resp: 7918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 183.0 | 97.3 | 291.8 |
| 158 | 96.4 | 48.4 | 145.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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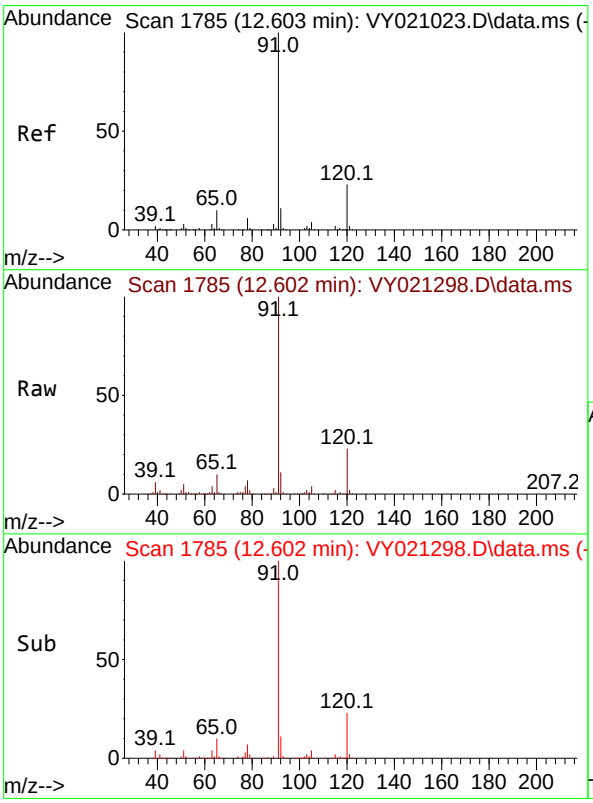
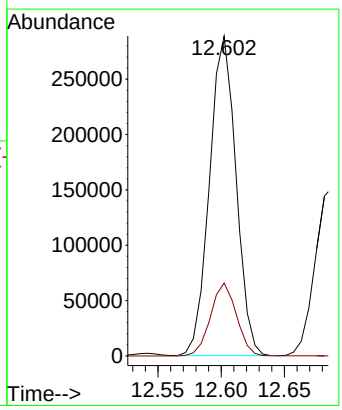
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

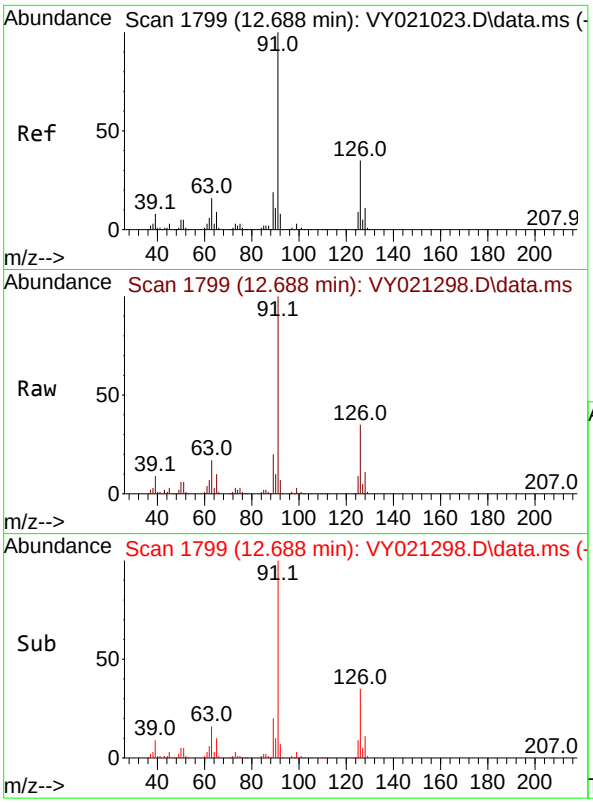



#78
n-propylbenzene
Concen: 48.809 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 91 Resp: 421016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.0 | 33.0 |

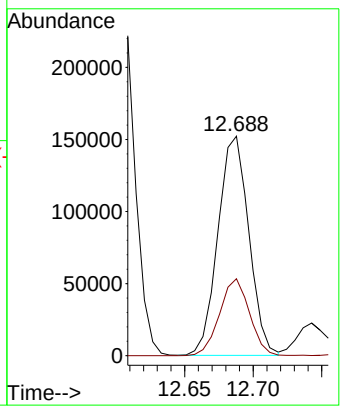





#79
2-Chlorotoluene
Concen: 48.301 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 91 Resp: 23862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 17.0 | 51.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

**Manual Integrations**
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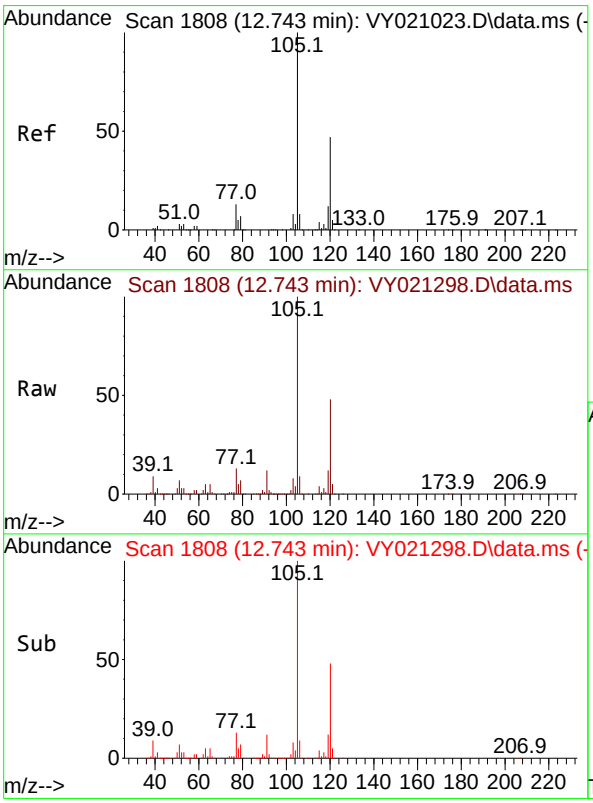
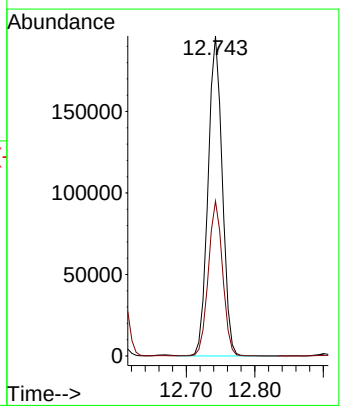
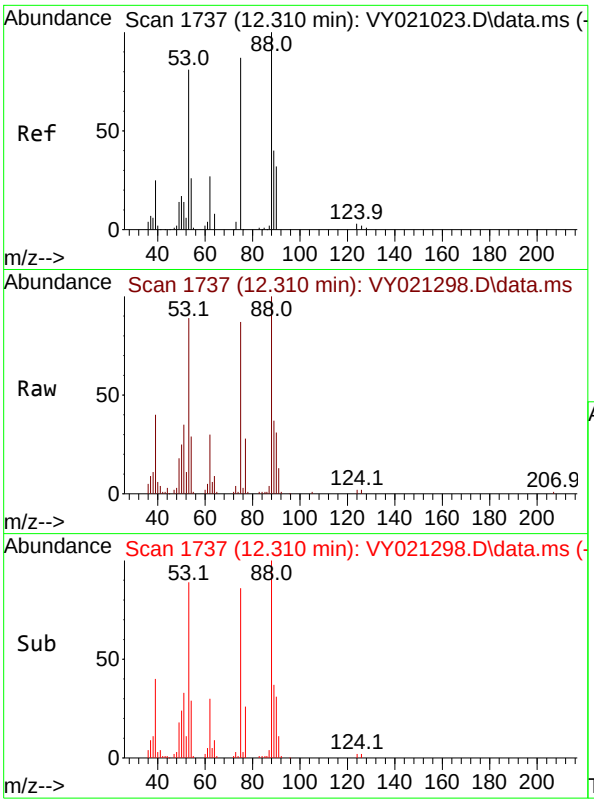



#80
1,3,5-Trimethylbenzene
Concen: 48.192 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:105 Resp: 282926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 24.3 | 72.8 |

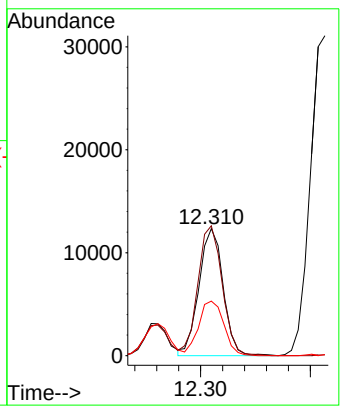





#81
trans-1,4-Dichloro-2-butene
Concen: 45.910 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 75 Resp: 1892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.3 | 74.0 | 111.0 |
| 89 | 44.6 | 36.5 | 54.7 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

**Manual Integrations**
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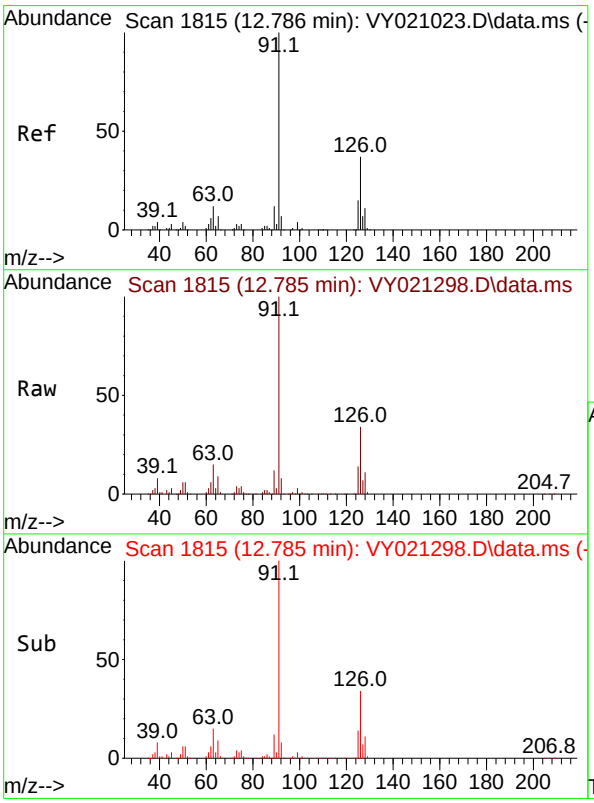
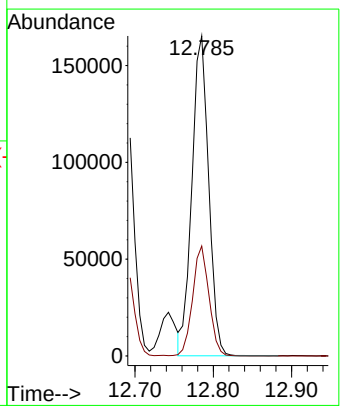
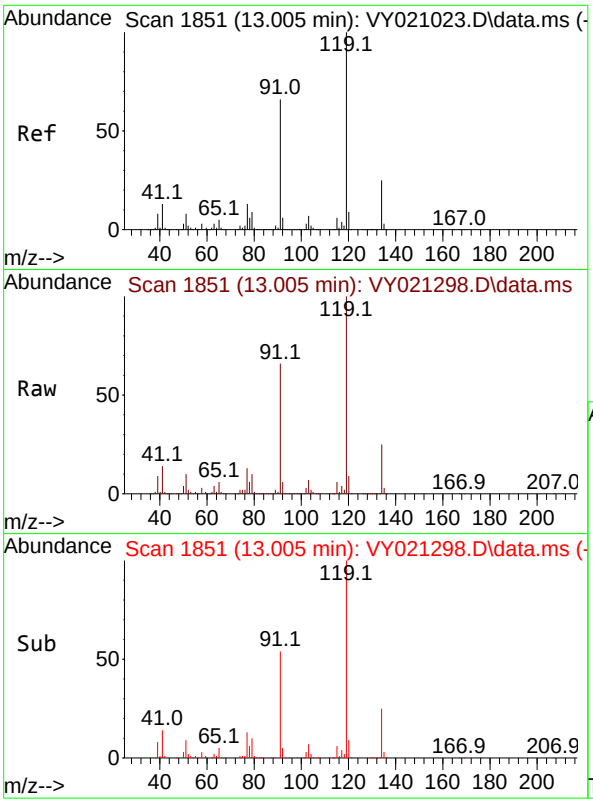



#82
4-Chlorotoluene
Concen: 48.800 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 91 Resp: 245636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 17.1 | 51.2 |

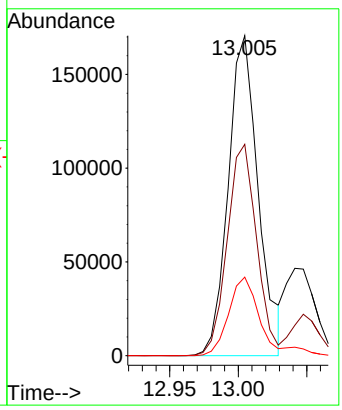





#83
tert-Butylbenzene
Concen: 48.787 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:119 Resp: 26034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.7 | 31.5 | 94.5 |
| 134 | 26.2 | 13.1 | 39.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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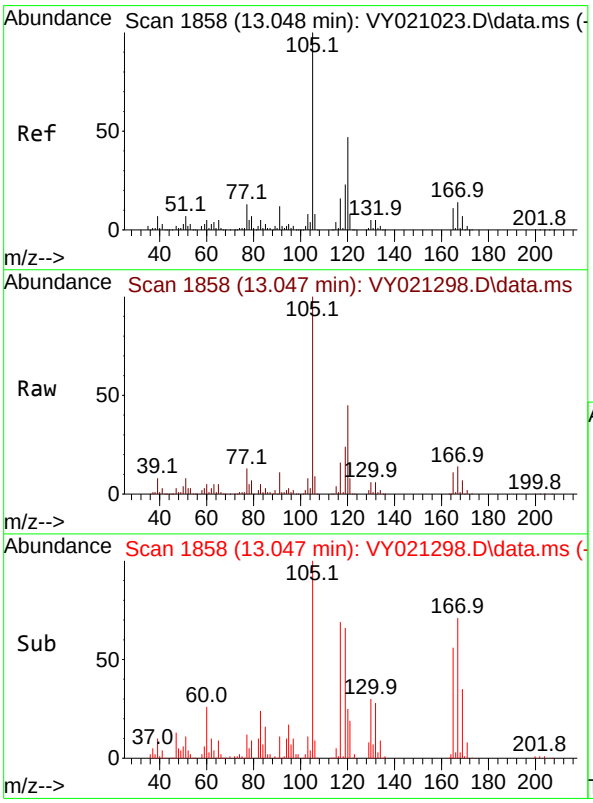
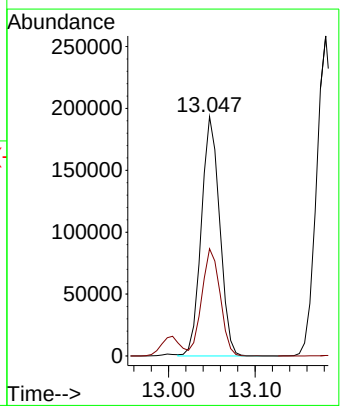
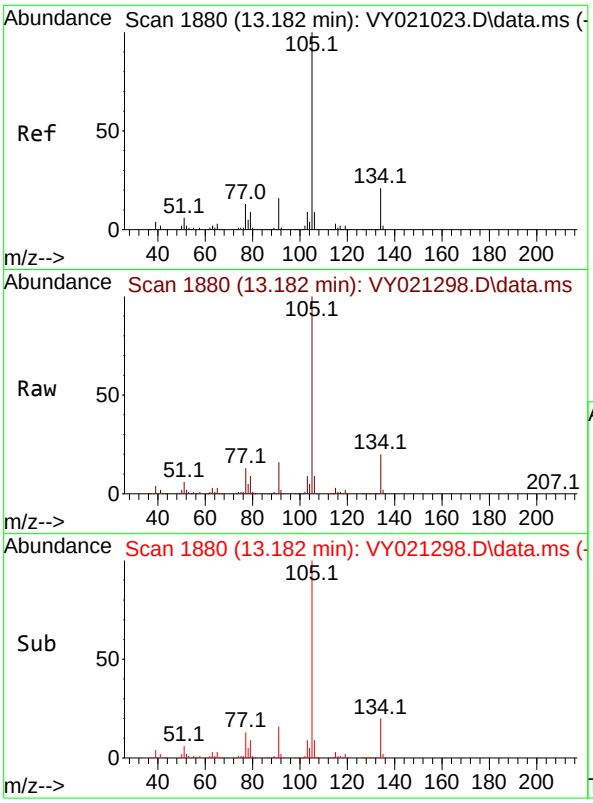



#84
1,2,4-Trimethylbenzene
Concen: 49.493 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:105 Resp: 284109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 22.1 | 66.3 |

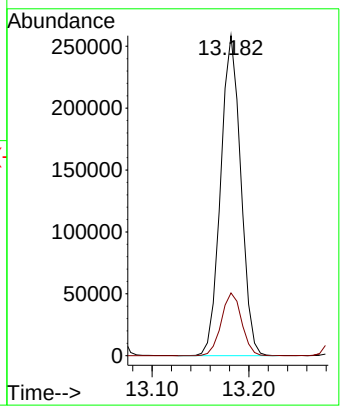





#85
sec-Butylbenzene
Concen: 48.640 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:105 Resp: 37362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.7 | 28.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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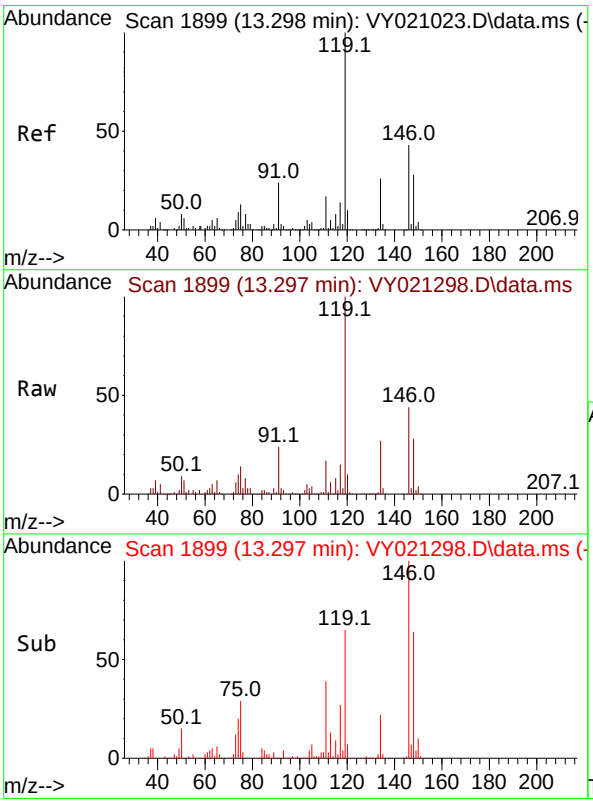
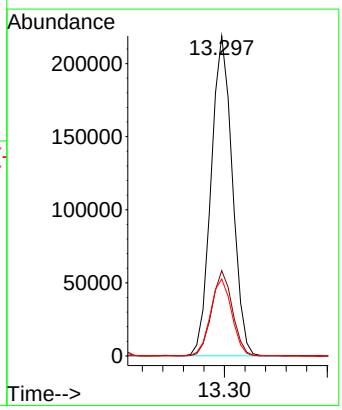
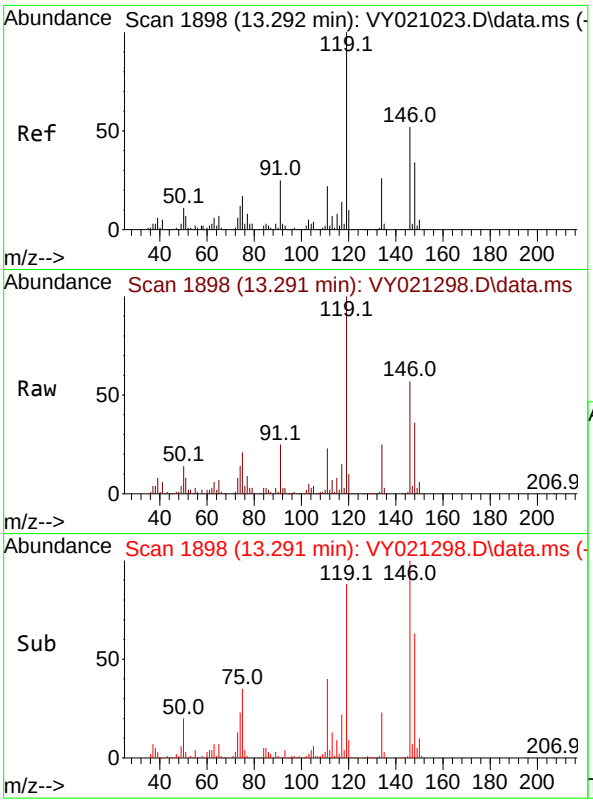



#86
p-Isopropyltoluene
Concen: 49.066 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:119 Resp: 313085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 13.1 | 39.1 |
| 91 | 24.1 | 11.7 | 35.0 |

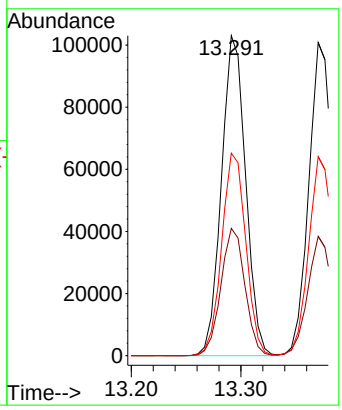





#87
1,3-Dichlorobenzene
Concen: 48.998 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:146 Resp: 15809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.6 | 20.2 | 60.5 |
| 148 | 63.2 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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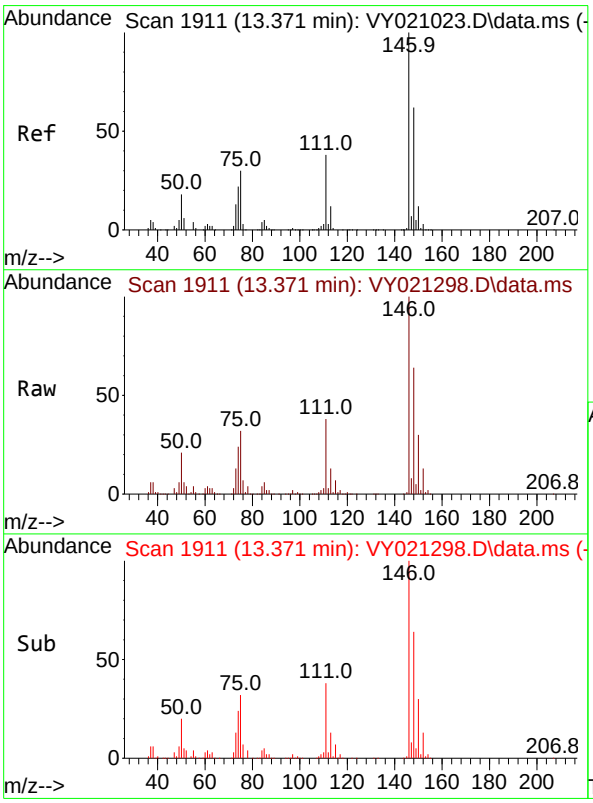
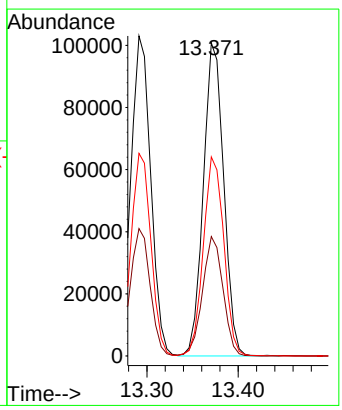
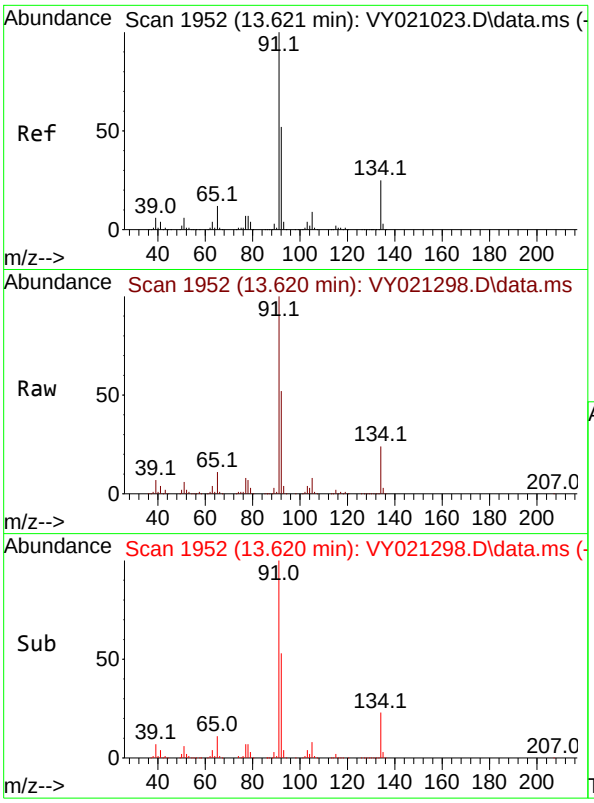



#88
1,4-Dichlorobenzene
Concen: 49.004 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:146 Resp: 155677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.5 | 19.3 | 57.9 |
| 148 | 64.0 | 31.6 | 94.7 |

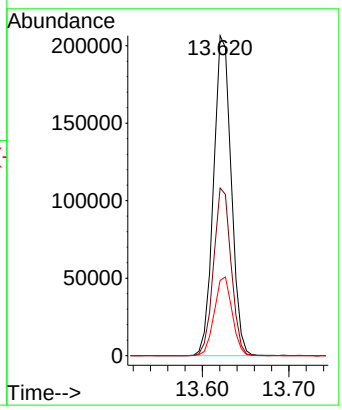





#89
n-Butylbenzene
Concen: 50.284 ug/l
RT: 13.620 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 91 Resp: 29270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.0 | 26.4 | 79.2 |
| 134 | 24.8 | 12.3 | 36.8 |

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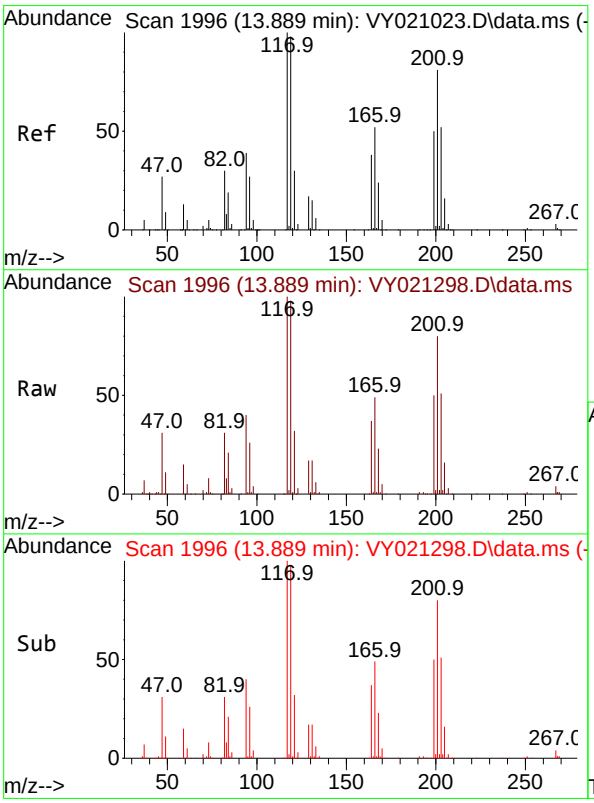
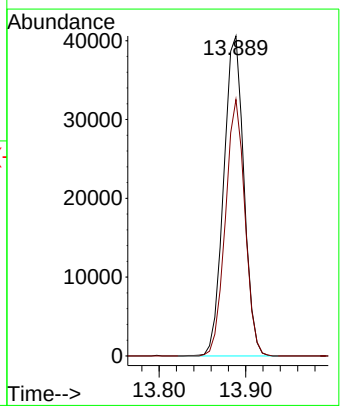
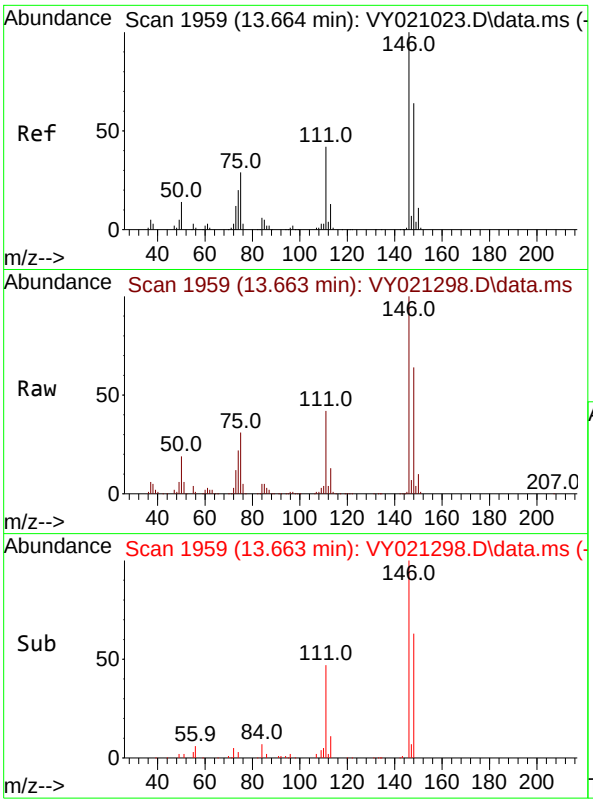



#90
Hexachloroethane
Concen: 49.420 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:117 Resp: 65786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 77.4 | 33.4 | 100.1 |

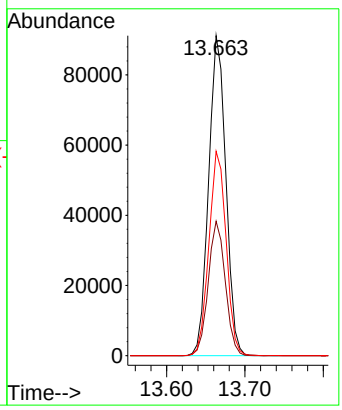





#91
1,2-Dichlorobenzene
Concen: 49.608 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:146 Resp: 13892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.5 | 61.6 |
| 148 | 64.1 | 31.4 | 94.3 |

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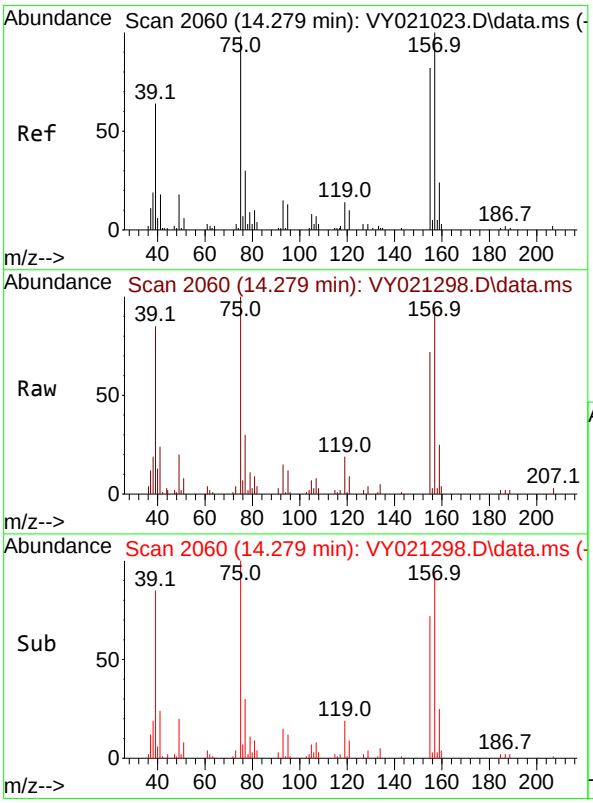
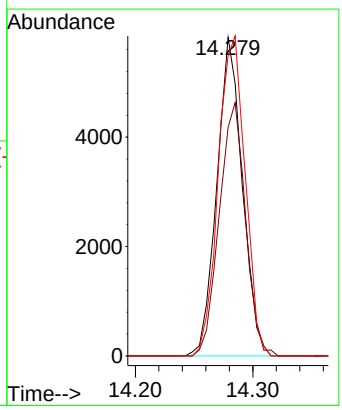
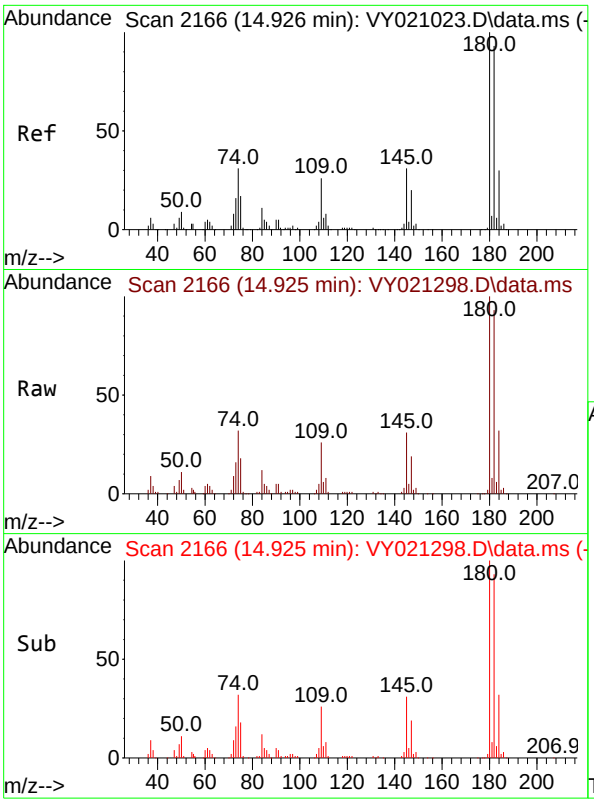



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.777 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 75 Resp: 8778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.7 | 42.1 | 126.3 |
| 157 | 105.8 | 55.8 | 167.4 |

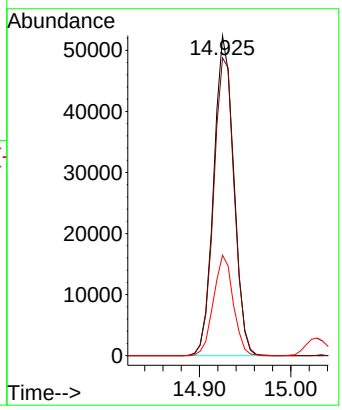





#93
1,2,4-Trichlorobenzene
Concen: 51.098 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:180 Resp: 7965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 47.9 | 143.7 |
| 145 | 31.0 | 15.9 | 47.7 |

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MSVOA_Y
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VSTDCCC050EC

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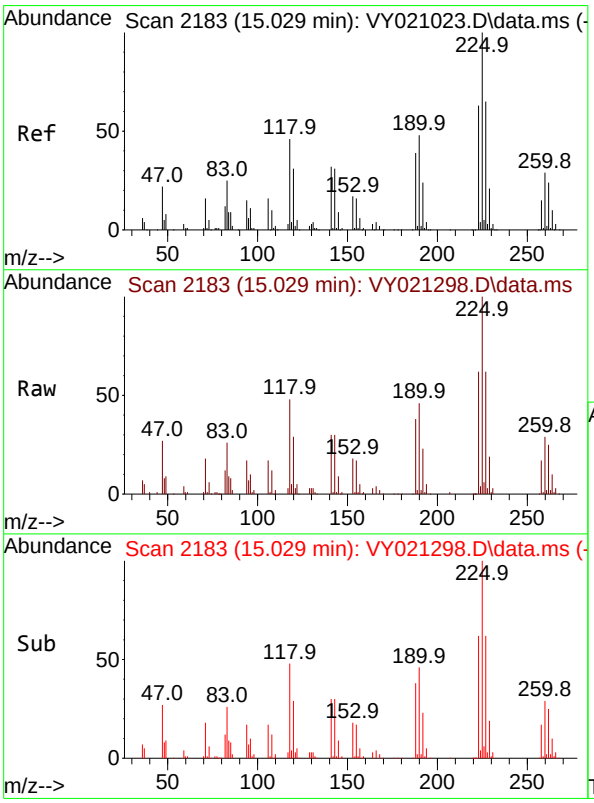
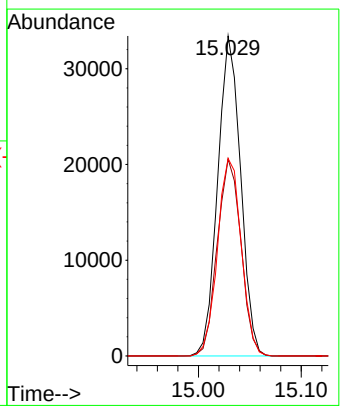
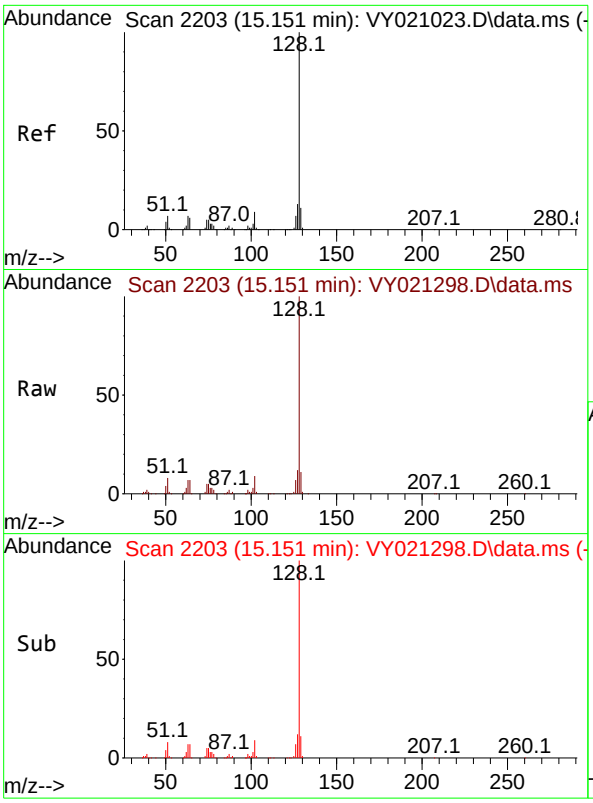



#94
Hexachlorobutadiene
Concen: 50.024 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:225 Resp: 51673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 31.4 | 94.3 |
| 227 | 64.1 | 32.3 | 96.8 |

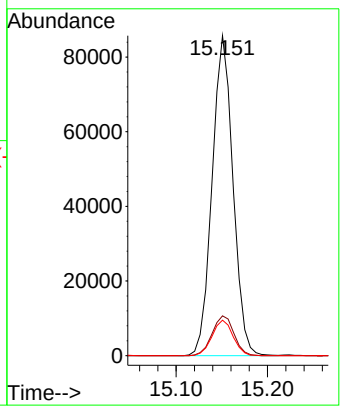





#95
Naphthalene
Concen: 54.500 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:128 Resp: 13591

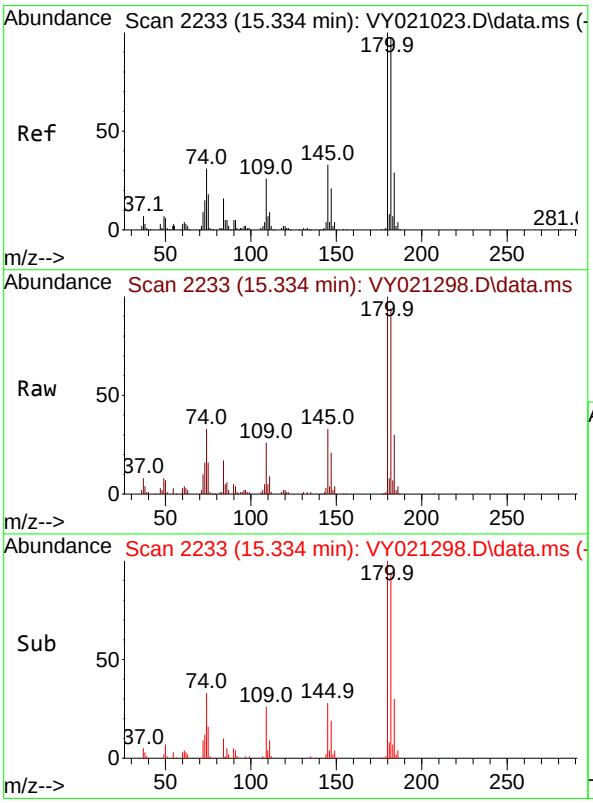
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.4 |
| 129 | 11.2 | 8.6 | 12.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

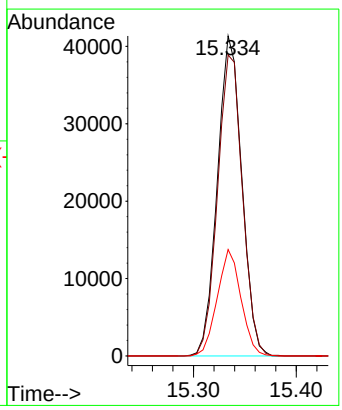
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025




#96
1,2,3-Trichlorobenzene
Concen: 52.553 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:180 Resp: 68173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 46.3 | 138.8 |
| 145 | 32.4 | 16.1 | 48.2 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 69 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.446 | 0.383 | 14.1 | 59 | 0.00 |
| 3 | P | Chloromethane | 0.440 | 0.524 | -19.1 | 86 | 0.00 |
| 4 | C | Vinyl Chloride | 0.443 | 0.546 | -23.3# | 89 | 0.00 |
| 5 | T | Bromomethane | 0.274 | 0.344 | -25.5# | 92 | 0.00 |
| 6 | T | Chloroethane | 0.263 | 0.359 | -36.5# | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.806 | 0.827 | -2.6 | 72 | 0.00 |
| 8 | T | Diethyl Ether | 0.252 | 0.255 | -1.2 | 73 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.506 | 0.495 | 2.2 | 69 | 0.00 |
| 10 | T | Methyl Iodide | 0.562 | 0.556 | 1.1 | 65 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.035 | 0.032 | 8.6 | 68 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.477 | 0.457 | 4.2# | 67 | 0.00 |
| 13 | T | Acrolein | 0.053 | 0.023 | 56.6# | 31# | 0.00 |
| 14 | T | Allyl chloride | 0.803 | 0.842 | -4.9 | 73 | 0.00 |
| 15 | T | Acrylonitrile | 0.105 | 0.114 | -8.6 | 74 | 0.00 |
| 16 | T | Acetone | 0.080 | 0.085 | -6.3 | 76 | 0.00 |
| 17 | T | Carbon Disulfide | 1.495 | 1.277 | 14.6 | 60 | 0.00 |
| 18 | T | Methyl Acetate | 0.280 | 0.329 | -17.5 | 79 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.205 | 1.292 | -7.2 | 73 | 0.00 |
| 20 | T | Methylene Chloride | 0.497 | 0.518 | -4.2 | 74 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.525 | 0.511 | 2.7 | 68 | 0.00 |
| 22 | T | Diisopropyl ether | 1.656 | 1.925 | -16.2 | 80 | 0.00 |
| 23 | T | Vinyl Acetate | 0.923 | 1.040 | -12.7 | 76 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.970 | 1.067 | -10.0 | 78 | 0.00 |
| 25 | T | 2-Butanone | 0.131 | 0.148 | -13.0 | 76 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.898 | 0.867 | 3.5 | 69 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.604 | 0.636 | -5.3 | 73 | 0.00 |
| 28 | T | Bromochloromethane | 0.384 | 0.431 | -12.2 | 72 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.089 | 0.098 | -10.1 | 74 | 0.01 |
| 30 | C | Chloroform | 0.997 | 1.097 | -10.0# | 77 | 0.00 |
| 31 | T | Cyclohexane | 0.874 | 0.815 | 6.8 | 68 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.927 | 0.968 | -4.4 | 73 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.512 | 0.555 | -8.4 | 76 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.320 | 0.340 | -6.3 | 76 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.475 | 0.471 | 0.8 | 71 | 0.00 |
| 37 | T | Ethyl Acetate | 0.208 | 0.224 | -7.7 | 75 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.555 | 0.551 | 0.7 | 71 | 0.00 |
| 39 | T | Methylcyclohexane | 0.581 | 0.550 | 5.3 | 66 | 0.00 |
| 40 | TM | Benzene | 1.393 | 1.455 | -4.5 | 74 | 0.00 |
| 41 | T | Methacrylonitrile | 0.120 | 0.132 | -10.0 | 83 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.386 | 0.421 | -9.1 | 78 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.414 | 0.462 | -11.6 | 77 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.360 | 0.0 | 72 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.331 | 0.362 | -9.4# | 78 | 0.00 |
| 46 | T | Dibromomethane | 0.183 | 0.192 | -4.9 | 74 | 0.00 |
| 47 | T | Bromodichloromethane | 0.491 | 0.537 | -9.4 | 78 | 0.00 |
| 48 | T | Methyl methacrylate | 0.188 | 0.214 | -13.8 | 78 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 0.002 | 0.002 | 0.0 | 75 | 0.01 |
| 50 | S | Toluene-d8 | 1.220 | 1.267 | -3.9 | 74 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.208 | 0.240 | -15.4 | 78 | 0.00 |
| 52 | CM | Toluene | 0.875 | 0.933 | -6.6# | 75 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.441 | 0.474 | -7.5 | 74 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.522 | 0.559 | -7.1 | 75 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.237 | 0.254 | -7.2 | 75 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.317 | 0.345 | -8.8 | 71 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.410 | 0.446 | -8.8 | 76 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.151 | 0.155 | -2.6 | 69 | 0.00 |
| 59 | T | 2-Hexanone | 0.134 | 0.159 | -18.7 | 78 | 0.00 |
| 60 | T | Dibromochloromethane | 0.333 | 0.352 | -5.7 | 75 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.222 | 0.230 | -3.6 | 72 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.399 | 0.432 | -8.3 | 75 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 72 | 0.00 |
| 64 | T | Tetrachloroethene | 0.371 | 0.354 | 4.6 | 70 | 0.00 |
| 65 | PM | Chlorobenzene | 1.113 | 1.117 | -0.4 | 74 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.396 | 0.409 | -3.3 | 77 | 0.00 |
| 67 | C | Ethyl Benzene | 1.969 | 2.017 | -2.4# | 74 | 0.00 |
| 68 | T | m/p-Xylenes | 0.737 | 0.758 | -2.8 | 74 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.715 | -4.1 | 75 | 0.00 |
| 70 | T | Styrene | 1.145 | 1.227 | -7.2 | 76 | 0.00 |
| 71 | P | Bromoform | 0.220 | 0.225 | -2.3 | 74 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 73 | T | Isopropylbenzene | 3.906 | 3.741 | 4.2 | 75 | 0.00 |
| 74 | T | N-amyl acetate | 0.854 | 0.902 | -5.6 | 78 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.650 | 0.624 | 4.0 | 76 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.454 | 0.466 | -2.6 | 77 | 0.00 |
| 77 | T | Bromobenzene | 0.901 | 0.854 | 5.2 | 76 | 0.00 |
| 78 | T | n-propylbenzene | 4.653 | 4.542 | 2.4 | 76 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.665 | 2.574 | 3.4 | 76 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.167 | 3.052 | 3.6 | 75 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.222 | 0.204 | 8.1 | 70 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.715 | 2.650 | 2.4 | 78 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.878 | 2.808 | 2.4 | 75 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.096 | 3.065 | 1.0 | 77 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.143 | 4.031 | 2.7 | 76 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.442 | 3.377 | 1.9 | 76 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.740 | 1.705 | 2.0 | 78 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.714 | 1.679 | 2.0 | 77 | 0.00 |
| 89 | T | n-Butylbenzene | 3.140 | 3.158 | -0.6 | 77 | 0.00 |
| 90 | T | Hexachloroethane | 0.718 | 0.710 | 1.1 | 78 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.510 | 1.499 | 0.7 | 79 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.097 | 0.095 | 2.1 | 75 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.841 | 0.859 | -2.1 | 75 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.557 | 0.557 | 0.0 | 77 | 0.00 |
| 95 | T | Naphthalene | 1.345 | 1.466 | -9.0 | 75 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 0.700 | 0.735 | -5.0 | 77 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 69 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 42.960 | 14.1 | 59 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 59.635 | -19.3 | 86 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 61.693 | -23.4# | 89 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 62.917 | -25.8# | 92 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 68.120 | -36.2# | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.288 | -2.6 | 72 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.663 | -1.3 | 73 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.931 | 2.1 | 69 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.422 | 1.2 | 65 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 226.865 | 9.3 | 68 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.924 | 4.2# | 67 | 0.00 |
| 13 | T | Acrolein | 250.000 | 109.599 | 56.2# | 31 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.425 | -4.8 | 73 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 270.971 | -8.4 | 74 | 0.00 |
| 16 | T | Acetone | 250.000 | 266.311 | -6.5 | 76 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 42.725 | 14.5 | 60 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 58.681 | -17.4 | 79 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.609 | -7.2 | 73 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.142 | -4.3 | 74 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.693 | 2.6 | 68 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 58.129 | -16.3 | 80 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 281.710 | -12.7 | 76 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 54.988 | -10.0 | 78 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 281.796 | -12.7 | 76 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.309 | 3.4 | 69 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.612 | -5.2 | 73 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 56.218 | -12.4 | 72 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 275.466 | -10.2 | 74 | 0.01 |
| 30 | C | Chloroform | 50.000 | 55.027 | -10.1# | 77 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.649 | 6.7 | 68 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.224 | -4.4 | 73 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.125 | -8.3 | 76 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 70 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.011 | -6.0 | 76 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.653 | 0.7 | 71 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.780 | -7.6 | 75 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.712 | 0.6 | 71 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.400 | 5.2 | 66 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.236 | -4.5 | 74 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.835 | -9.7 | 83 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.531 | -9.1 | 78 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.868 | -11.7 | 77 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.025 | -0.0 | 72 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 54.816 | -9.6# | 78 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.478 | -5.0 | 74 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.647 | -9.3 | 78 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 56.886 | -13.8 | 78 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 1109.293 | -10.9 | 75 | 0.01 |
| 50 | S | Toluene-d8 | 50.000 | 51.928 | -3.9 | 74 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 288.857 | -15.5 | 78 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.357 | -6.7# | 75 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.768 | -7.5 | 74 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.589 | -7.2 | 75 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.484 | -7.0 | 75 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.350 | -8.7 | 71 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.331 | -8.7 | 76 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 256.535 | -2.6 | 69 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 296.700 | -18.7 | 78 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.855 | -5.7 | 75 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.889 | -3.8 | 72 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 54.149 | -8.3 | 75 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 72 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.707 | 4.6 | 70 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.154 | -0.3 | 74 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.667 | -3.3 | 77 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.210 | -2.4# | 74 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.873 | -2.9 | 74 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.018 | -4.0 | 75 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.599 | -7.2 | 76 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.984 | -2.0 | 74 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 77 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 47.897 | 4.2 | 75 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 52.822 | -5.6 | 78 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.050 | 3.9 | 76 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.395 | -2.8 | 77 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 47.390 | 5.2 | 76 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 48.809 | 2.4 | 76 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.301 | 3.4 | 76 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.192 | 3.6 | 75 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 45.910 | 8.2 | 70 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.800 | 2.4 | 78 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.787 | 2.4 | 75 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.493 | 1.0 | 77 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.640 | 2.7 | 76 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.066 | 1.9 | 76 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.998 | 2.0 | 78 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.004 | 2.0 | 77 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.284 | -0.6 | 77 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.420 | 1.2 | 78 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.608 | 0.8 | 79 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.777 | 2.4 | 75 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.098 | -2.2 | 75 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.024 | -0.0 | 77 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 54.500 | -9.0 | 75 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 52.553 | -5.1 | 77 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 10:11

Lab File ID: VY021320.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.474 | 0.442 | | -6.75 | 20 |
| Chloromethane | 0.612 | 0.581 | 0.1 | -5.07 | 20 |
| Vinyl Chloride | 0.601 | 0.586 | | -2.5 | 20 |
| Bromomethane | 0.399 | 0.370 | | -7.27 | 20 |
| Chloroethane | 0.373 | 0.363 | | -2.68 | 20 |
| Tetrahydrofuran | 0.107 | 0.102 | | -4.67 | 20 |
| Trichlorofluoromethane | 0.908 | 0.866 | | -4.63 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.525 | 0.496 | | -5.52 | 20 |
| 1,1-Dichloroethene | 0.503 | 0.487 | | -3.18 | 20 |
| Acrylonitrile | 0.120 | 0.117 | | -2.5 | 20 |
| Acetone | 0.109 | 0.113 | | 3.67 | 20 |
| Carbon Disulfide | 1.671 | 1.628 | | -2.57 | 20 |
| Methyl tert-butyl Ether | 1.329 | 1.308 | | -1.58 | 20 |
| Methylene Chloride | 0.588 | 0.533 | | -9.35 | 20 |
| trans-1,2-Dichloroethene | 0.554 | 0.540 | | -2.53 | 20 |
| 1,1-Dichloroethane | 1.040 | 1.021 | 0.1 | -1.83 | 20 |
| 2-Butanone | 0.164 | 0.162 | | -1.22 | 20 |
| Carbon Tetrachloride | 0.554 | 0.536 | | -3.25 | 20 |
| 2,2-Dichloropropane | 0.944 | 0.929 | | -1.59 | 20 |
| cis-1,2-Dichloroethene | 0.632 | 0.633 | | 0.16 | 20 |
| Chloroform | 1.054 | 1.038 | | -1.52 | 20 |
| 1,1,1-Trichloroethane | 0.960 | 0.936 | | -2.5 | 20 |
| 1,1-Dichloropropene | 0.492 | 0.475 | | -3.45 | 20 |
| Benzene | 1.456 | 1.415 | | -2.82 | 20 |
| 1,2-Dichloroethane | 0.413 | 0.396 | | -4.12 | 20 |
| Trichloroethene | 0.364 | 0.355 | | -2.47 | 20 |
| 1,2-Dichloropropane | 0.350 | 0.341 | | -2.57 | 20 |
| Dibromomethane | 0.191 | 0.185 | | -3.14 | 20 |
| Bromodichloromethane | 0.511 | 0.494 | | -3.33 | 20 |
| 4-Methyl-2-Pentanone | 0.243 | 0.234 | | -3.7 | 20 |
| Toluene | 0.904 | 0.892 | | -1.33 | 20 |
| t-1,3-Dichloropropene | 0.468 | 0.468 | | 0 | 20 |
| cis-1,3-Dichloropropene | 0.552 | 0.543 | | -1.63 | 20 |
| 1,1,2-Trichloroethane | 0.249 | 0.236 | | -5.22 | 20 |
| 1,3-Dichloropropane | 0.438 | 0.431 | | -1.6 | 20 |
| 2-Hexanone | 0.159 | 0.159 | | 0 | 20 |
| Dibromochloromethane | 0.340 | 0.332 | | -2.35 | 20 |
| 1,2-Dibromoethane | 0.236 | 0.224 | | -5.09 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 10:11

Lab File ID: VY021320.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Tetrachloroethene | 0.378 | 0.359 | | -5.03 | 20 |
| Chlorobenzene | 1.122 | 1.091 | 0.3 | -2.76 | 20 |
| 1,1,1,2-Tetrachloroethane | 0.393 | 0.387 | | -1.53 | 20 |
| Ethyl Benzene | 1.988 | 1.972 | | -0.81 | 20 |
| m/p-Xylenes | 0.748 | 0.735 | | -1.74 | 20 |
| o-Xylene | 0.701 | 0.696 | | -0.71 | 20 |
| Styrene | 1.166 | 1.176 | | 0.86 | 20 |
| Bromoform | 0.225 | 0.217 | 0.1 | -3.56 | 20 |
| Isopropylbenzene | 3.759 | 3.742 | | -0.45 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.663 | 0.639 | 0.3 | -3.62 | 20 |
| 1,2,3-Trichloropropane | 0.500 | 0.401 | | -19.8 | 20 |
| Bromobenzene | 0.874 | 0.866 | | -0.92 | 20 |
| n-propylbenzene | 4.561 | 4.517 | | -0.96 | 20 |
| 2-Chlorotoluene | 2.618 | 2.575 | | -1.64 | 20 |
| 1,3,5-Trimethylbenzene | 3.083 | 3.059 | | -0.78 | 20 |
| 4-Chlorotoluene | 2.714 | 2.682 | | -1.18 | 20 |
| tert-Butylbenzene | 2.785 | 2.716 | | -2.48 | 20 |
| 1,2,4-Trimethylbenzene | 3.066 | 3.057 | | -0.29 | 20 |
| sec-Butylbenzene | 4.068 | 3.911 | | -3.86 | 20 |
| p-Isopropyltoluene | 3.397 | 3.301 | | -2.83 | 20 |
| 1,3-Dichlorobenzene | 1.730 | 1.676 | | -3.12 | 20 |
| 1,4-Dichlorobenzene | 1.709 | 1.633 | | -4.45 | 20 |
| n-Butylbenzene | 3.196 | 3.100 | | -3 | 20 |
| 1,2-Dichlorobenzene | 1.515 | 1.469 | | -3.04 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.105 | 0.099 | | -5.71 | 20 |
| 1,2,4-Trichlorobenzene | 0.925 | 0.884 | | -4.43 | 20 |
| Hexachlorobutadiene | 0.582 | 0.531 | | -8.76 | 20 |
| 1,2,3-Trichlorobenzene | 0.781 | 0.747 | | -4.35 | 20 |
| 1,2-Dichloroethane-d4 | 0.567 | 0.544 | | -4.06 | 20 |
| Dibromofluoromethane | 0.328 | 0.320 | | -2.44 | 20 |
| Toluene-d8 | 1.267 | 1.257 | | -0.79 | 20 |
| 4-Bromofluorobenzene | 0.426 | 0.420 | | -1.41 | 20 |
| trans-1,4-Dichloro-2-butene | 0.225 | 0.224 | | -0.44 | 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_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 193888 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 308714 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 268805 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152 | 131935 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 105547 | 47.987 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 95.980% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 98654 | 48.743 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 97.480% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 387966 | 49.599 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 99.200% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 129754 | 49.290 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 98.580% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 85738 | 46.640 | ug/l | 96 |
| 3) Chloromethane | 2.068 | 50 | 112705 | 47.473 | ug/l | 98 |
| 4) Vinyl Chloride | 2.202 | 62 | 113710 | 48.798 | ug/l | 98 |
| 5) Bromomethane | 2.598 | 94 | 71789 | 46.361 | ug/l | 99 |
| 6) Chloroethane | 2.739 | 64 | 70476 | 48.772 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.062 | 101 | 167868 | 47.701 | ug/l | 96 |
| 8) Diethyl Ether | 3.452 | 74 | 52323 | 49.537 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 96104 | 47.169 | ug/l | 99 |
| 10) Methyl Iodide | 4.007 | 142 | 111918 | 52.212 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.854 | 59 | 34212 | 202.221 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 94447 | 48.413 | ug/l | 99 |
| 13) Acrolein | 3.653 | 56 | 5526 | 42.624 | ug/l | 99 |
| 14) Allyl chloride | 4.385 | 41 | 173778 | 50.242 | ug/l | 98 |
| 15) Acrylonitrile | 5.061 | 53 | 112963 | 241.892 | ug/l | 99 |
| 16) Acetone | 3.867 | 43 | 109810 | 260.267 | ug/l | 100 |
| 17) Carbon Disulfide | 4.110 | 76 | 315561 | 48.712 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 49846 | 48.342 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 253623 | 49.206 | ug/l | 99 |
| 20) Methylene Chloride | 4.616 | 84 | 103268 | 45.263 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.116 | 96 | 104607 | 48.708 | ug/l | 99 |
| 22) Diisopropyl ether | 6.019 | 45 | 361038 | 50.442 | ug/l | 98 |
| 23) Vinyl Acetate | 5.958 | 43 | 1065848 | 249.197 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 197949 | 49.069 | ug/l | 98 |
| 25) 2-Butanone | 6.890 | 43 | 157281 | 246.999 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 180065 | 49.191 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 122751 | 50.053 | ug/l | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 84337 | 47.247 | ug/l | 98 |
| 29) Tetrahydrofuran | 7.262 | 42 | 99242 | 238.435 | ug/l | 100 |
| 30) Chloroform | 7.421 | 83 | 201334 | 49.253 | ug/l | 99 |
| 31) Cyclohexane | 7.701 | 56 | 178746 | 46.094 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 181553 | 48.795 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 146702 | 48.254 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 72710 | 48.080 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 165430 | 48.402 | ug/l | 98 |
| 39) Methylcyclohexane | 9.109 | 83 | 178508 | 46.422 | ug/l | 97 |
| 40) Benzene | 8.079 | 78 | 436709 | 48.593 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.220 | 41 | 36160 | 42.766 | ug/l | | 91 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 122335 | 47.978 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 140455 | 47.984 | ug/l | | 99 |
| 44) Trichloroethene | 8.866 | 130 | 109499 | 48.665 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 105190 | 48.637 | ug/l | | 100 |
| 46) Dibromomethane | 9.231 | 93 | 56977 | 48.195 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.427 | 83 | 152416 | 48.352 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.219 | 41 | 66362 | 48.481 | ug/l | | 98 |
| 49) 1,4-Dioxane | 9.231 | 88 | 12417 | 944.605 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 10.000 | 43 | 360891 | 240.853 | ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 275527 | 49.351 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 144366 | 49.988 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 167718 | 49.192 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.573 | 97 | 72899 | 47.334 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.439 | 69 | 108485 | 50.979 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 132919 | 49.183 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 239640 | 234.614 | ug/l | | 100 |
| 59) 2-Hexanone | 10.762 | 43 | 245501 | 249.476 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.908 | 129 | 102499 | 48.867 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 69304 | 47.532 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 96416 | 47.455 | ug/l | | 98 |
| 65) Chlorobenzene | 11.444 | 112 | 293397 | 48.625 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131 | 104152 | 49.295 | ug/l | | 100 |
| 67) Ethyl Benzene | 11.518 | 91 | 530215 | 49.609 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.627 | 106 | 395166 | 98.298 | ug/l | | 99 |
| 69) o-Xylene | 11.957 | 106 | 187084 | 49.676 | ug/l | | 98 |
| 70) Styrene | 11.969 | 104 | 316002 | 50.431 | ug/l | | 100 |
| 71) Bromoform | 12.133 | 173 | 58316 | 48.247 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 493694 | 49.774 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 128988 | 51.162 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 84288 | 48.150 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 52897m | 40.055 | ug/l | | |
| 77) Bromobenzene | 12.536 | 156 | 114266 | 49.529 | ug/l | | 99 |
| 78) n-propylbenzene | 12.597 | 91 | 595911 | 49.510 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 339722 | 49.181 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 403527 | 49.604 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 29544 | 49.724 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 12.780 | 91 | 353786 | 49.408 | ug/l | | 99 |
| 83) tert-Butylbenzene | 12.999 | 119 | 358344 | 48.765 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 403288 | 49.846 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 515970 | 48.069 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 435539 | 48.594 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 221110 | 48.450 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 215487 | 47.797 | ug/l | | 100 |
| 89) n-Butylbenzene | 13.621 | 91 | 408995 | 48.491 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 88564 | 47.306 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.664 | 146 | 193750 | 48.457 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 13100 | 47.306 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 14.926 | 180 | 116572 | 47.769 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 70063 | 45.603 | ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 205892 | 50.937 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 98515 | 47.779 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

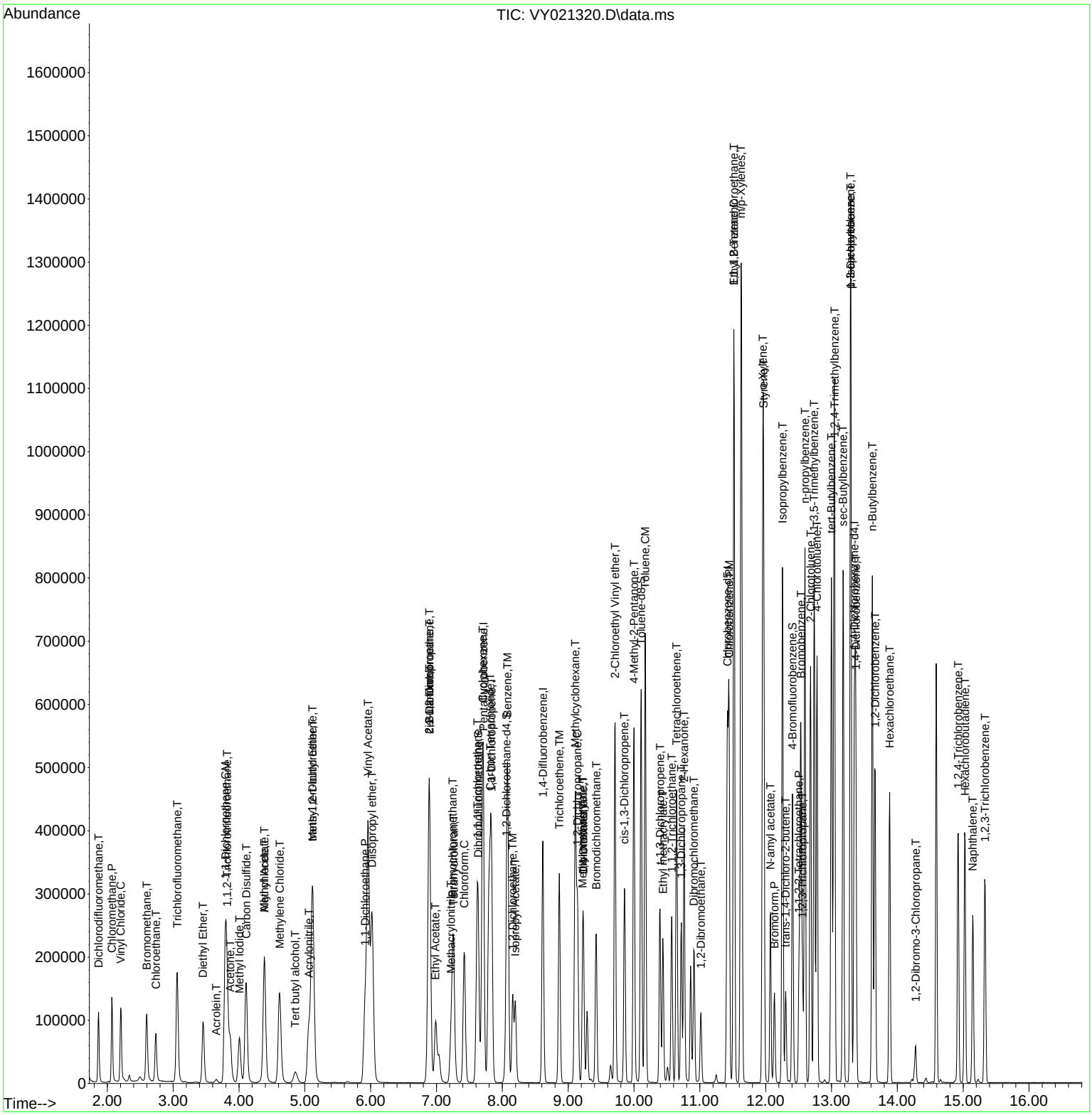
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

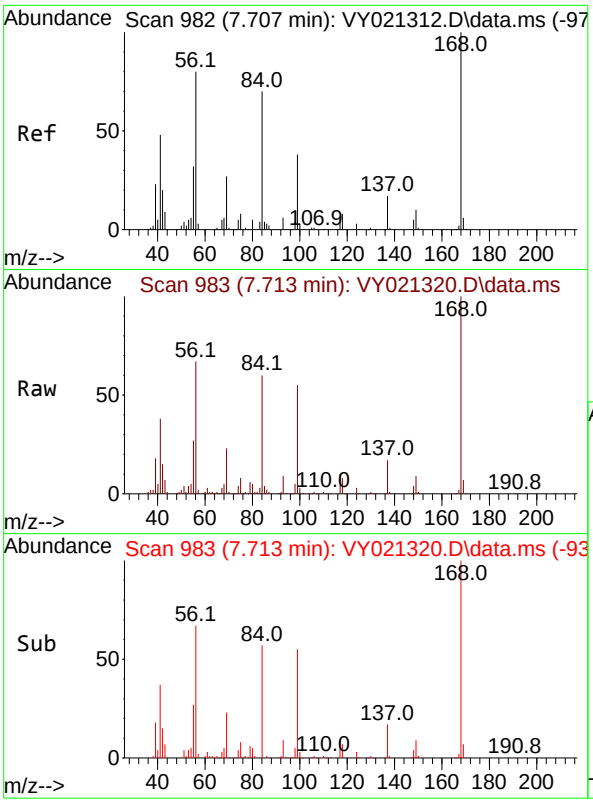
Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

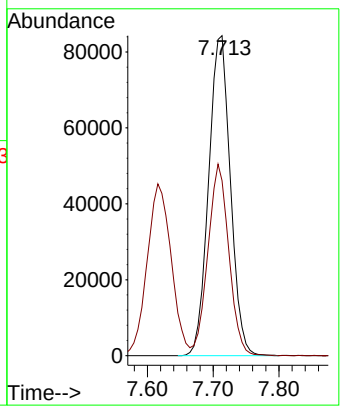





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:168 Resp: 19388

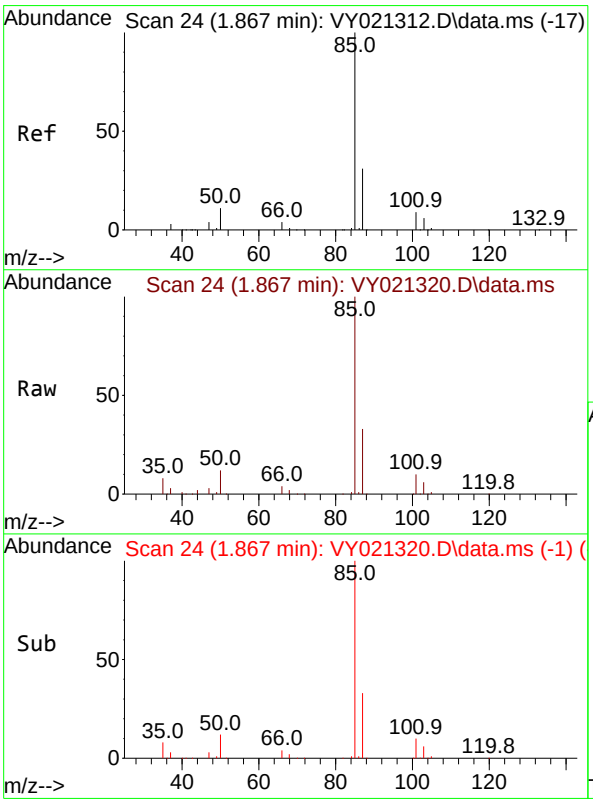
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.7 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

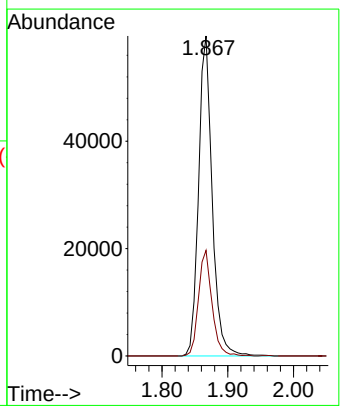
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

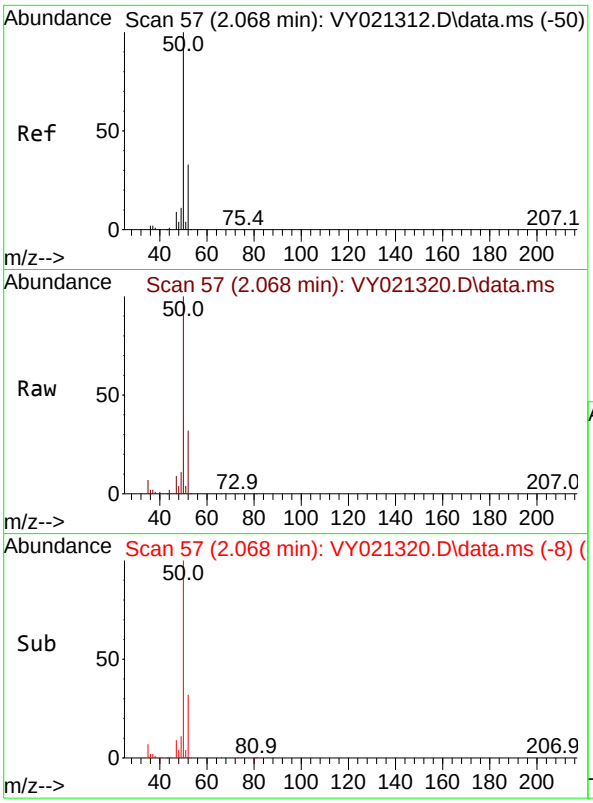



#2
Dichlorodifluoromethane
Concen: 46.640 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 85 Resp: 85738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 15.4 | 46.4 |

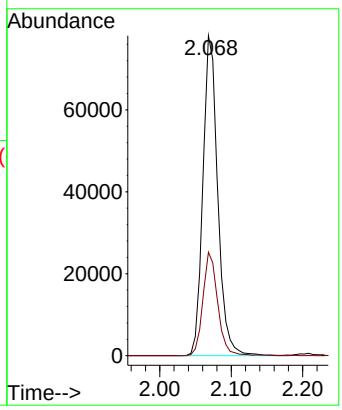





#3
Chloromethane
Concen: 47.473 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 50 Resp: 11270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

**Manual Integrations**
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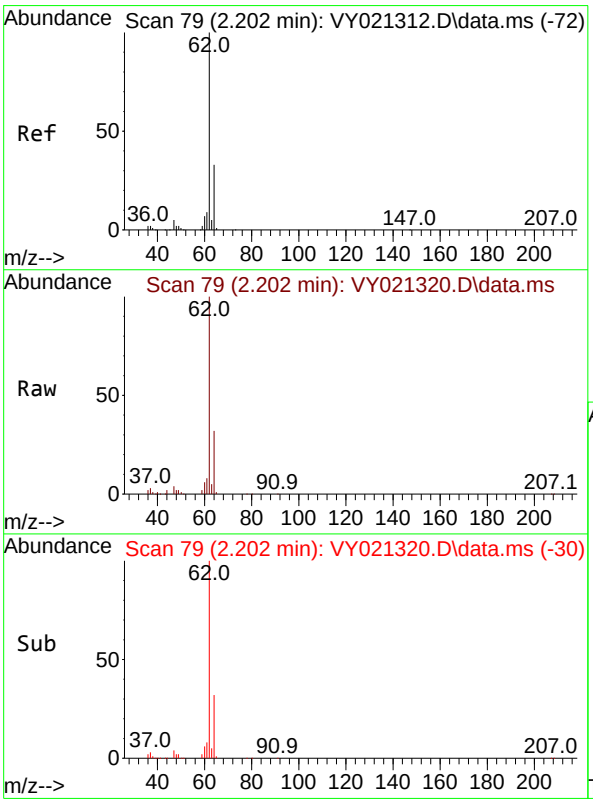
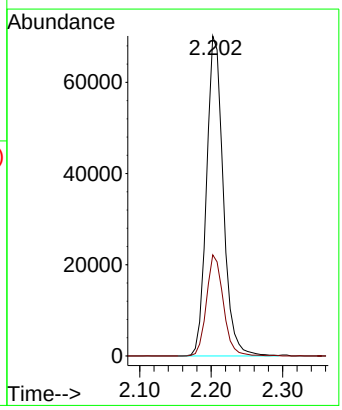
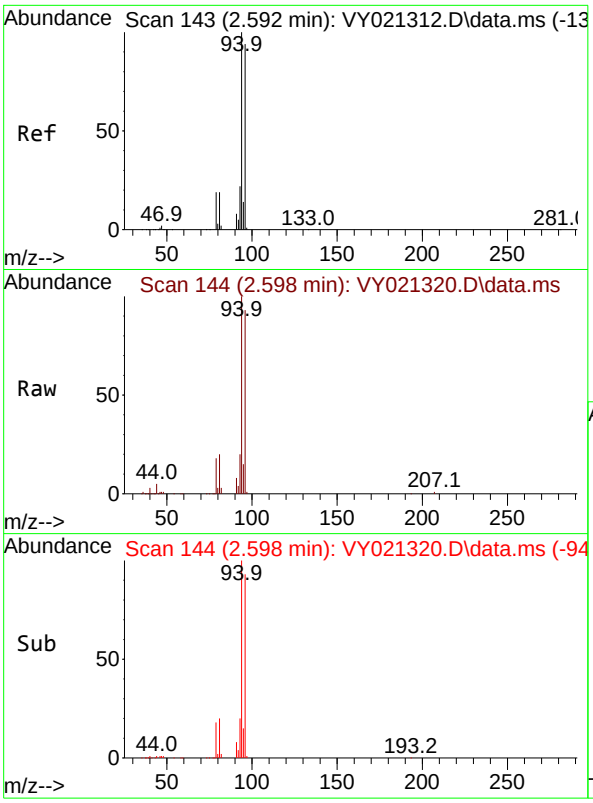



#4
Vinyl Chloride
Concen: 48.798 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 113710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.6 | 26.3 | 39.5 |

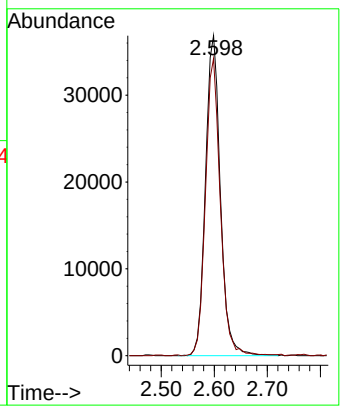





#5
Bromomethane
Concen: 46.361 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 94 Resp: 7178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.6 | 75.2 | 112.8 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

**Manual Integrations**
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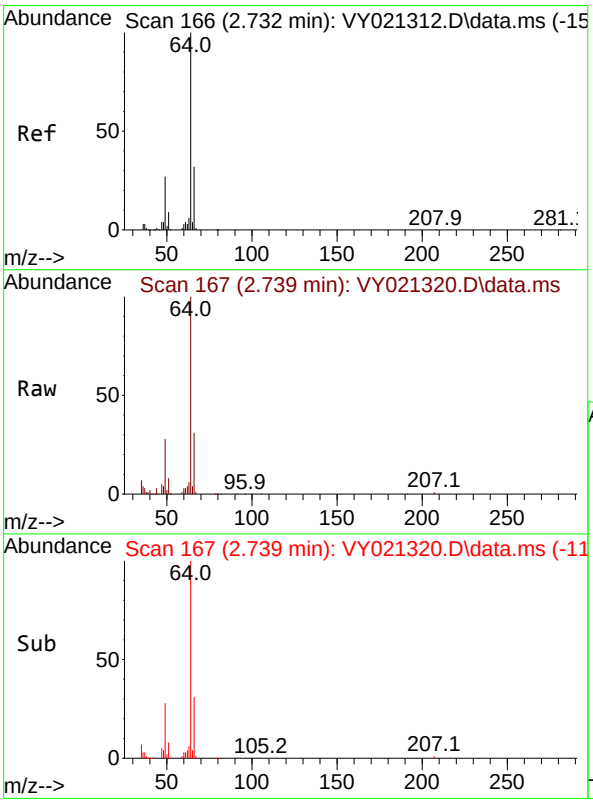
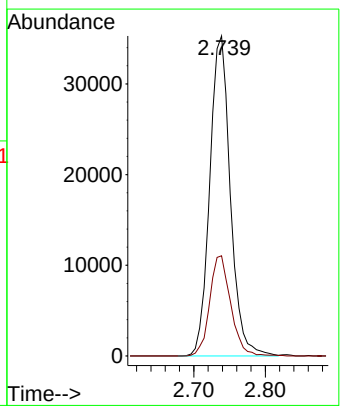
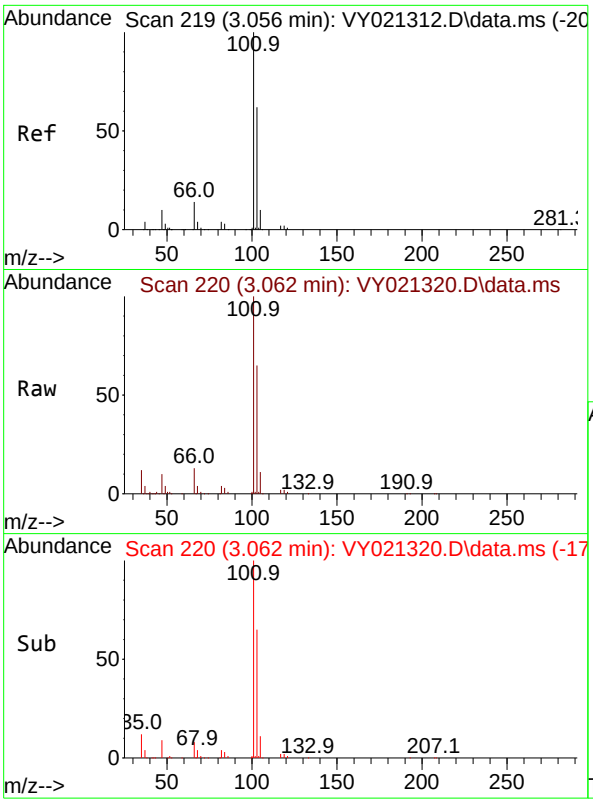



#6
Chloroethane
Concen: 48.772 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 64 Resp: 70476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 25.4 | 38.0 |

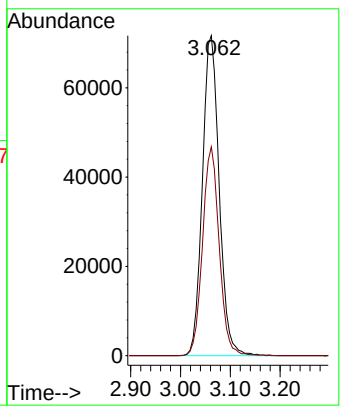





#7
Trichlorofluoromethane
Concen: 47.701 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:101 Resp: 16786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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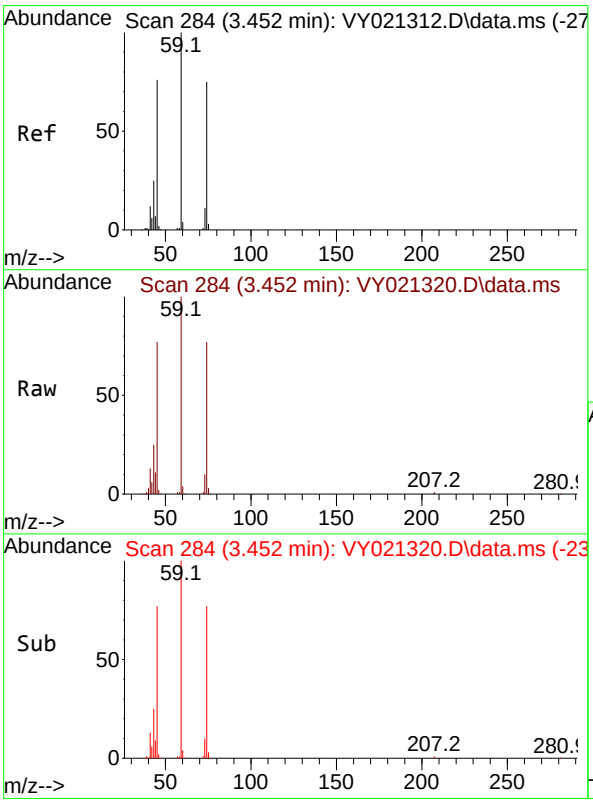
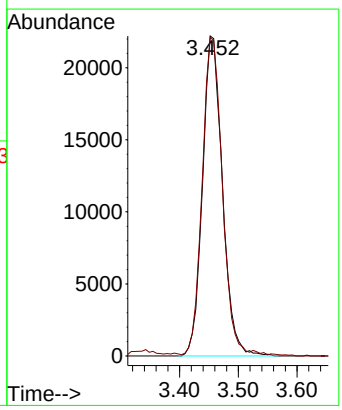
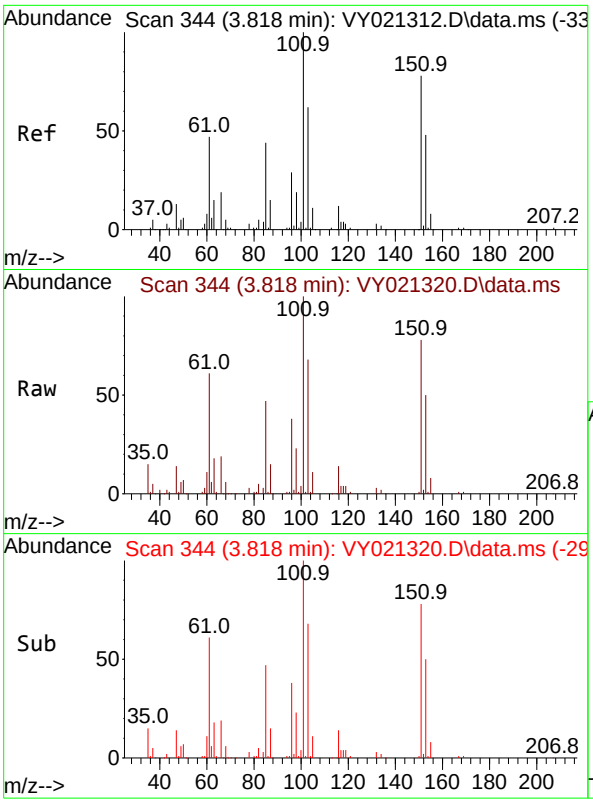



#8
Diethyl Ether
Concen: 49.537 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 74 Resp: 52323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.2 | 50.3 | 150.9 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.169 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:101 Resp: 9610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.2 | 36.7 | 55.1 |
| 151 | 77.0 | 62.6 | 94.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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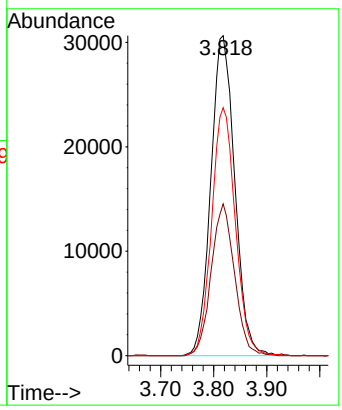
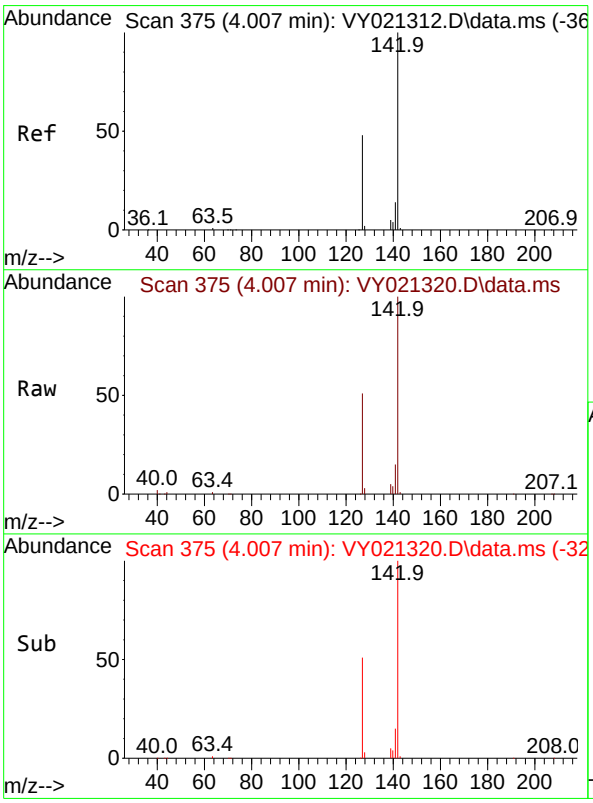
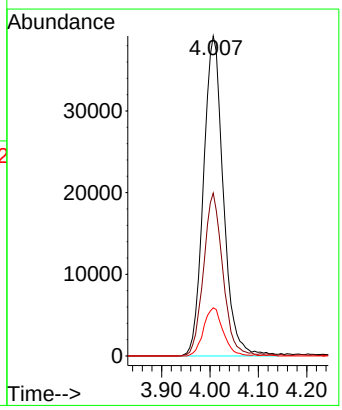


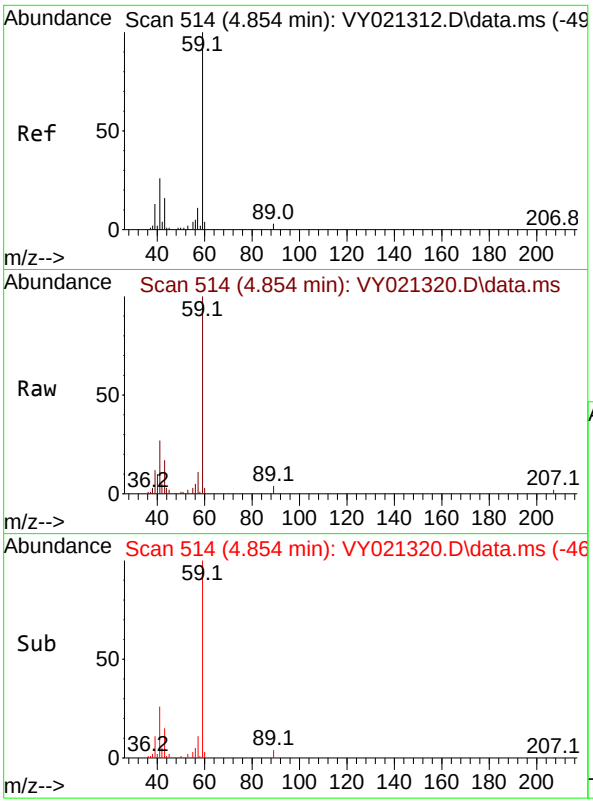




#10
Methyl Iodide
Concen: 52.212 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:142 Resp: 111918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.4 | 39.2 | 58.8 |
| 141 | 14.8 | 11.4 | 17.2 |

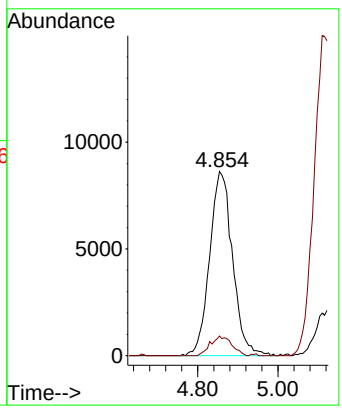





#11
Tert butyl alcohol
Concen: 202.221 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 59 Resp: 3421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.8 | 8.3 | 12.5 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

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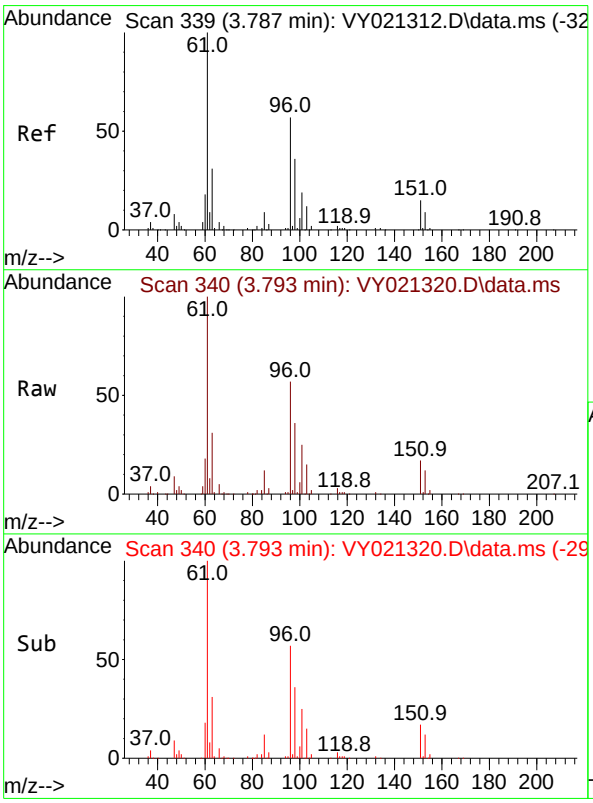
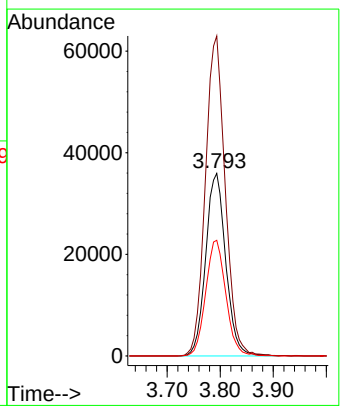
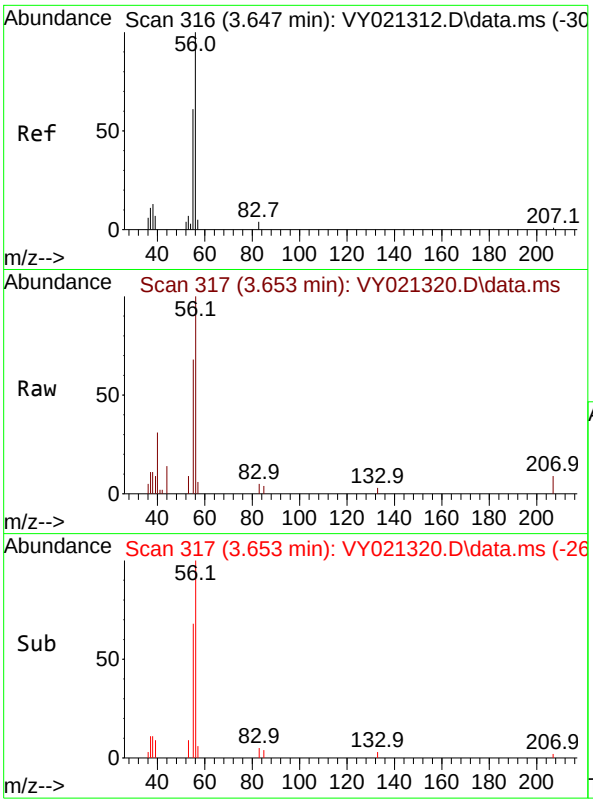



#12
1,1-Dichloroethene
Concen: 48.413 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 94447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.2 | 139.7 | 209.5 |
| 98 | 63.3 | 49.7 | 74.5 |

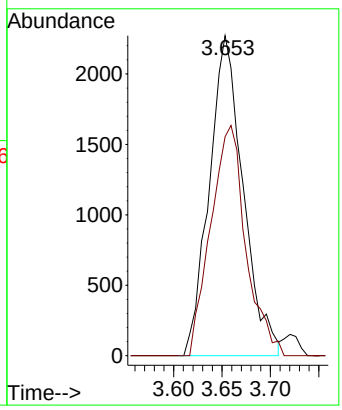





#13
Acrolein
Concen: 42.624 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 56 Resp: 552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.4 | 59.0 | 88.6 |

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VSTDCCC050

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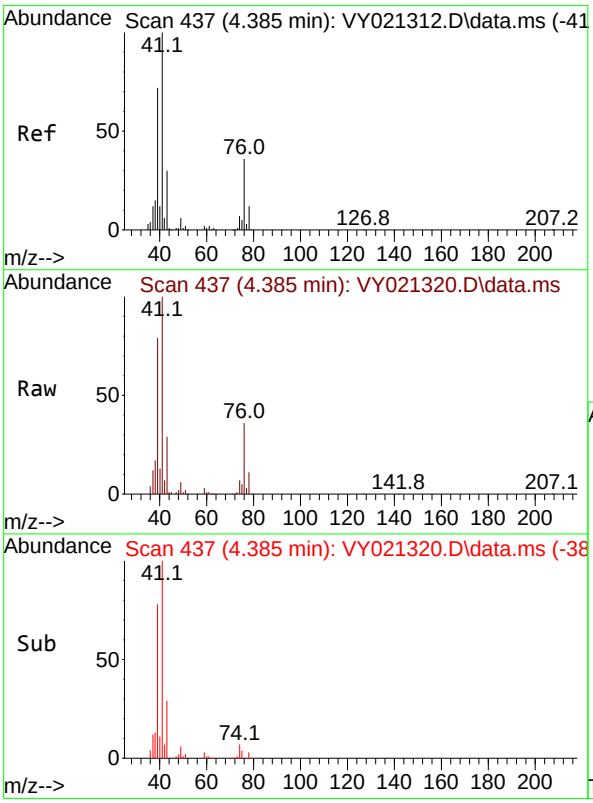
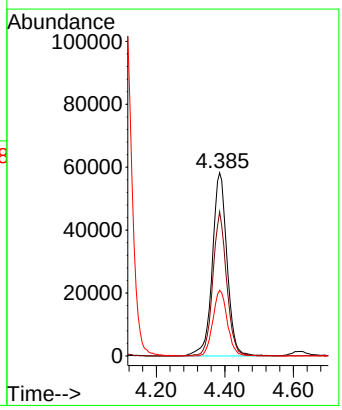
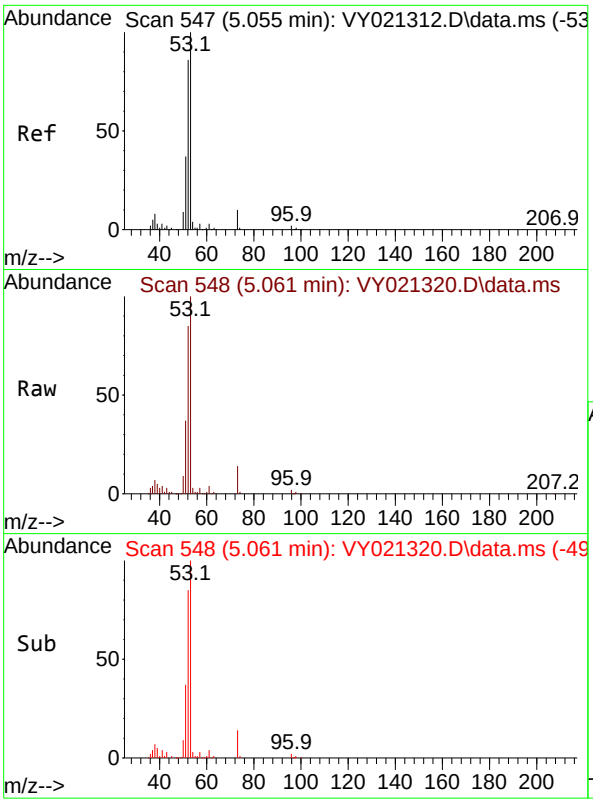



#14
Allyl chloride
Concen: 50.242 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 173778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.8 | 60.0 | 90.0 |
| 76 | 35.2 | 29.0 | 43.6 |






#15
Acrylonitrile
Concen: 241.892 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 53 Resp: 11296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 65.5 | 98.3 |
| 51 | 37.7 | 30.6 | 46.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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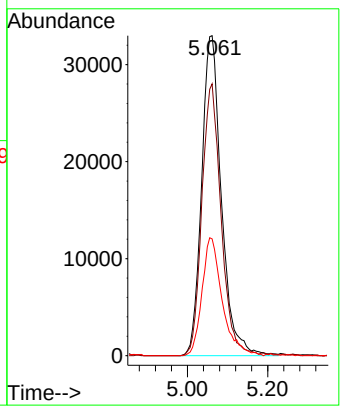
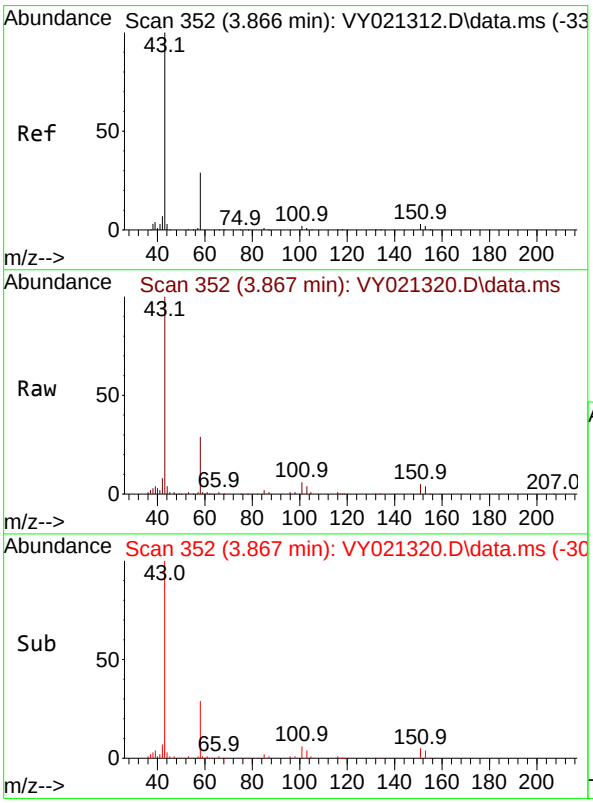
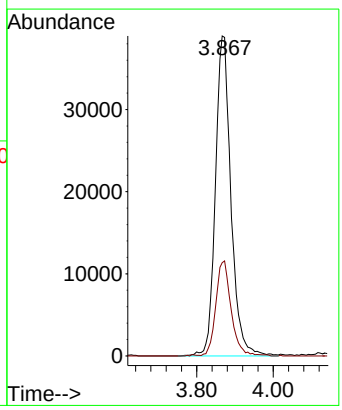


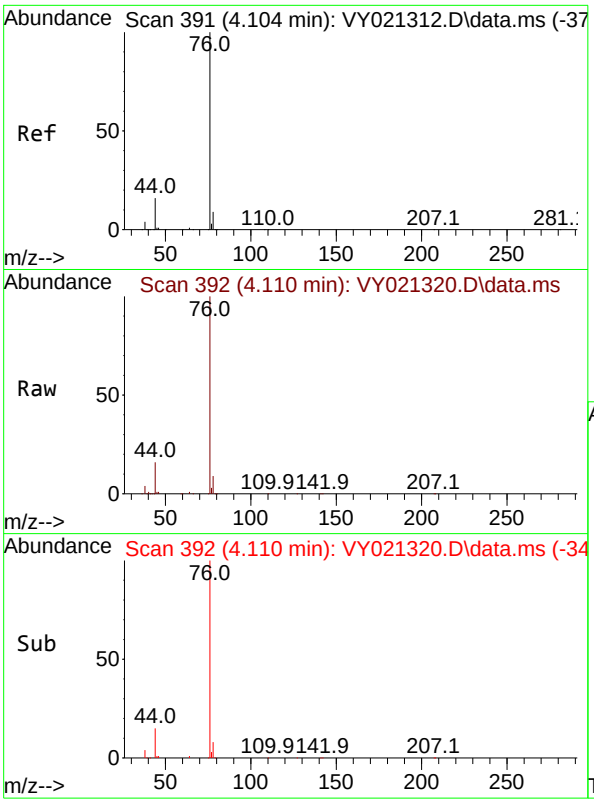




#16
Acetone
Concen: 260.267 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 109810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.2 | 23.5 | 35.3 |

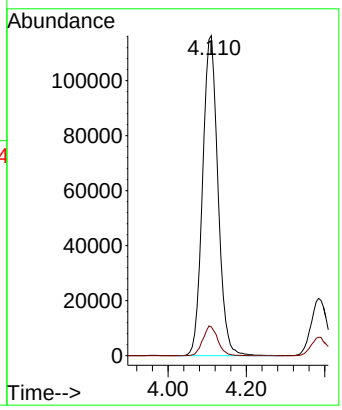





#17
Carbon Disulfide
Concen: 48.712 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 76 Resp: 31556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.1 | 10.7 |

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VSTDCCC050

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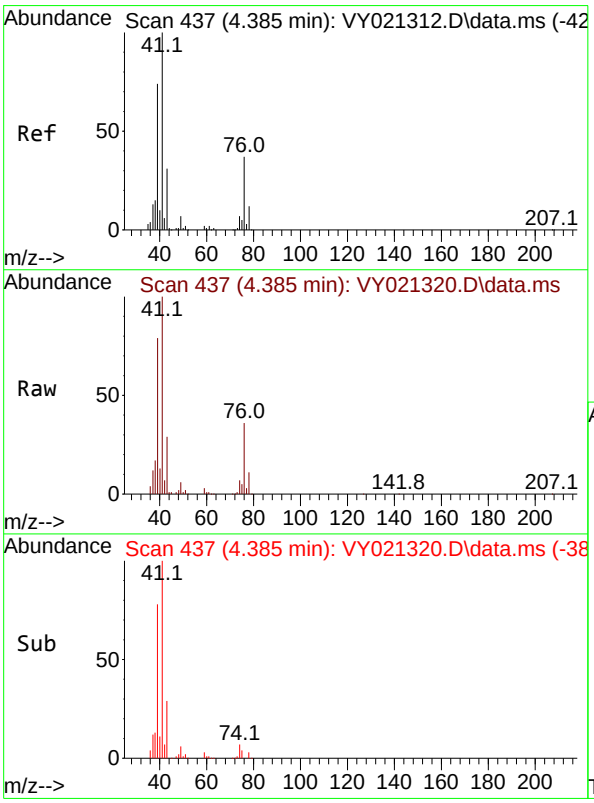
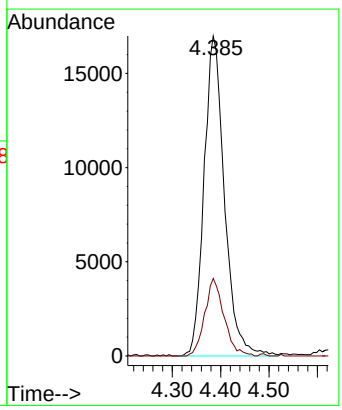
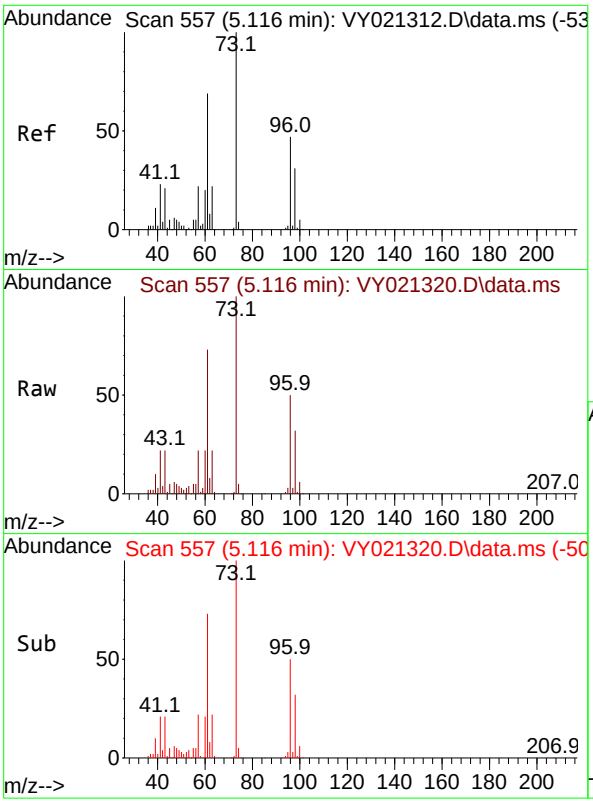



#18
Methyl Acetate
Concen: 48.342 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 49846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 17.7 | 26.5 |

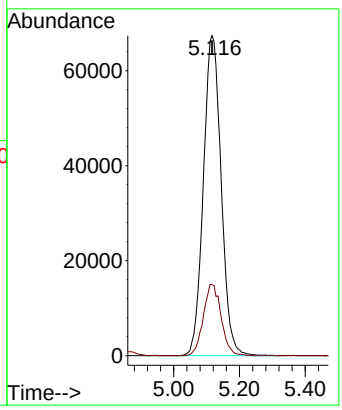





#19
Methyl tert-butyl Ether
Concen: 49.206 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 73 Resp: 25362

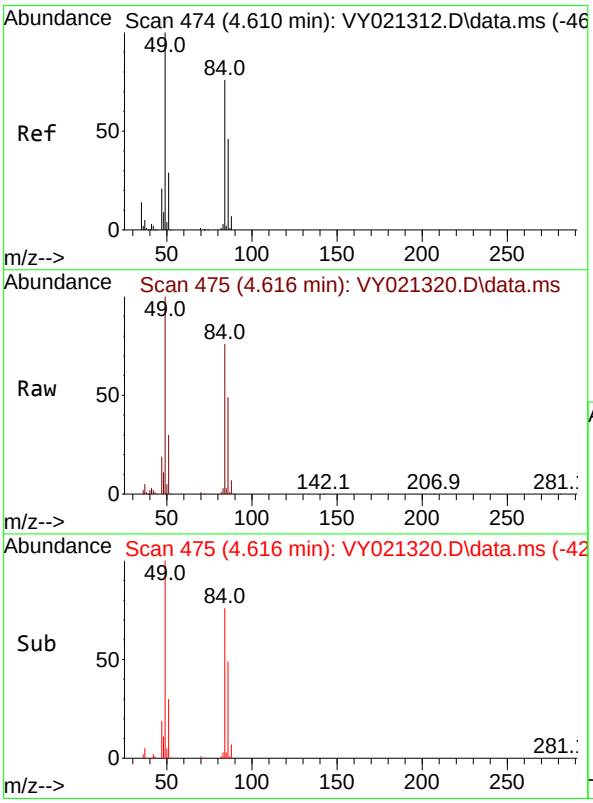
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.4 | 26.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

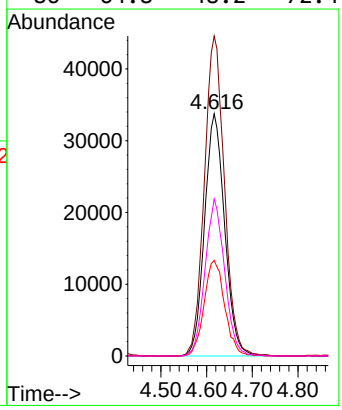
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

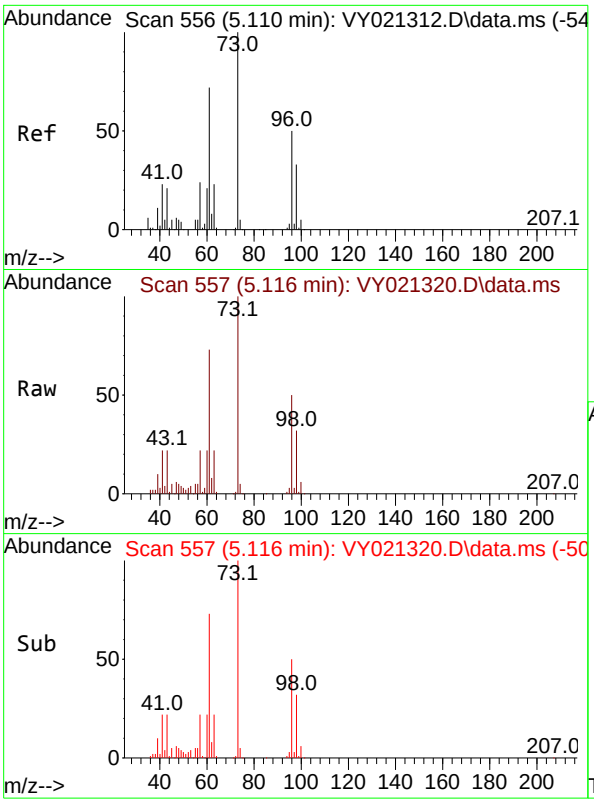



#20
Methylene Chloride
Concen: 45.263 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 84 Resp: 103268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 132.1 | 105.1 | 157.7 |
| 51 | 39.5 | 31.0 | 46.4 |
| 86 | 64.8 | 48.2 | 72.4 |

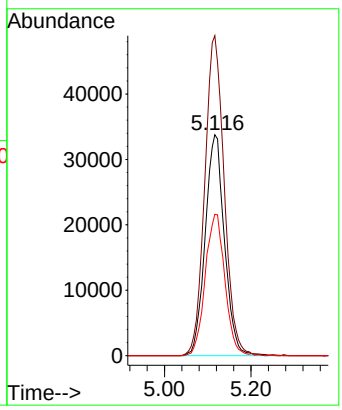





#21
trans-1,2-Dichloroethene
Concen: 48.708 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 10460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.8 | 116.3 | 174.5 |
| 98 | 64.0 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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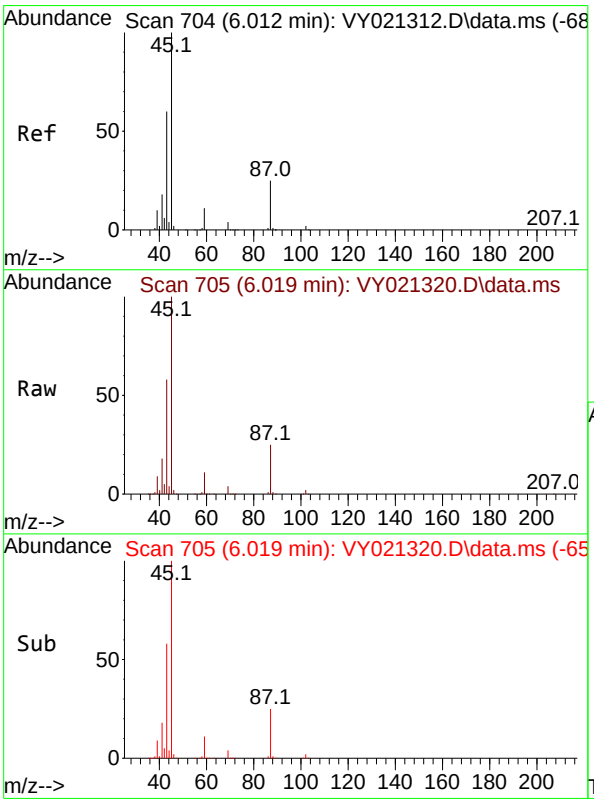
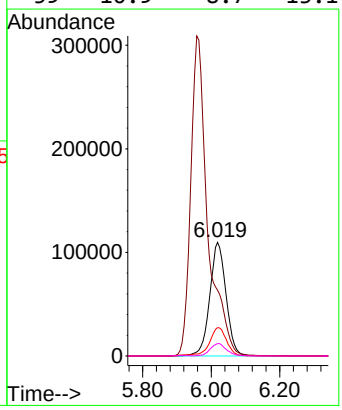
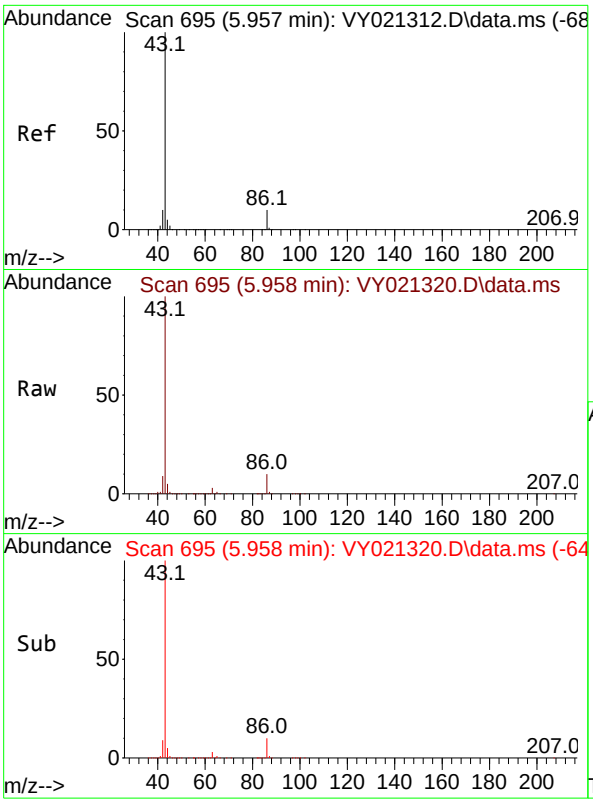



#22
Diisopropyl ether
Concen: 50.442 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 45 Resp: 361038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 57.7 | 48.2 | 72.4 |
| 87 | 24.9 | 20.3 | 30.5 |
| 59 | 10.9 | 8.7 | 13.1 |

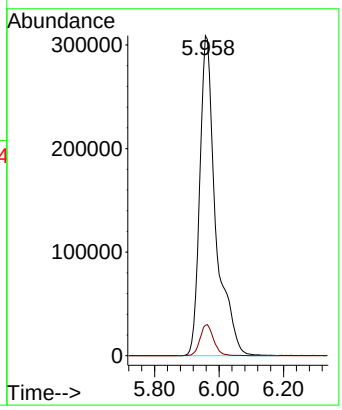





#23
Vinyl Acetate
Concen: 249.197 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 106584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.5 | 8.0 | 12.0 |




**Instrument :**
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VSTDCCC050

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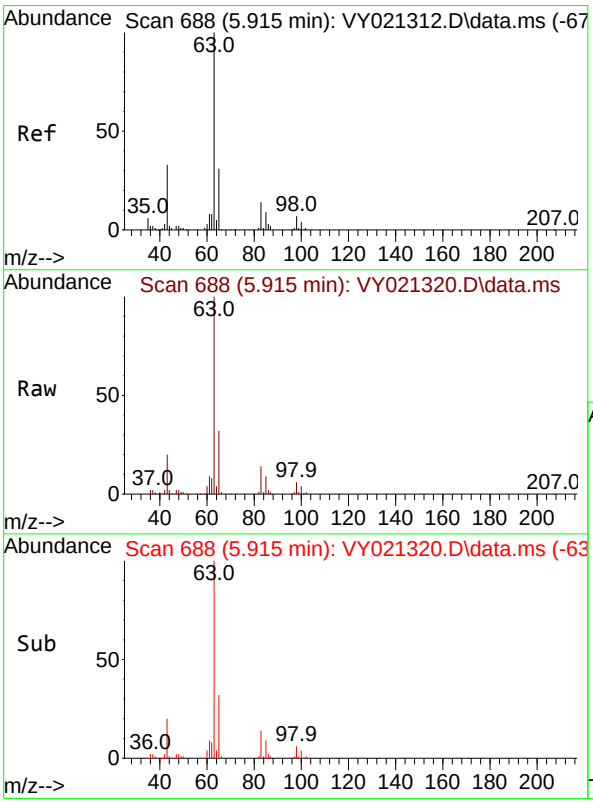
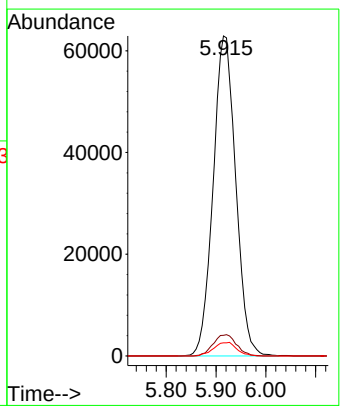
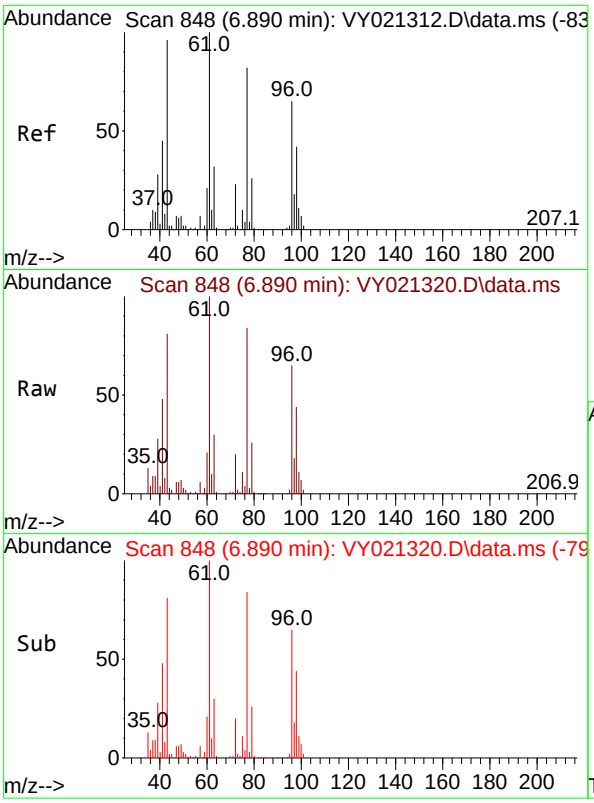



#24
1,1-Dichloroethane
Concen: 49.069 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 197949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.4 | 3.7 | 11.1 |
| 100 | 4.1 | 2.1 | 6.5 |






#25
2-Butanone
Concen: 246.999 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 15728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.5 | 19.0 | 28.6 |

**Instrument :**
MSVOA_Y
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VSTDCCC050

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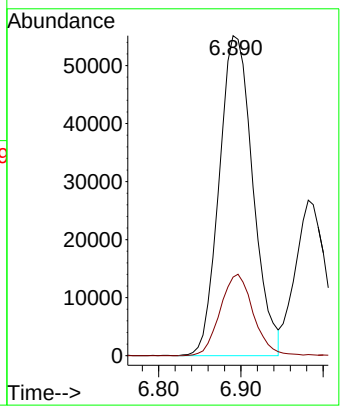
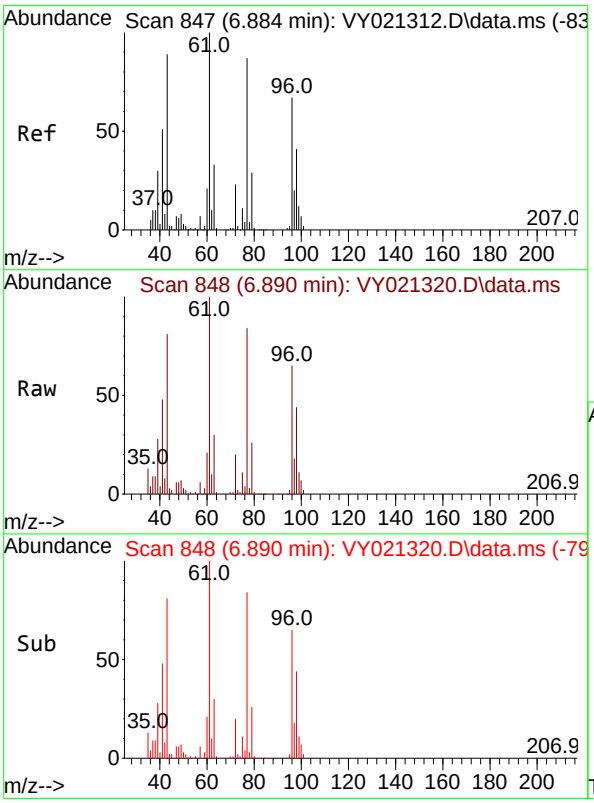
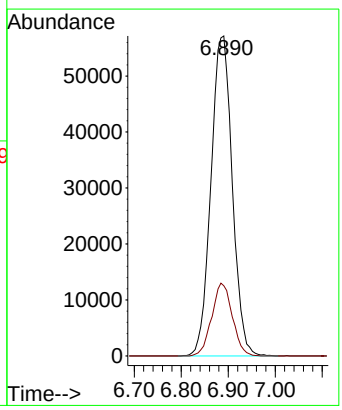


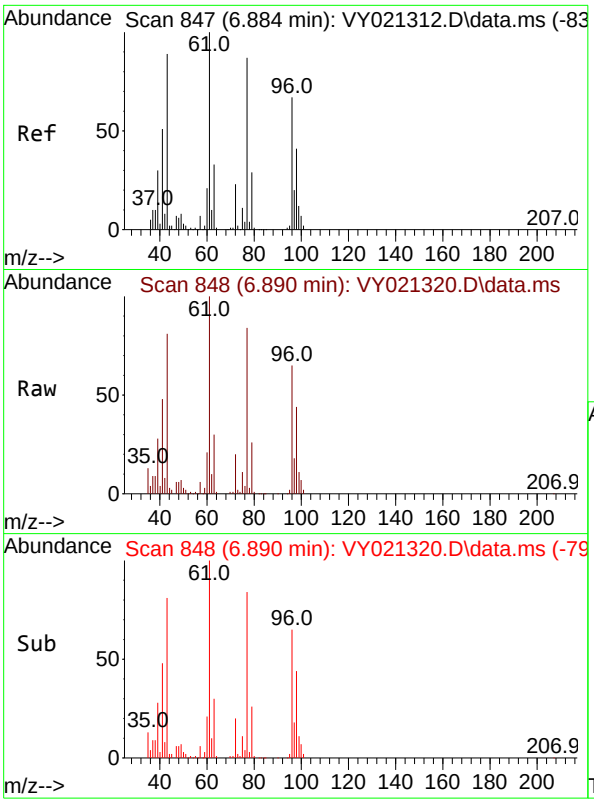




#26
2,2-Dichloropropane
Concen: 49.191 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 77 Resp: 180065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.9 | 10.9 | 32.7 |

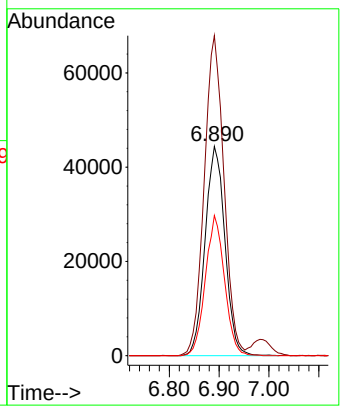





#27
cis-1,2-Dichloroethene
Concen: 50.053 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 12275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.2 | 0.0 | 308.0 |
| 98 | 64.6 | 0.0 | 129.6 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

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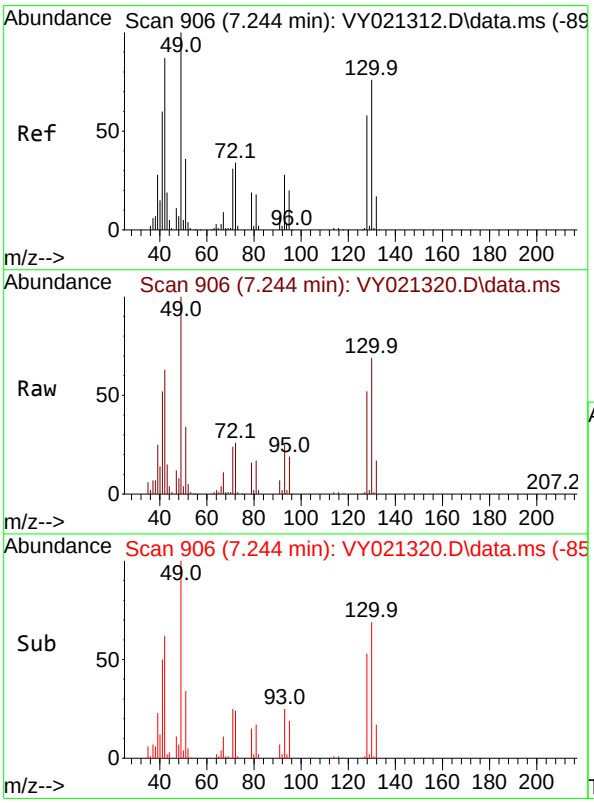
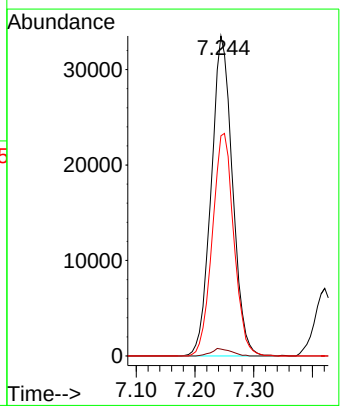
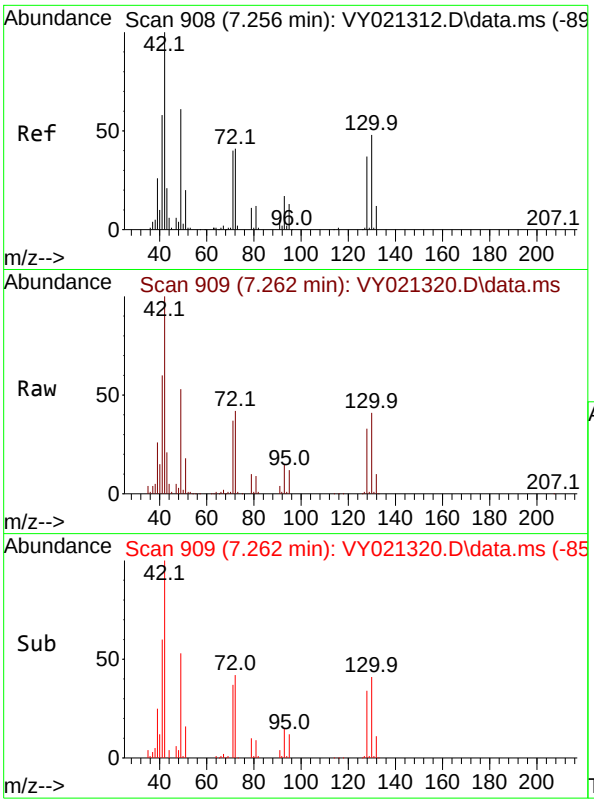



#28
Bromochloromethane
Concen: 47.247 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 49 Resp: 84337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.0 |
| 130 | 70.3 | 57.8 | 86.6 |

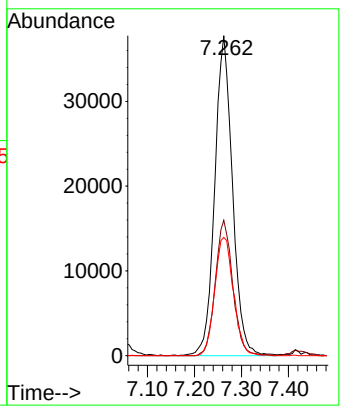





#29
Tetrahydrofuran
Concen: 238.435 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 42 Resp: 9924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.6 | 33.1 | 49.7 |
| 71 | 39.1 | 31.4 | 47.0 |

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VSTDCCC050

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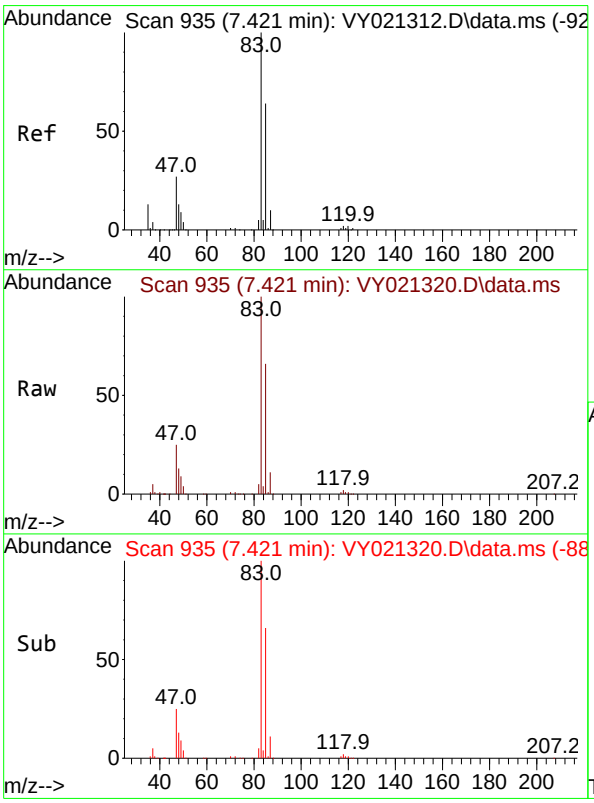
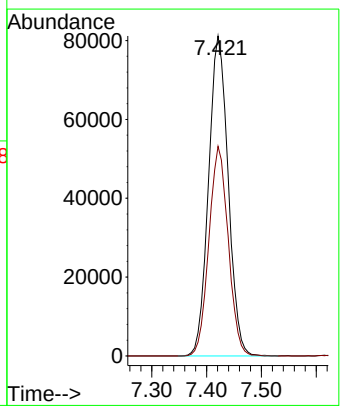
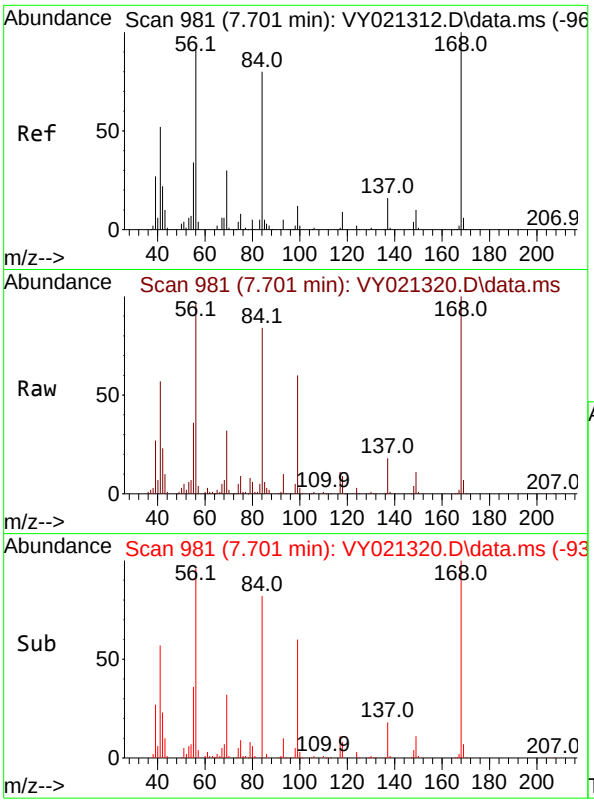



#30
Chloroform
Concen: 49.253 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 201334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 51.6 | 77.4 |

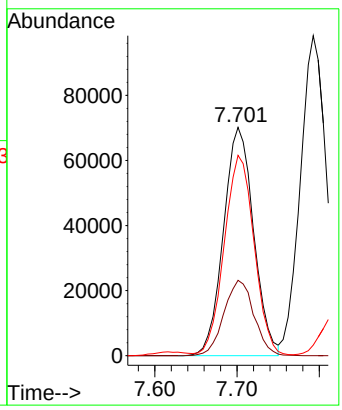





#31
Cyclohexane
Concen: 46.094 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 56 Resp: 17874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.0 | 26.2 | 39.4 |
| 84 | 86.1 | 70.2 | 105.4 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

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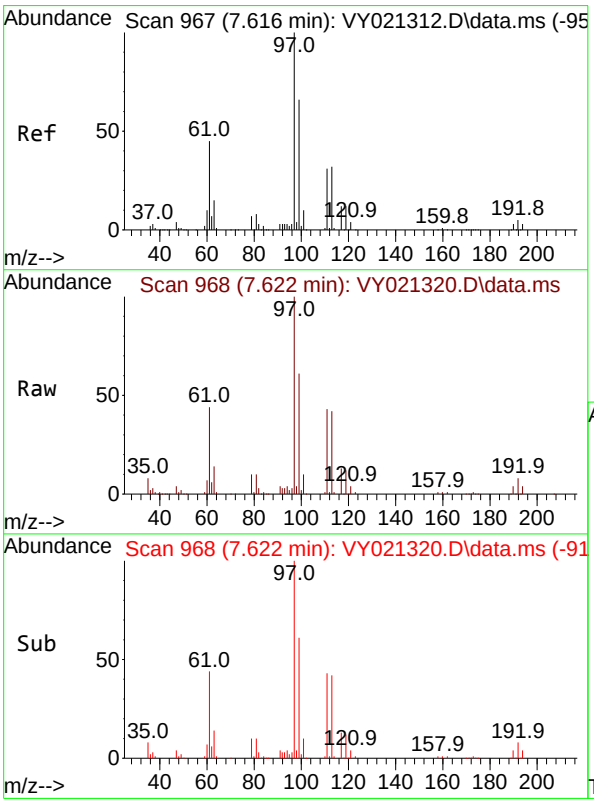
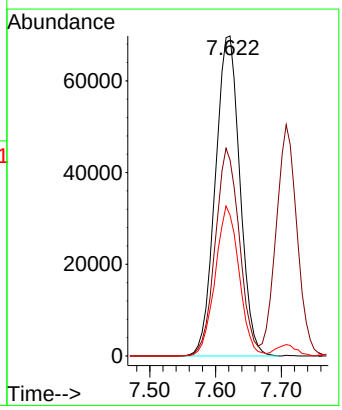
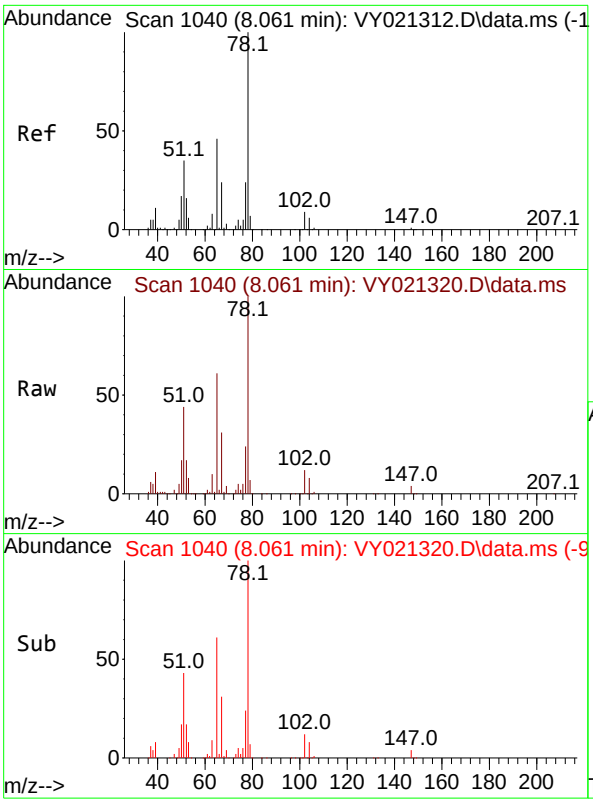



#32
1,1,1-Trichloroethane
Concen: 48.795 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 97 Resp: 181553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 52.4 | 78.6 |
| 61 | 45.6 | 36.2 | 54.2 |

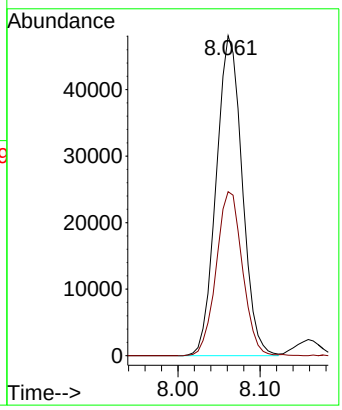





#33
1,2-Dichloroethane-d4
Concen: 47.987 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 65 Resp: 10554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 103.6 |

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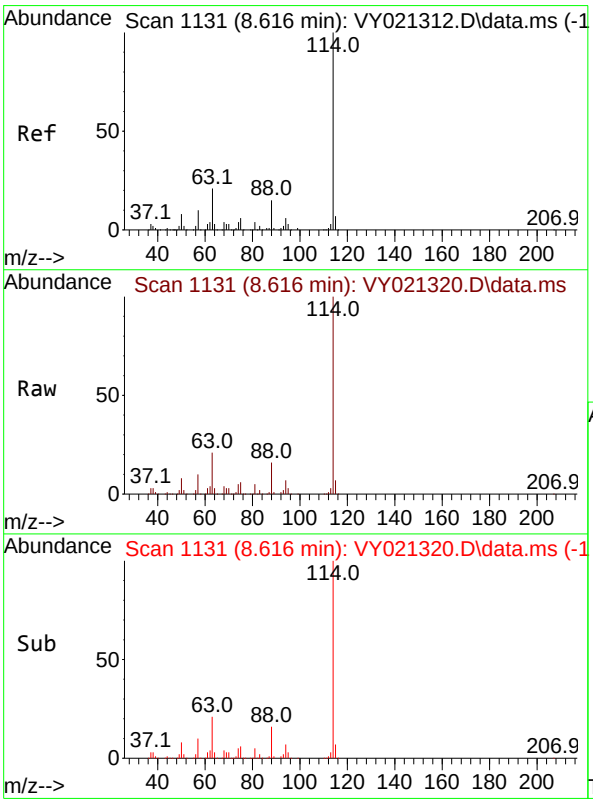
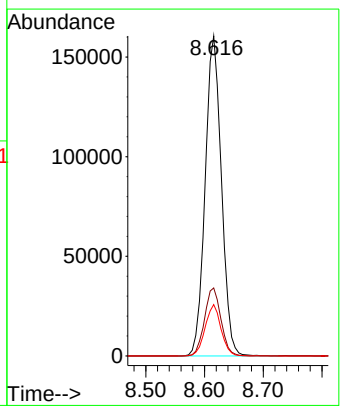
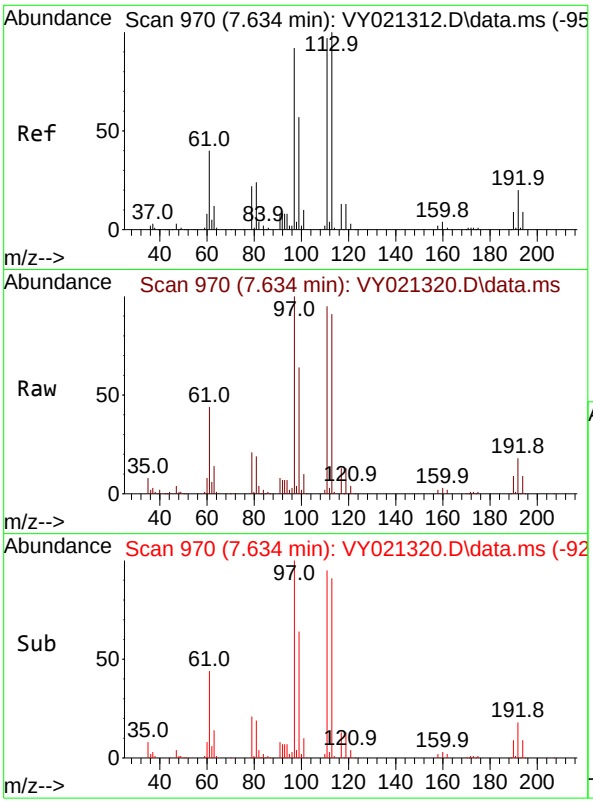



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:114 Resp: 308714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 42.2 |
| 88 | 16.0 | 0.0 | 29.8 |

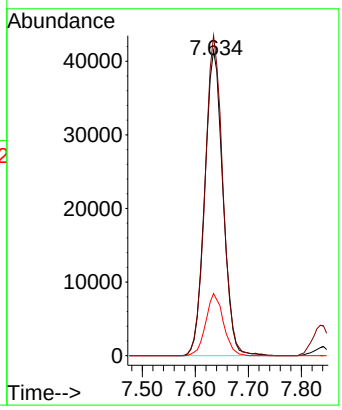





#35
Dibromofluoromethane
Concen: 48.743 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:113 Resp: 9865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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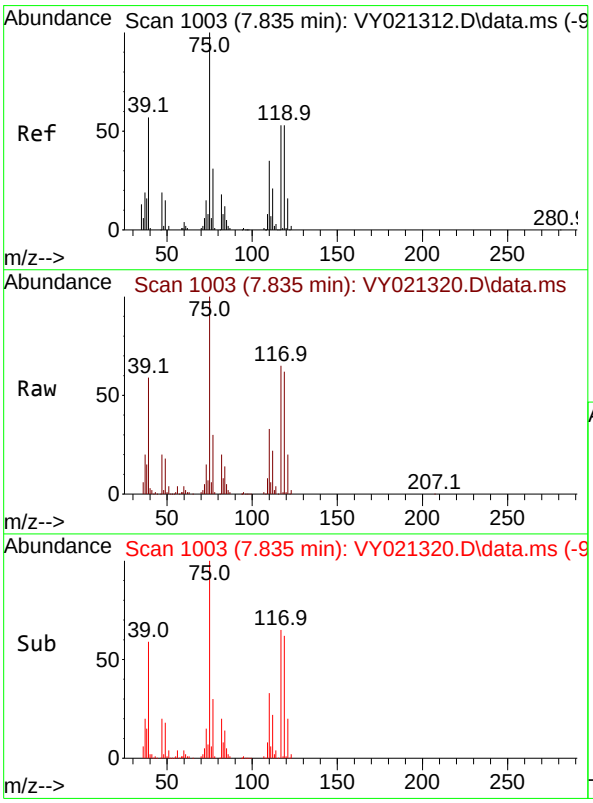
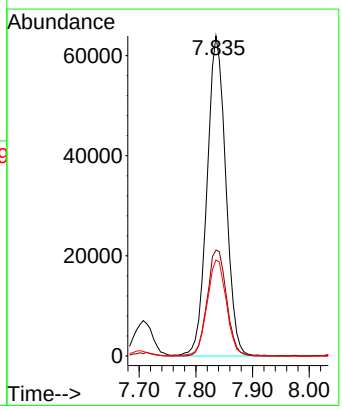
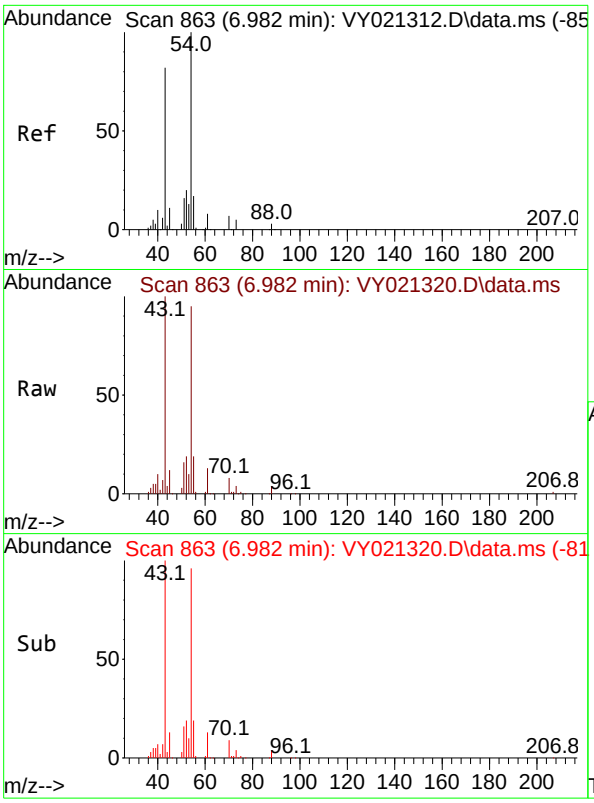



#36
1,1-Dichloropropene
Concen: 48.254 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 146702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.1 | 16.9 | 50.7 |
| 77 | 30.9 | 24.6 | 36.8 |






#37
Ethyl Acetate
Concen: 48.080 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 7271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 10.4 | 15.6 |
| 70 | 9.2 | 7.5 | 11.3 |

**Instrument :**
MSVOA_Y
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VSTDCCC050

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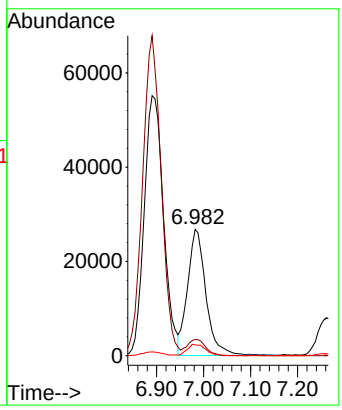
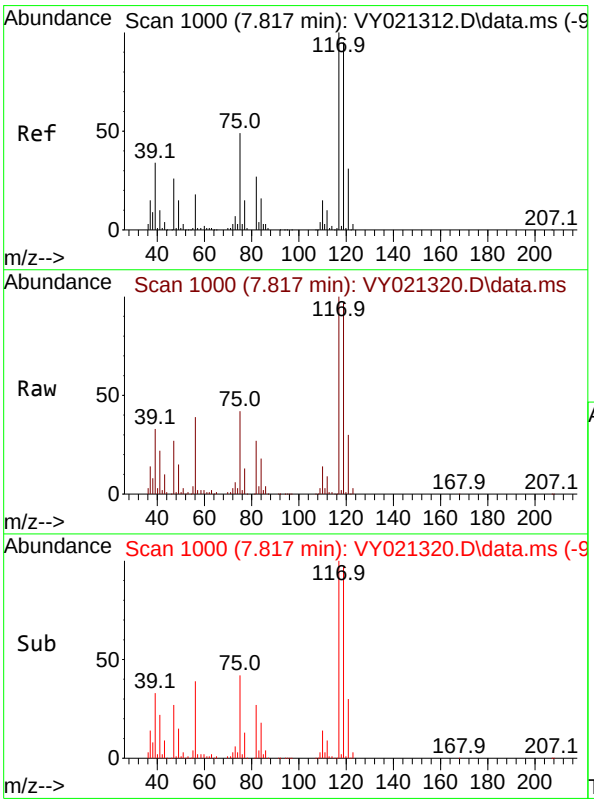
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

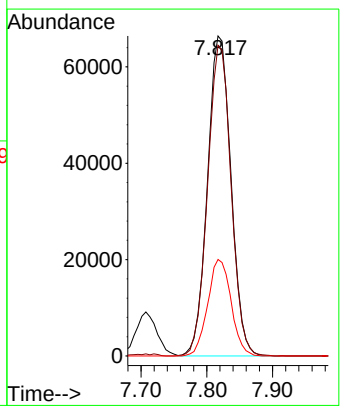


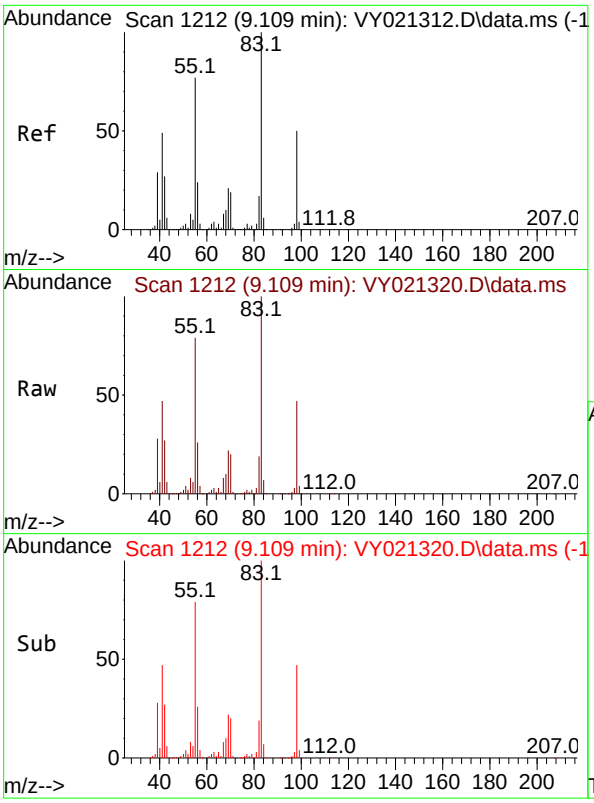




#38
Carbon Tetrachloride
Concen: 48.402 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 165430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.1 | 76.0 | 114.0 |
| 121 | 30.1 | 24.9 | 37.3 |






#39
Methylcyclohexane
Concen: 46.422 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 17850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.2 | 61.3 | 91.9 |
| 98 | 47.3 | 39.9 | 59.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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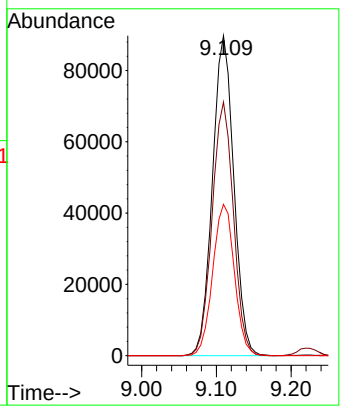
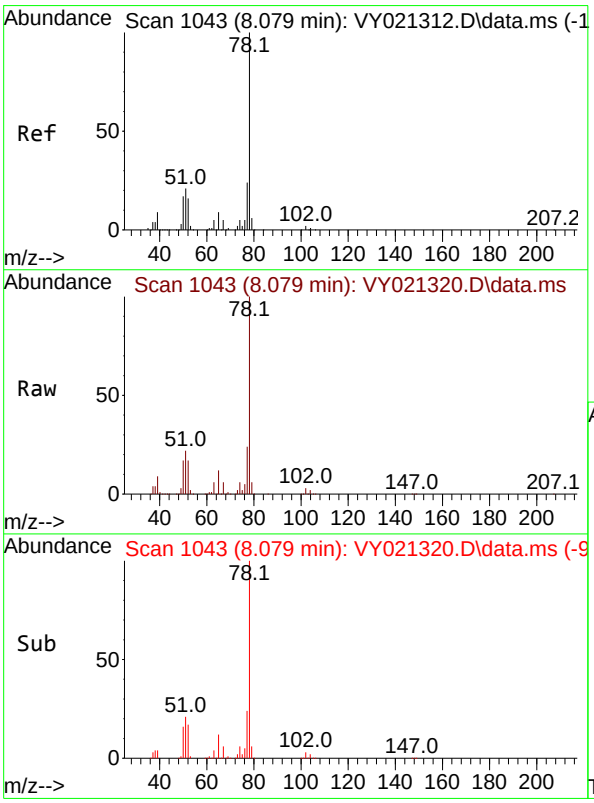
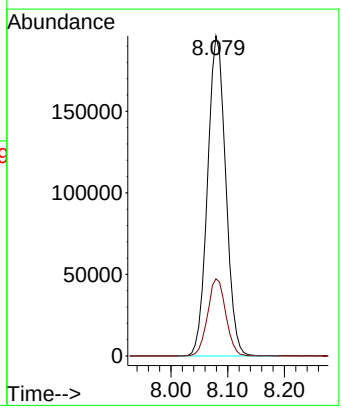


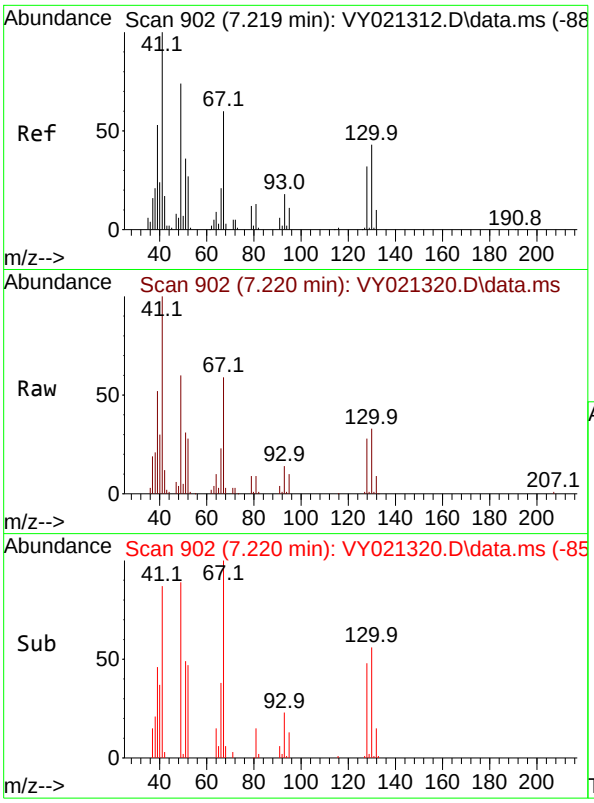




#40
Benzene
Concen: 48.593 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 78 Resp: 436709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.2 | 28.8 |

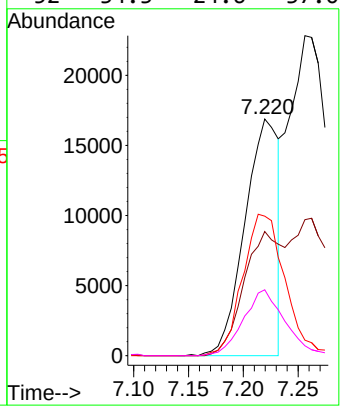





#41
Methacrylonitrile
Concen: 42.766 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 3616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 61.0 | 42.3 | 63.5 |
| 67 | 75.4 | 54.8 | 82.2 |
| 52 | 34.3 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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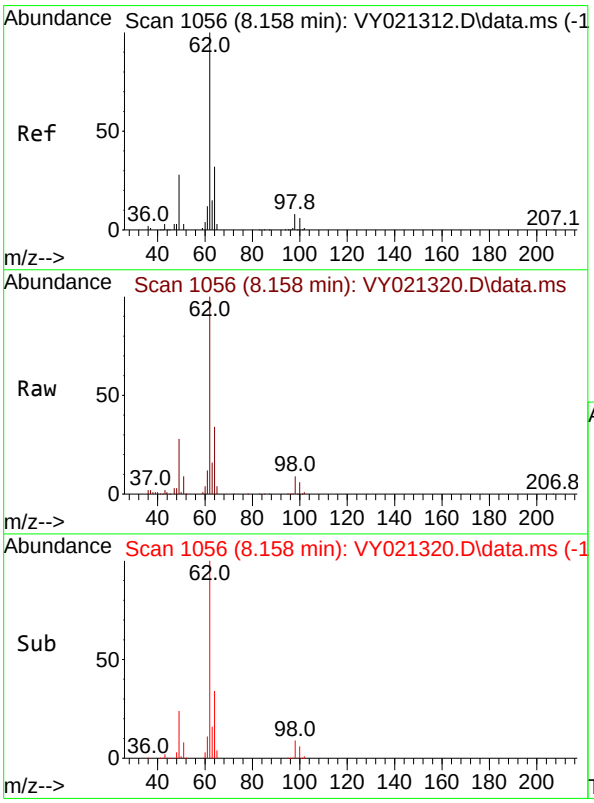
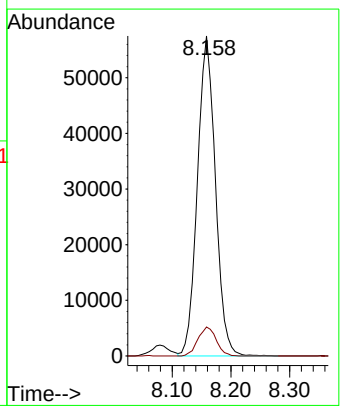
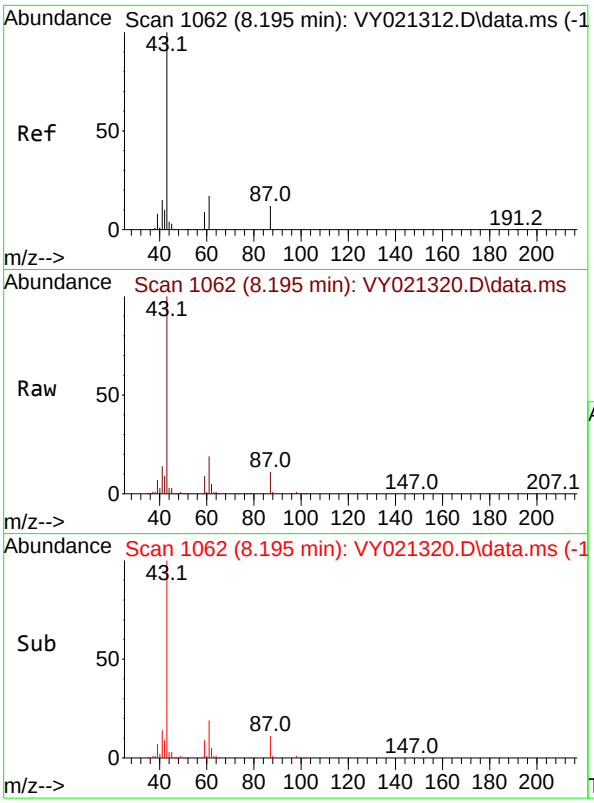



#42
1,2-Dichloroethane
Concen: 47.978 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 122335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 0.0 | 17.6 |

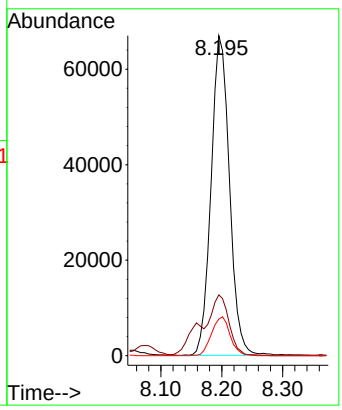





#43
Isopropyl Acetate
Concen: 47.984 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 14045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.0 | 22.6 |
| 87 | 12.3 | 10.0 | 15.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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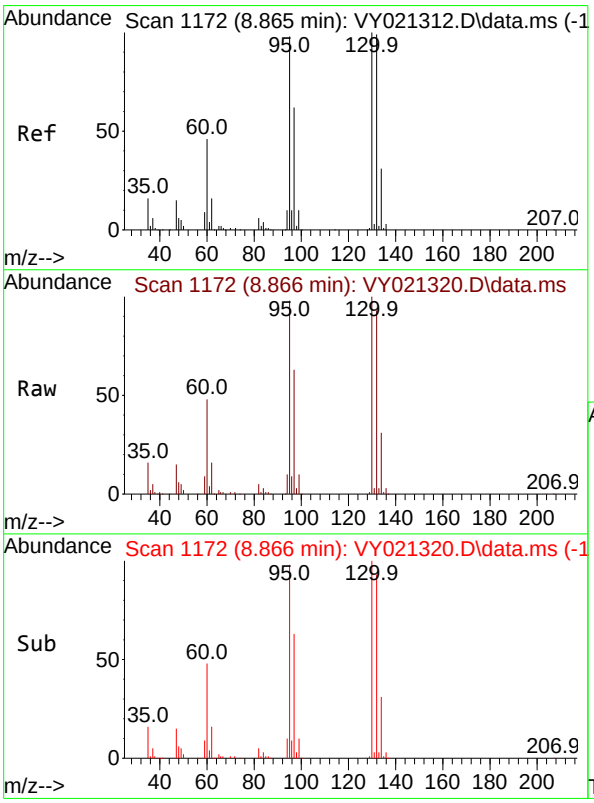
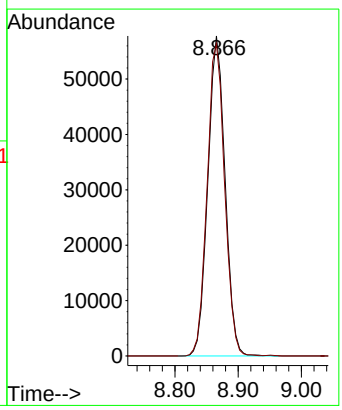
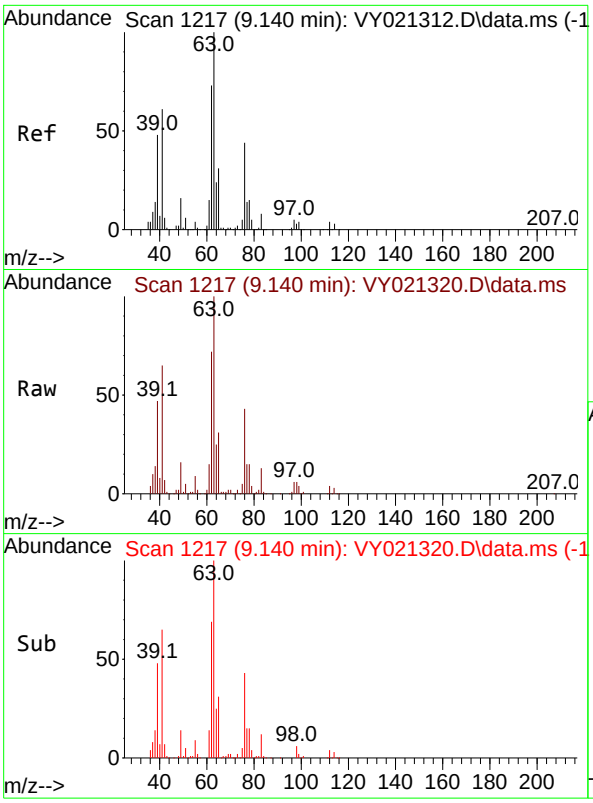



#44
Trichloroethene
Concen: 48.665 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:130 Resp: 109499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.5 | 0.0 | 196.0 |

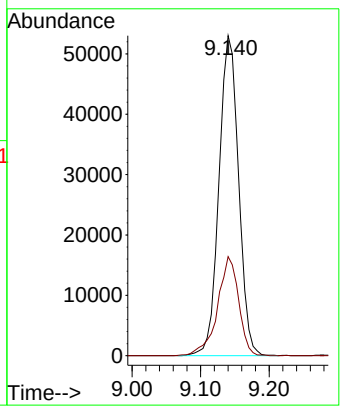





#45
1,2-Dichloropropane
Concen: 48.637 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 10519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.9 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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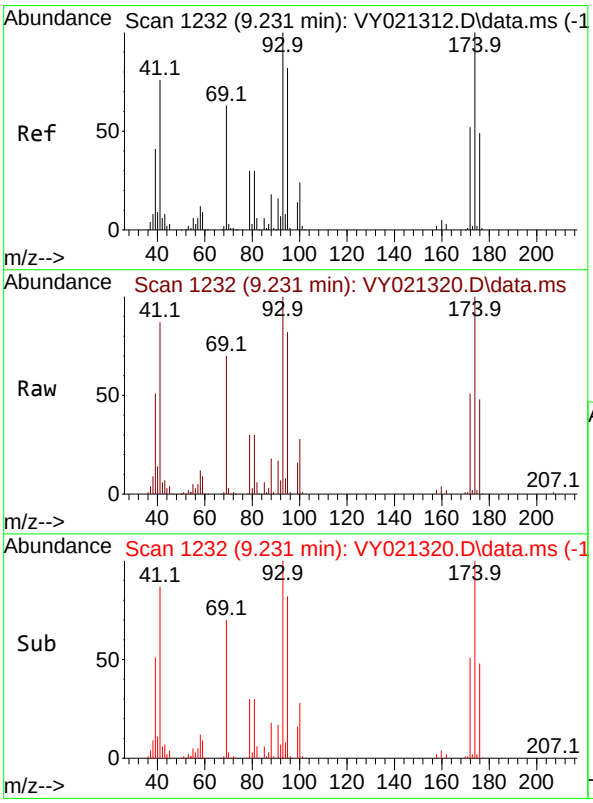
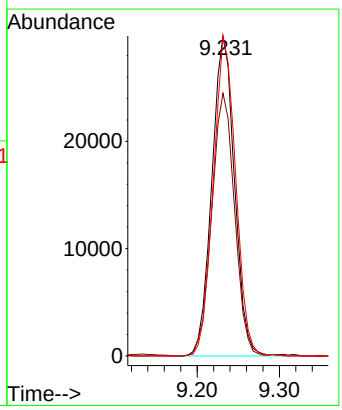
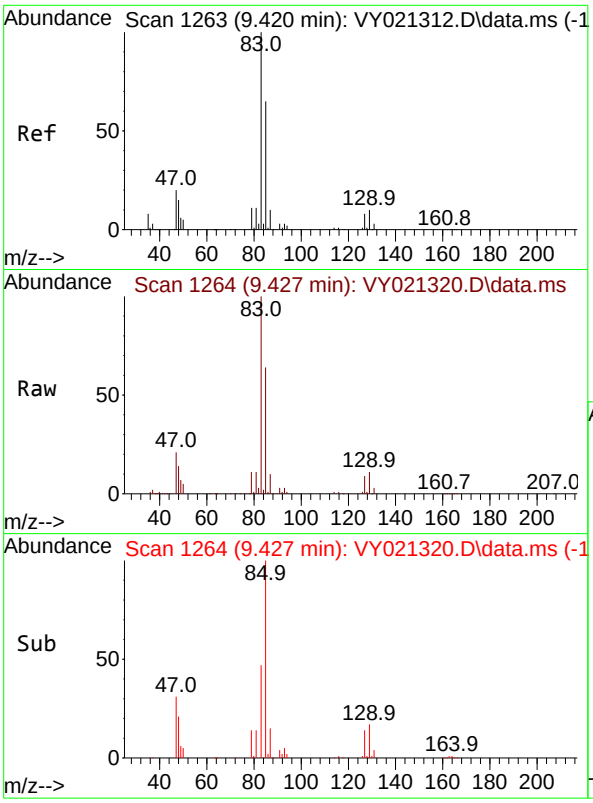



#46
Dibromomethane
Concen: 48.195 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 93 Resp: 56977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 66.4 | 99.6 |
| 174 | 98.8 | 78.2 | 117.2 |

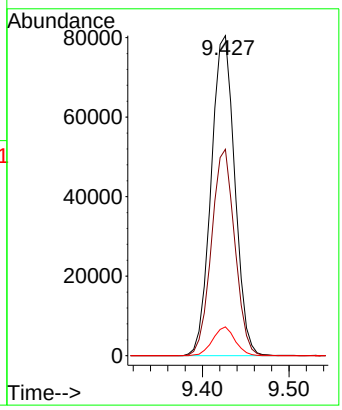





#47
Bromodichloromethane
Concen: 48.352 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 15241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.8 | 77.8 |
| 127 | 9.0 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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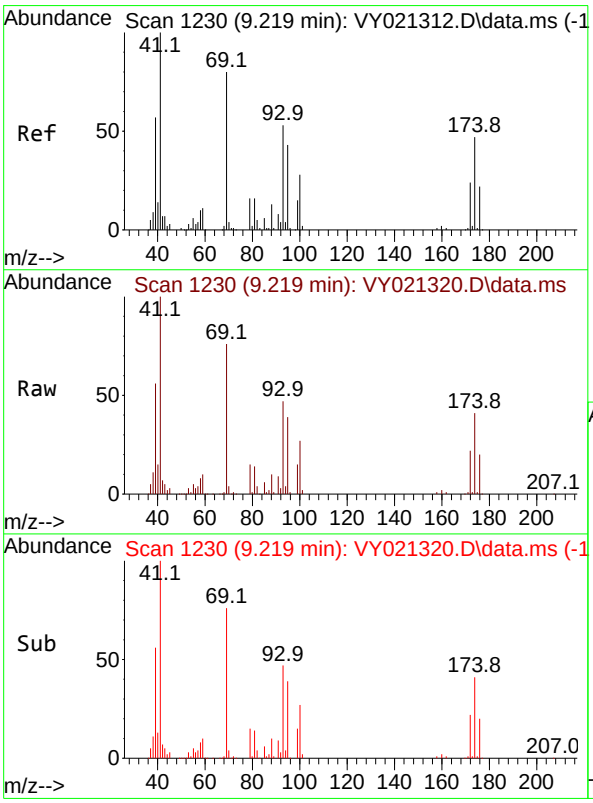
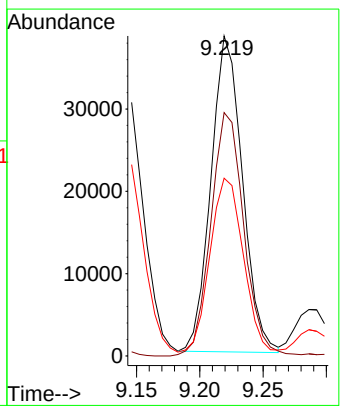
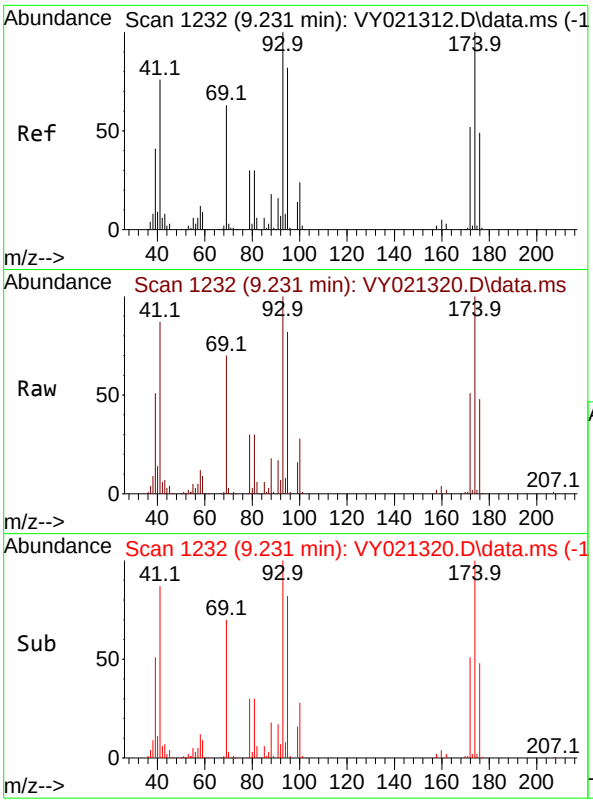



#48
Methyl methacrylate
Concen: 48.481 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 66362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.7 | 63.3 | 94.9 |
| 39 | 58.6 | 45.0 | 67.6 |






#49
1,4-Dioxane
Concen: 944.605 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 88 Resp: 1241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.7 | 34.8 | 52.2 |
| 58 | 74.3 | 59.8 | 89.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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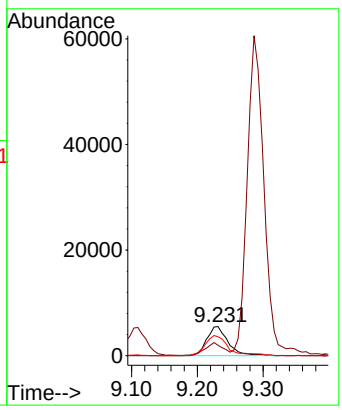
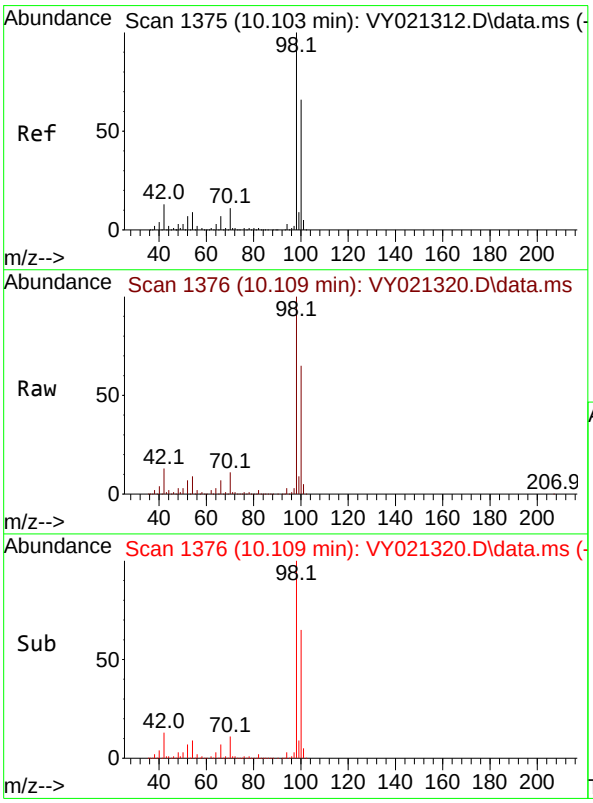
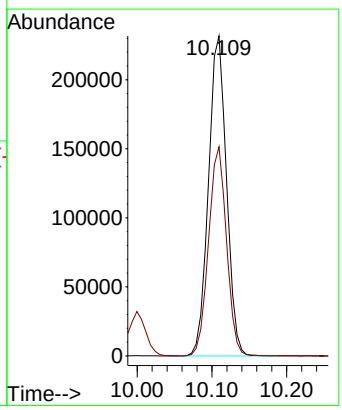


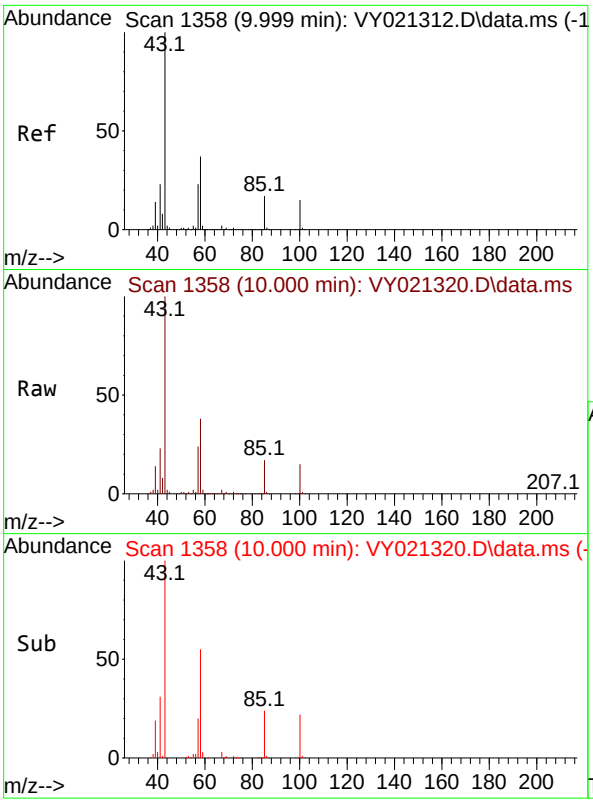




#50
Toluene-d8
Concen: 49.599 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 98 Resp: 387966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 52.4 | 78.6 |

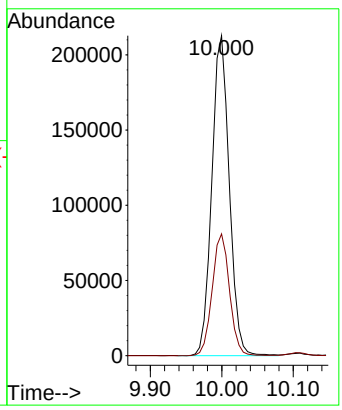





#51
4-Methyl-2-Pentanone
Concen: 240.853 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 36089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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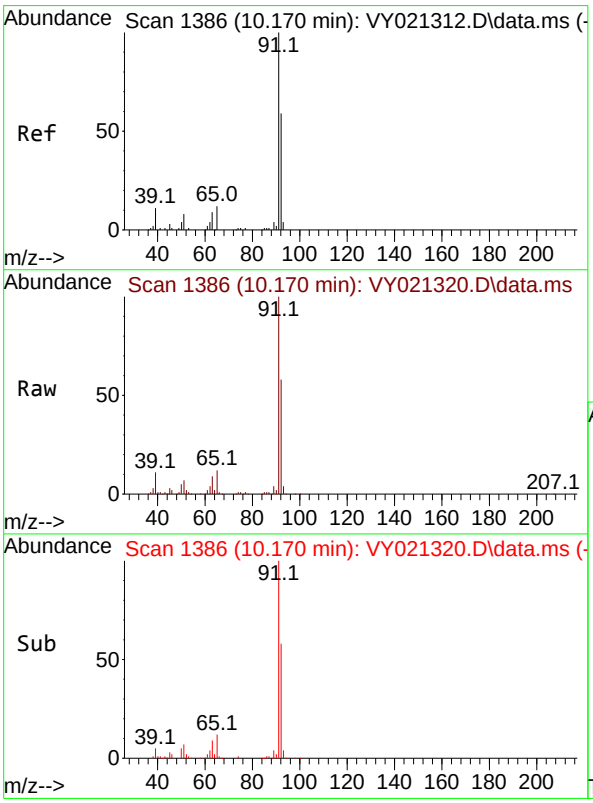
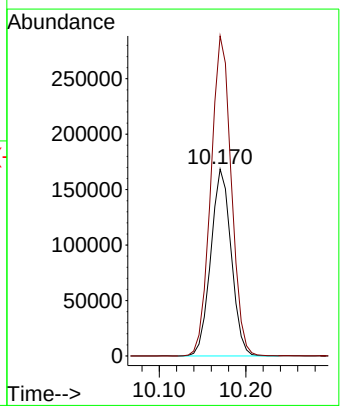
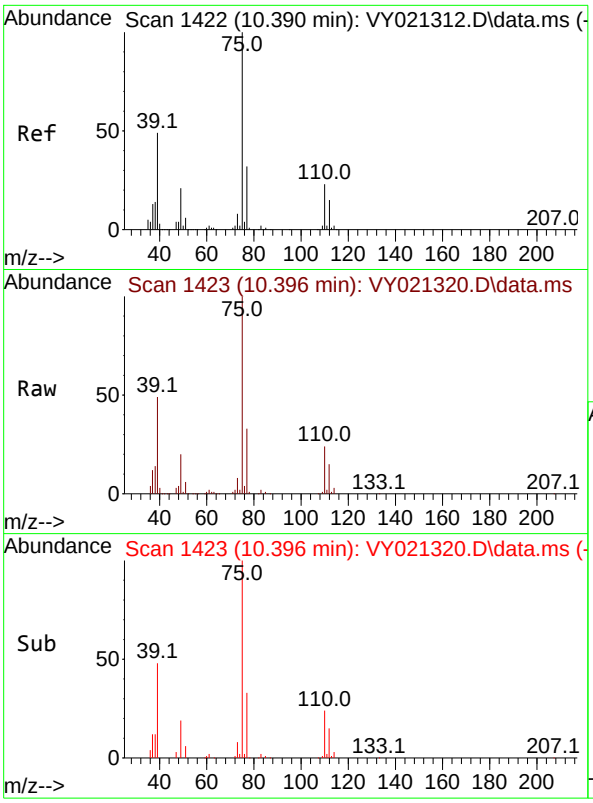



#52
Toluene
Concen: 49.351 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 92 Resp: 275527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.3 | 137.8 | 206.8 |

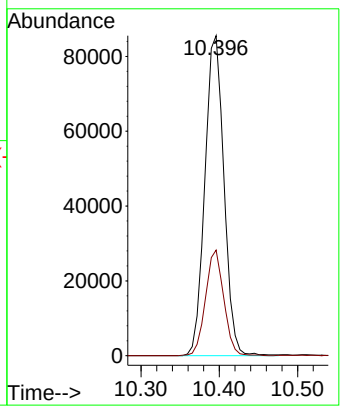





#53
t-1,3-Dichloropropene
Concen: 49.988 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 14436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.0 | 25.3 | 37.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

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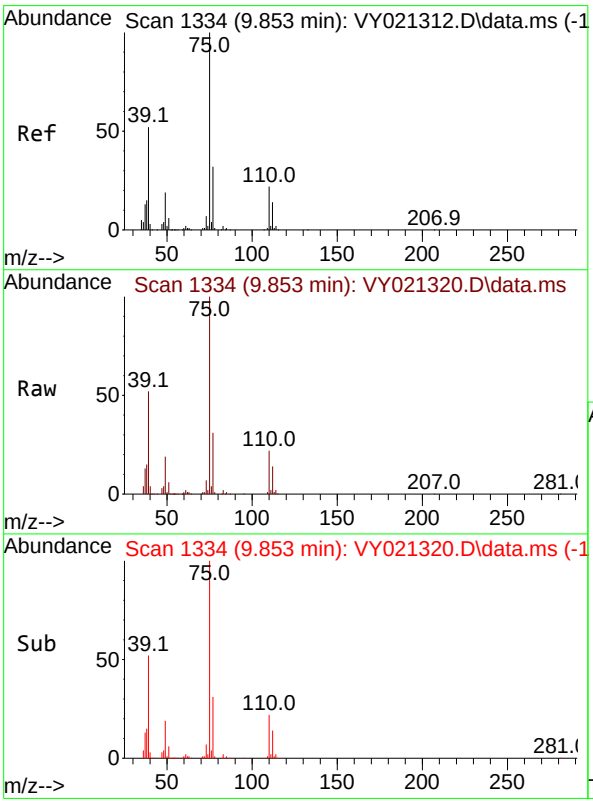
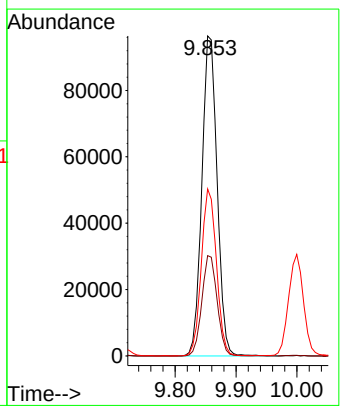
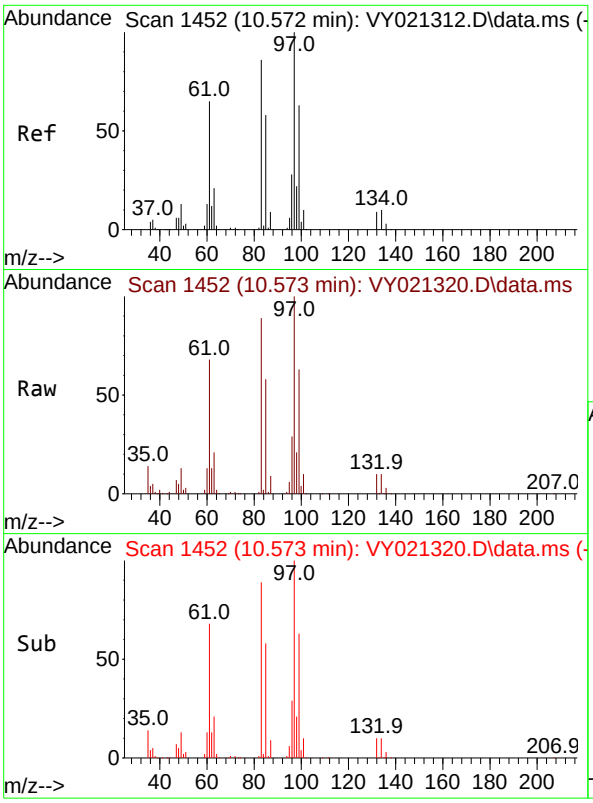



#54
cis-1,3-Dichloropropene
Concen: 49.192 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 167718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.7 | 38.5 |
| 39 | 52.1 | 41.8 | 62.6 |

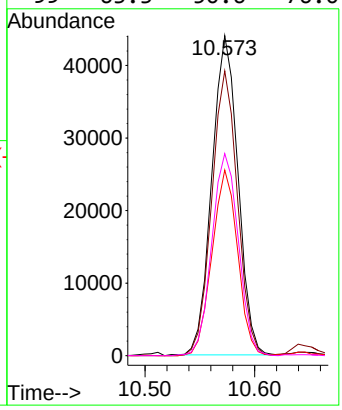





#55
1,1,2-Trichloroethane
Concen: 47.334 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 97 Resp: 7289

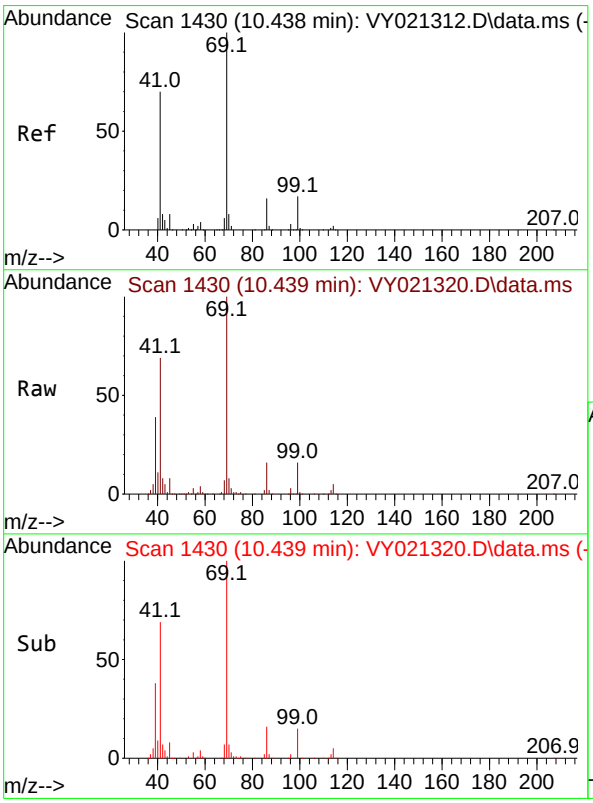
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.2 | 68.7 | 103.1 |
| 85 | 58.2 | 46.3 | 69.5 |
| 99 | 63.3 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

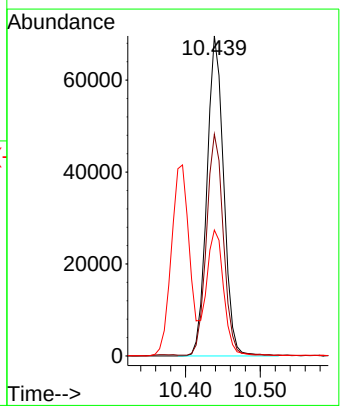
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

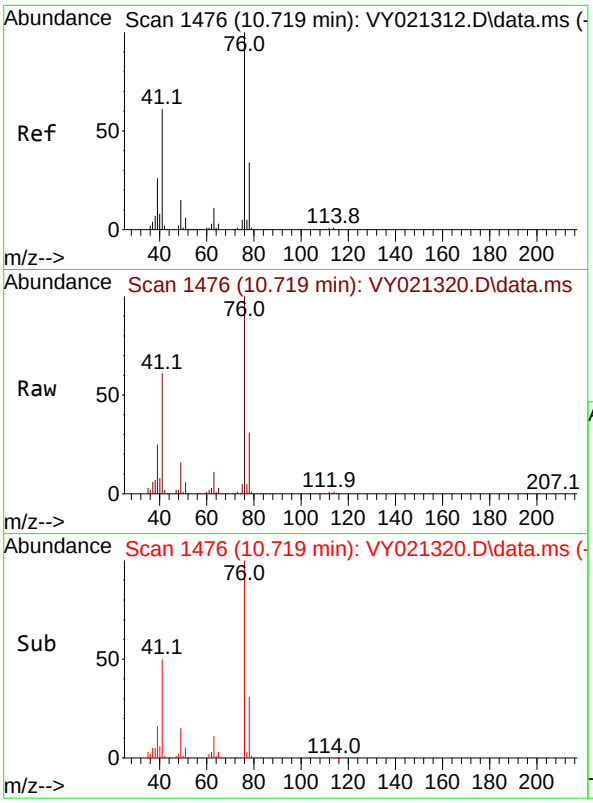



#56
Ethyl methacrylate
Concen: 50.979 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 69 Resp: 108485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.2 | 56.2 | 84.4 |
| 39 | 41.3 | 32.7 | 49.1 |

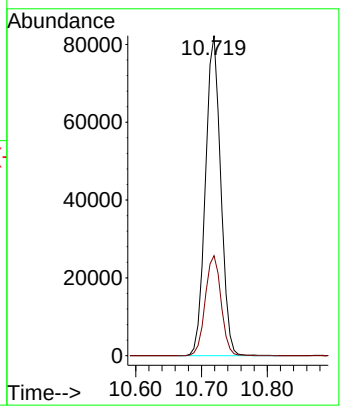





#57
1,3-Dichloropropane
Concen: 49.183 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 76 Resp: 13291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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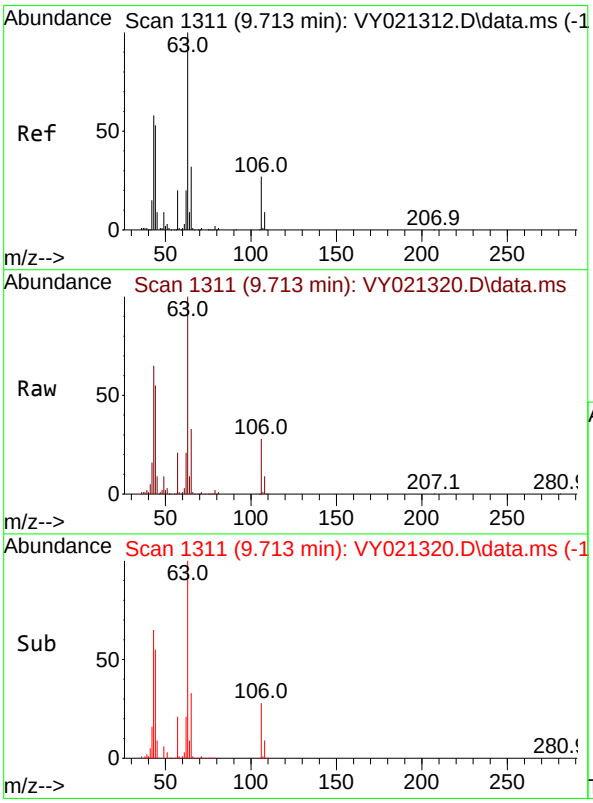
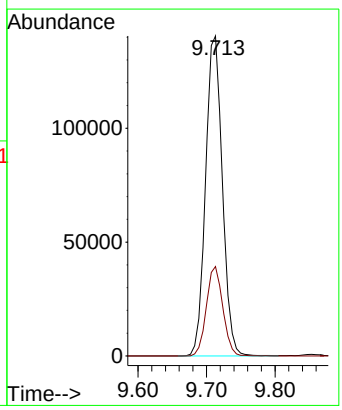
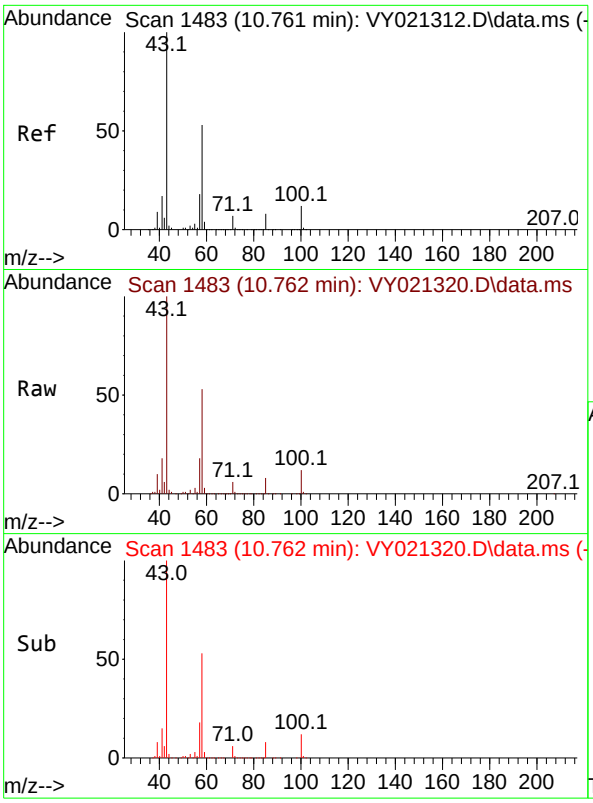



#58
2-Chloroethyl Vinyl ether
Concen: 234.614 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 239640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.3 | 21.7 | 32.5 |

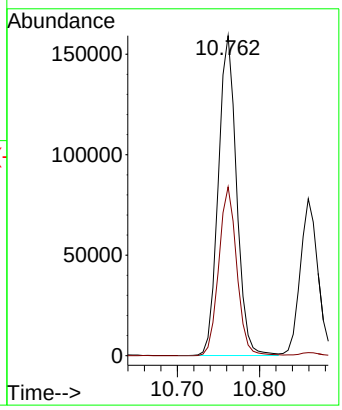





#59
2-Hexanone
Concen: 249.476 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 24550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 25.9 | 77.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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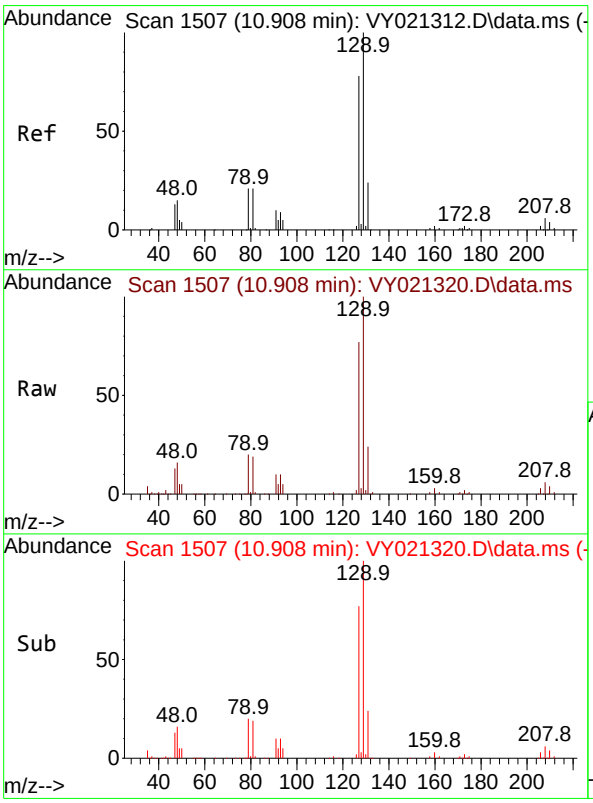
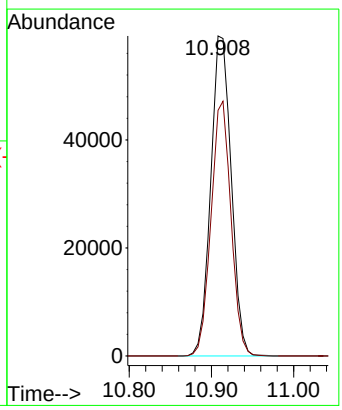
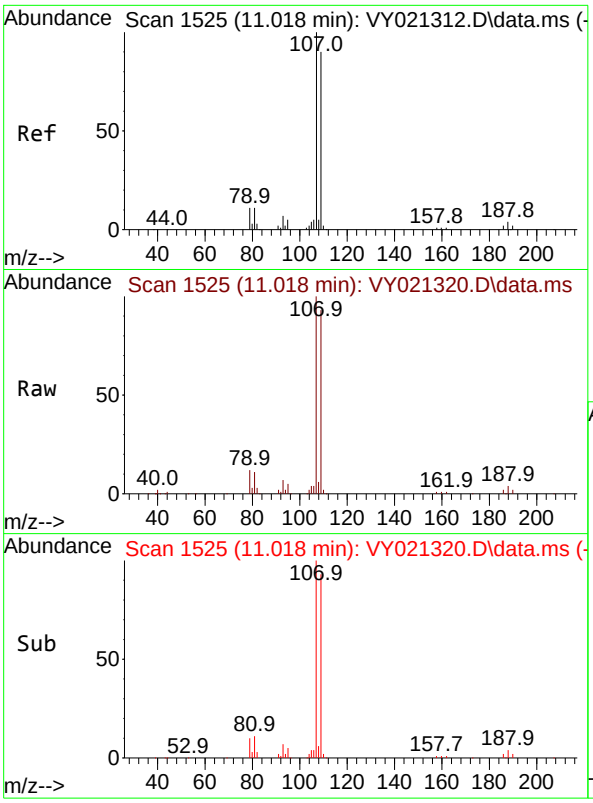



#60
Dibromochloromethane
Concen: 48.867 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:129 Resp: 102499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.5 | 38.8 | 116.4 |

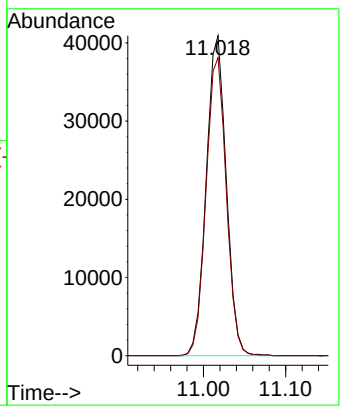





#61
1,2-Dibromoethane
Concen: 47.532 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:107 Resp: 6930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.0 | 73.8 | 110.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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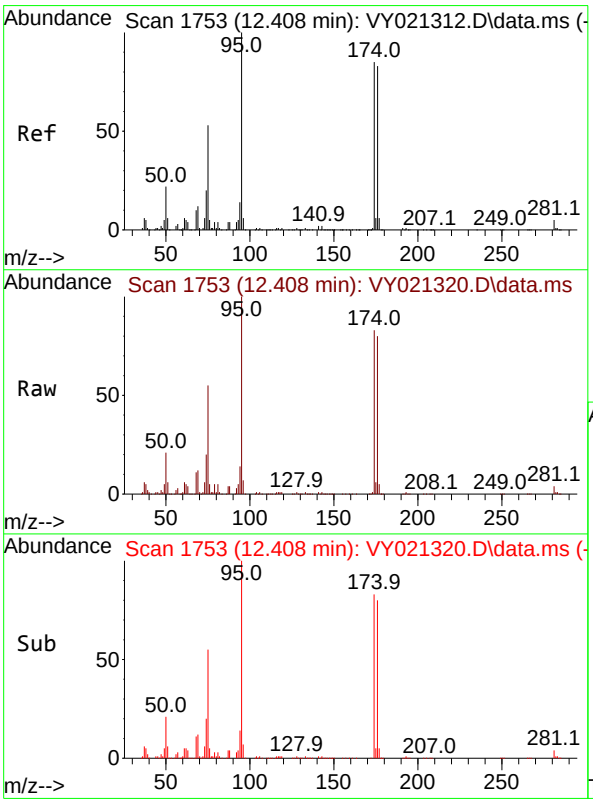
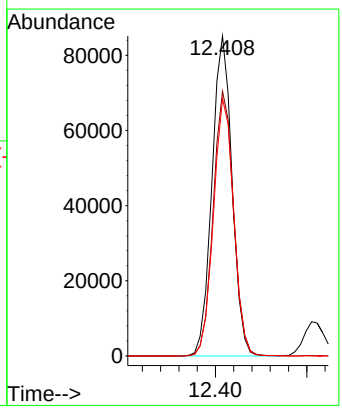
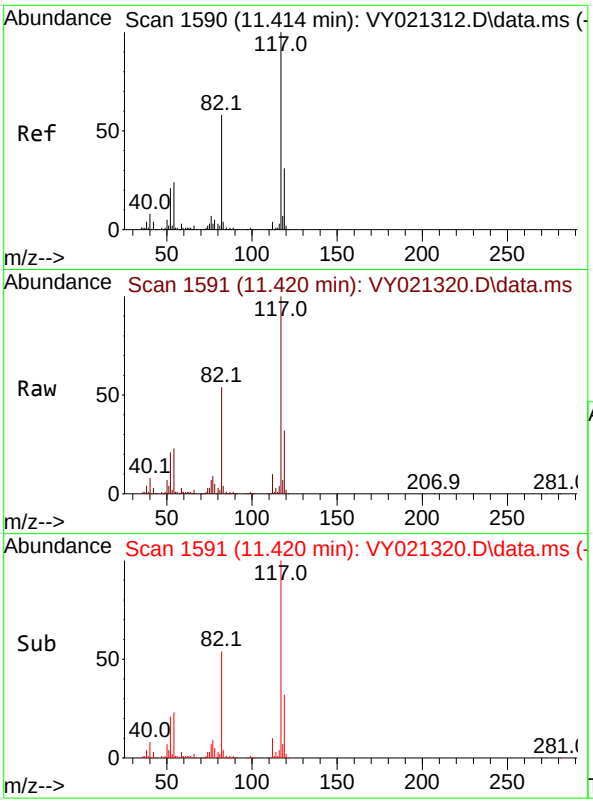



#62
4-Bromofluorobenzene
Concen: 49.290 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 95 Resp: 129754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.6 | 0.0 | 168.0 |
| 176 | 81.2 | 0.0 | 162.6 |

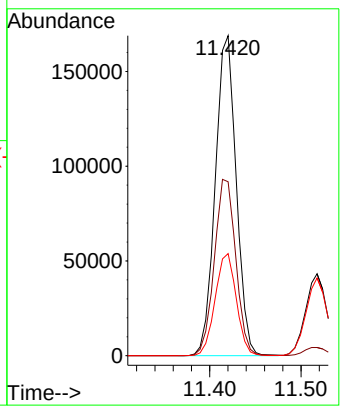





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 26880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.3 | 46.2 | 69.4 |
| 119 | 31.9 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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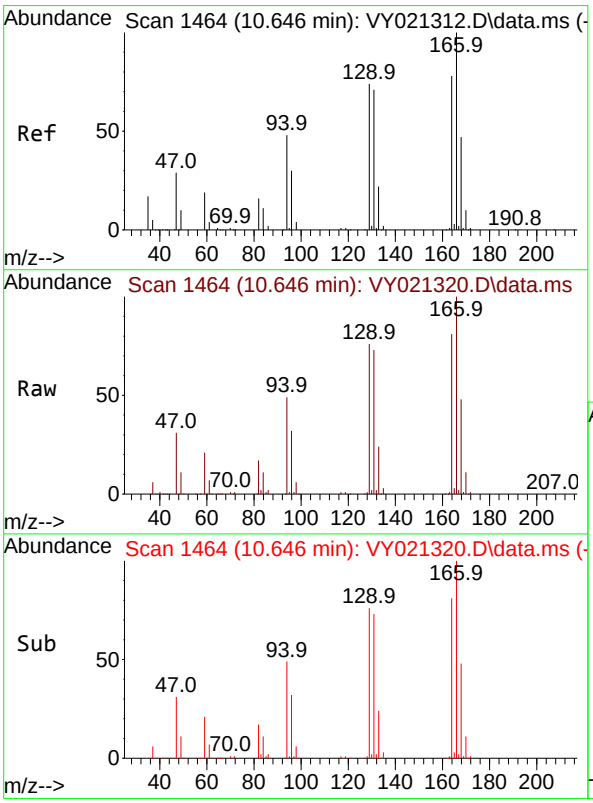
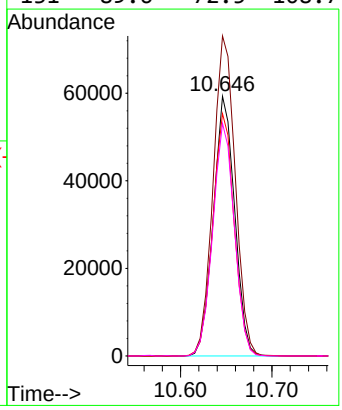
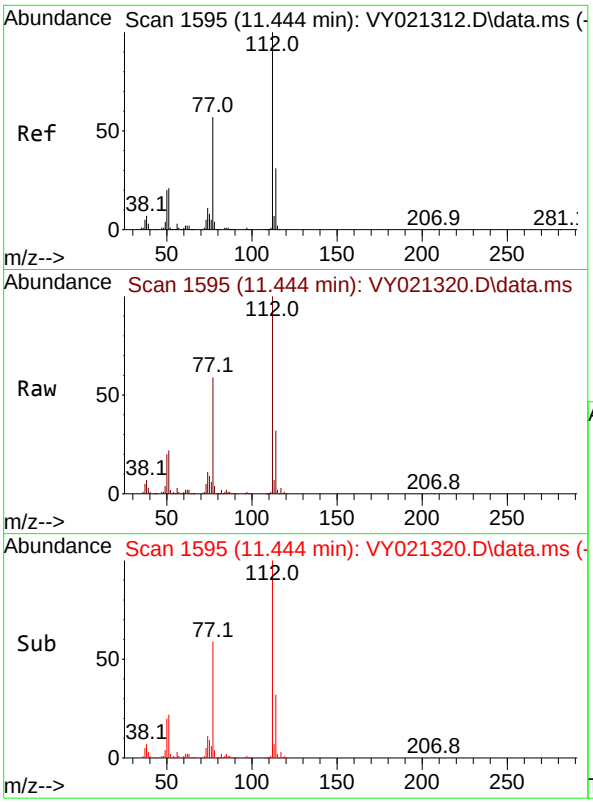



#64
Tetrachloroethene
Concen: 47.455 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:164 Resp: 96416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.2 | 101.9 | 152.9 |
| 129 | 93.3 | 75.5 | 113.3 |
| 131 | 89.6 | 72.5 | 108.7 |

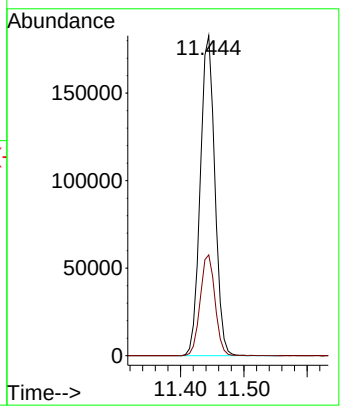





#65
Chlorobenzene
Concen: 48.625 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:112 Resp: 29339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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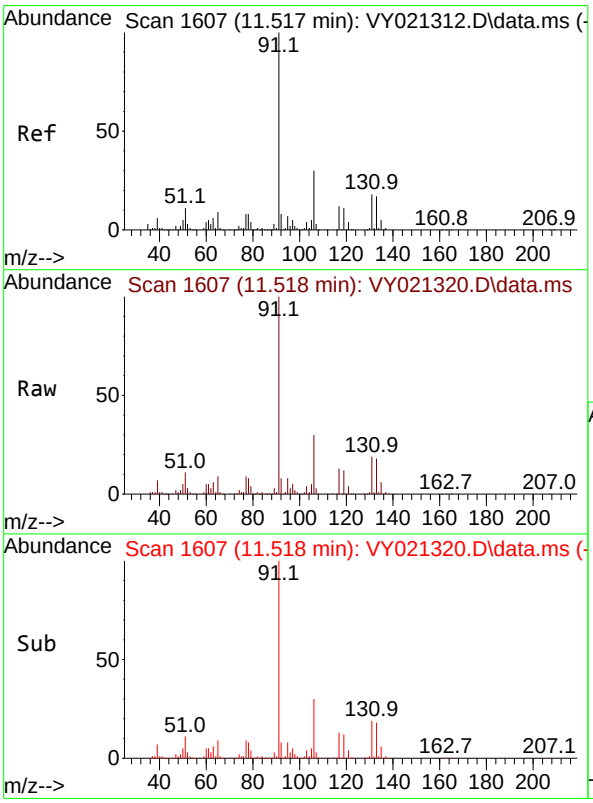
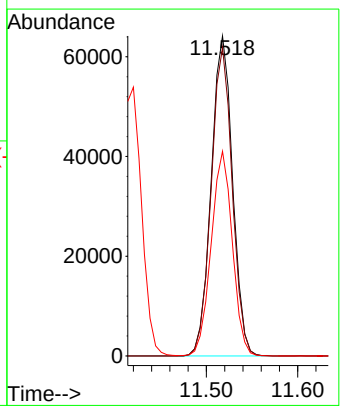
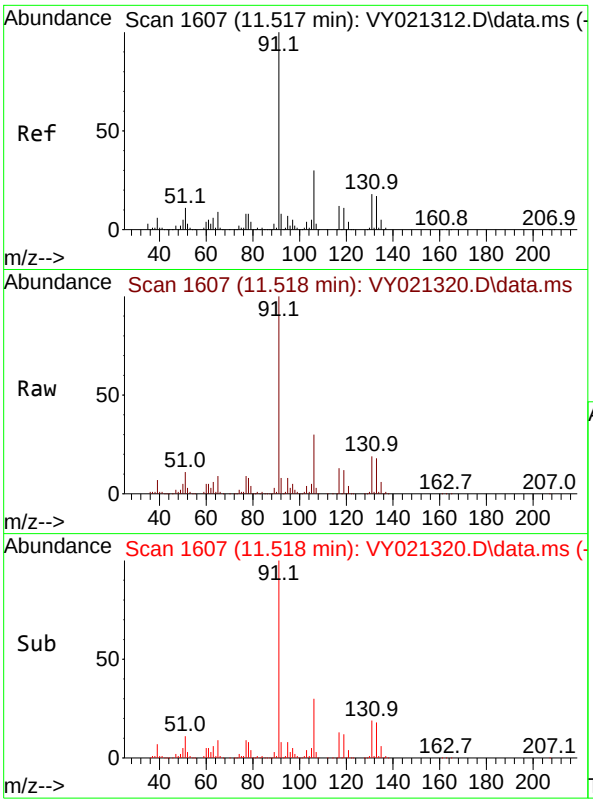



#66
1,1,1,2-Tetrachloroethane
Concen: 49.295 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:131 Resp: 104152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.9 | 143.6 |
| 119 | 63.4 | 31.7 | 95.1 |

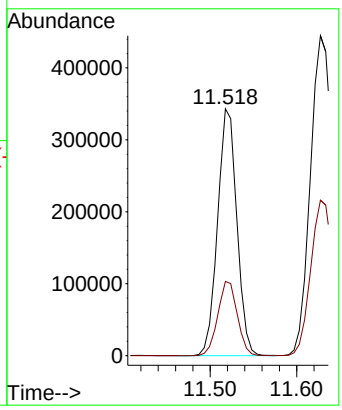





#67
Ethyl Benzene
Concen: 49.609 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 53021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 24.4 | 36.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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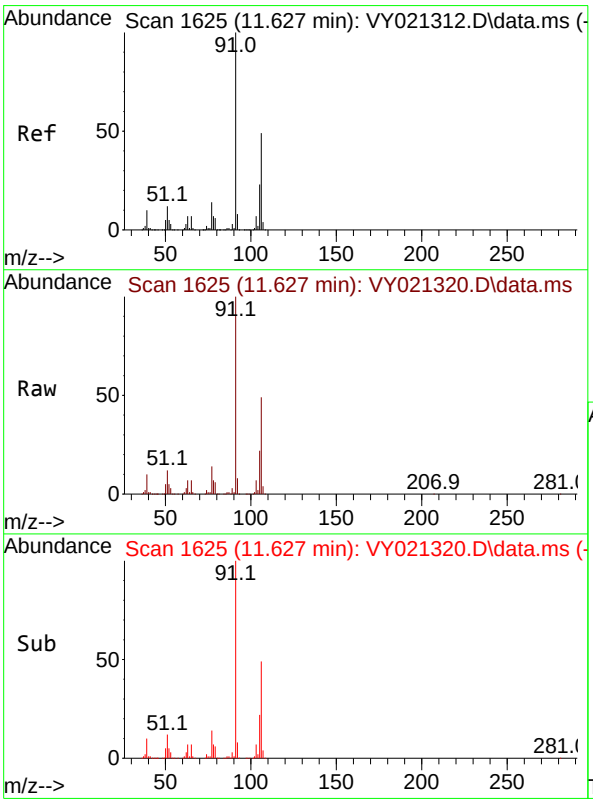
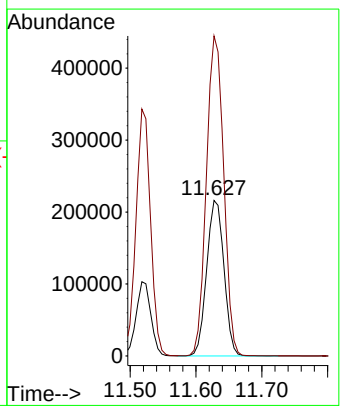
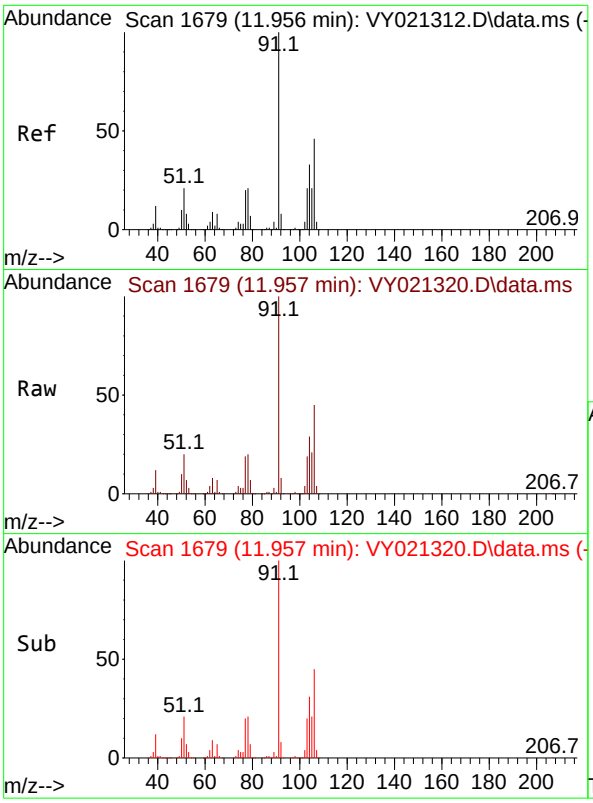



#68
m/p-Xylenes
Concen: 98.298 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:106 Resp: 395166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.2 | 163.9 | 245.9 |

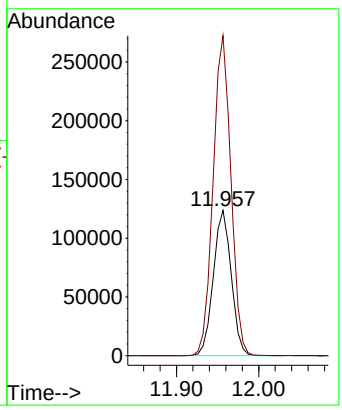





#69
o-Xylene
Concen: 49.676 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:106 Resp: 18708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.4 | 108.1 | 324.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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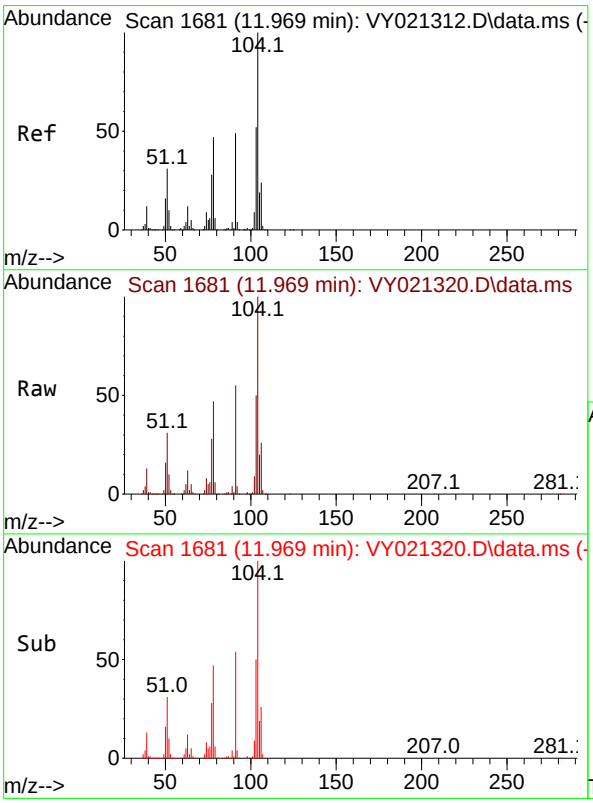
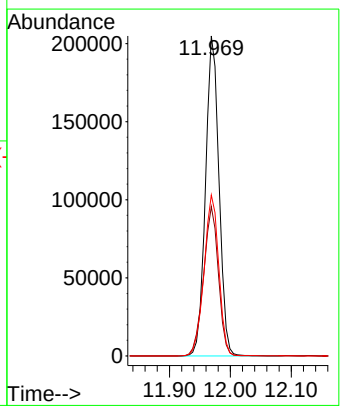
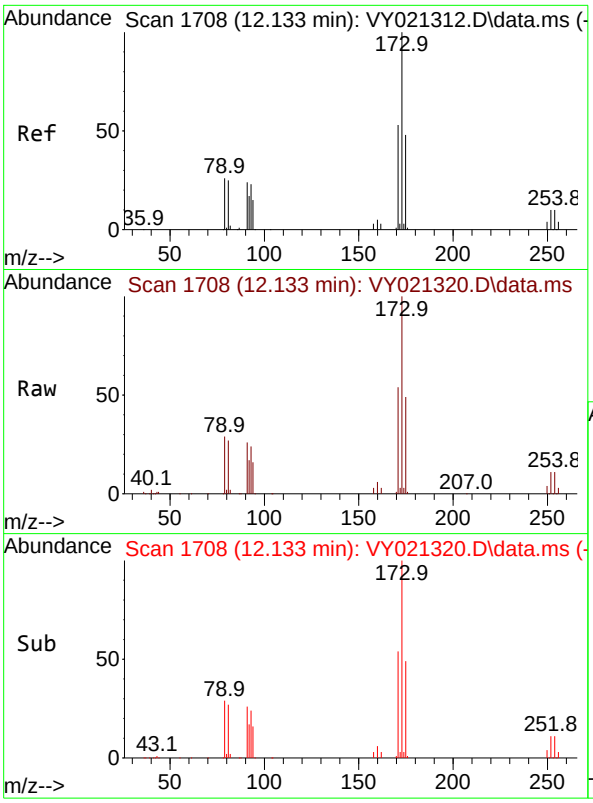



#70
Styrene
Concen: 50.431 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:104 Resp: 316002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.3 | 41.3 | 61.9 |
| 103 | 54.9 | 43.9 | 65.9 |

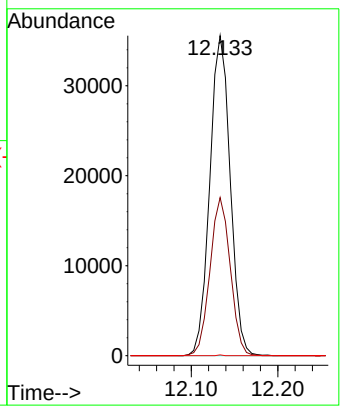





#71
Bromoform
Concen: 48.247 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:173 Resp: 5831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.1 | 72.3 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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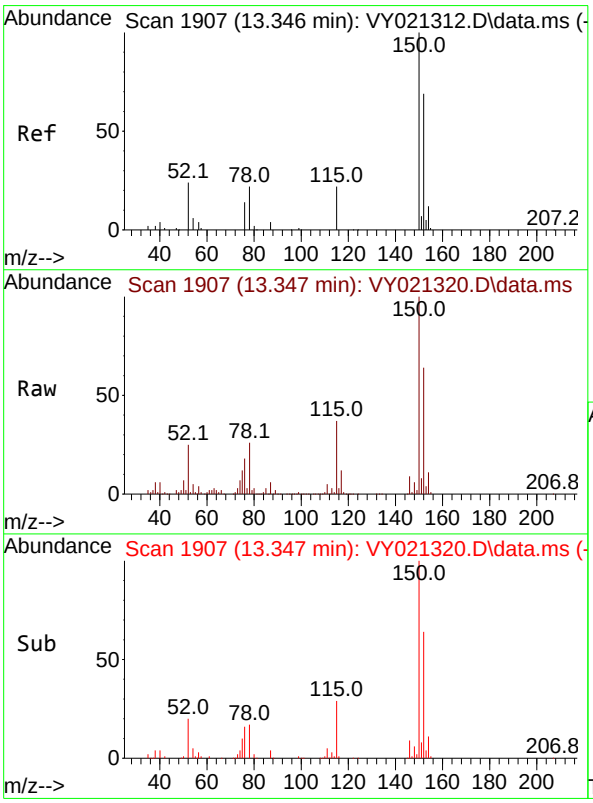
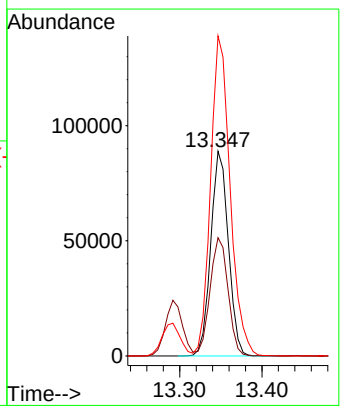
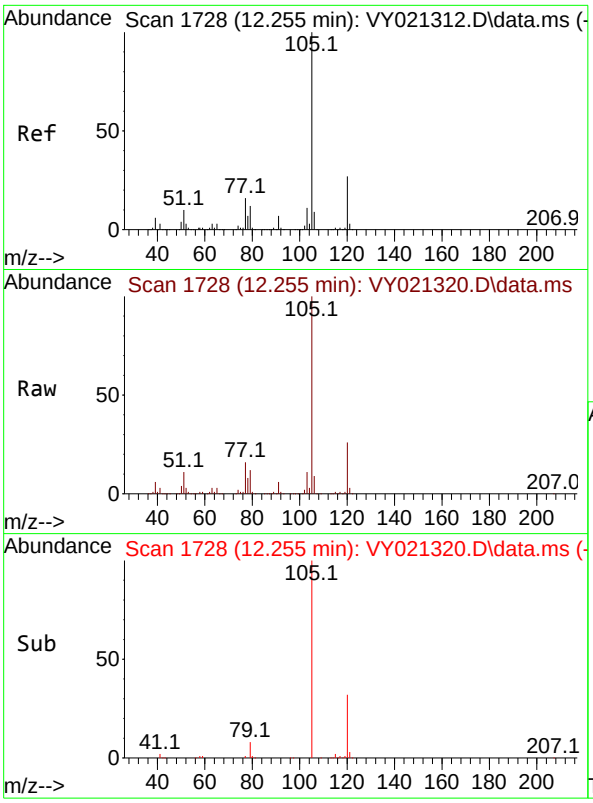



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:152 Resp: 131935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.0 | 29.3 | 88.0 |
| 150 | 173.7 | 0.0 | 347.4 |

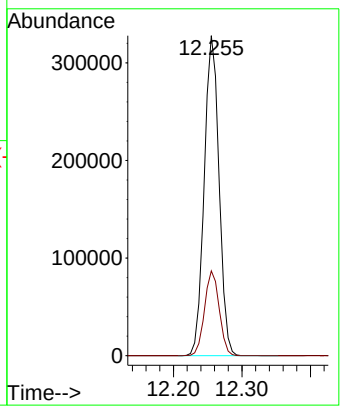





#73
Isopropylbenzene
Concen: 49.774 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 49369

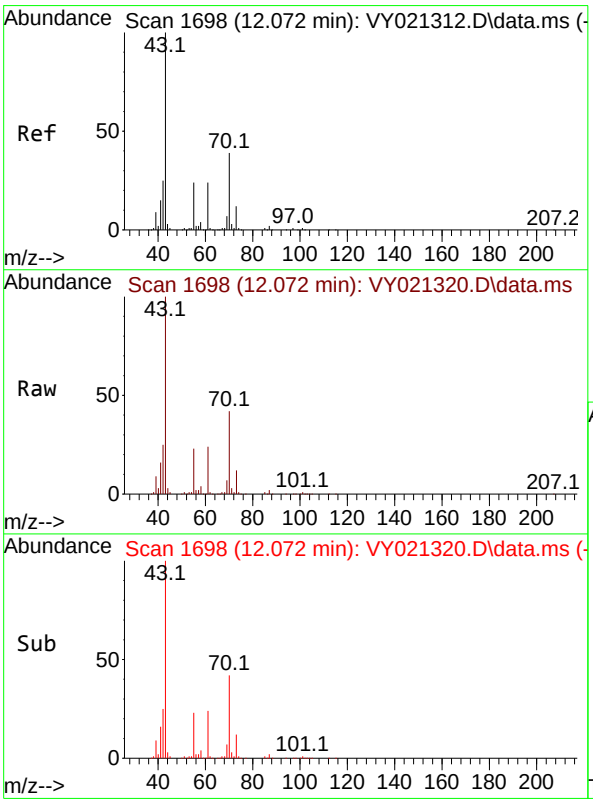
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.3 | 39.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

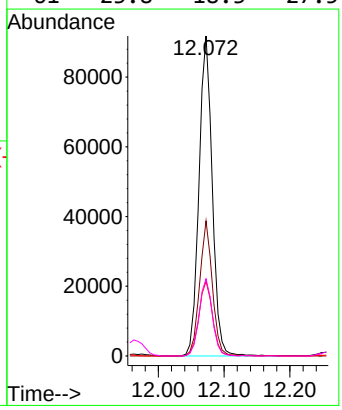
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

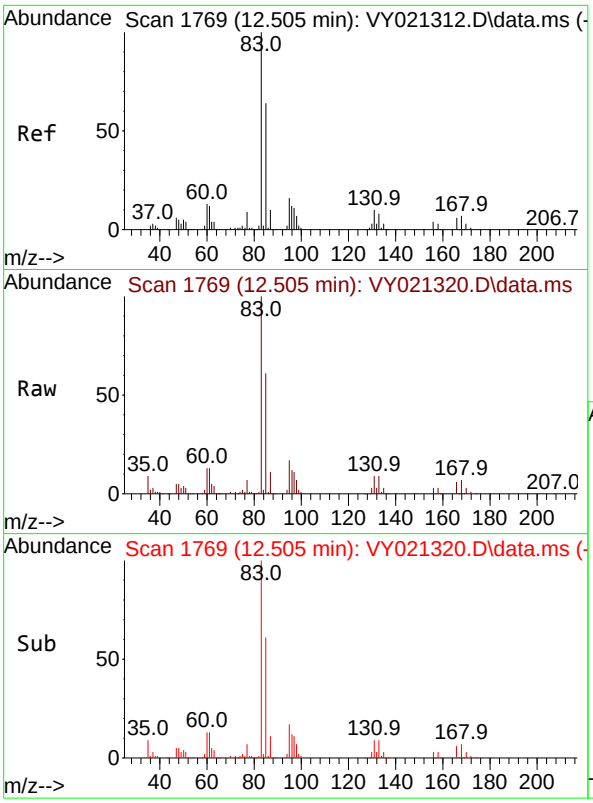



#74
N-amyl acetate
Concen: 51.162 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 128988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.4 | 32.2 | 48.2 |
| 55 | 24.1 | 19.6 | 29.4 |
| 61 | 23.8 | 18.3 | 27.5 |

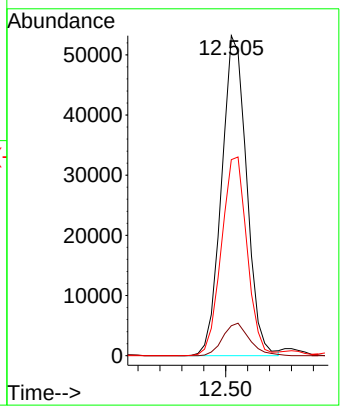





#75
1,1,2,2-Tetrachloroethane
Concen: 48.150 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 8428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 5.2 | 15.6 |
| 85 | 63.7 | 32.0 | 96.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

**Manual Integrations**
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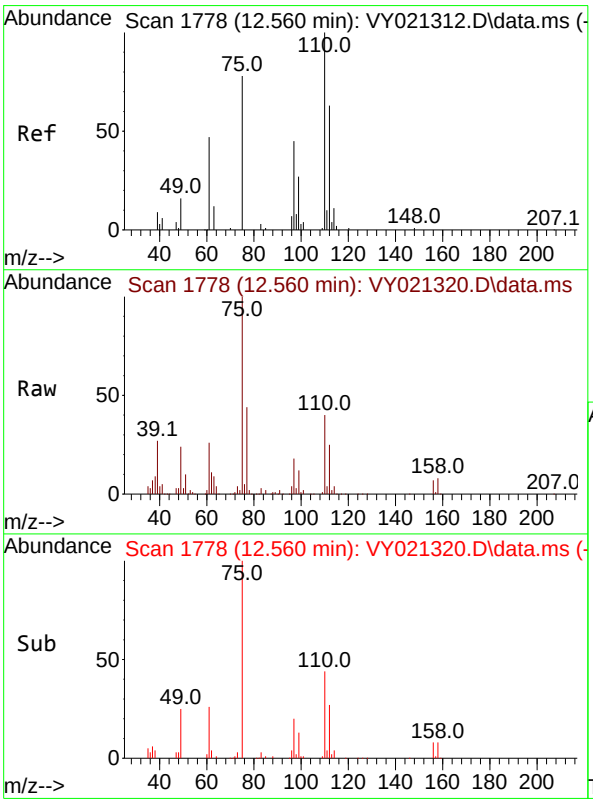
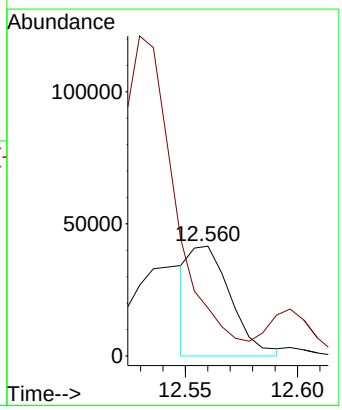
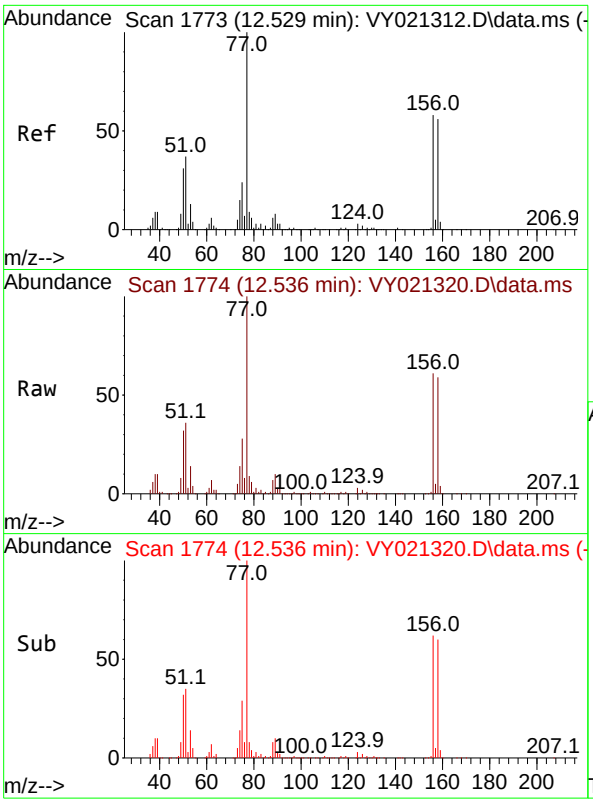



#76
1,2,3-Trichloropropane
Concen: 40.055 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 52897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

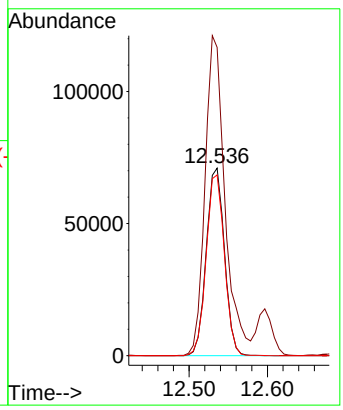





#77
Bromobenzene
Concen: 49.529 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:156 Resp: 11426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 187.3 | 94.0 | 282.1 |
| 158 | 96.8 | 48.7 | 146.1 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

**Manual Integrations**
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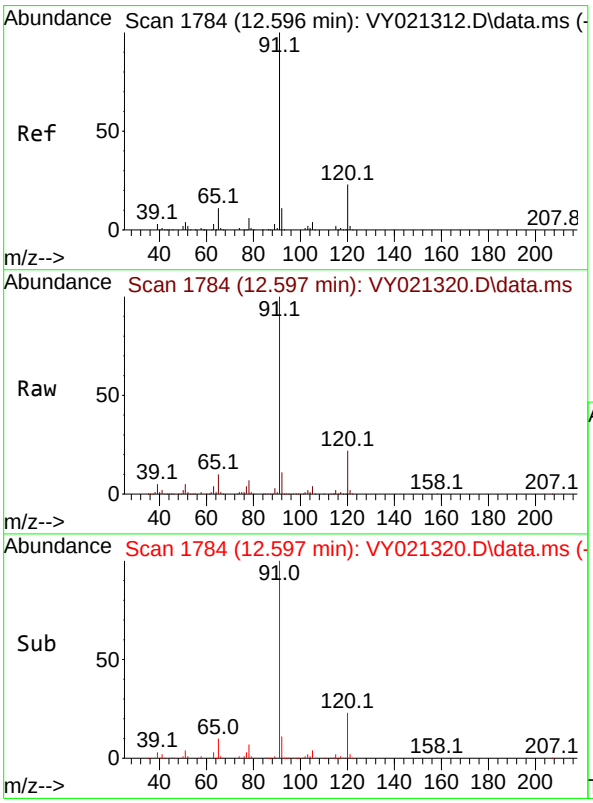
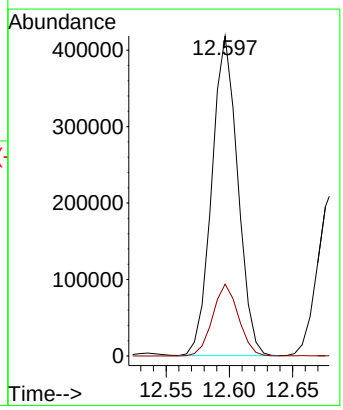
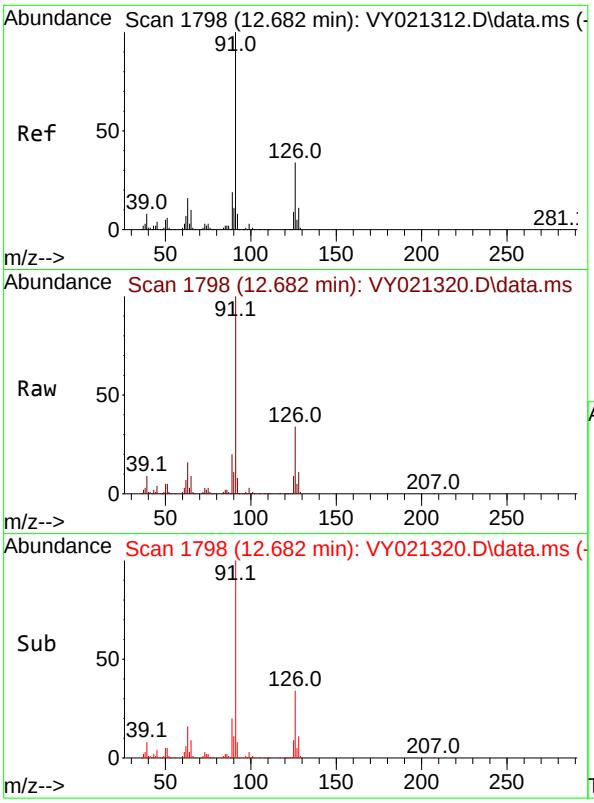



#78
n-propylbenzene
Concen: 49.510 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 595911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.2 | 33.5 |

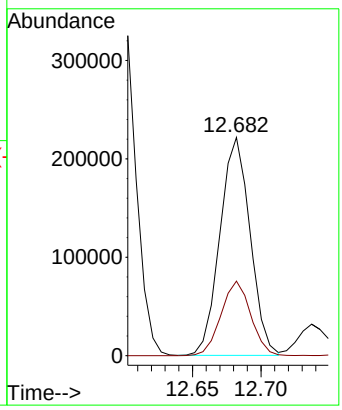





#79
2-Chlorotoluene
Concen: 49.181 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 33972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.9 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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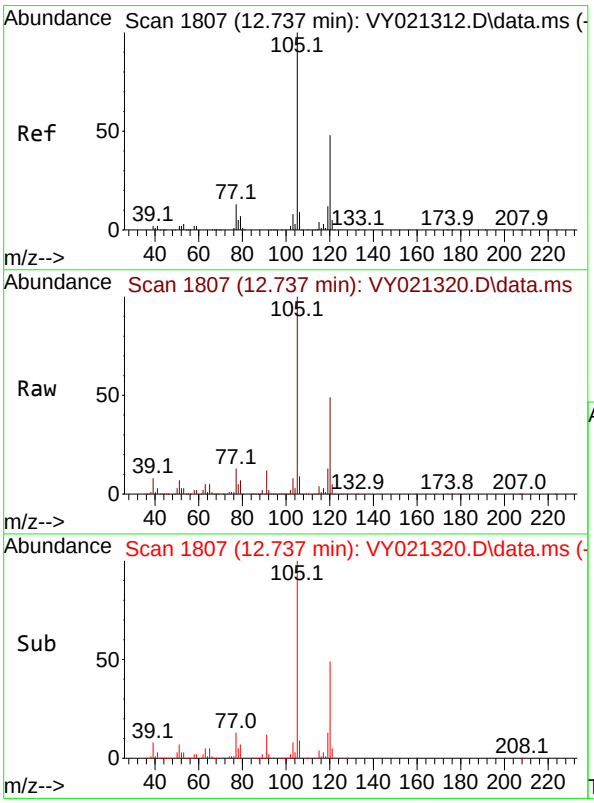
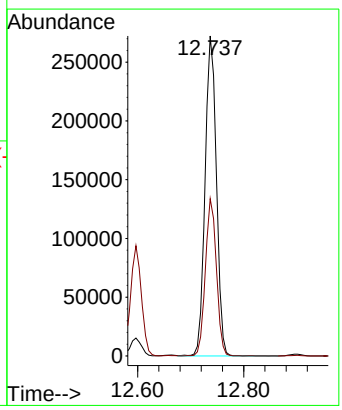
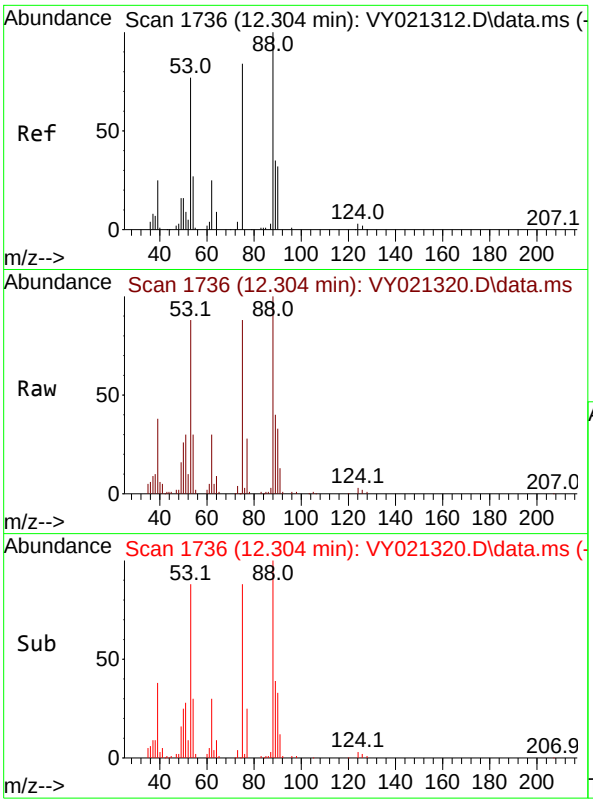



#80
1,3,5-Trimethylbenzene
Concen: 49.604 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 24.3 | 73.0 |

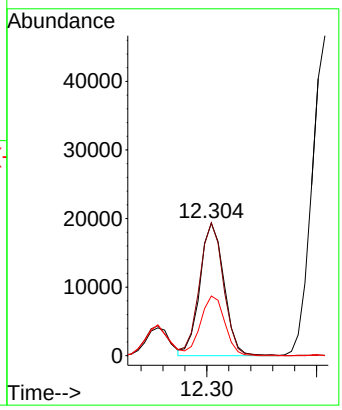





#81
trans-1,4-Dichloro-2-butene
Concen: 49.724 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 2954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 100.2 | 79.1 | 118.7 |
| 89 | 44.9 | 35.6 | 53.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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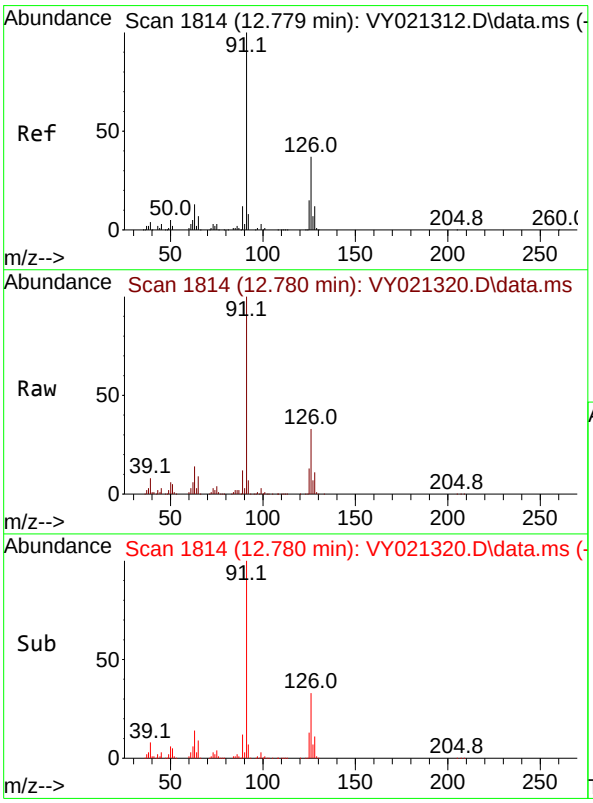
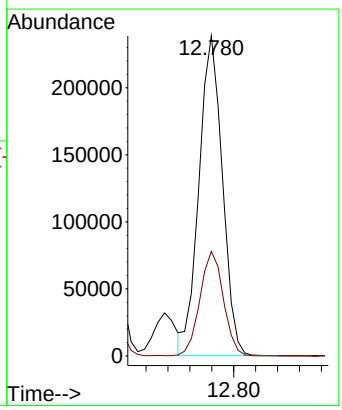
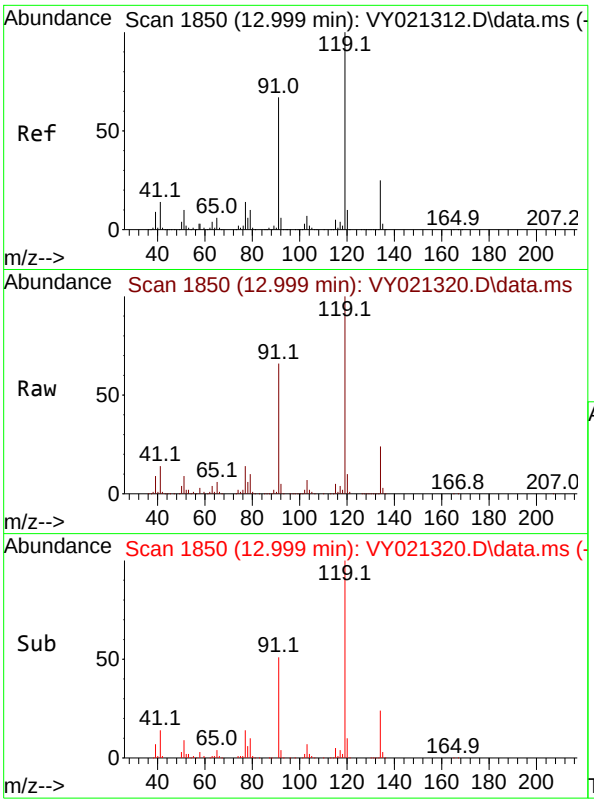



#82
4-Chlorotoluene
Concen: 49.408 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 353786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.8 | 16.8 | 50.4 |

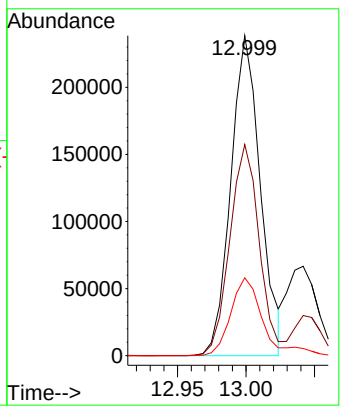





#83
tert-Butylbenzene
Concen: 48.765 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:119 Resp: 35834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.1 | 32.7 | 98.1 |
| 134 | 26.5 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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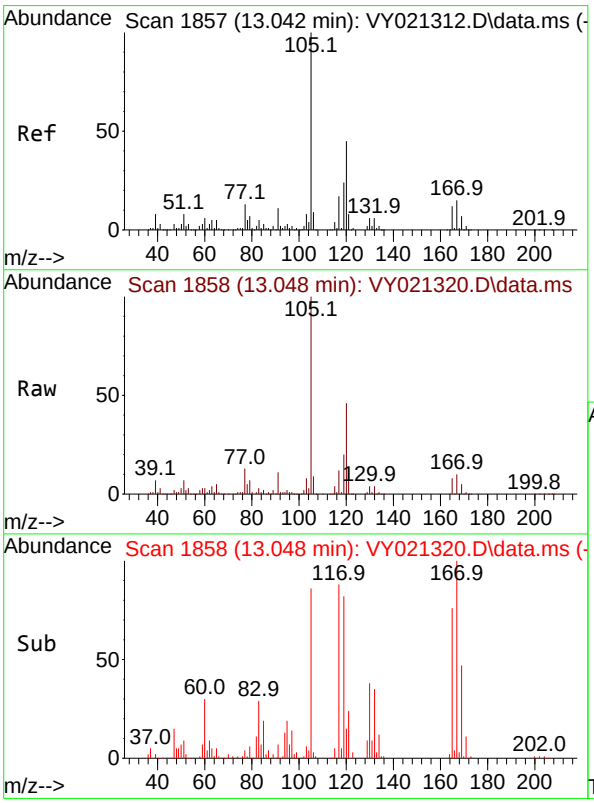
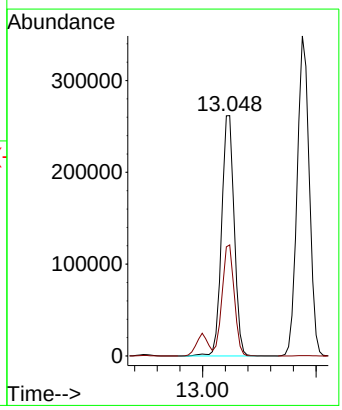
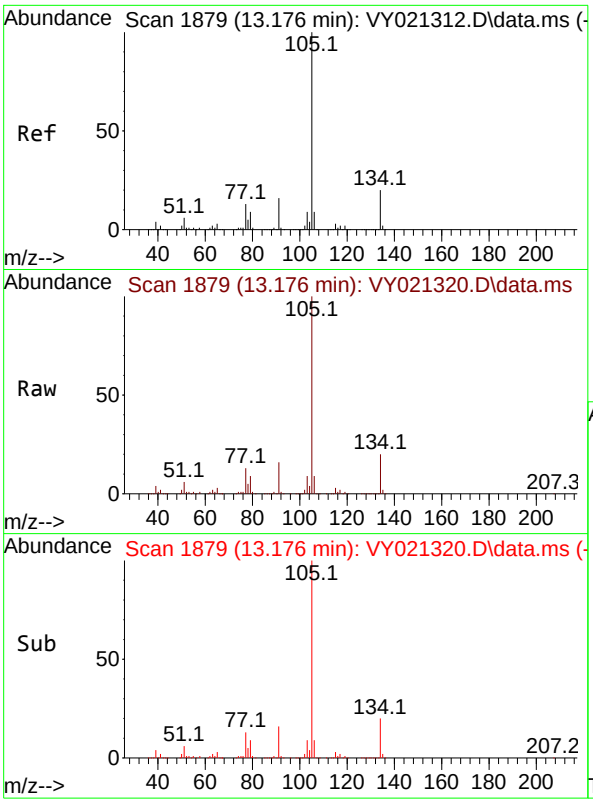



#84
1,2,4-Trimethylbenzene
Concen: 49.846 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 22.4 | 67.3 |

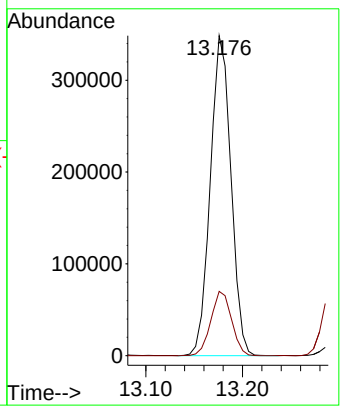





#85
sec-Butylbenzene
Concen: 48.069 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 51597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

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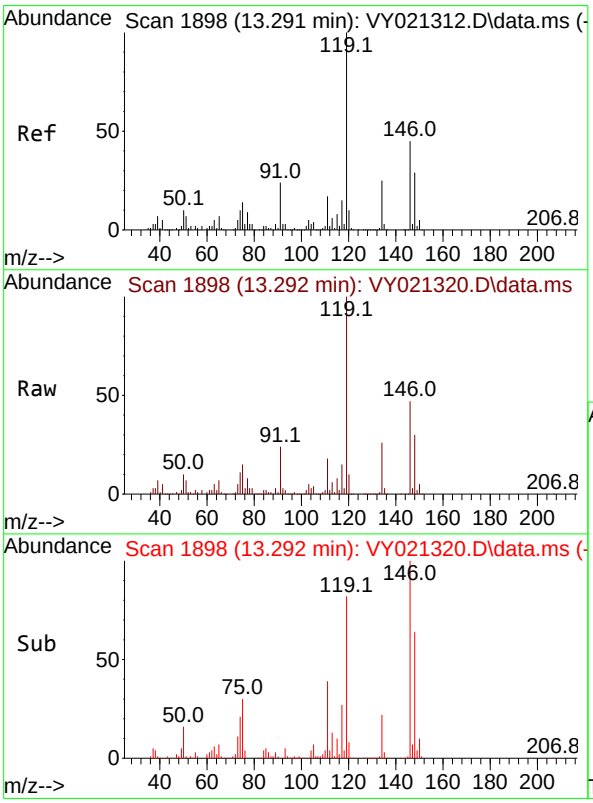
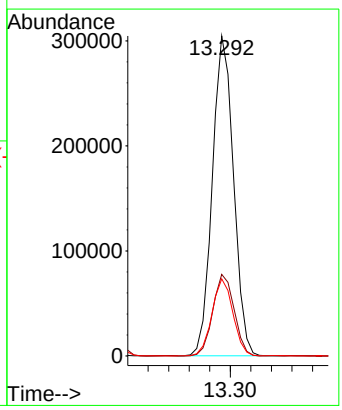
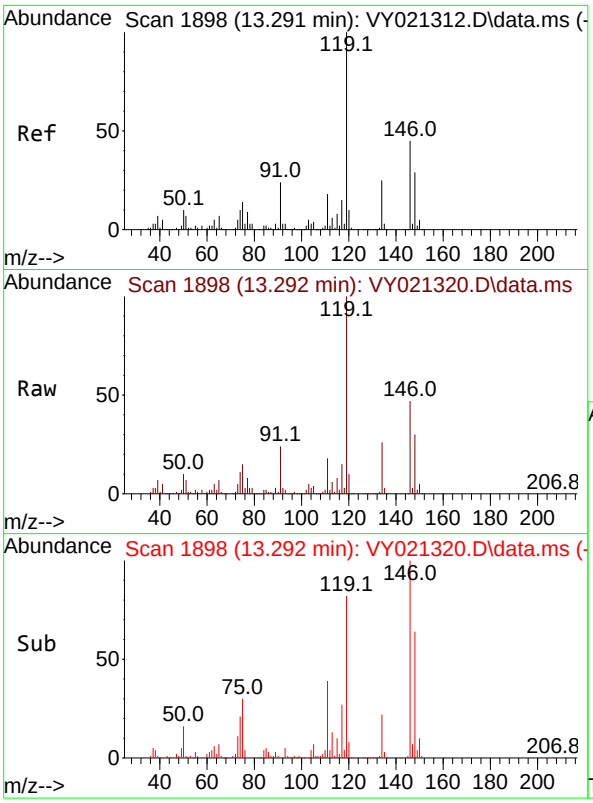



#86
p-Isopropyltoluene
Concen: 48.594 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:119 Resp: 435539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 13.0 | 38.9 |
| 91 | 23.8 | 12.0 | 36.1 |

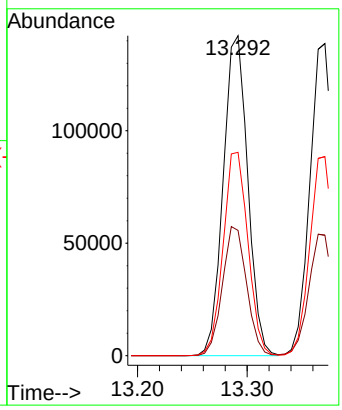





#87
1,3-Dichlorobenzene
Concen: 48.450 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 22111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.0 | 59.9 |
| 148 | 64.2 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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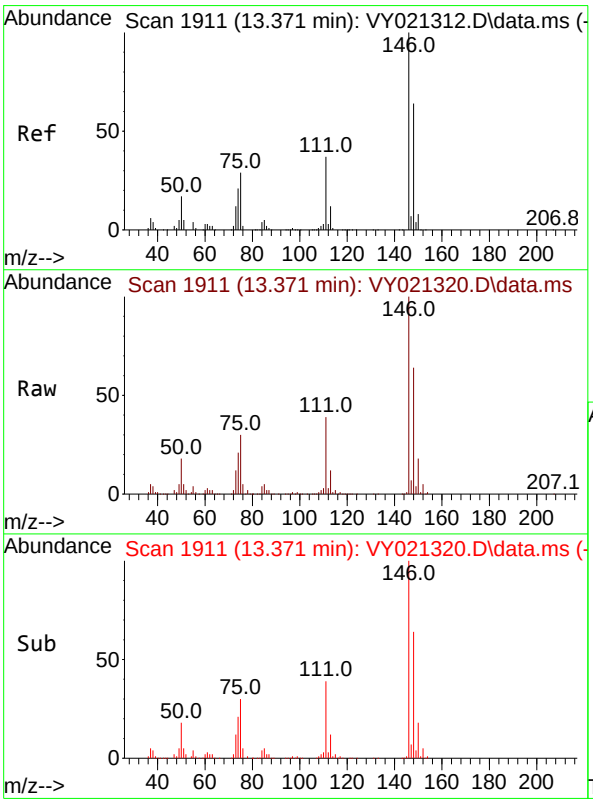
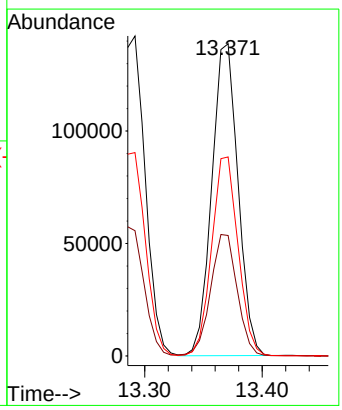
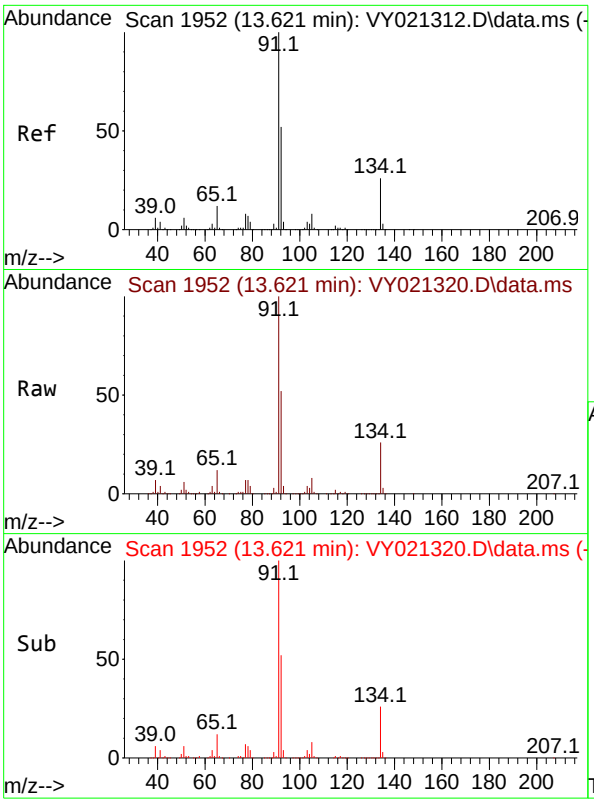



#88
1,4-Dichlorobenzene
Concen: 47.797 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 215487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.3 | 19.5 | 58.5 |
| 148 | 64.5 | 32.0 | 96.2 |

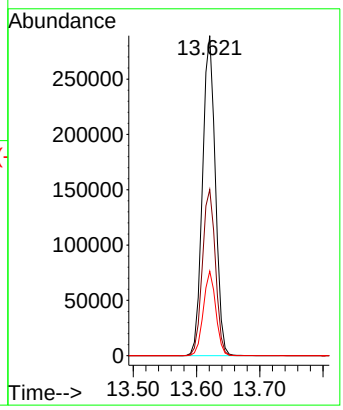





#89
n-Butylbenzene
Concen: 48.491 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 40899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 26.4 | 79.2 |
| 134 | 25.6 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050

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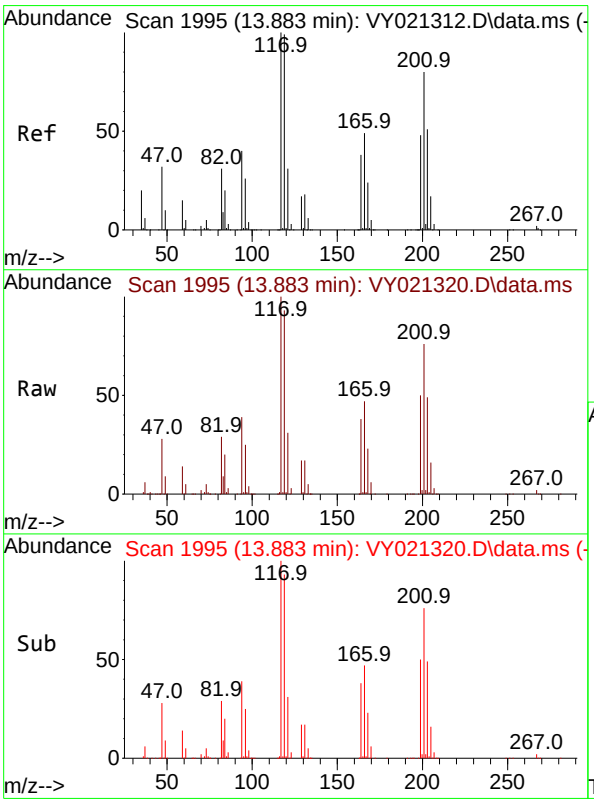
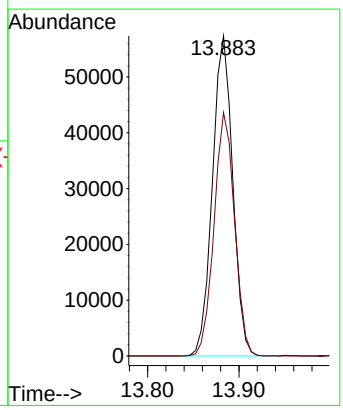
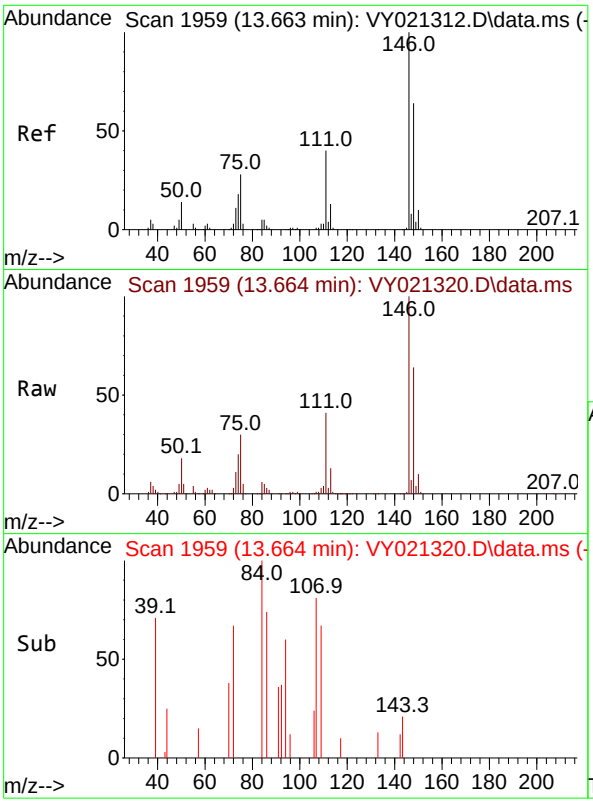



#90
Hexachloroethane
Concen: 47.306 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 88564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.8 | 38.4 | 115.2 |

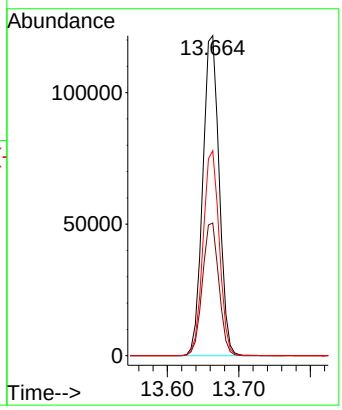





#91
1,2-Dichlorobenzene
Concen: 48.457 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 19375

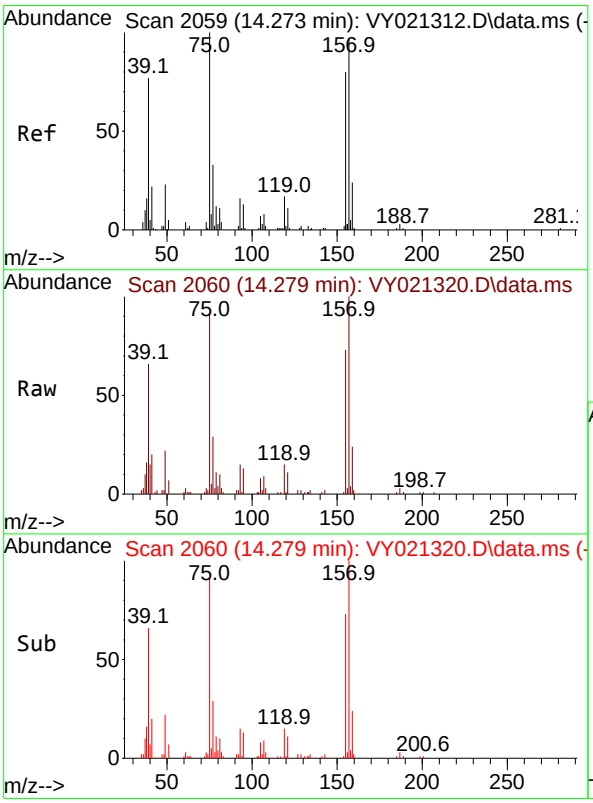
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.7 | 62.1 |
| 148 | 63.4 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

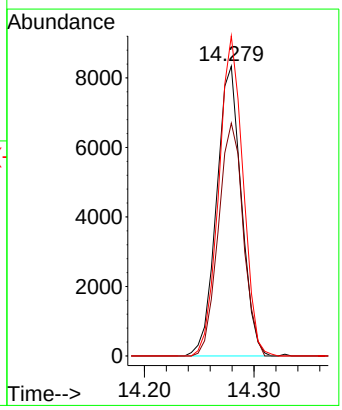
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

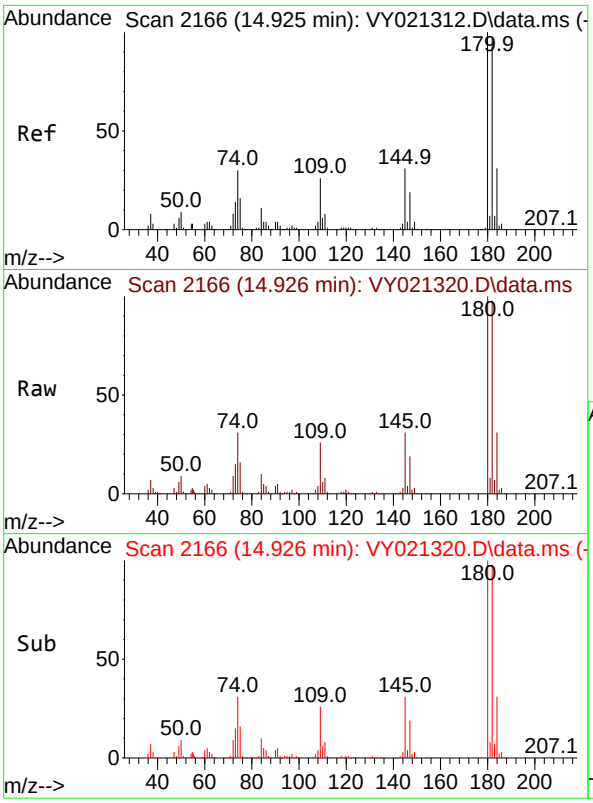



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.306 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 13100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.5 | 41.9 | 125.6 |
| 157 | 107.7 | 52.5 | 157.6 |

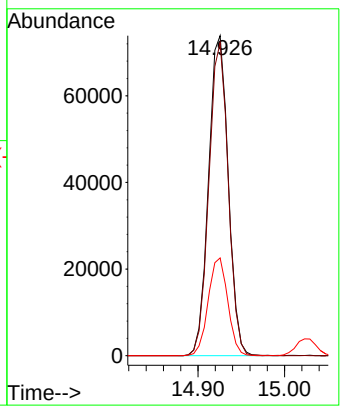





#93
1,2,4-Trichlorobenzene
Concen: 47.769 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:180 Resp: 11657

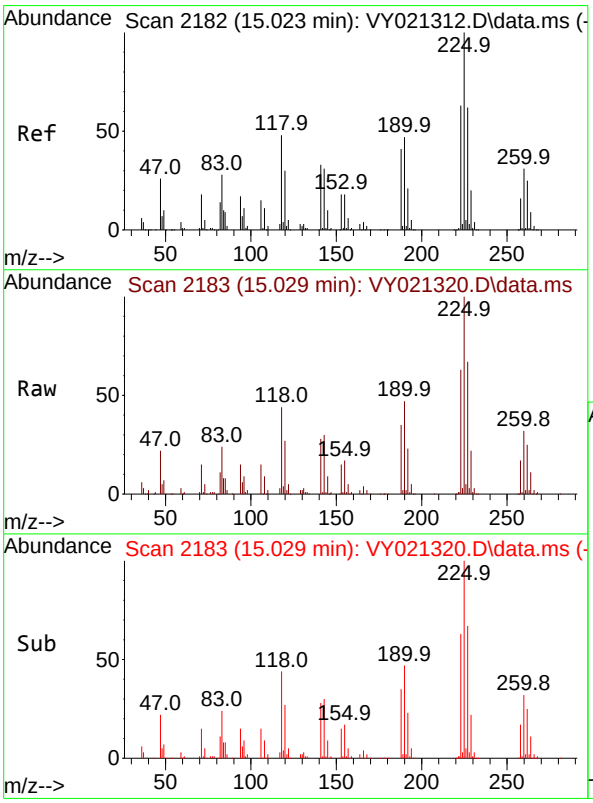
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 47.9 | 143.7 |
| 145 | 30.4 | 15.6 | 46.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

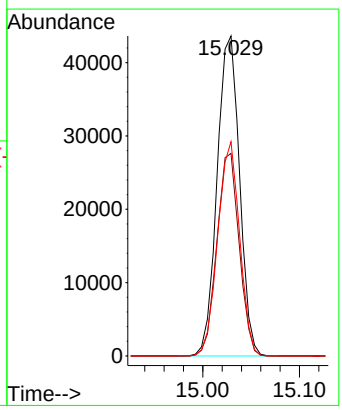
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

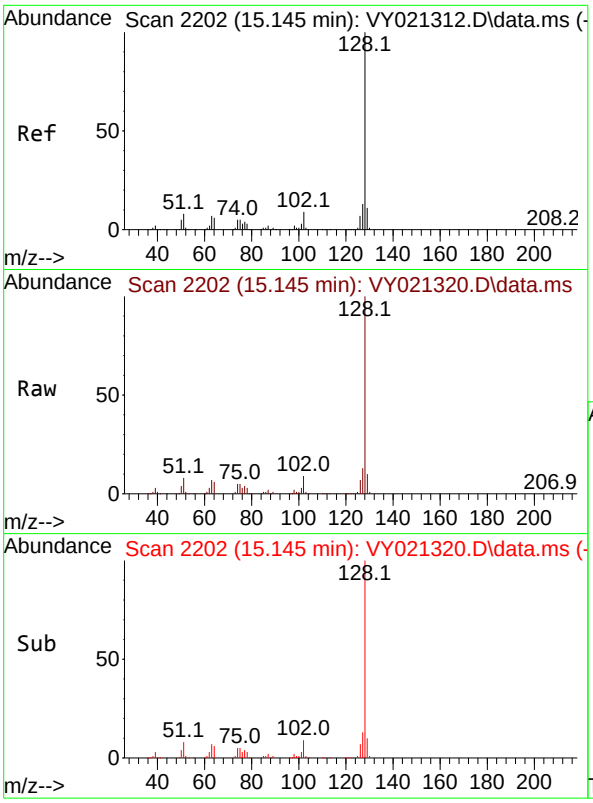



#94
Hexachlorobutadiene
Concen: 45.603 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:225 Resp: 70063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 31.8 | 95.4 |
| 227 | 65.3 | 31.9 | 95.7 |

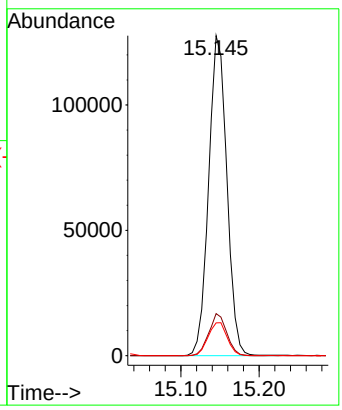





#95
Naphthalene
Concen: 50.937 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:128 Resp: 20589

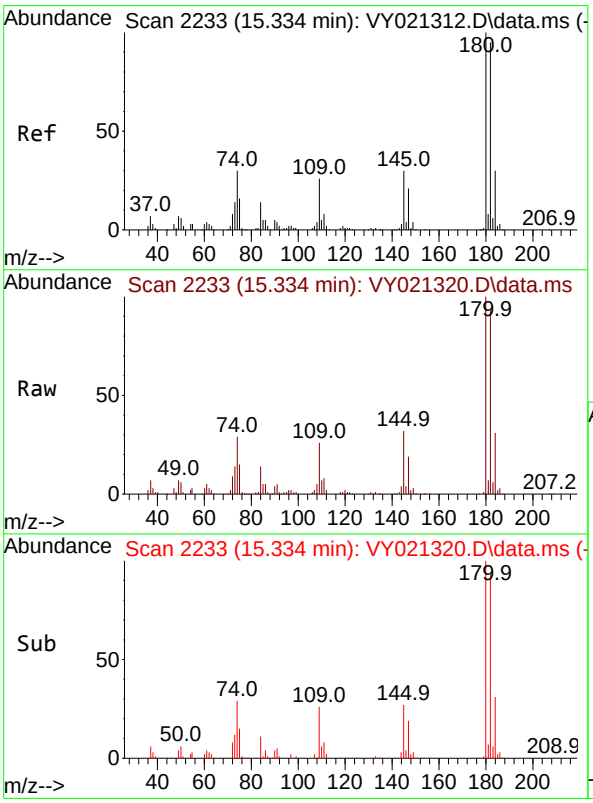
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.5 | 15.7 |
| 129 | 10.9 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

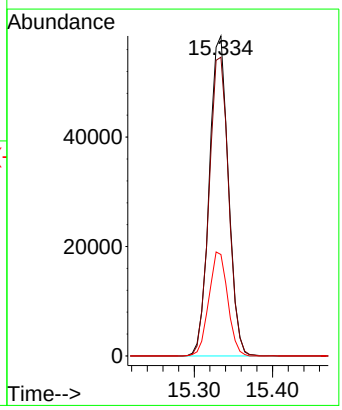
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025




#96
1,2,3-Trichlorobenzene
Concen: 47.779 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:180 Resp: 98515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 48.3 | 144.9 |
| 145 | 32.2 | 16.1 | 48.3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 0.474 | 0.442 | 6.8 | 99 | 0.00 |
| 3 | P | Chloromethane | 0.612 | 0.581 | 5.1 | 107 | 0.00 |
| 4 | C | Vinyl Chloride | 0.601 | 0.586 | 2.5# | 103 | 0.00 |
| 5 | T | Bromomethane | 0.399 | 0.370 | 7.3 | 106 | 0.00 |
| 6 | T | Chloroethane | 0.373 | 0.363 | 2.7 | 103 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.908 | 0.866 | 4.6 | 102 | 0.00 |
| 8 | T | Diethyl Ether | 0.272 | 0.270 | 0.7 | 104 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.525 | 0.496 | 5.5 | 102 | 0.00 |
| 10 | T | Methyl Iodide | 0.553 | 0.577 | -4.3 | 100 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.044 | 0.035 | 20.5 | 97 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.503 | 0.487 | 3.2# | 104 | 0.00 |
| 13 | T | Acrolein | 0.033 | 0.006 | 81.8# | 94 | 0.00 |
| 14 | T | Allyl chloride | 0.892 | 0.896 | -0.4 | 107 | 0.00 |
| 15 | T | Acrylonitrile | 0.120 | 0.117 | 2.5 | 101 | 0.00 |
| 16 | T | Acetone | 0.109 | 0.113 | -3.7 | 98 | 0.00 |
| 17 | T | Carbon Disulfide | 1.671 | 1.628 | 2.6 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 0.266 | 0.257 | 3.4 | 103 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.329 | 1.308 | 1.6 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 0.588 | 0.533 | 9.4 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.554 | 0.540 | 2.5 | 104 | 0.00 |
| 22 | T | Diisopropyl ether | 1.846 | 1.862 | -0.9 | 105 | 0.00 |
| 23 | T | Vinyl Acetate | 1.103 | 1.099 | 0.4 | 102 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.040 | 1.021 | 1.8 | 104 | 0.00 |
| 25 | T | 2-Butanone | 0.164 | 0.162 | 1.2 | 98 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.944 | 0.929 | 1.6 | 106 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.632 | 0.633 | -0.2 | 105 | 0.00 |
| 28 | T | Bromochloromethane | 0.460 | 0.435 | 5.4 | 106 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.107 | 0.102 | 4.7 | 99 | 0.00 |
| 30 | C | Chloroform | 1.054 | 1.038 | 1.5# | 105 | 0.00 |
| 31 | T | Cyclohexane | 1.000 | 0.922 | 7.8 | 103 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.960 | 0.936 | 2.5 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.567 | 0.544 | 4.1 | 109 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.328 | 0.320 | 2.4 | 111 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.492 | 0.475 | 3.5 | 104 | 0.00 |
| 37 | T | Ethyl Acetate | 0.245 | 0.236 | 3.7 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.554 | 0.536 | 3.2 | 104 | 0.00 |
| 39 | T | Methylcyclohexane | 0.623 | 0.578 | 7.2 | 99 | 0.00 |
| 40 | TM | Benzene | 1.456 | 1.415 | 2.8 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 0.137 | 0.117 | 14.6 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.413 | 0.396 | 4.1 | 104 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.474 | 0.455 | 4.0 | 100 | 0.00 |
| 44 | TM | Trichloroethene | 0.364 | 0.355 | 2.5 | 105 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.341 | 2.6# | 104 | 0.00 |
| 46 | T | Dibromomethane | 0.191 | 0.185 | 3.1 | 103 | 0.00 |
| 47 | T | Bromodichloromethane | 0.511 | 0.494 | 3.3 | 103 | 0.00 |
| 48 | T | Methyl methacrylate | 0.222 | 0.215 | 3.2 | 98 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 0.002 | 0.002 | 0.0 | 102 | 0.00 |
| 50 | S | Toluene-d8 | 1.267 | 1.257 | 0.8 | 114 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.243 | 0.234 | 3.7 | 99 | 0.00 |
| 52 | CM | Toluene | 0.904 | 0.892 | 1.3# | 105 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.468 | 0.468 | 0.0 | 103 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.552 | 0.543 | 1.6 | 104 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.249 | 0.236 | 5.2 | 100 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.345 | 0.351 | -1.7 | 101 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.438 | 0.431 | 1.6 | 104 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.165 | 0.155 | 6.1 | 92 | 0.00 |
| 59 | T | 2-Hexanone | 0.159 | 0.159 | 0.0 | 98 | 0.00 |
| 60 | T | Dibromochloromethane | 0.340 | 0.332 | 2.4 | 102 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.236 | 0.224 | 5.1 | 100 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.426 | 0.420 | 1.4 | 112 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 64 | T | Tetrachloroethene | 0.378 | 0.359 | 5.0 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 1.122 | 1.091 | 2.8 | 104 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.393 | 0.387 | 1.5 | 105 | 0.00 |
| 67 | C | Ethyl Benzene | 1.988 | 1.972 | 0.8# | 104 | 0.00 |
| 68 | T | m/p-Xylenes | 0.748 | 0.735 | 1.7 | 103 | 0.00 |
| 69 | T | o-Xylene | 0.701 | 0.696 | 0.7 | 103 | 0.00 |
| 70 | T | Styrene | 1.166 | 1.176 | -0.9 | 103 | 0.00 |
| 71 | P | Bromoform | 0.225 | 0.217 | 3.6 | 99 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 73 | T | Isopropylbenzene | 3.759 | 3.742 | 0.5 | 102 | 0.00 |
| 74 | T | N-amyl acetate | 0.955 | 0.978 | -2.4 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.663 | 0.639 | 3.6 | 99 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.500 | 0.401 | 19.8 | 83 | 0.00 |
| 77 | T | Bromobenzene | 0.874 | 0.866 | 0.9 | 103 | 0.00 |
| 78 | T | n-propylbenzene | 4.561 | 4.517 | 1.0 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.618 | 2.575 | 1.6 | 103 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.083 | 3.059 | 0.8 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.225 | 0.224 | 0.4 | 100 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.714 | 2.682 | 1.2 | 103 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.785 | 2.716 | 2.5 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.066 | 3.057 | 0.3 | 102 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.068 | 3.911 | 3.9 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.397 | 3.301 | 2.8 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.730 | 1.676 | 3.1 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.709 | 1.633 | 4.4 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 3.196 | 3.100 | 3.0 | 98 | 0.00 |
| 90 | T | Hexachloroethane | 0.710 | 0.671 | 5.5 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.515 | 1.469 | 3.0 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.105 | 0.099 | 5.7 | 95 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.925 | 0.884 | 4.4 | 99 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.582 | 0.531 | 8.8 | 97 | 0.00 |
| 95 | T | Naphthalene | 1.532 | 1.561 | -1.9 | 98 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 0.781 | 0.747 | 4.4 | 98 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 46.640 | 6.7 | 99 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 47.473 | 5.1 | 107 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.798 | 2.4# | 103 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 46.361 | 7.3 | 106 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.772 | 2.5 | 103 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.701 | 4.6 | 102 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.537 | 0.9 | 104 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.169 | 5.7 | 102 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 52.212 | -4.4 | 100 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 202.221 | 19.1 | 97 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.413 | 3.2# | 104 | 0.00 |
| 13 | T | Acrolein | 250.000 | 42.624 | 83.0# | 94 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.242 | -0.5 | 107 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 241.892 | 3.2 | 101 | 0.00 |
| 16 | T | Acetone | 250.000 | 260.267 | -4.1 | 98 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.712 | 2.6 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 48.342 | 3.3 | 103 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.206 | 1.6 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 45.263 | 9.5 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.708 | 2.6 | 104 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.442 | -0.9 | 105 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 249.197 | 0.3 | 102 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.069 | 1.9 | 104 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 246.999 | 1.2 | 98 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.191 | 1.6 | 106 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.053 | -0.1 | 105 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.247 | 5.5 | 106 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 238.435 | 4.6 | 99 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.253 | 1.5# | 105 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.094 | 7.8 | 103 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.795 | 2.4 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.987 | 4.0 | 109 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 113 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.743 | 2.5 | 111 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.254 | 3.5 | 104 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.080 | 3.8 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.402 | 3.2 | 104 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 46.422 | 7.2 | 99 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.593 | 2.8 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 42.766 | 14.5 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.978 | 4.0 | 104 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 47.984 | 4.0 | 100 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.665 | 2.7 | 105 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.637 | 2.7# | 104 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 48.195 | 3.6 | 103 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.352 | 3.3 | 103 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.481 | 3.0 | 98 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 944.605 | 5.5 | 102 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.599 | 0.8 | 114 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 240.853 | 3.7 | 99 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.351 | 1.3# | 105 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.988 | 0.0 | 103 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.192 | 1.6 | 104 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.334 | 5.3 | 100 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 50.979 | -2.0 | 101 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.183 | 1.6 | 104 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 234.614 | 6.2 | 92 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 249.476 | 0.2 | 98 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.867 | 2.3 | 102 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 47.532 | 4.9 | 100 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.290 | 1.4 | 112 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 112 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.455 | 5.1 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.625 | 2.8 | 104 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.295 | 1.4 | 105 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.609 | 0.8# | 104 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 98.298 | 1.7 | 103 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.676 | 0.6 | 103 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.431 | -0.9 | 103 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.247 | 3.5 | 99 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 108 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.774 | 0.5 | 102 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.162 | -2.3 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.150 | 3.7 | 99 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 40.055 | 19.9 | 83 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.529 | 0.9 | 103 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.510 | 1.0 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.181 | 1.6 | 103 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.604 | 0.8 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.724 | 0.6 | 100 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.408 | 1.2 | 103 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.765 | 2.5 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.846 | 0.3 | 102 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.069 | 3.9 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.594 | 2.8 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.450 | 3.1 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.797 | 4.4 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.491 | 3.0 | 98 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.306 | 5.4 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 48.457 | 3.1 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.306 | 5.4 | 95 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.769 | 4.5 | 99 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 45.603 | 8.8 | 97 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.937 | -1.9 | 98 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 47.779 | 4.4 | 98 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 20:06

Lab File ID: VY021344.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.474 | 0.427 | | -9.92 | 50 |
| Chloromethane | 0.612 | 0.566 | 0.1 | -7.52 | 50 |
| Vinyl Chloride | 0.601 | 0.577 | | -3.99 | 50 |
| Bromomethane | 0.399 | 0.382 | | -4.26 | 50 |
| Chloroethane | 0.373 | 0.374 | | 0.27 | 50 |
| Tetrahydrofuran | 0.107 | 0.112 | | 4.67 | 50 |
| Trichlorofluoromethane | 0.908 | 0.871 | | -4.07 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.525 | 0.494 | | -5.91 | 50 |
| 1,1-Dichloroethene | 0.503 | 0.489 | | -2.78 | 50 |
| Acrylonitrile | 0.120 | 0.125 | | 4.17 | 50 |
| Acetone | 0.109 | 0.098 | | -10.09 | 50 |
| Carbon Disulfide | 1.671 | 1.626 | | -2.69 | 50 |
| Methyl tert-butyl Ether | 1.329 | 1.439 | | 8.28 | 50 |
| Methylene Chloride | 0.588 | 0.567 | | -3.57 | 50 |
| trans-1,2-Dichloroethene | 0.554 | 0.566 | | 2.17 | 50 |
| 1,1-Dichloroethane | 1.040 | 1.051 | 0.1 | 1.06 | 50 |
| 2-Butanone | 0.164 | 0.166 | | 1.22 | 50 |
| Carbon Tetrachloride | 0.554 | 0.520 | | -6.14 | 50 |
| 2,2-Dichloropropane | 0.944 | 0.817 | | -13.45 | 50 |
| cis-1,2-Dichloroethene | 0.632 | 0.663 | | 4.91 | 50 |
| Chloroform | 1.054 | 1.085 | | 2.94 | 50 |
| 1,1,1-Trichloroethane | 0.960 | 0.958 | | -0.21 | 50 |
| 1,1-Dichloropropene | 0.492 | 0.462 | | -6.1 | 50 |
| Benzene | 1.456 | 1.421 | | -2.4 | 50 |
| 1,2-Dichloroethane | 0.413 | 0.419 | | 1.45 | 50 |
| Trichloroethene | 0.364 | 0.352 | | -3.3 | 50 |
| 1,2-Dichloropropane | 0.350 | 0.341 | | -2.57 | 50 |
| Dibromomethane | 0.191 | 0.193 | | 1.05 | 50 |
| Bromodichloromethane | 0.511 | 0.511 | | 0 | 50 |
| 4-Methyl-2-Pentanone | 0.243 | 0.248 | | 2.06 | 50 |
| Toluene | 0.904 | 0.897 | | -0.77 | 50 |
| t-1,3-Dichloropropene | 0.468 | 0.465 | | -0.64 | 50 |
| cis-1,3-Dichloropropene | 0.552 | 0.534 | | -3.26 | 50 |
| 1,1,2-Trichloroethane | 0.249 | 0.254 | | 2.01 | 50 |
| 1,3-Dichloropropane | 0.438 | 0.445 | | 1.6 | 50 |
| 2-Hexanone | 0.159 | 0.166 | | 4.4 | 50 |
| Dibromochloromethane | 0.340 | 0.345 | | 1.47 | 50 |
| 1,2-Dibromoethane | 0.236 | 0.239 | | 1.27 | 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: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG No.: Q1382

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 20:06

Lab File ID: VY021344.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Tetrachloroethene | 0.378 | 0.354 | | -6.35 | 50 |
| Chlorobenzene | 1.122 | 1.085 | 0.3 | -3.3 | 50 |
| 1,1,1,2-Tetrachloroethane | 0.393 | 0.388 | | -1.27 | 50 |
| Ethyl Benzene | 1.988 | 1.913 | | -3.77 | 50 |
| m/p-Xylenes | 0.748 | 0.722 | | -3.48 | 50 |
| o-Xylene | 0.701 | 0.694 | | -1 | 50 |
| Styrene | 1.166 | 1.170 | | 0.26 | 50 |
| Bromoform | 0.225 | 0.225 | 0.1 | 0 | 50 |
| Isopropylbenzene | 3.759 | 3.702 | | -1.52 | 50 |
| 1,1,2,2-Tetrachloroethane | 0.663 | 0.666 | 0.3 | 0.45 | 50 |
| 1,2,3-Trichloropropane | 0.500 | 0.488 | | -2.4 | 50 |
| Bromobenzene | 0.874 | 0.883 | | 1.03 | 50 |
| n-propylbenzene | 4.561 | 4.370 | | -4.19 | 50 |
| 2-Chlorotoluene | 2.618 | 2.575 | | -1.64 | 50 |
| 1,3,5-Trimethylbenzene | 3.083 | 3.024 | | -1.91 | 50 |
| 4-Chlorotoluene | 2.714 | 2.646 | | -2.51 | 50 |
| tert-Butylbenzene | 2.785 | 2.736 | | -1.76 | 50 |
| 1,2,4-Trimethylbenzene | 3.066 | 3.031 | | -1.14 | 50 |
| sec-Butylbenzene | 4.068 | 3.811 | | -6.32 | 50 |
| p-Isopropyltoluene | 3.397 | 3.220 | | -5.21 | 50 |
| 1,3-Dichlorobenzene | 1.730 | 1.669 | | -3.53 | 50 |
| 1,4-Dichlorobenzene | 1.709 | 1.629 | | -4.68 | 50 |
| n-Butylbenzene | 3.196 | 2.914 | | -8.82 | 50 |
| 1,2-Dichlorobenzene | 1.515 | 1.475 | | -2.64 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.105 | 0.107 | | 1.9 | 50 |
| 1,2,4-Trichlorobenzene | 0.925 | 0.861 | | -6.92 | 50 |
| Hexachlorobutadiene | 0.582 | 0.503 | | -13.57 | 50 |
| 1,2,3-Trichlorobenzene | 0.781 | 0.742 | | -4.99 | 50 |
| 1,2-Dichloroethane-d4 | 0.567 | 0.529 | | -6.7 | 50 |
| Dibromofluoromethane | 0.328 | 0.298 | | -9.15 | 50 |
| Toluene-d8 | 1.267 | 1.131 | | -10.73 | 50 |
| 4-Bromofluorobenzene | 0.426 | 0.383 | | -10.09 | 50 |
| trans-1,4-Dichloro-2-butene | 0.225 | 0.214 | | -4.89 | 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_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 209132 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 343428 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 305969 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 148168 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 110600 | 46.619 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 93.240% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 102286 | 45.429 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 90.860% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 388525 | 44.650 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 89.300% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 131584 | 44.933 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 89.860% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 89202 | 44.987 | ug/l | 100 |
| 3) Chloromethane | 2.068 | 50 | 118305 | 46.199 | ug/l | 100 |
| 4) Vinyl Chloride | 2.202 | 62 | 120584 | 47.976 | ug/l | 98 |
| 5) Bromomethane | 2.592 | 94 | 79891 | 47.832 | ug/l | 99 |
| 6) Chloroethane | 2.733 | 64 | 78213 | 50.180 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 182167 | 47.991 | ug/l | 98 |
| 8) Diethyl Ether | 3.452 | 74 | 60683 | 53.265 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 103386 | 47.044 | ug/l | 99 |
| 10) Methyl Iodide | 4.007 | 142 | 132681 | 57.386 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.854 | 59 | 42284 | 231.715 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 102196 | 48.566 | ug/l | 99 |
| 13) Acrolein | 3.653 | 56 | 6424 | 45.939 | ug/l | 96 |
| 14) Allyl chloride | 4.385 | 41 | 183341 | 49.143 | ug/l | 99 |
| 15) Acrylonitrile | 5.055 | 53 | 130861 | 259.792 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 102355 | 224.914 | ug/l | 98 |
| 17) Carbon Disulfide | 4.104 | 76 | 340079 | 48.671 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 59440 | 53.445 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 300902 | 54.123 | ug/l | 100 |
| 20) Methylene Chloride | 4.616 | 84 | 118498 | 48.152 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.116 | 96 | 118319 | 51.077 | ug/l | 97 |
| 22) Diisopropyl ether | 6.019 | 45 | 402879 | 52.185 | ug/l | 98 |
| 23) Vinyl Acetate | 5.958 | 43 | 1195161 | 259.062 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 219734 | 50.498 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 173965 | 253.286 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 170930 | 43.292 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 138734 | 52.447 | ug/l | 97 |
| 28) Bromochloromethane | 7.244 | 49 | 93313 | 48.465 | ug/l | 97 |
| 29) Tetrahydrofuran | 7.262 | 42 | 117269 | 261.209 | ug/l | 99 |
| 30) Chloroform | 7.421 | 83 | 226821 | 51.443 | ug/l | 99 |
| 31) Cyclohexane | 7.701 | 56 | 184463 | 44.101 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 200425 | 49.940 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 158713 | 46.928 | ug/l | 99 |
| 37) Ethyl Acetate | 6.982 | 43 | 82433 | 48.999 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 178448 | 46.933 | ug/l | 99 |
| 39) Methylcyclohexane | 9.109 | 83 | 191242 | 44.707 | ug/l | 99 |
| 40) Benzene | 8.079 | 78 | 488113 | 48.823 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.226 | 41 | 50830 | 54.039 | ug/l | | 93 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 143731 | 50.672 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 162361 | 49.861 | ug/l | | 99 |
| 44) Trichloroethene | 8.866 | 130 | 120825 | 48.271 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 117257 | 48.736 | ug/l | | 99 |
| 46) Dibromomethane | 9.231 | 93 | 66414 | 50.499 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 175634 | 50.086 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.219 | 41 | 77080 | 50.619 | ug/l | | 97 |
| 49) 1,4-Dioxane | 9.225 | 88 | 14855 | 1015.844 | ug/l | # | 93 |
| 51) 4-Methyl-2-Pentanone | 10.000 | 43 | 425033 | 254.988 | ug/l | | 99 |
| 52) Toluene | 10.170 | 92 | 307967 | 49.585 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 159678 | 49.701 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 183344 | 48.340 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 10.573 | 97 | 87133 | 50.858 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.438 | 69 | 127215 | 53.738 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 152781 | 50.818 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 292101 | 257.068 | ug/l | | 99 |
| 59) 2-Hexanone | 10.755 | 43 | 285133 | 260.462 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.908 | 129 | 118508 | 50.788 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.012 | 107 | 82050 | 50.586 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 108193 | 46.783 | ug/l | | 99 |
| 65) Chlorobenzene | 11.444 | 112 | 331937 | 48.330 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131 | 118595 | 49.313 | ug/l | | 100 |
| 67) Ethyl Benzene | 11.518 | 91 | 585231 | 48.106 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 441830 | 96.556 | ug/l | | 100 |
| 69) o-Xylene | 11.956 | 106 | 212382 | 49.544 | ug/l | | 100 |
| 70) Styrene | 11.969 | 104 | 357830 | 50.170 | ug/l | | 100 |
| 71) Bromoform | 12.133 | 173 | 68887 | 50.071 | ug/l | | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 548496 | 49.240 | ug/l | | 100 |
| 74) N-amyl acetate | 12.072 | 43 | 146735 | 51.825 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 98641 | 50.176 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 72307m | 48.754 | ug/l | | |
| 77) Bromobenzene | 12.530 | 156 | 130762 | 50.469 | ug/l | | 98 |
| 78) n-propylbenzene | 12.597 | 91 | 647434 | 47.897 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.676 | 91 | 381569 | 49.187 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 448101 | 49.048 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 31668 | 47.460 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 12.773 | 91 | 392065 | 48.755 | ug/l | | 99 |
| 83) tert-Butylbenzene | 12.999 | 119 | 405401 | 49.124 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 449054 | 49.422 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 564734 | 46.848 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 477095 | 47.399 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.286 | 146 | 247228 | 48.238 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 241313 | 47.661 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.615 | 91 | 431776 | 45.583 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 97989 | 46.606 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 218493 | 48.659 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 15872 | 51.037 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 127534 | 46.535 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 74574 | 43.221 | ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 230889 | 50.863 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 109952 | 47.484 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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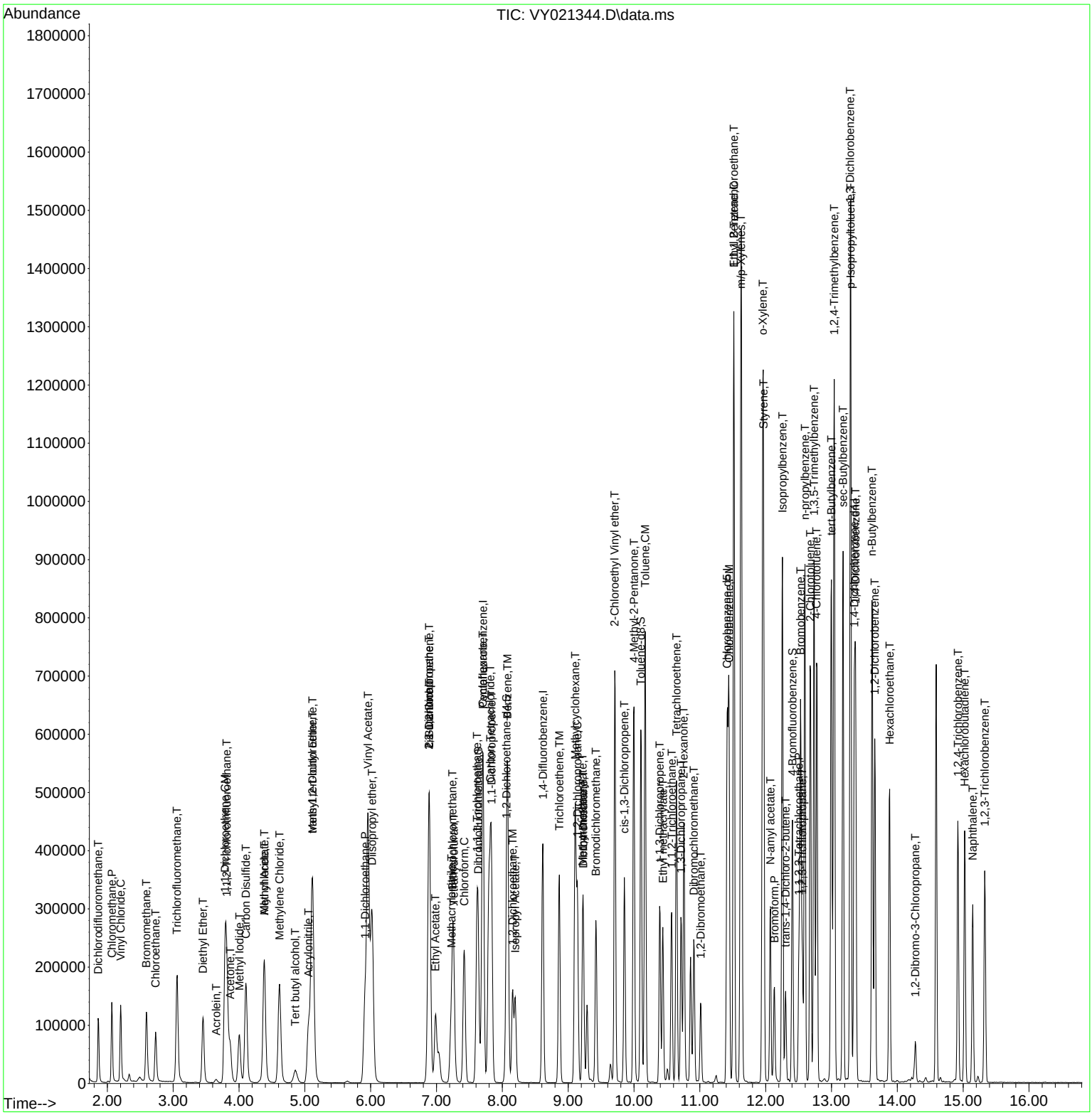
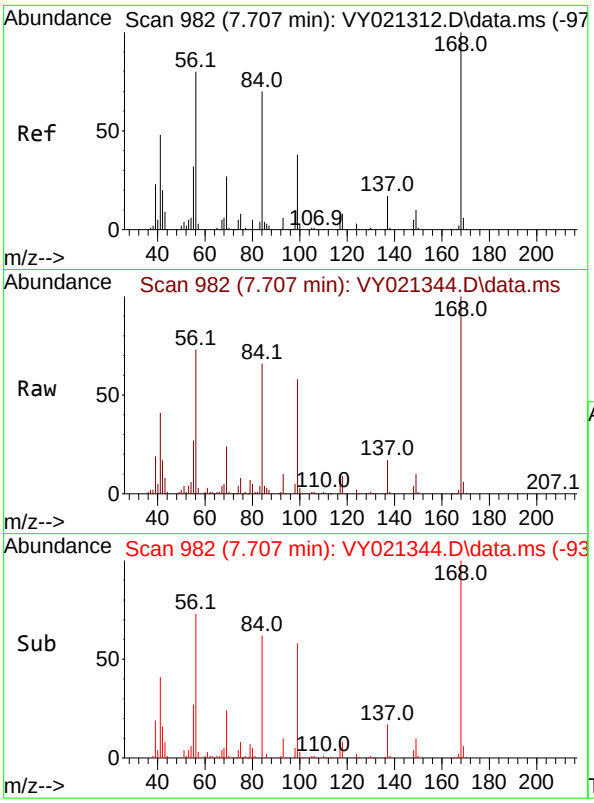
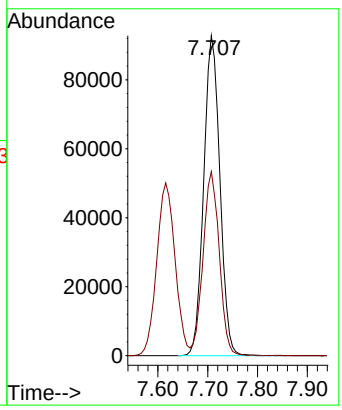





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:168 Resp: 20913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.4 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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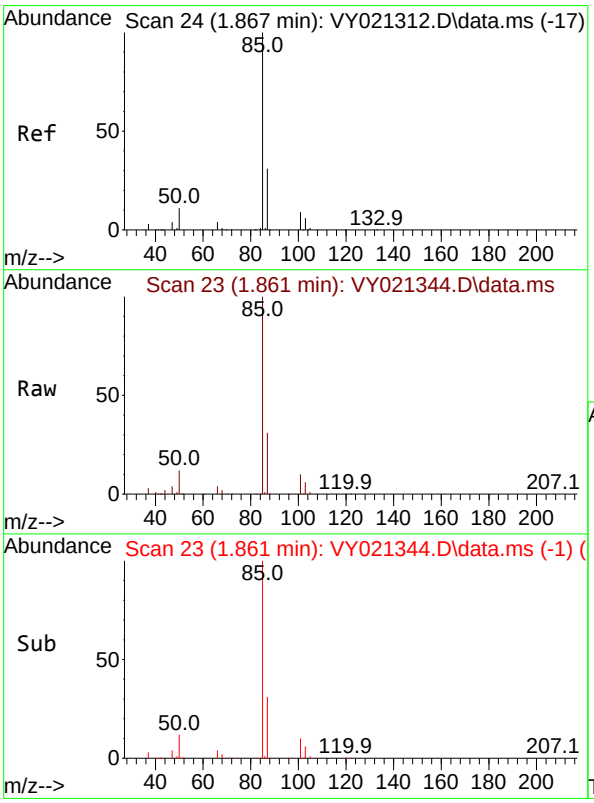
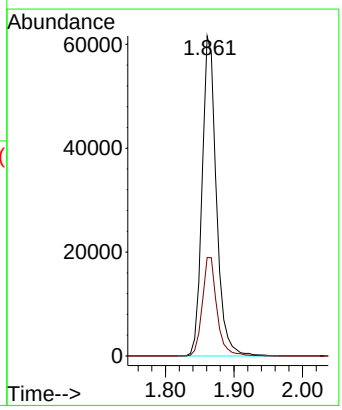
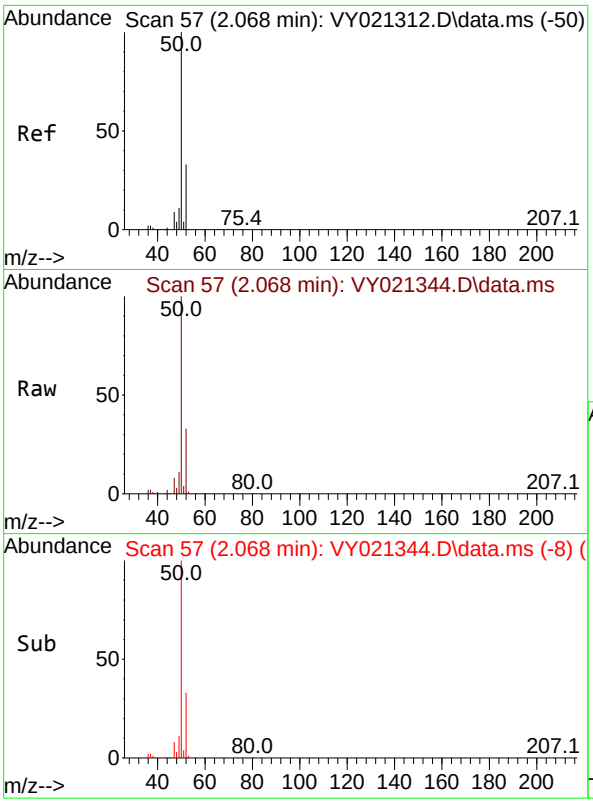



#2
Dichlorodifluoromethane
Concen: 44.987 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 85 Resp: 89202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.7 | 15.4 | 46.4 |

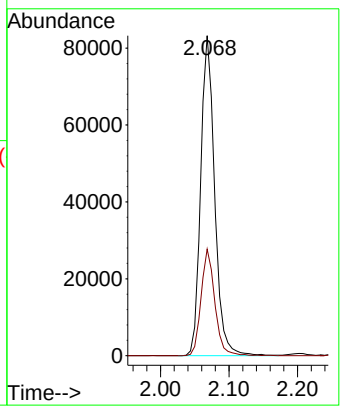





#3
Chloromethane
Concen: 46.199 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 50 Resp: 11830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.3 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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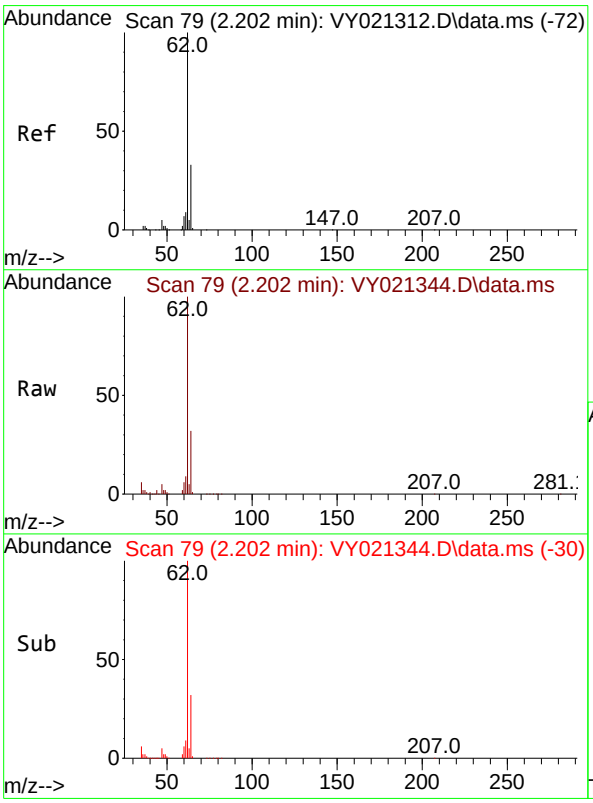
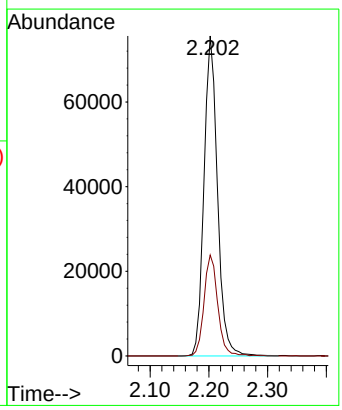
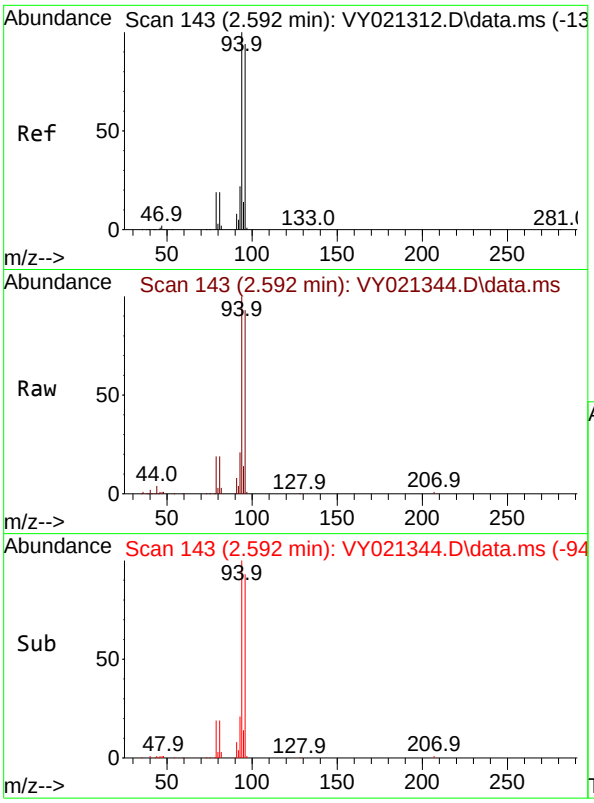



#4
Vinyl Chloride
Concen: 47.976 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 120584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 26.3 | 39.5 |

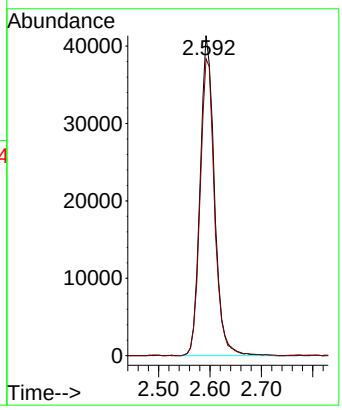





#5
Bromomethane
Concen: 47.832 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 94 Resp: 7989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.8 | 75.2 | 112.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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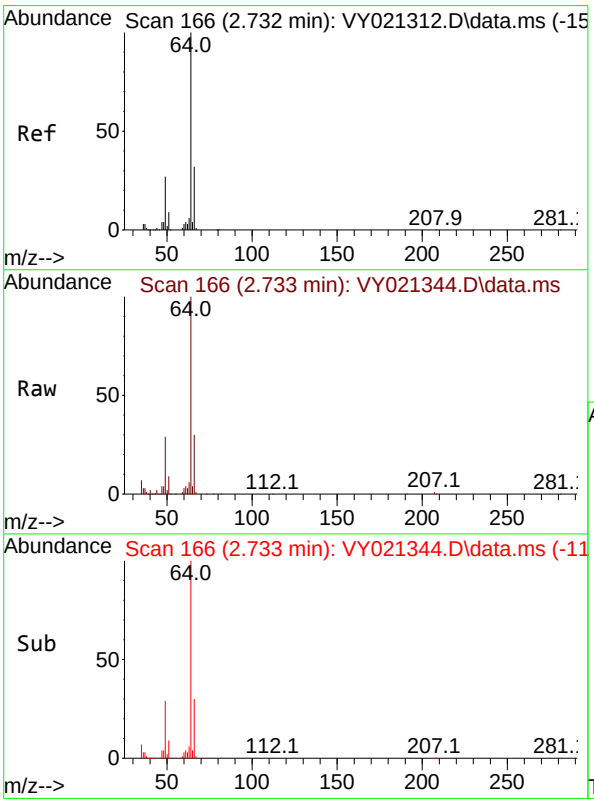
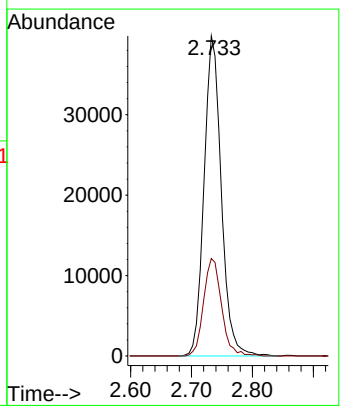
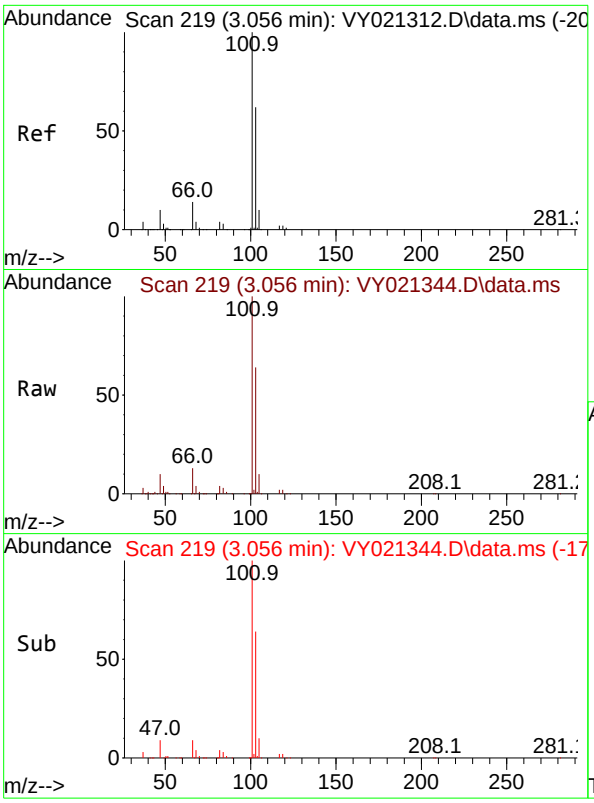



#6
Chloroethane
Concen: 50.180 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 64 Resp: 78213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.4 | 25.4 | 38.0 |

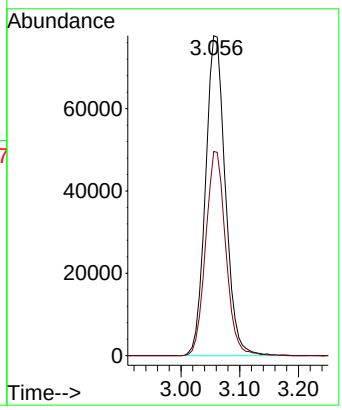





#7
Trichlorofluoromethane
Concen: 47.991 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:101 Resp: 18216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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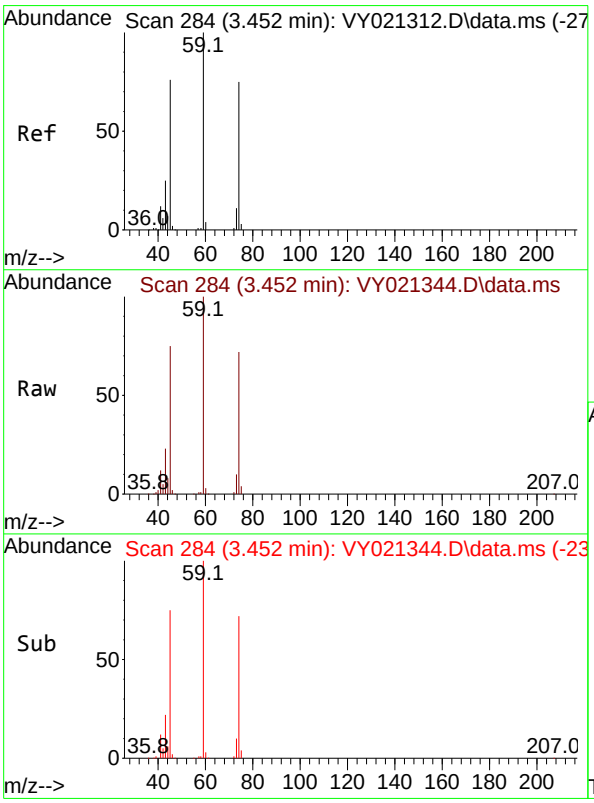
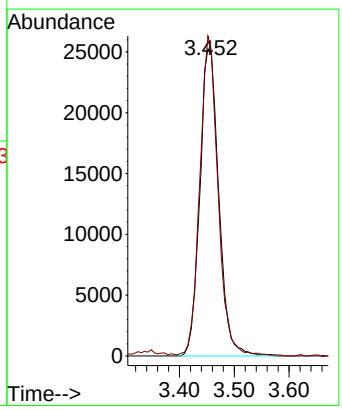
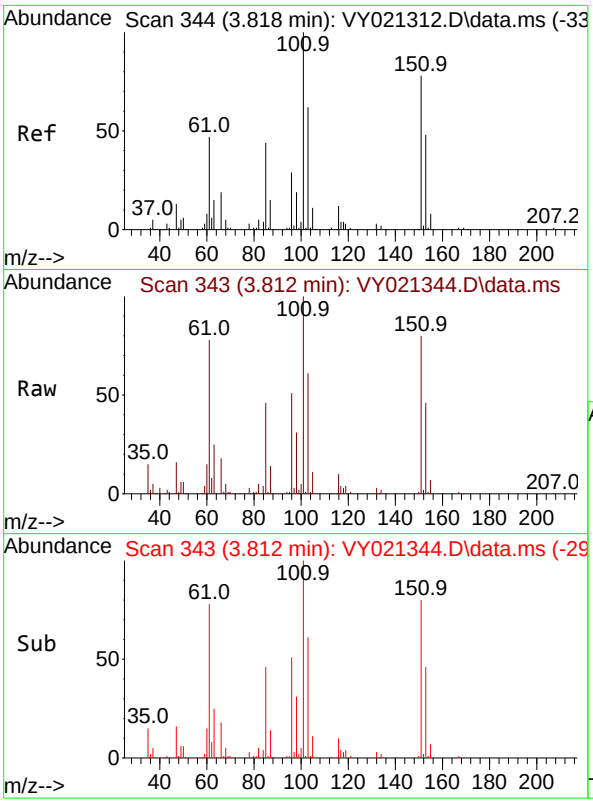



#8
Diethyl Ether
Concen: 53.265 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 74 Resp: 60683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.3 | 50.3 | 150.9 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.044 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:101 Resp: 10338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.2 | 36.7 | 55.1 |
| 151 | 79.0 | 62.6 | 94.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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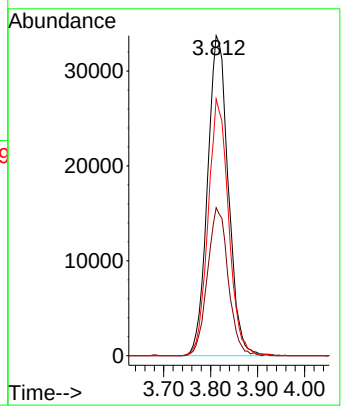
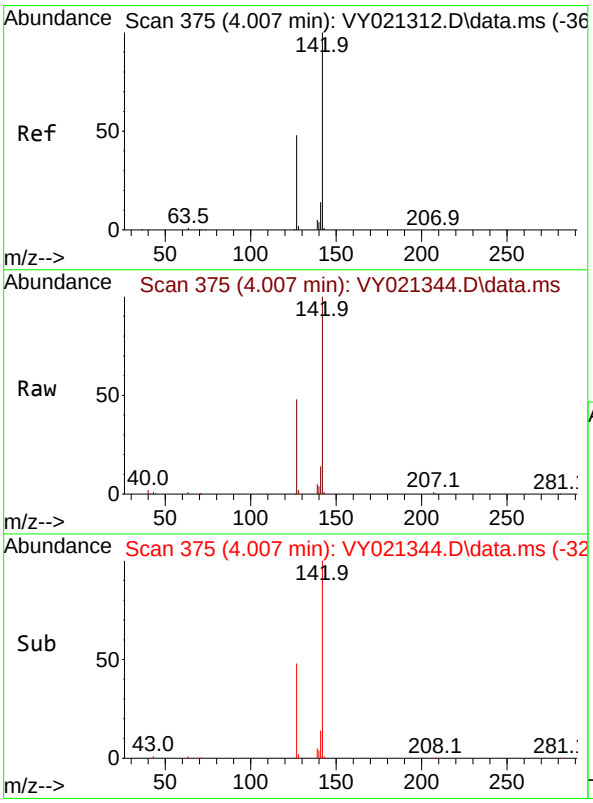
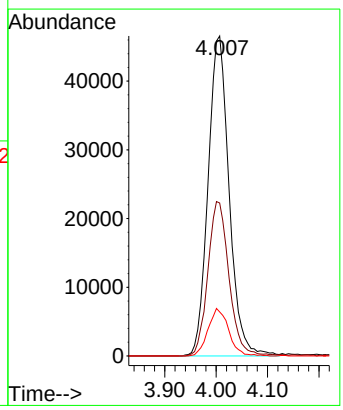


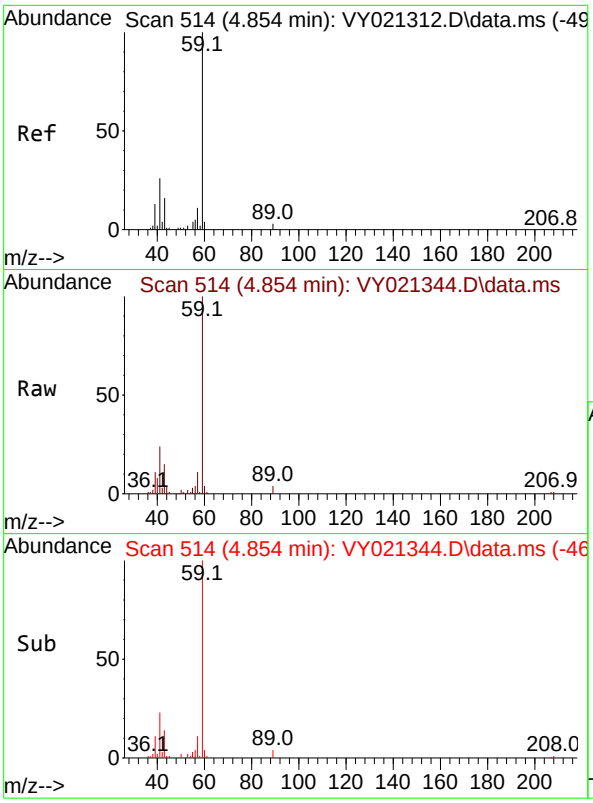




#10
Methyl Iodide
Concen: 57.386 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:142 Resp: 132681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.5 | 39.2 | 58.8 |
| 141 | 14.5 | 11.4 | 17.2 |

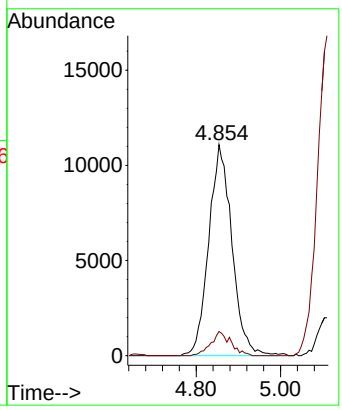





#11
Tert butyl alcohol
Concen: 231.715 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 59 Resp: 4228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 8.3 | 12.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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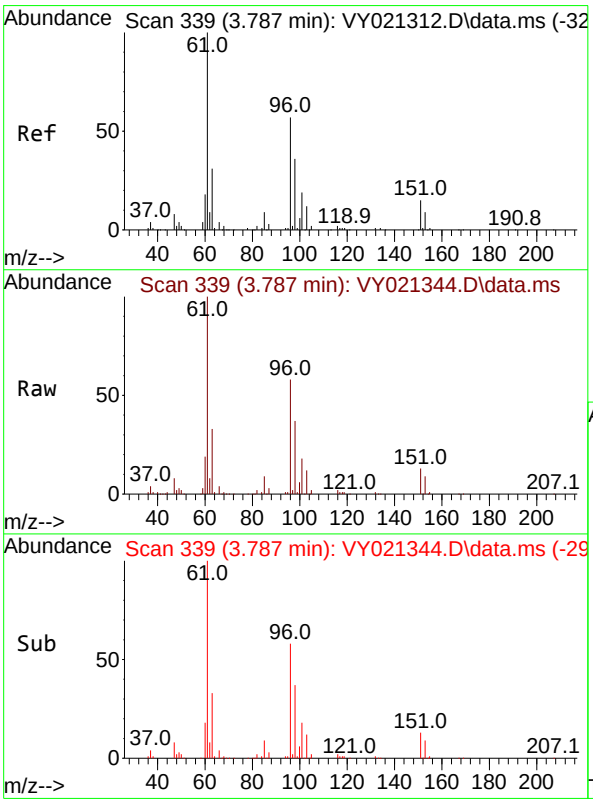
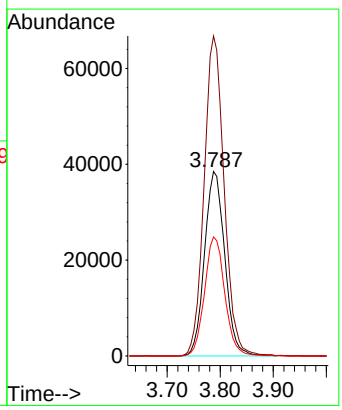
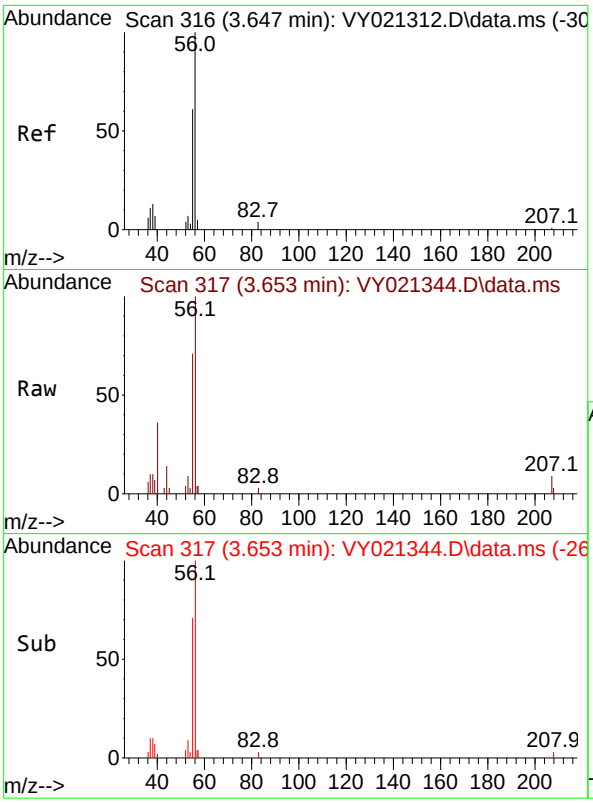



#12
1,1-Dichloroethene
Concen: 48.566 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 102196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 173.5 | 139.7 | 209.5 |
| 98 | 64.6 | 49.7 | 74.5 |

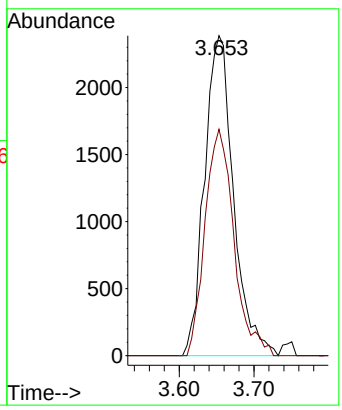





#13
Acrolein
Concen: 45.939 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 56 Resp: 642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.7 | 59.0 | 88.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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**Manual Integrations**
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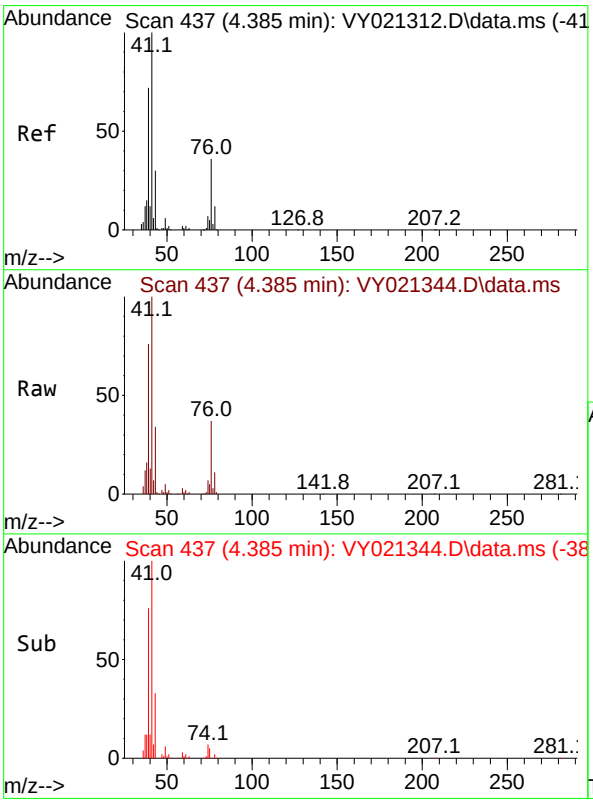
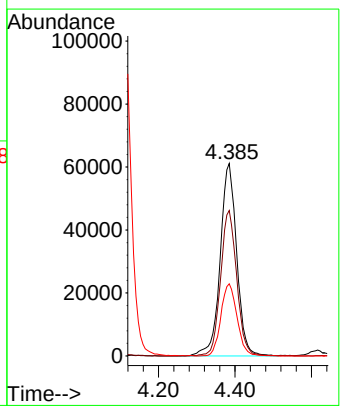
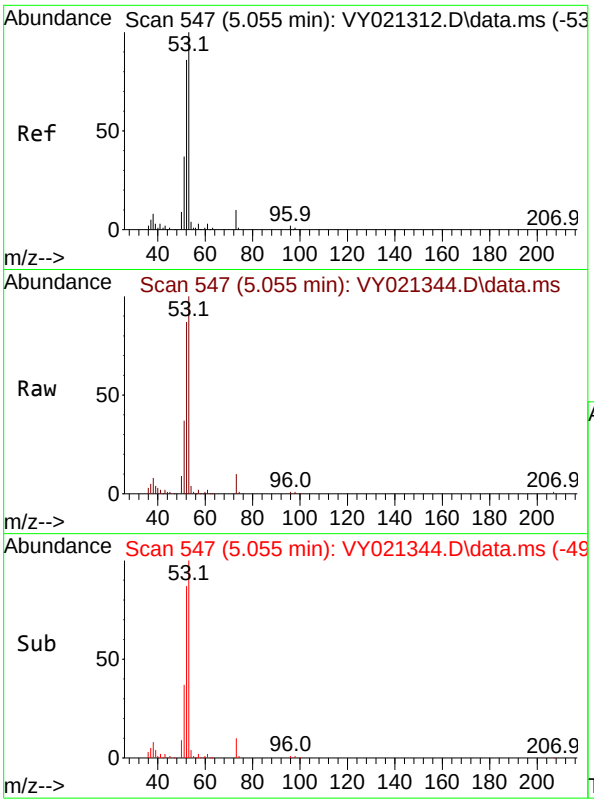



#14
Allyl chloride
Concen: 49.143 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 183341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.0 | 60.0 | 90.0 |
| 76 | 36.6 | 29.0 | 43.6 |






#15
Acrylonitrile
Concen: 259.792 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 53 Resp: 13086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.6 | 65.5 | 98.3 |
| 51 | 38.1 | 30.6 | 46.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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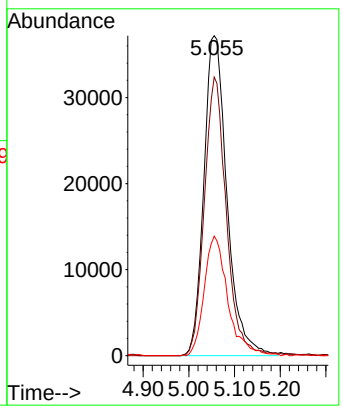
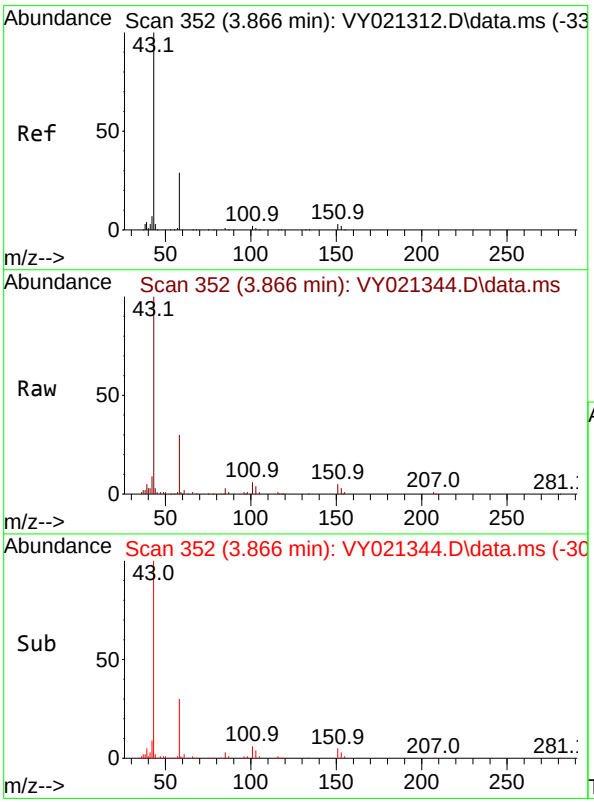
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

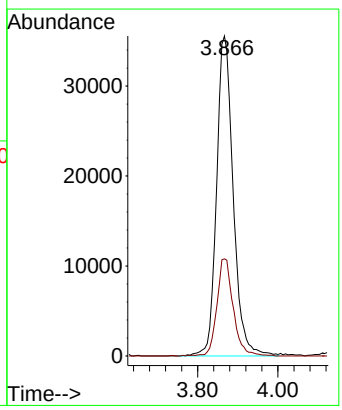


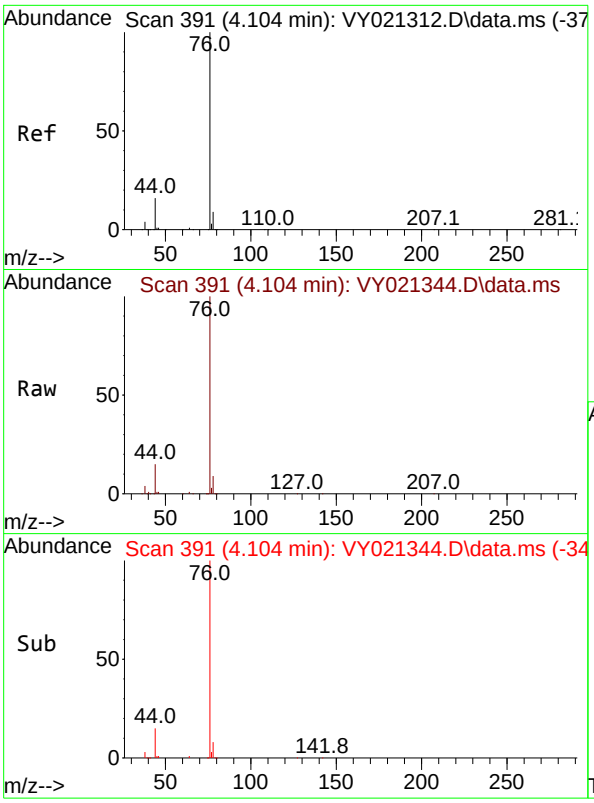




#16
Acetone
Concen: 224.914 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 102355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.4 | 23.5 | 35.3 |

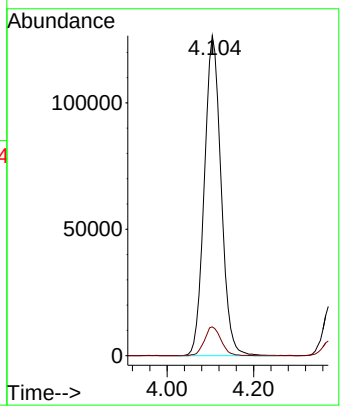





#17
Carbon Disulfide
Concen: 48.671 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 76 Resp: 34007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/27/2025
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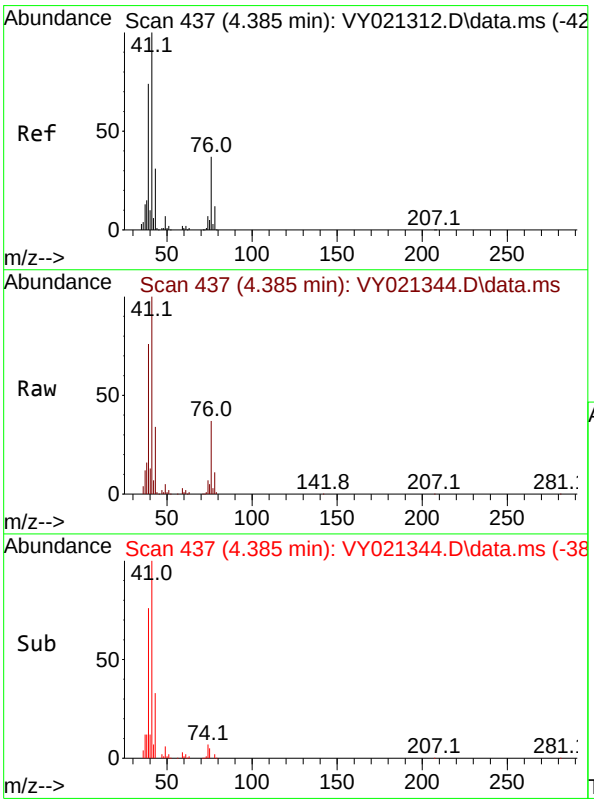
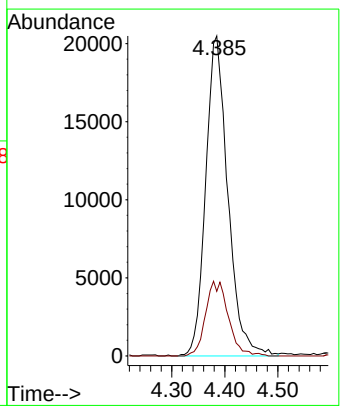
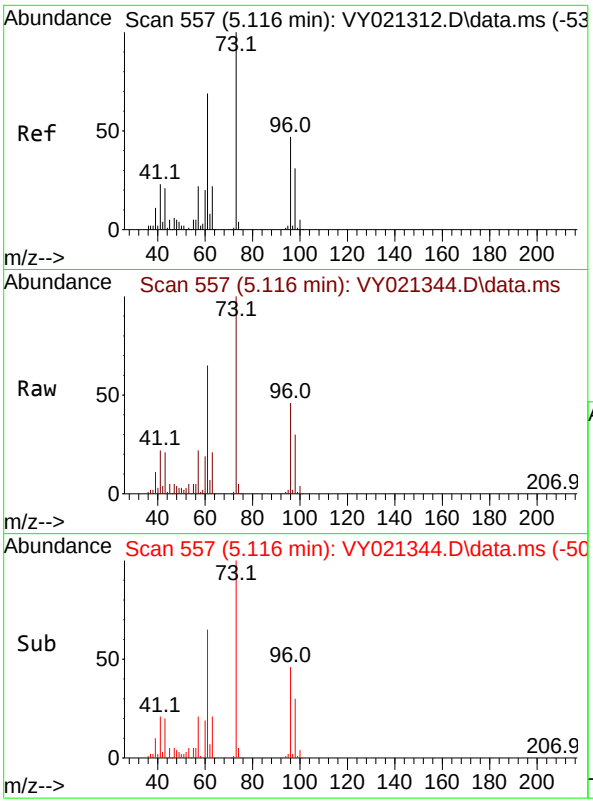



#18
Methyl Acetate
Concen: 53.445 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 59440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.0 | 17.7 | 26.5 |

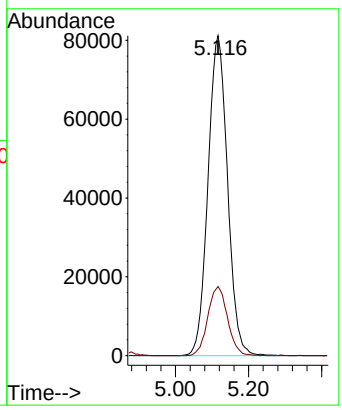





#19
Methyl tert-butyl Ether
Concen: 54.123 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 73 Resp: 30090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 17.4 | 26.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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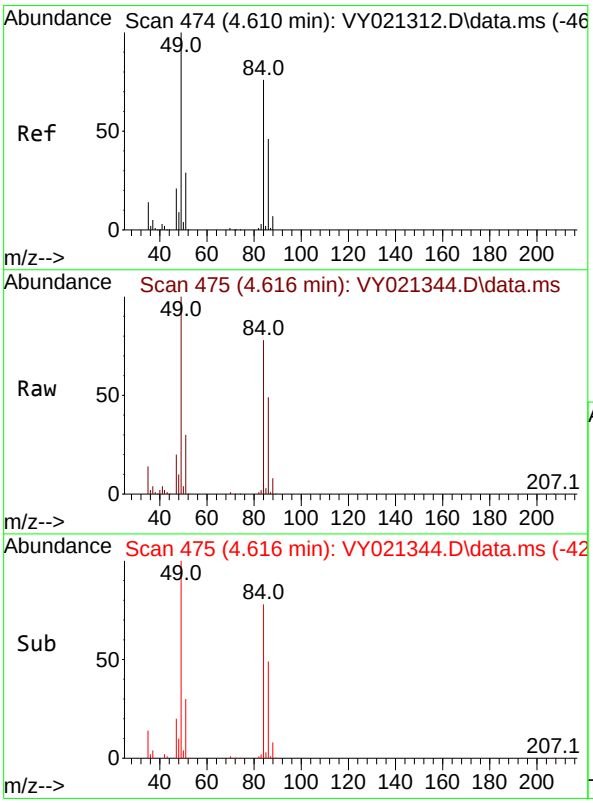
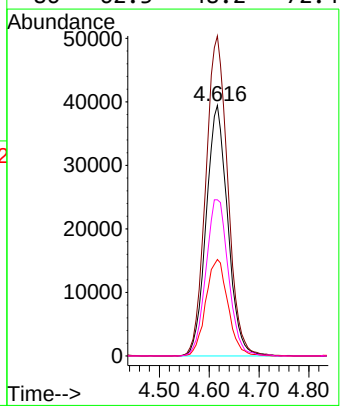
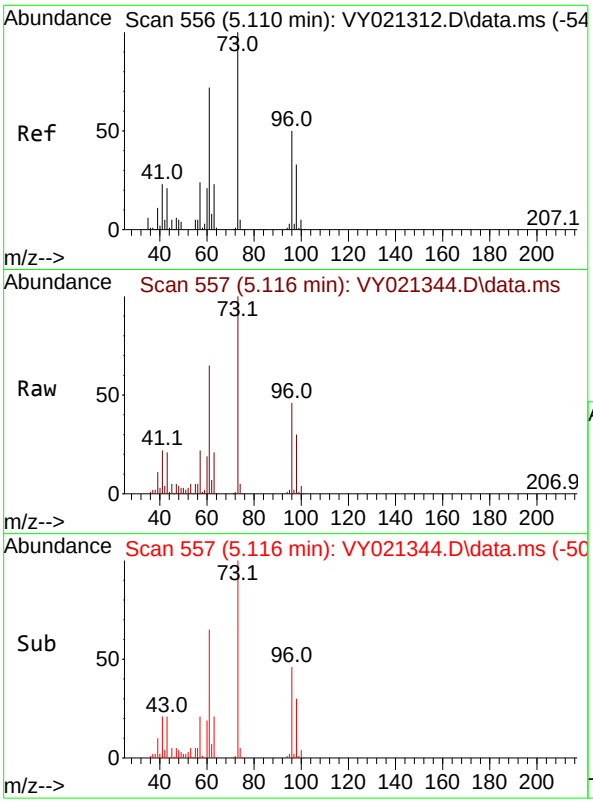



#20
Methylene Chloride
Concen: 48.152 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 84 Resp: 118498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.7 | 105.1 | 157.7 |
| 51 | 38.5 | 31.0 | 46.4 |
| 86 | 62.3 | 48.2 | 72.4 |

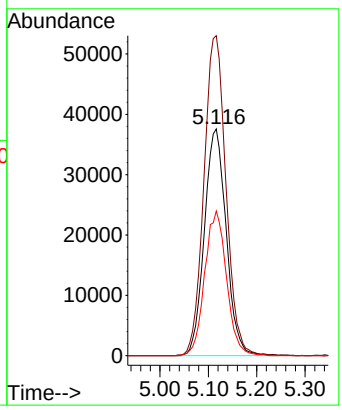





#21
trans-1,2-Dichloroethene
Concen: 51.077 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 11831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.0 | 116.3 | 174.5 |
| 98 | 63.8 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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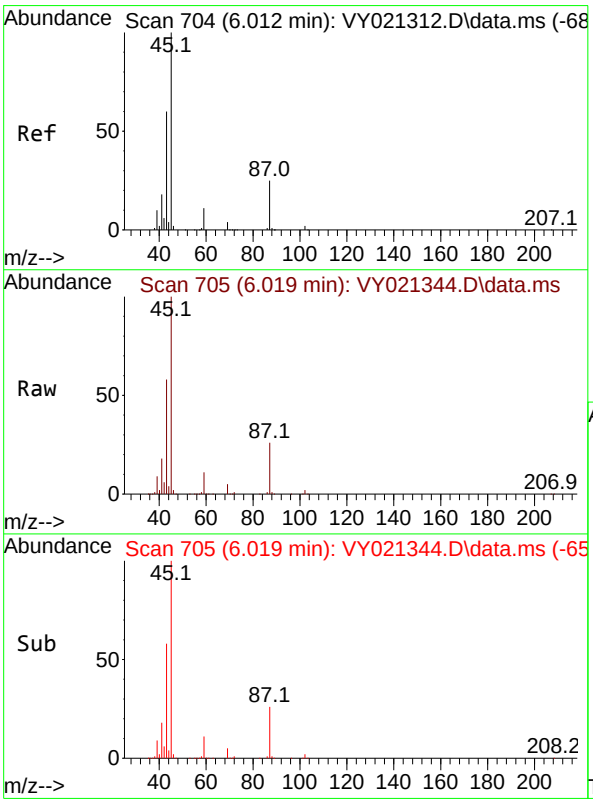
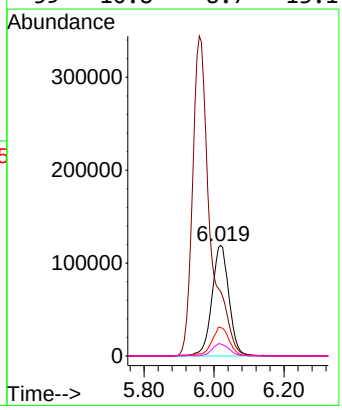
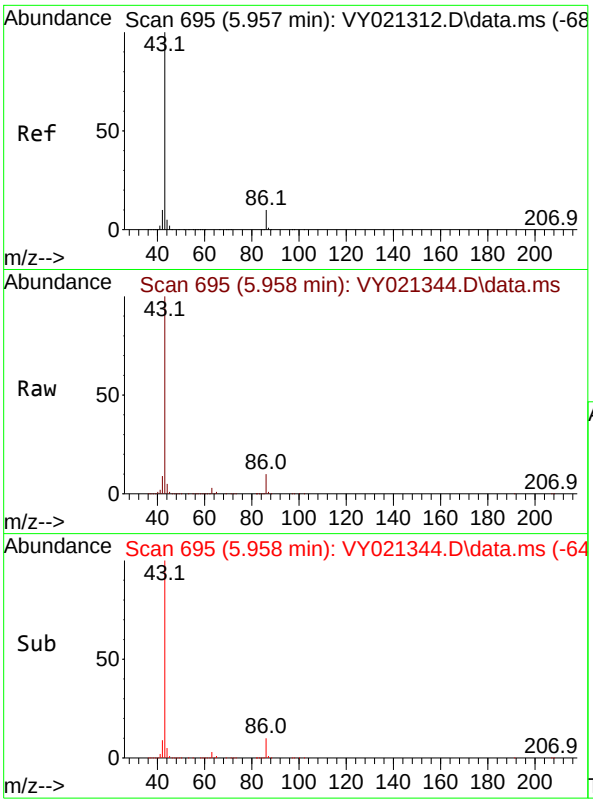



#22
Diisopropyl ether
Concen: 52.185 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 45 Resp: 402879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 58.1 | 48.2 | 72.4 |
| 87 | 25.7 | 20.3 | 30.5 |
| 59 | 10.8 | 8.7 | 13.1 |






#23
Vinyl Acetate
Concen: 259.062 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 119516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 8.0 | 12.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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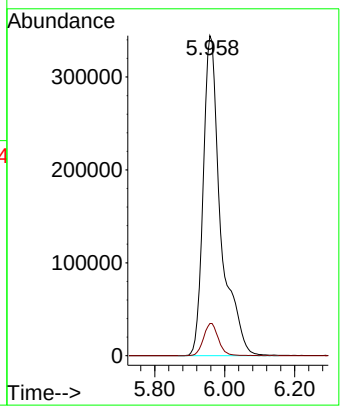
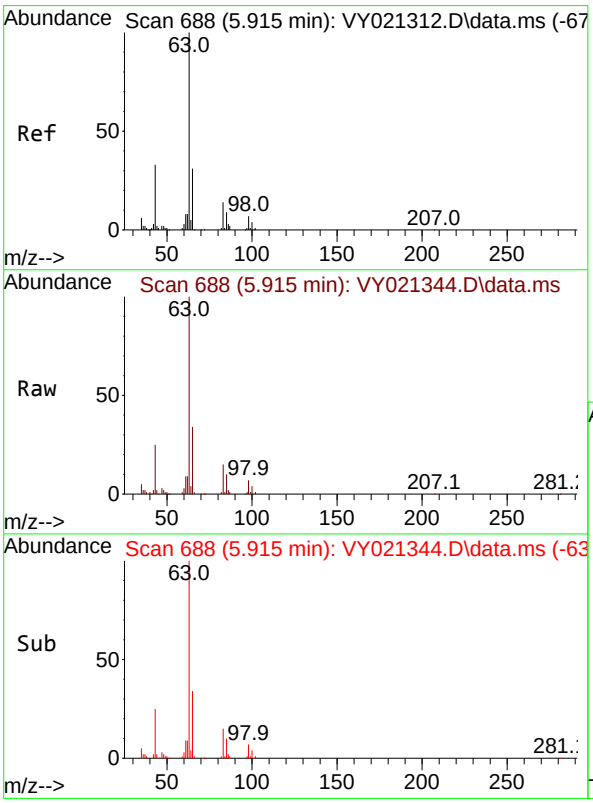
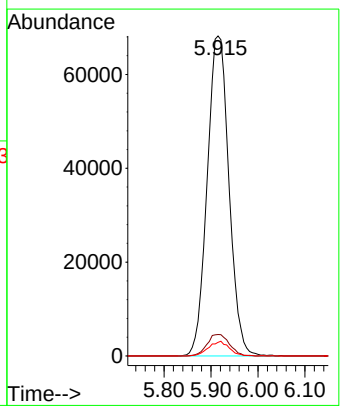


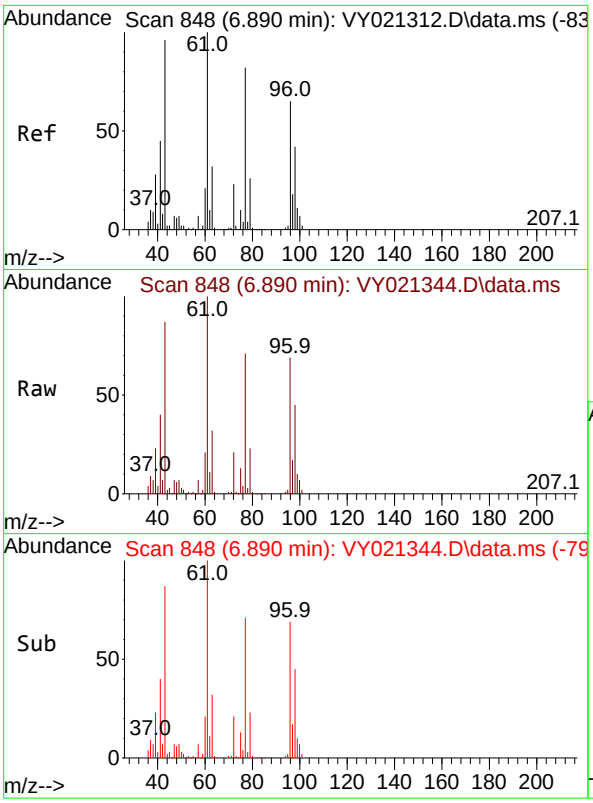




#24
1,1-Dichloroethane
Concen: 50.498 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 219734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.7 | 3.7 | 11.1 |
| 100 | 4.3 | 2.1 | 6.5 |






#25
2-Butanone
Concen: 253.286 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 17396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.4 | 19.0 | 28.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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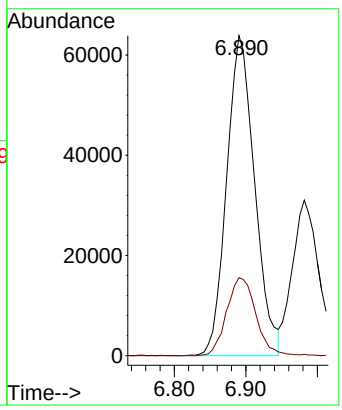
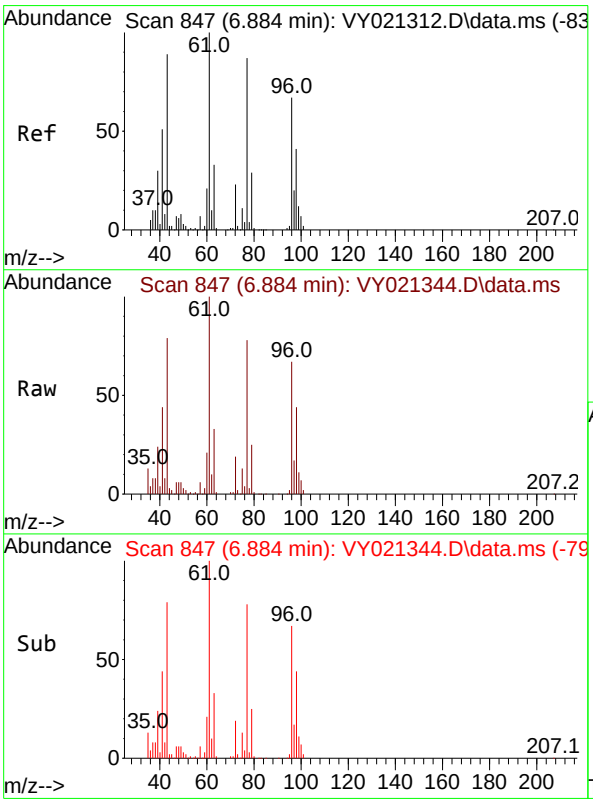
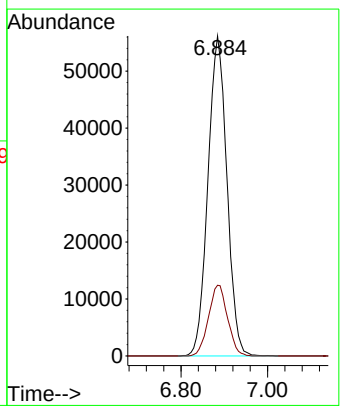


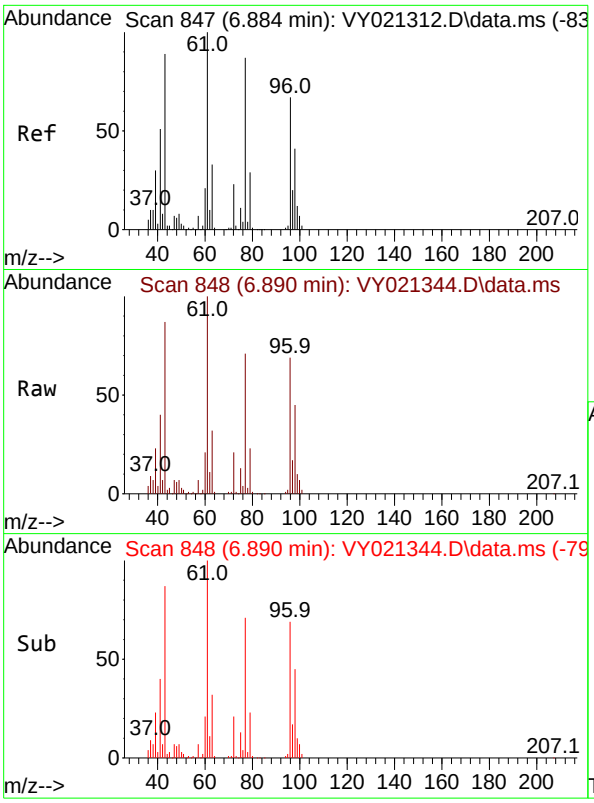




#26
2,2-Dichloropropane
Concen: 43.292 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 77 Resp: 170930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 10.9 | 32.7 |






#27
cis-1,2-Dichloroethene
Concen: 52.447 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 13873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.9 | 0.0 | 308.0 |
| 98 | 64.7 | 0.0 | 129.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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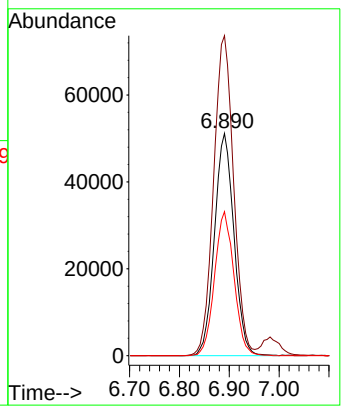
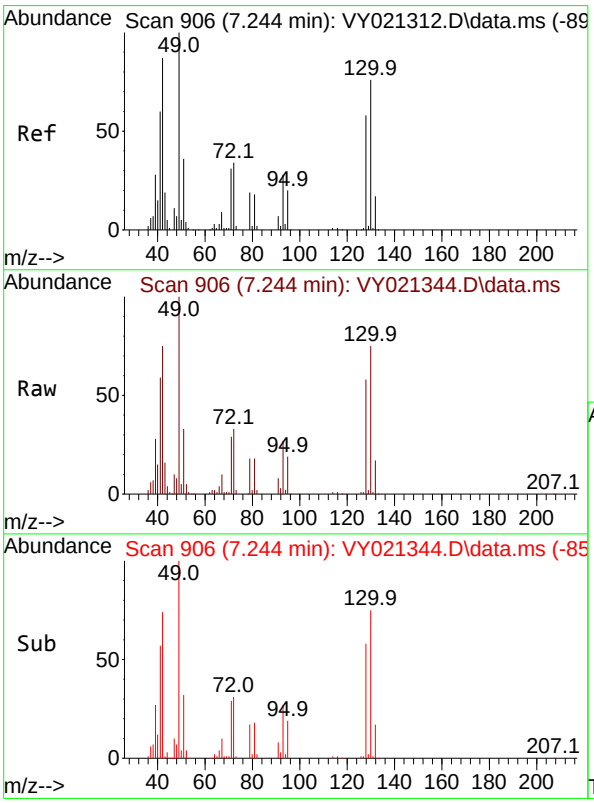
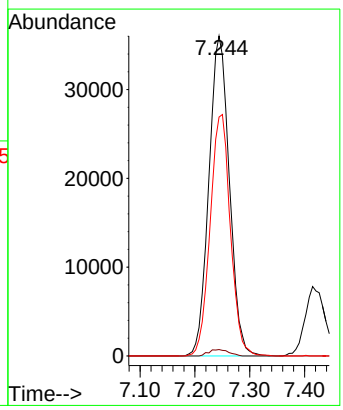


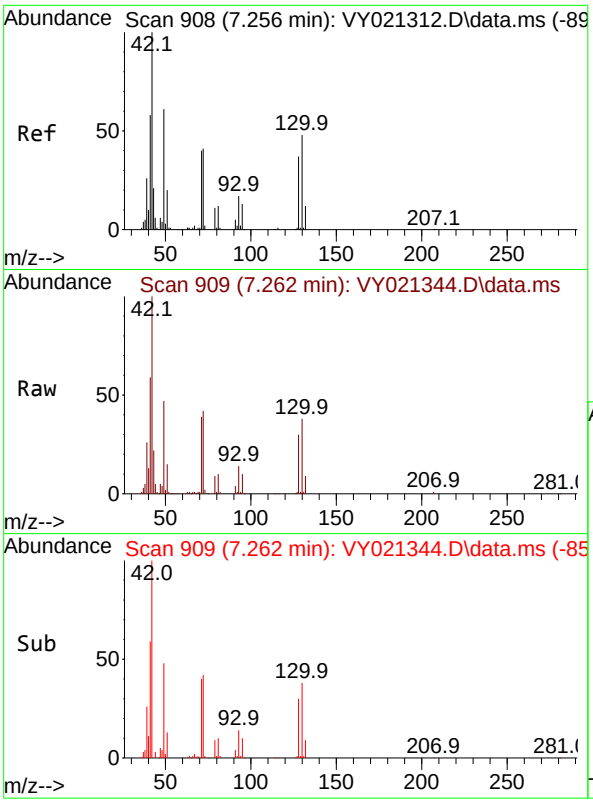




#28
Bromochloromethane
Concen: 48.465 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 49 Resp: 93313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 74.6 | 57.8 | 86.6 |

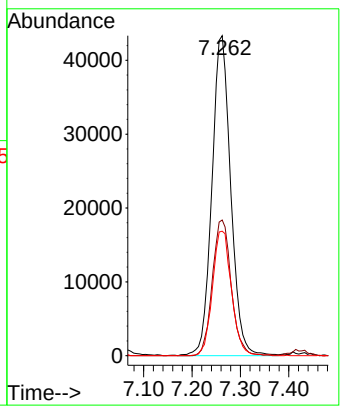





#29
Tetrahydrofuran
Concen: 261.209 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 42 Resp: 11726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.4 | 33.1 | 49.7 |
| 71 | 39.3 | 31.4 | 47.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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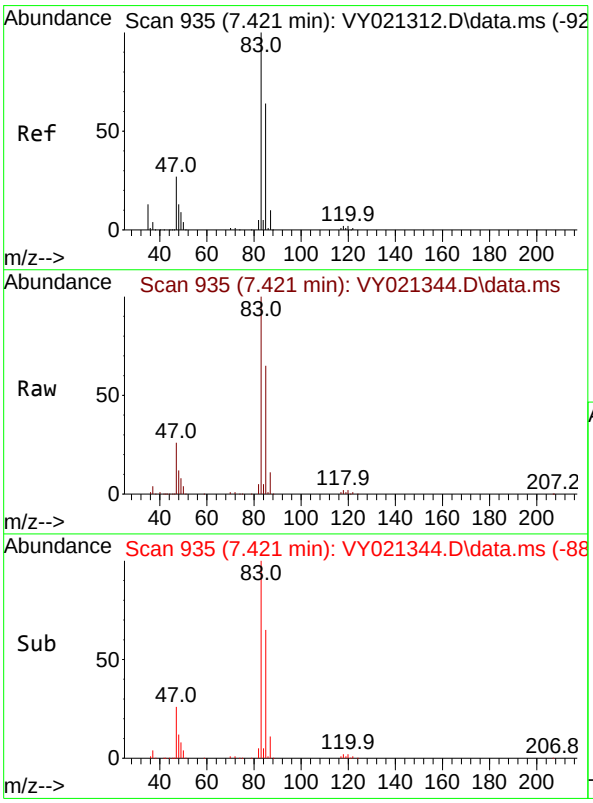
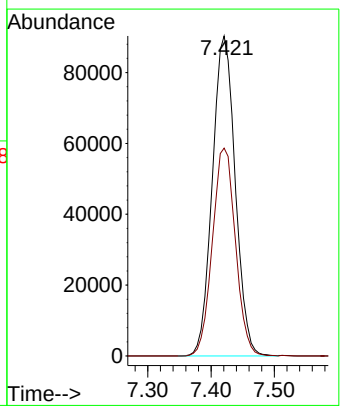
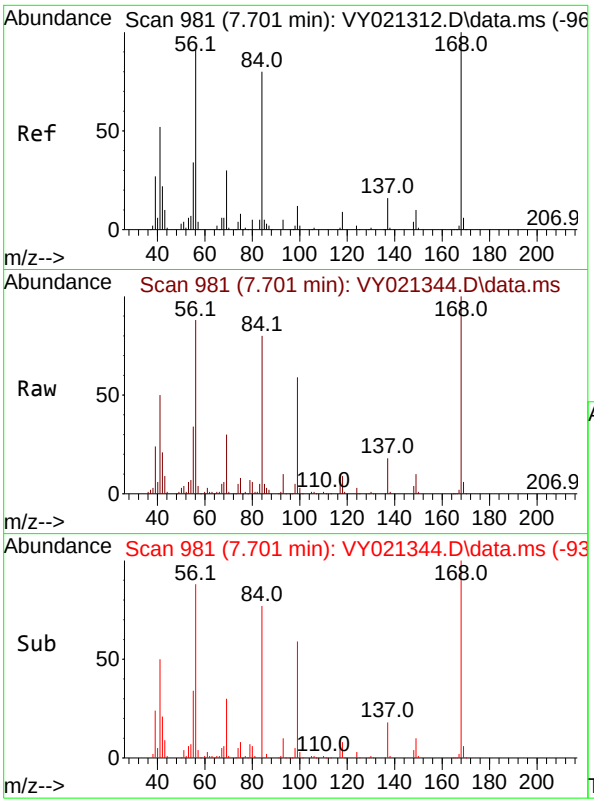



#30
Chloroform
Concen: 51.443 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 226821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 51.6 | 77.4 |

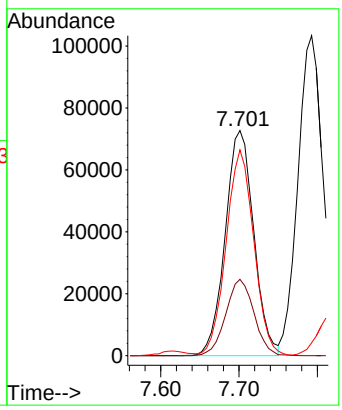





#31
Cyclohexane
Concen: 44.101 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 56 Resp: 18446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.9 | 26.2 | 39.4 |
| 84 | 89.5 | 70.2 | 105.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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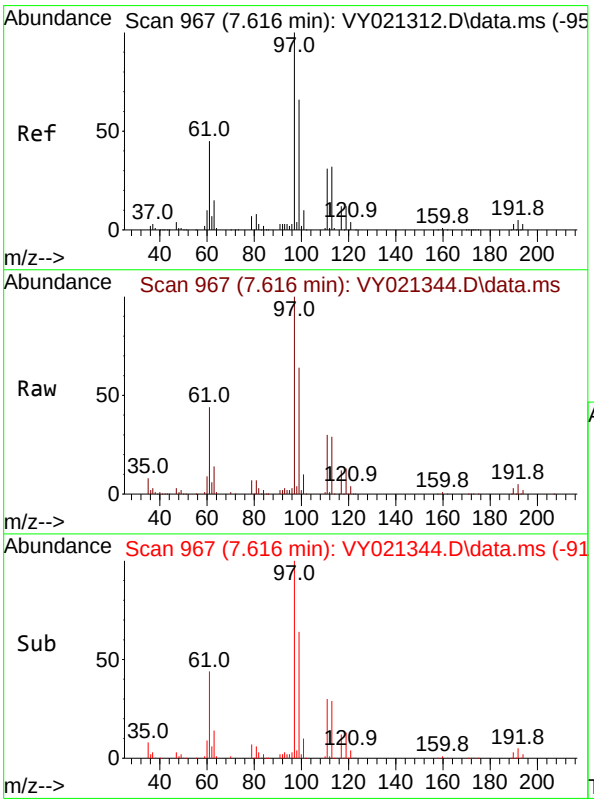
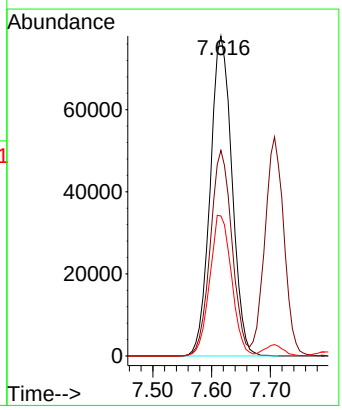
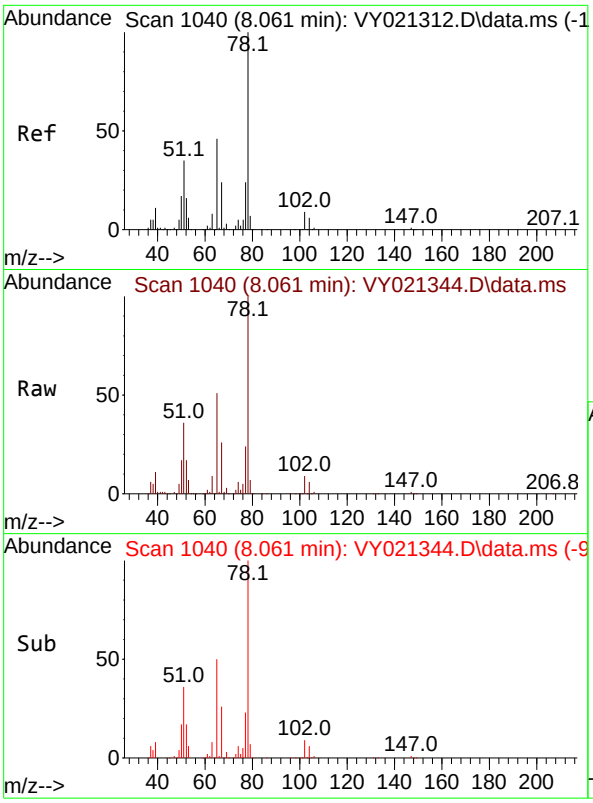



#32
1,1,1-Trichloroethane
Concen: 49.940 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 97 Resp: 200425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 52.4 | 78.6 |
| 61 | 44.2 | 36.2 | 54.2 |

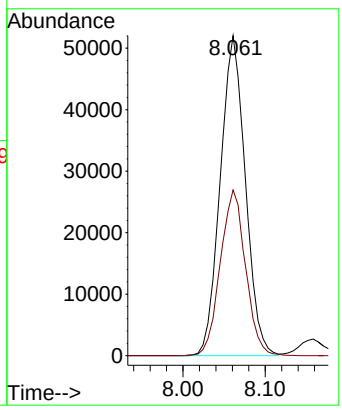





#33
1,2-Dichloroethane-d4
Concen: 46.619 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 65 Resp: 11060

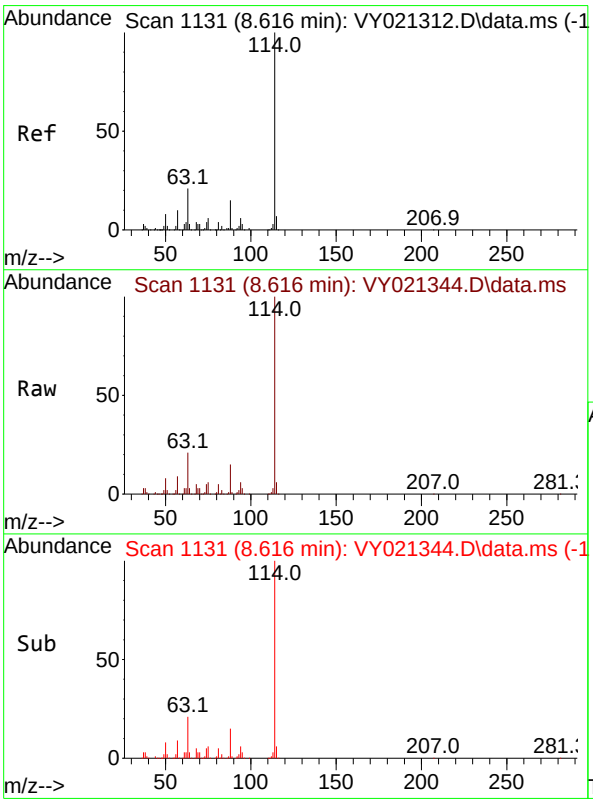
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 103.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

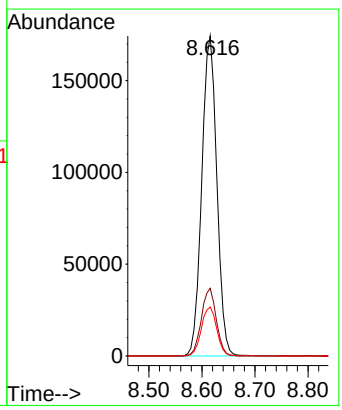
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

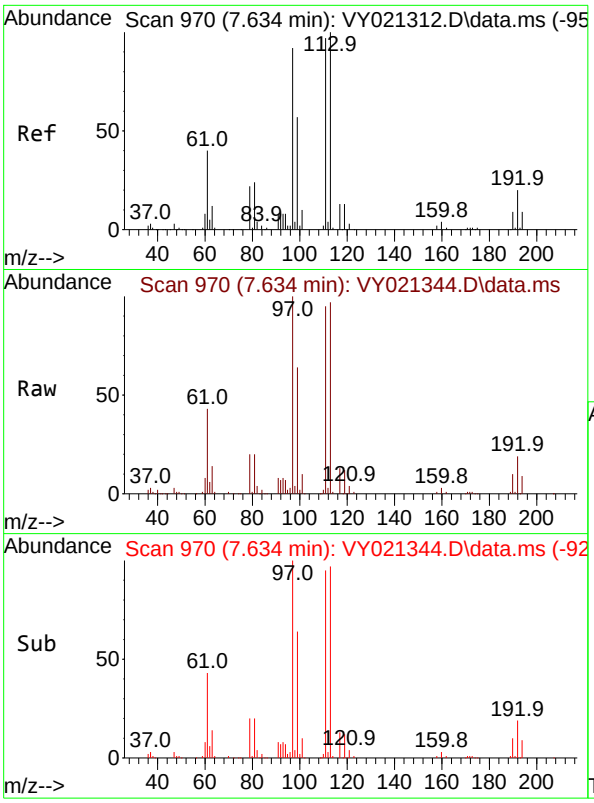



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:114 Resp: 343428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 42.2 |
| 88 | 15.3 | 0.0 | 29.8 |

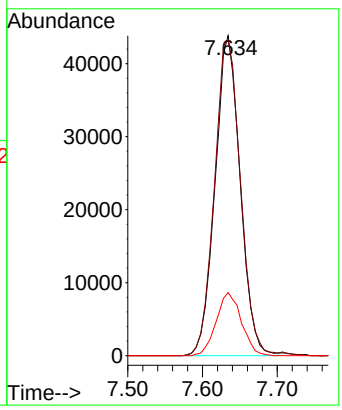





#35
Dibromofluoromethane
Concen: 45.429 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:113 Resp: 10228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.9 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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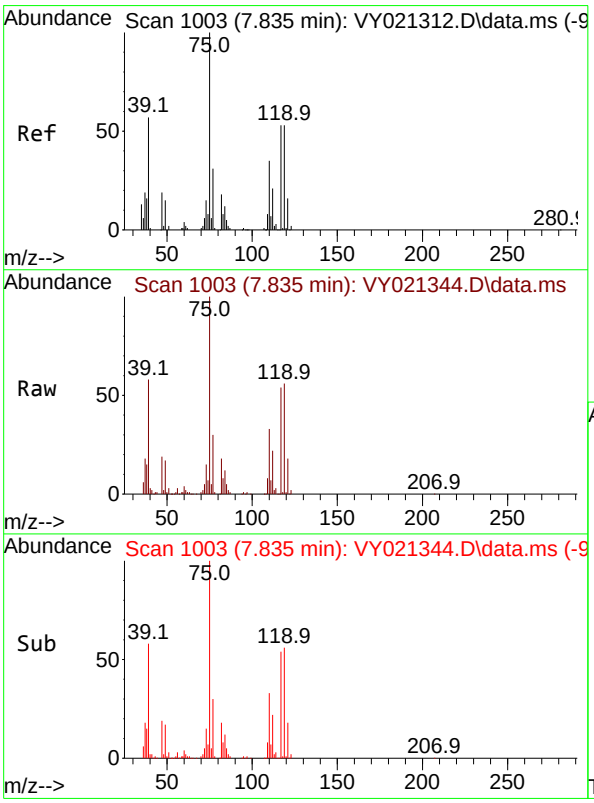
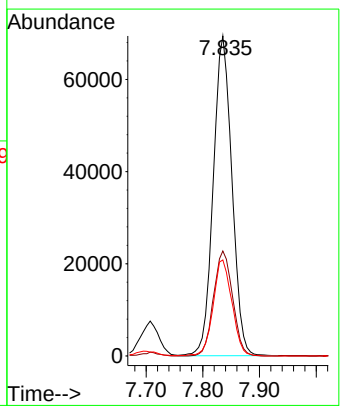
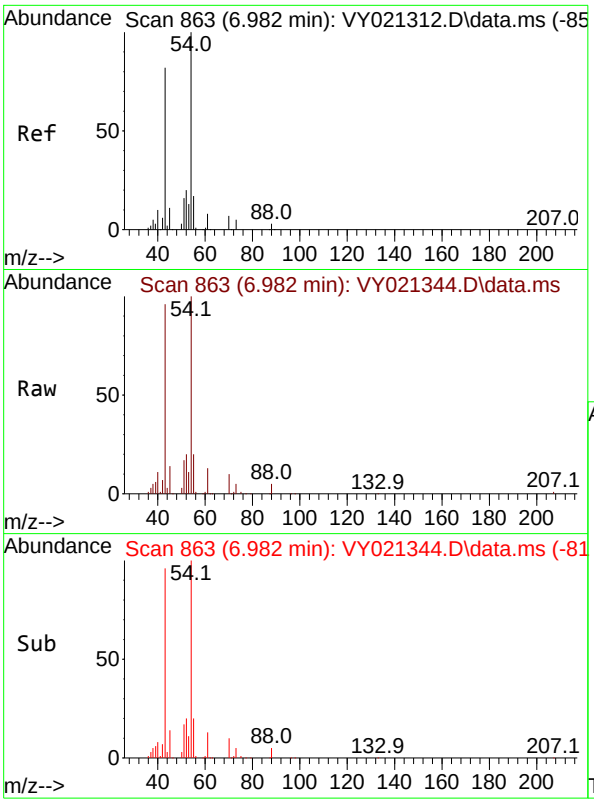



#36
1,1-Dichloropropene
Concen: 46.928 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 158713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.5 | 16.9 | 50.7 |
| 77 | 30.3 | 24.6 | 36.8 |

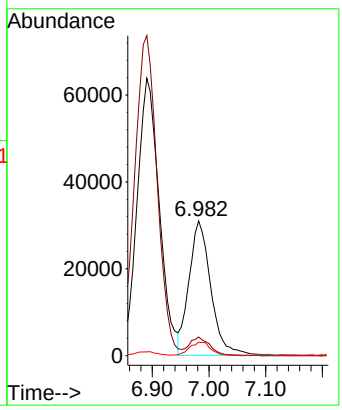





#37
Ethyl Acetate
Concen: 48.999 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 8243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.8 | 10.4 | 15.6 |
| 70 | 10.0 | 7.5 | 11.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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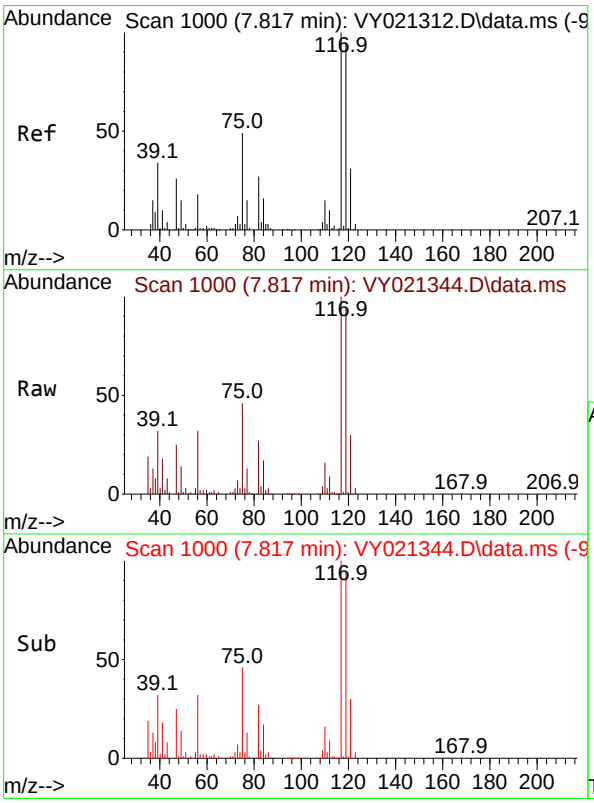
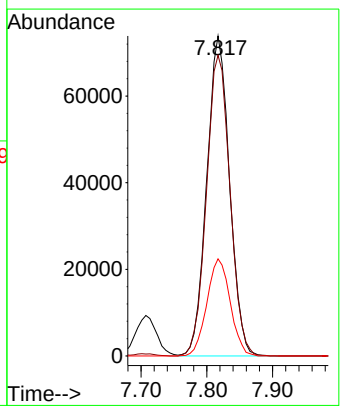
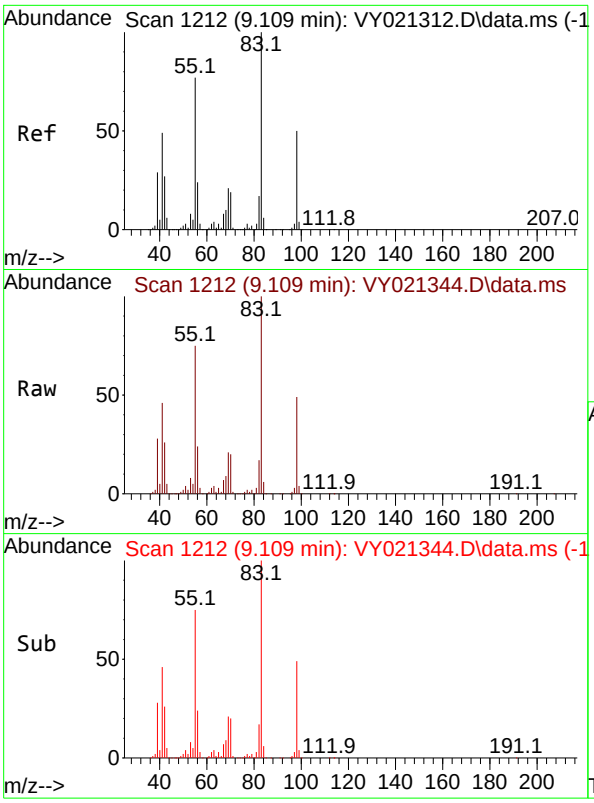



#38
Carbon Tetrachloride
Concen: 46.933 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 178448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.9 | 76.0 | 114.0 |
| 121 | 30.4 | 24.9 | 37.3 |






#39
Methylcyclohexane
Concen: 44.707 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 19124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.2 | 61.3 | 91.9 |
| 98 | 49.0 | 39.9 | 59.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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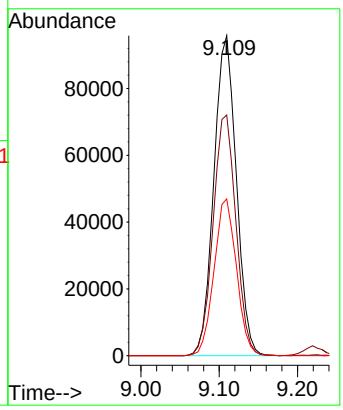
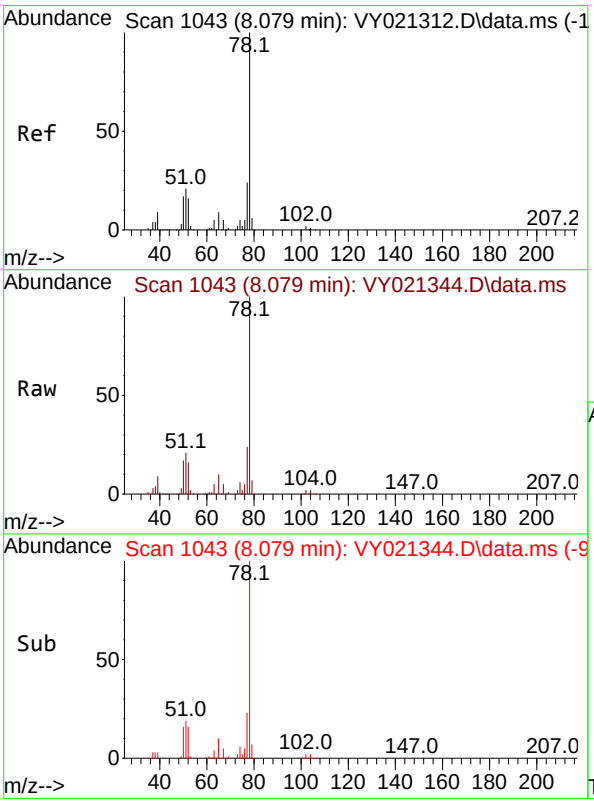
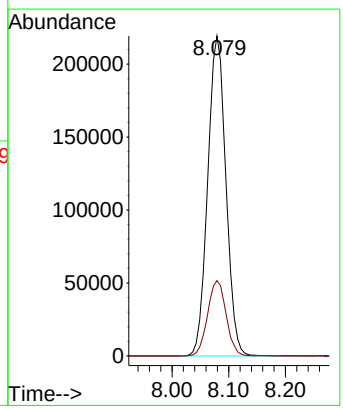


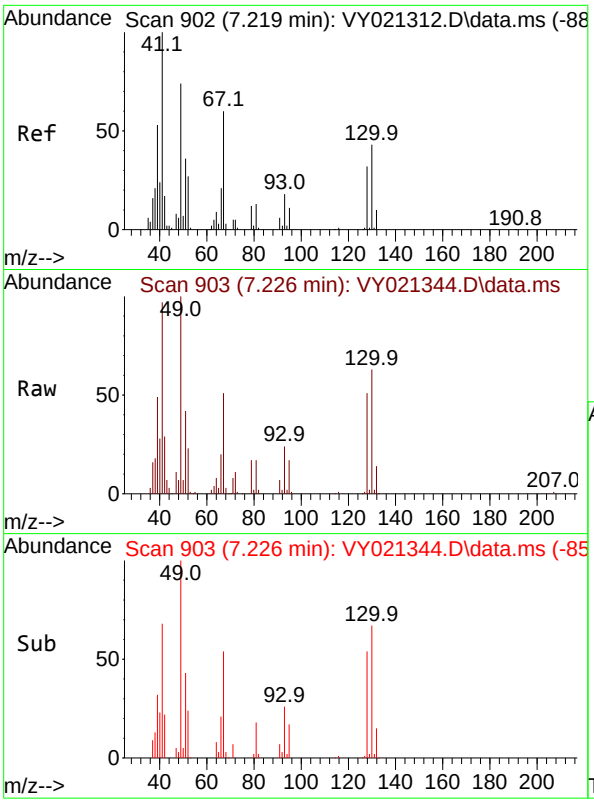




#40
Benzene
Concen: 48.823 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 78 Resp: 488113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.6 | 19.2 | 28.8 |

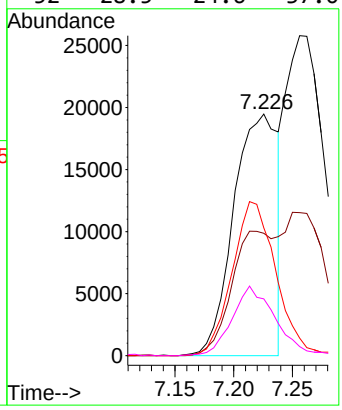





#41
Methacrylonitrile
Concen: 54.039 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 5083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 46.4 | 42.3 | 63.5 |
| 67 | 63.7 | 54.8 | 82.2 |
| 52 | 28.5 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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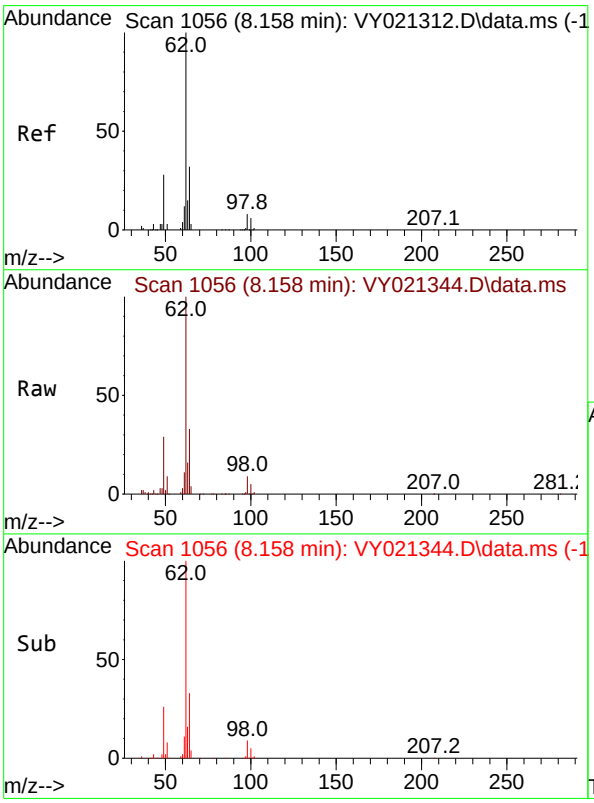
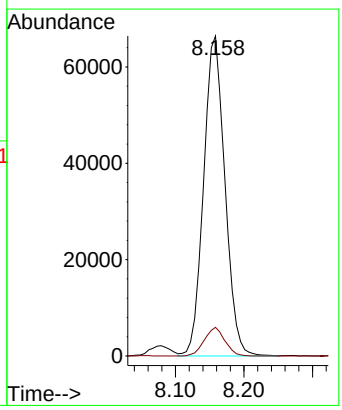
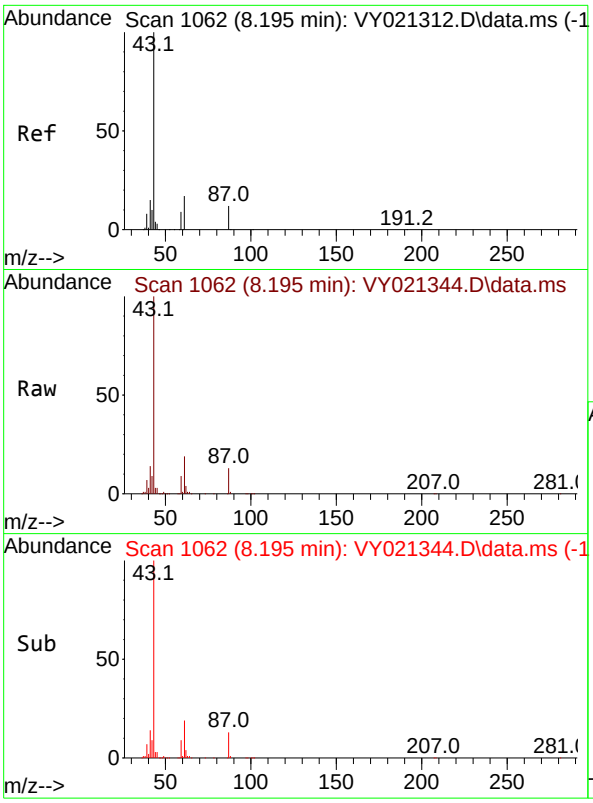



#42
1,2-Dichloroethane
Concen: 50.672 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 143731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 17.6 |

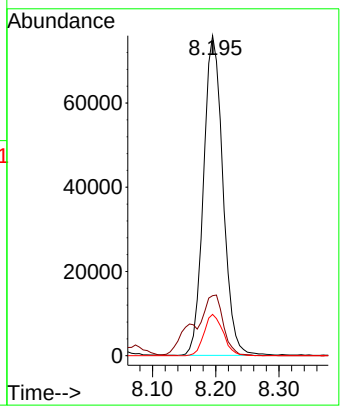





#43
Isopropyl Acetate
Concen: 49.861 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 16236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.5 | 15.0 | 22.6 |
| 87 | 12.7 | 10.0 | 15.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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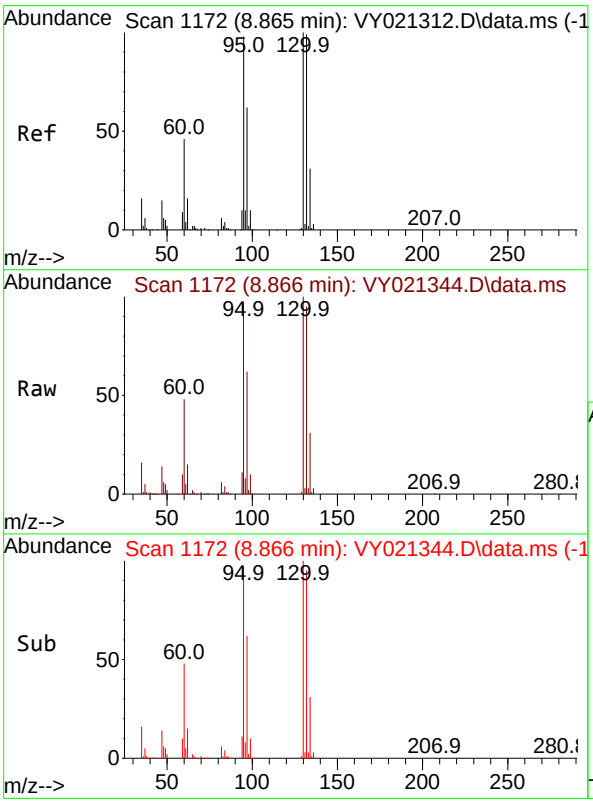
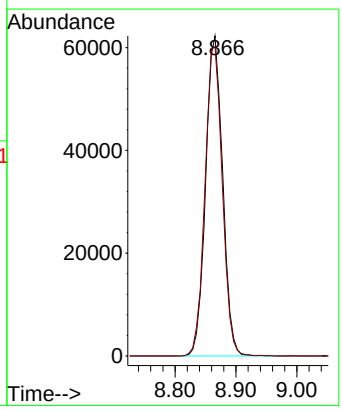
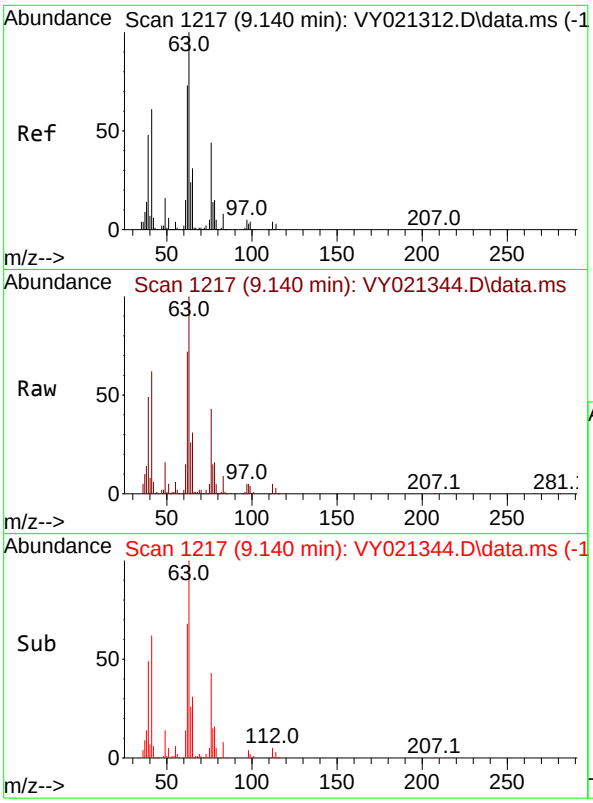



#44
Trichloroethene
Concen: 48.271 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:130 Resp: 120825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.6 | 0.0 | 196.0 |

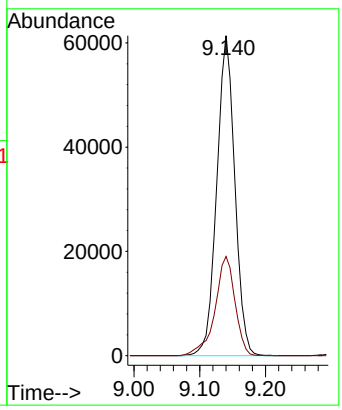





#45
1,2-Dichloropropane
Concen: 48.736 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 11725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.0 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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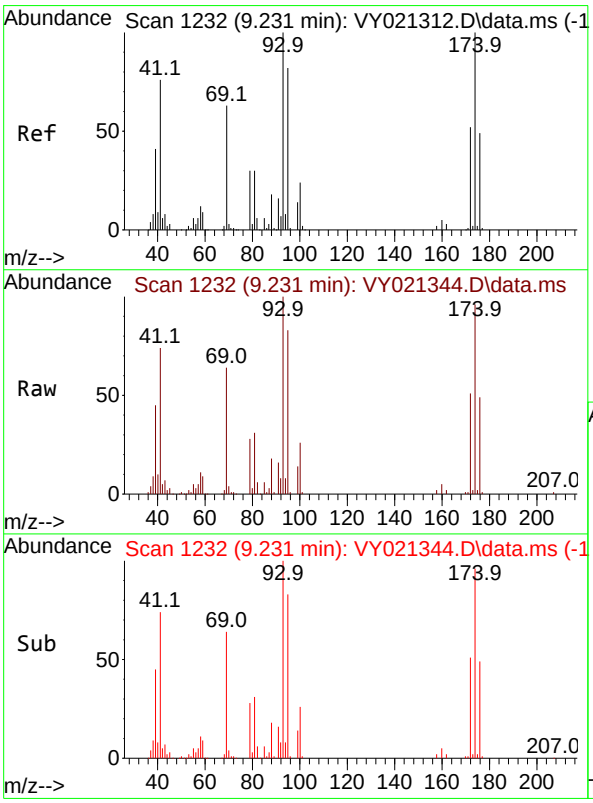
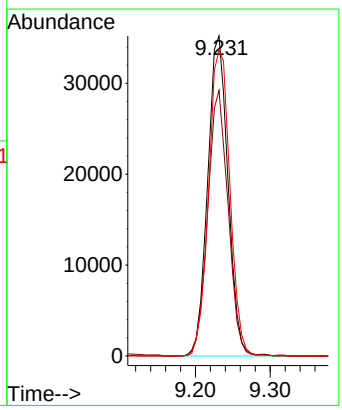
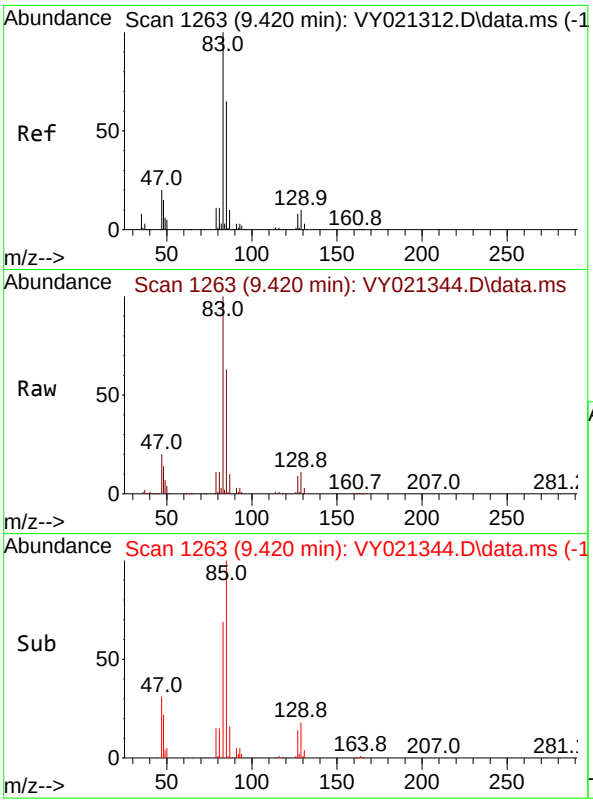



#46
Dibromomethane
Concen: 50.499 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 93 Resp: 66414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 66.4 | 99.6 |
| 174 | 100.3 | 78.2 | 117.2 |

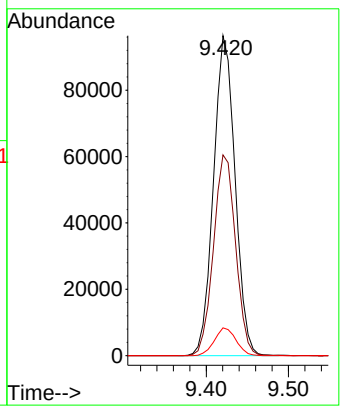





#47
Bromodichloromethane
Concen: 50.086 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 17563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.8 | 51.8 | 77.8 |
| 127 | 8.7 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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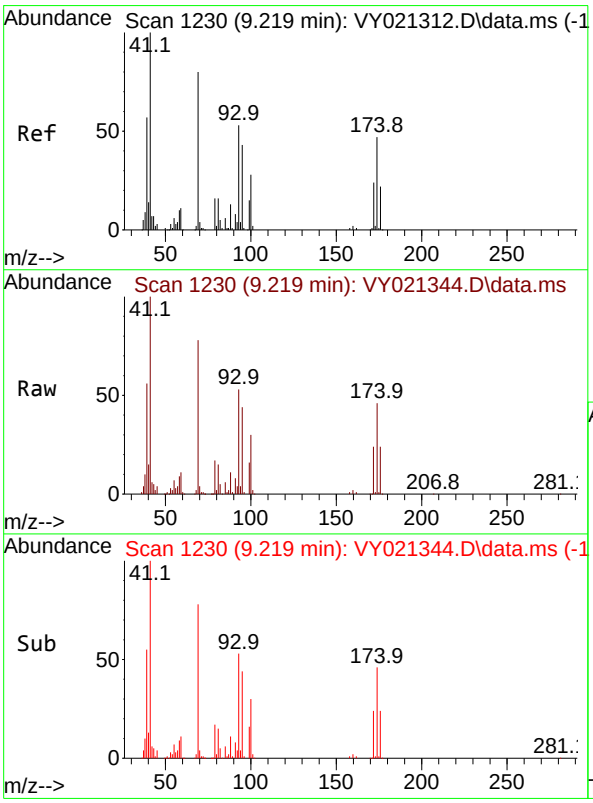
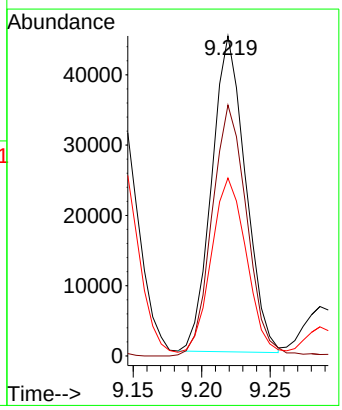
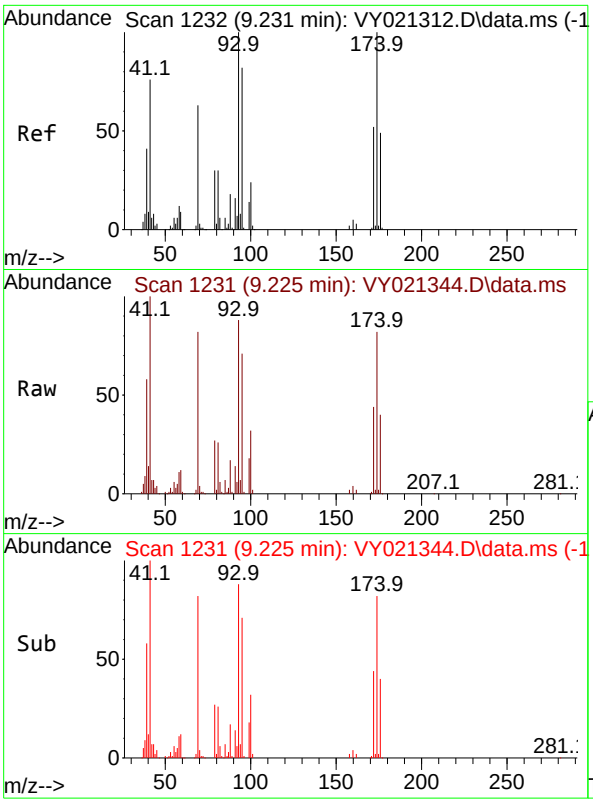



#48
Methyl methacrylate
Concen: 50.619 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 77080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.7 | 63.3 | 94.9 |
| 39 | 57.1 | 45.0 | 67.6 |

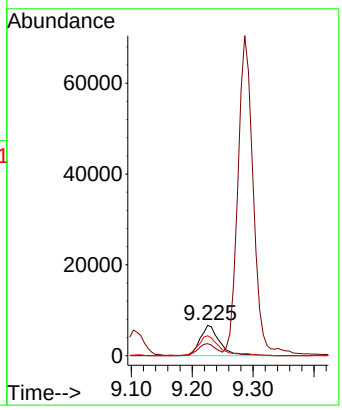





#49
1,4-Dioxane
Concen: 1015.844 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 88 Resp: 1485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 34.7 | 34.8 | 52.2 |
| 58 | 72.1 | 59.8 | 89.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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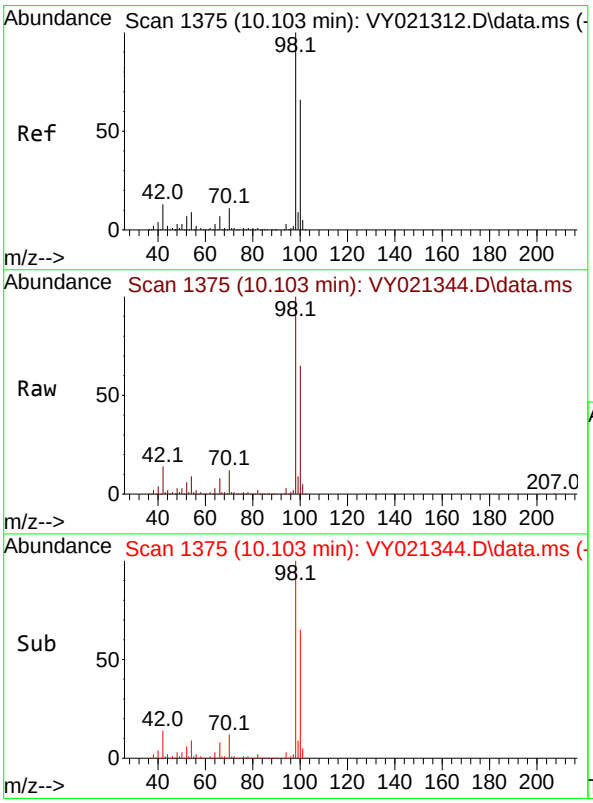
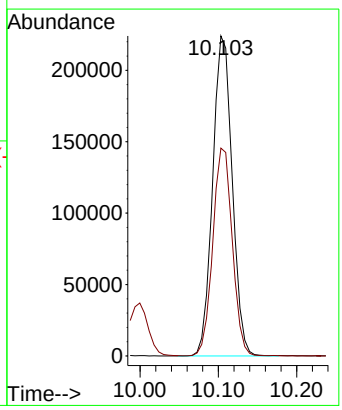
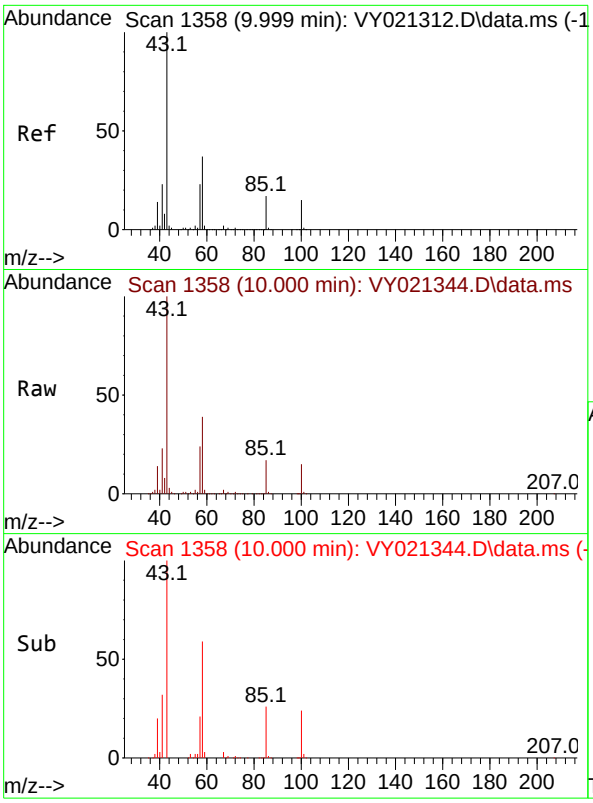



#50
Toluene-d8
Concen: 44.650 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 98 Resp: 388525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 52.4 | 78.6 |

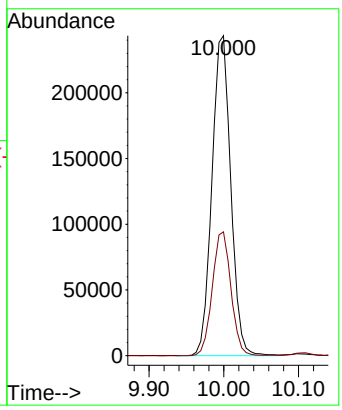





#51
4-Methyl-2-Pentanone
Concen: 254.988 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 42503

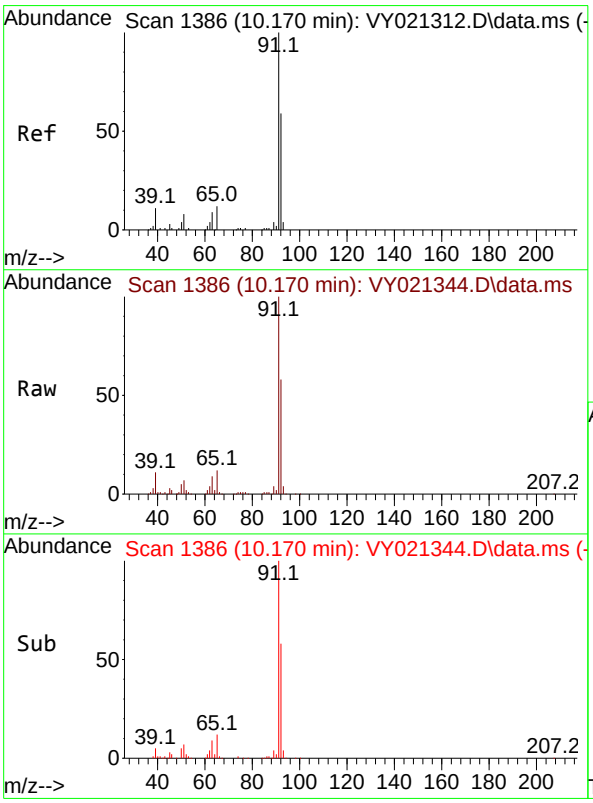
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.5 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

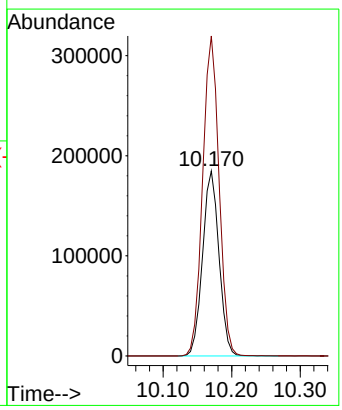
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

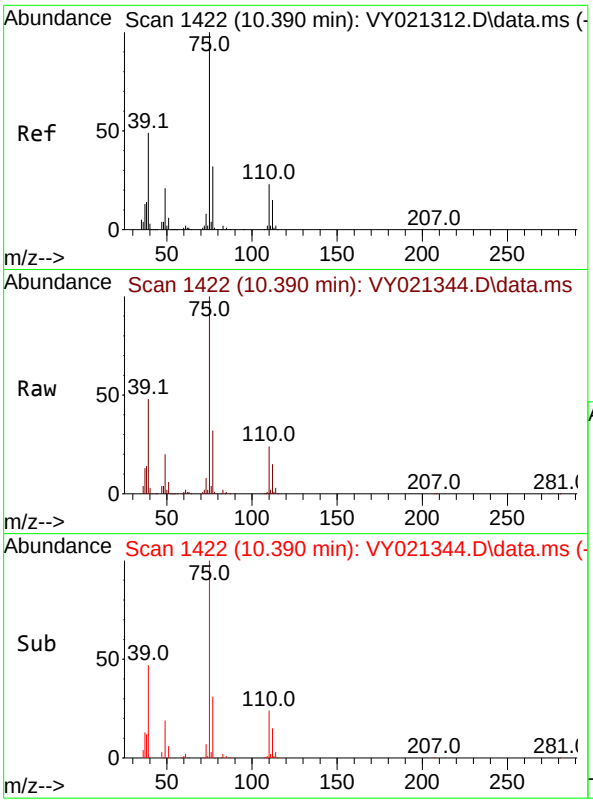



#52
Toluene
Concen: 49.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 92 Resp: 307967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.1 | 137.8 | 206.8 |

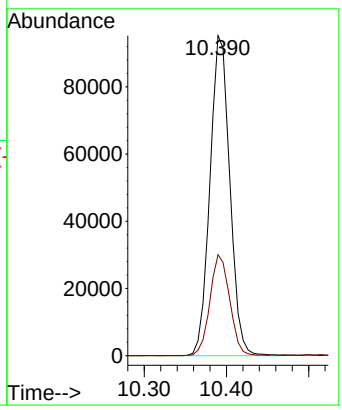





#53
t-1,3-Dichloropropene
Concen: 49.701 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 15967

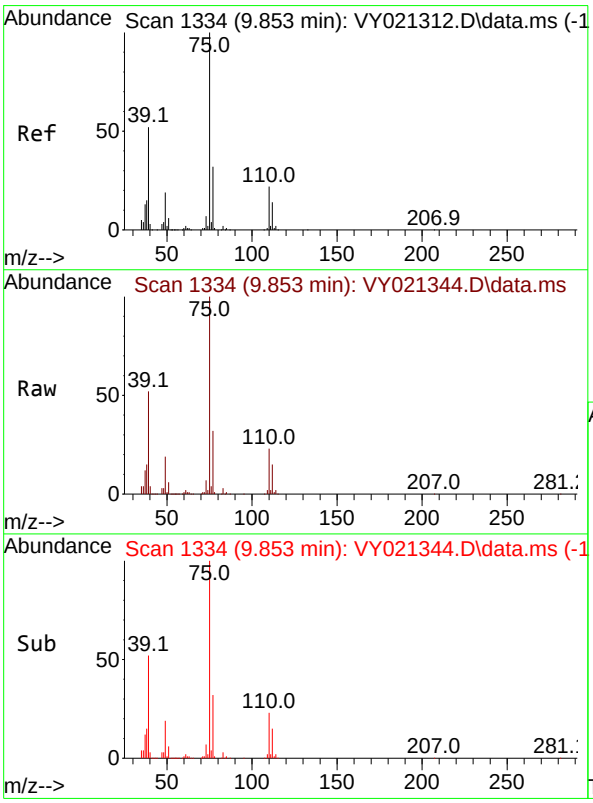
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.3 | 37.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

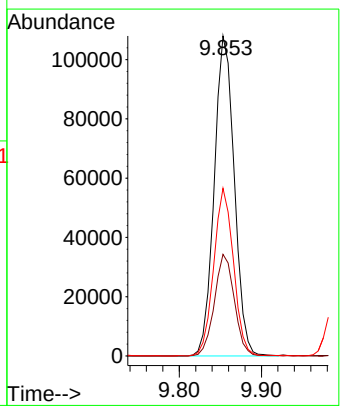
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

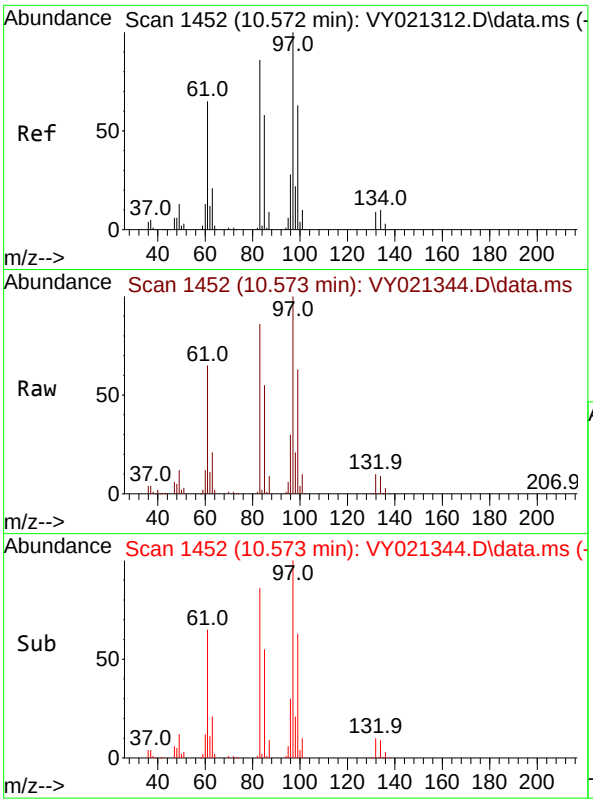



#54
cis-1,3-Dichloropropene
Concen: 48.340 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 183344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.7 | 38.5 |
| 39 | 52.3 | 41.8 | 62.6 |

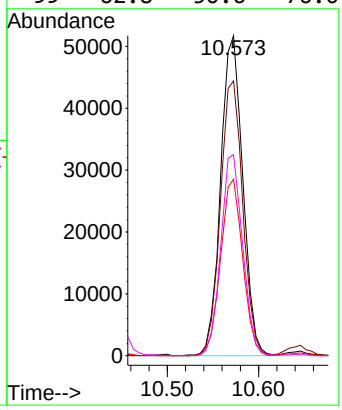





#55
1,1,2-Trichloroethane
Concen: 50.858 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 97 Resp: 8713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.9 | 68.7 | 103.1 |
| 85 | 55.1 | 46.3 | 69.5 |
| 99 | 62.8 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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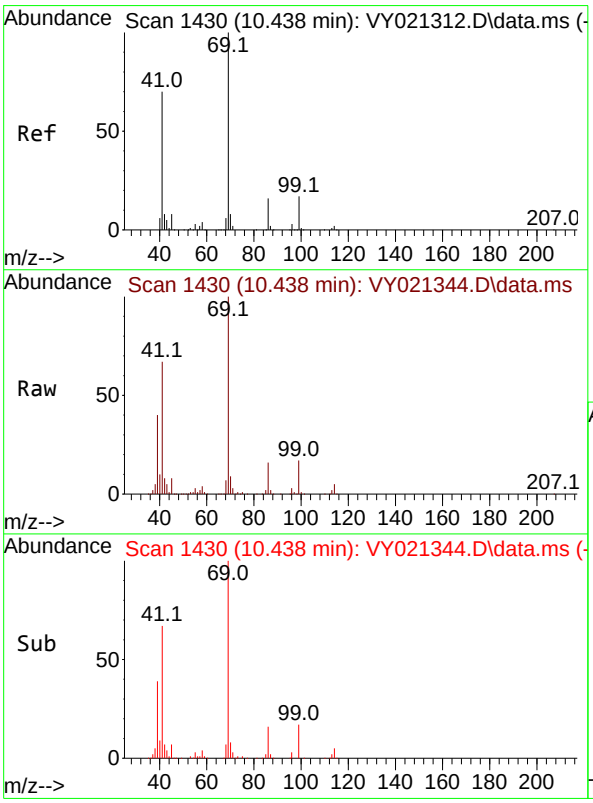
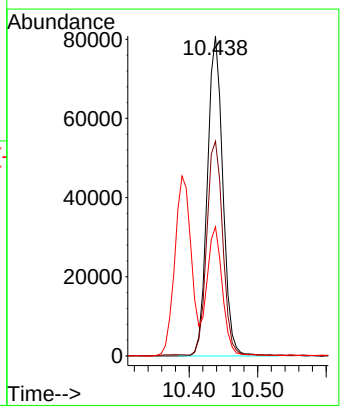
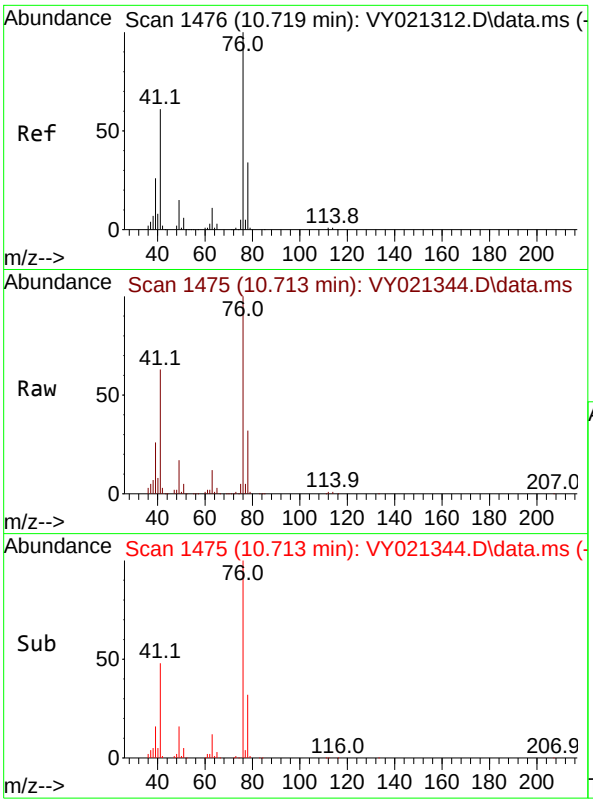



#56
Ethyl methacrylate
Concen: 53.738 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 69 Resp: 127215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.8 | 56.2 | 84.4 |
| 39 | 40.0 | 32.7 | 49.1 |

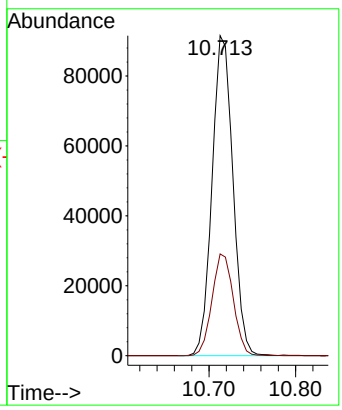





#57
1,3-Dichloropropane
Concen: 50.818 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 76 Resp: 15278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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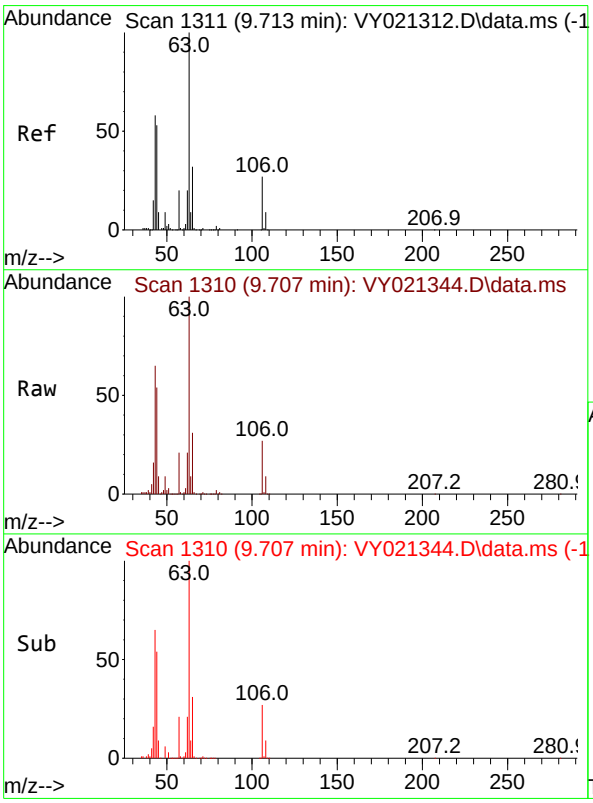
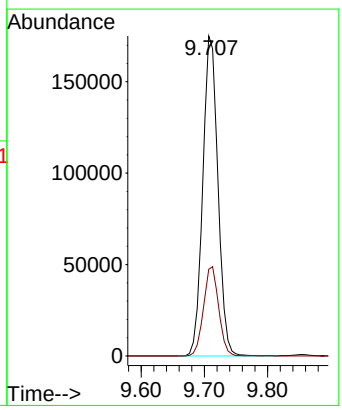
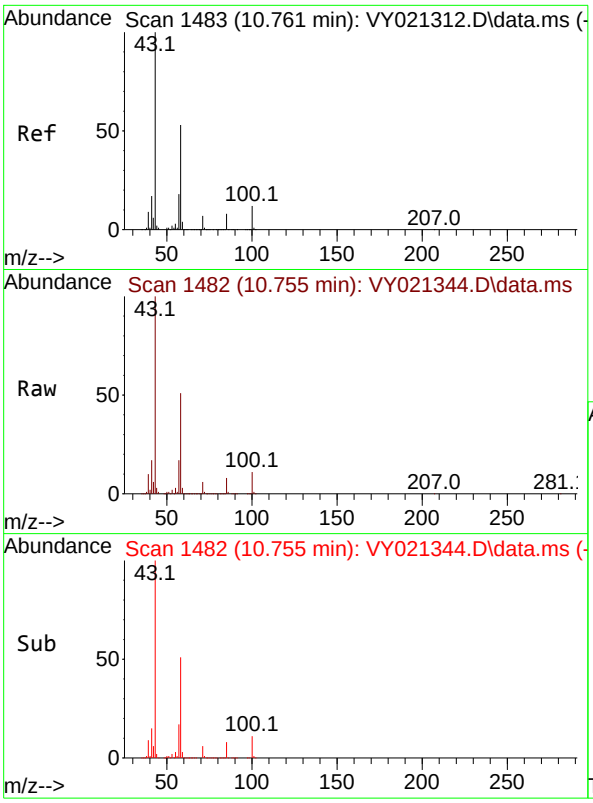



#58
2-Chloroethyl Vinyl ether
Concen: 257.068 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 292101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.9 | 21.7 | 32.5 |






#59
2-Hexanone
Concen: 260.462 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 28513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.7 | 25.9 | 77.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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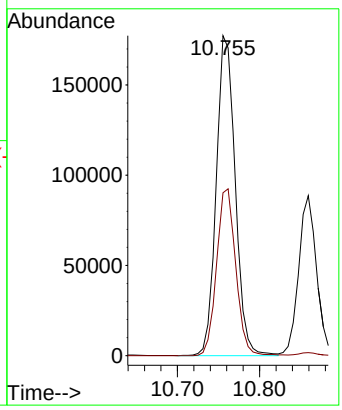
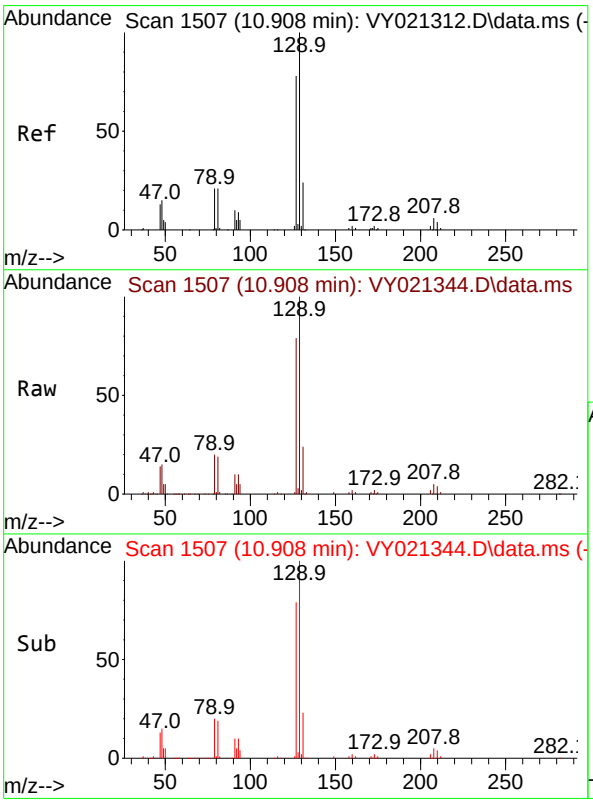
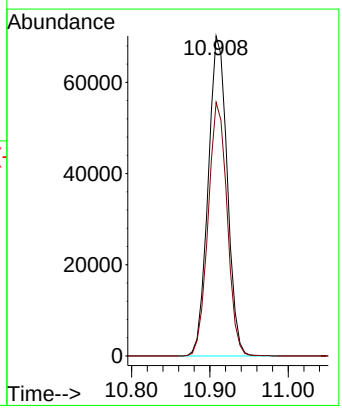


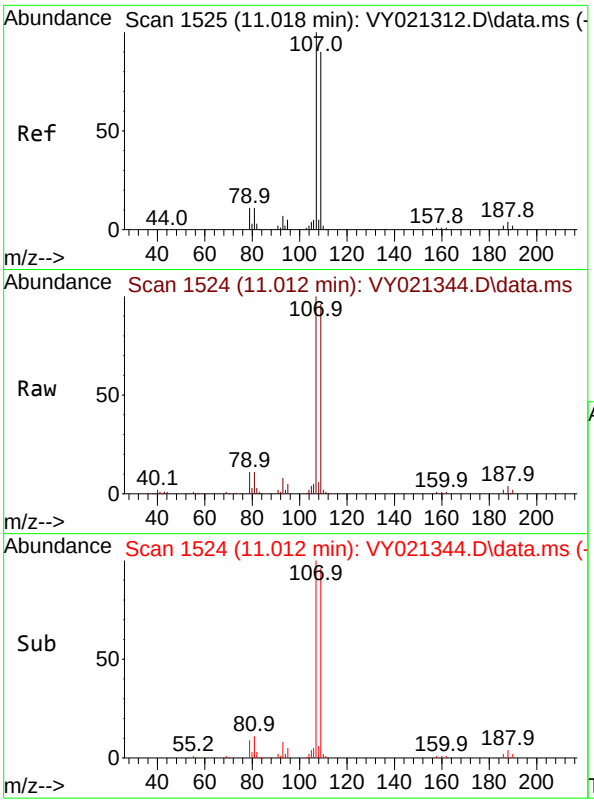




#60
Dibromochloromethane
Concen: 50.788 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:129 Resp: 118508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.8 | 38.8 | 116.4 |






#61
1,2-Dibromoethane
Concen: 50.586 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:107 Resp: 8205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.7 | 73.8 | 110.8 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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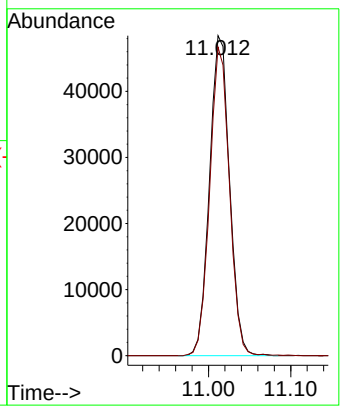
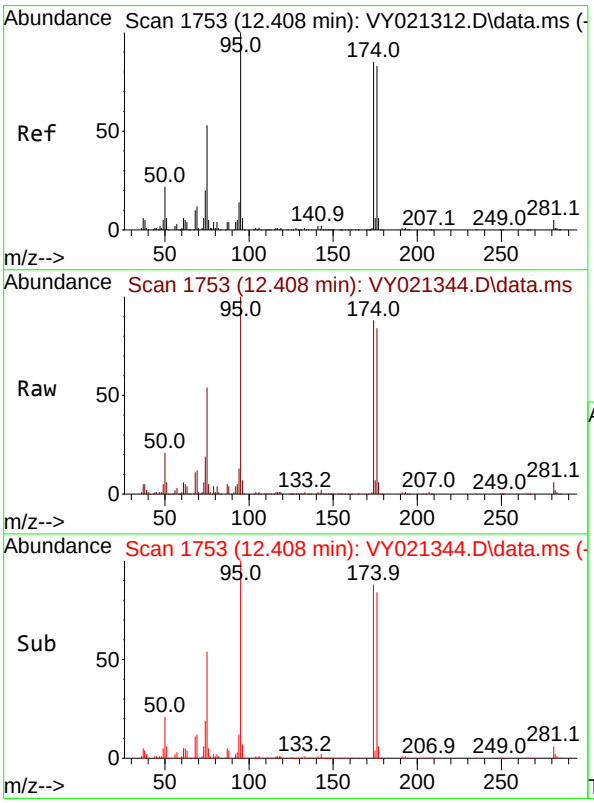
Supervised By :Mahesh Dadoda 02/27/2025

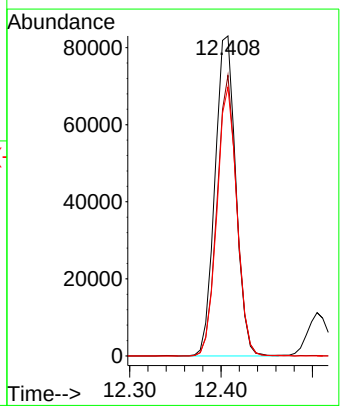


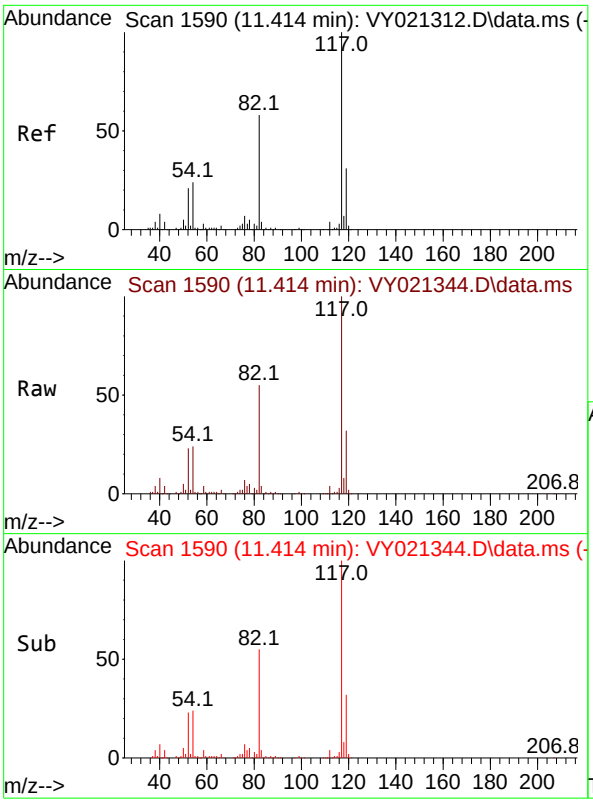




#62
4-Bromofluorobenzene
Concen: 44.933 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 95 Resp: 131584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.7 | 0.0 | 168.0 |
| 176 | 80.5 | 0.0 | 162.6 |

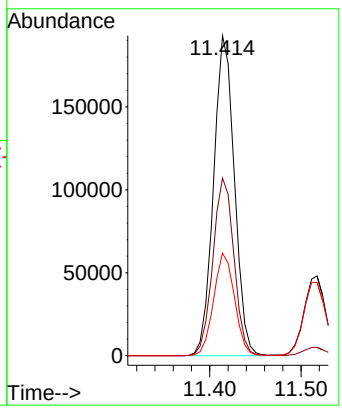





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 30596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.5 | 46.2 | 69.4 |
| 119 | 32.0 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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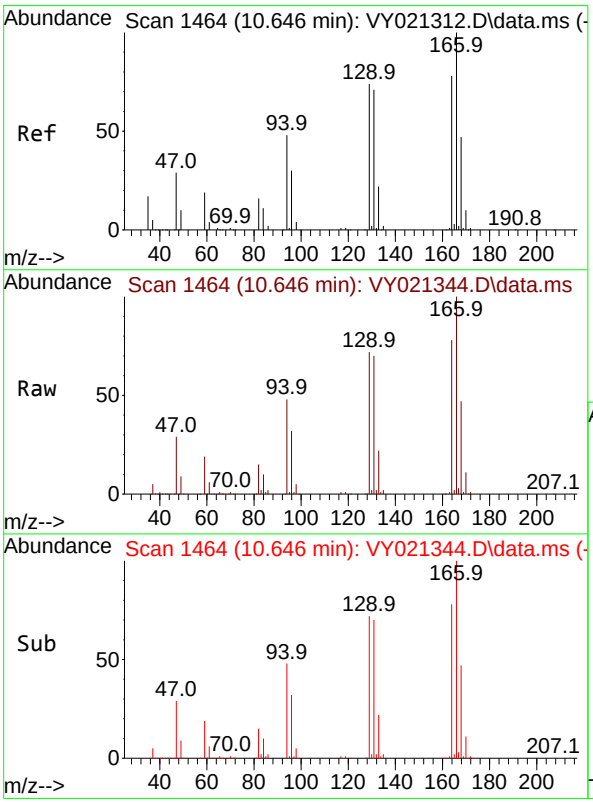
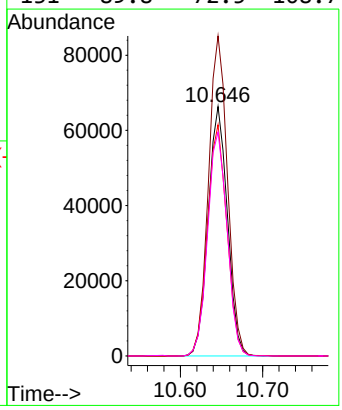
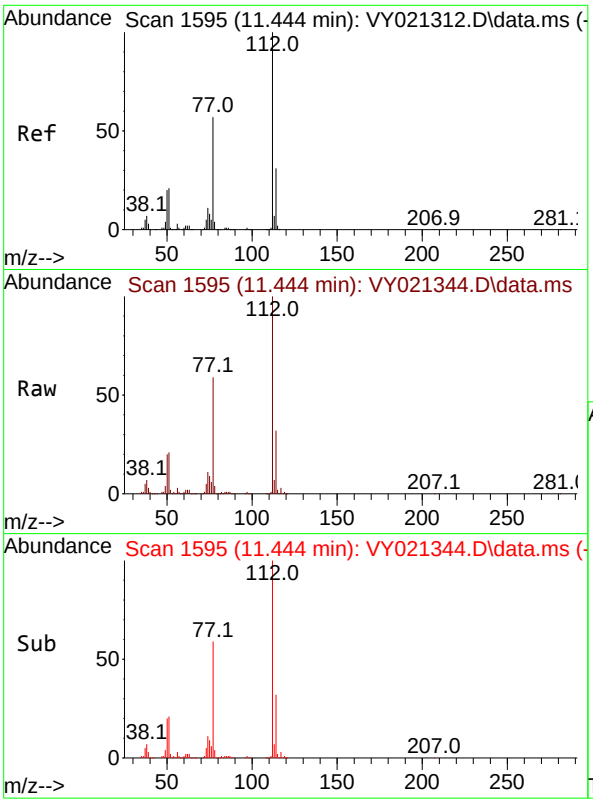



#64
Tetrachloroethene
Concen: 46.783 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:164 Resp: 108193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.3 | 101.9 | 152.9 |
| 129 | 92.7 | 75.5 | 113.3 |
| 131 | 89.8 | 72.5 | 108.7 |

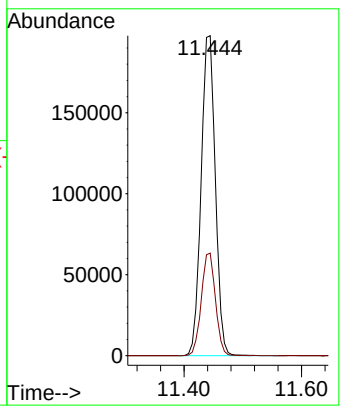





#65
Chlorobenzene
Concen: 48.330 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:112 Resp: 33193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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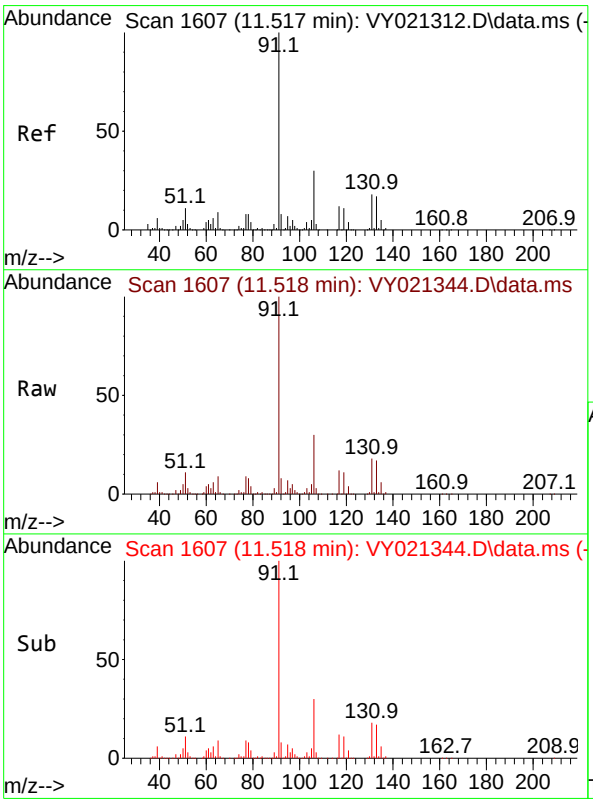
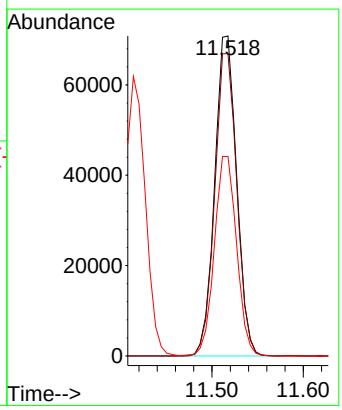
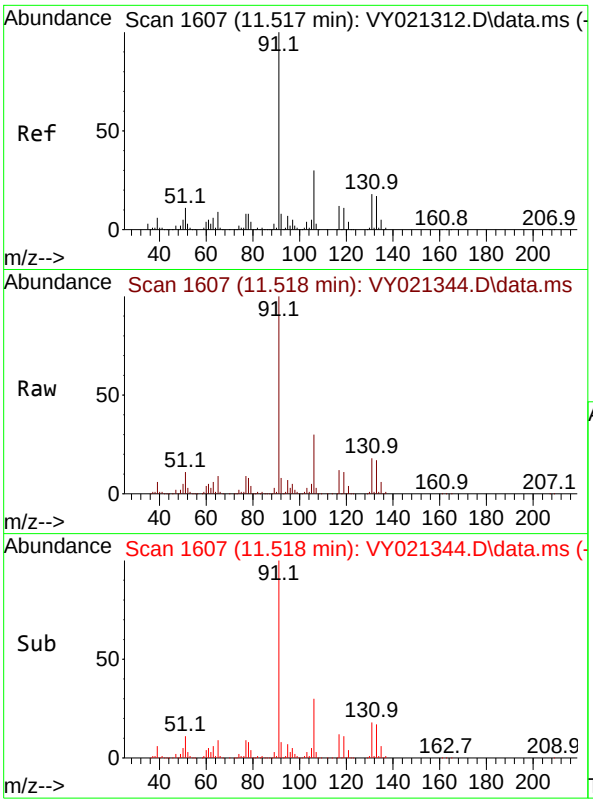



#66
1,1,1,2-Tetrachloroethane
Concen: 49.313 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:131 Resp: 118595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.1 | 47.9 | 143.6 |
| 119 | 63.2 | 31.7 | 95.1 |

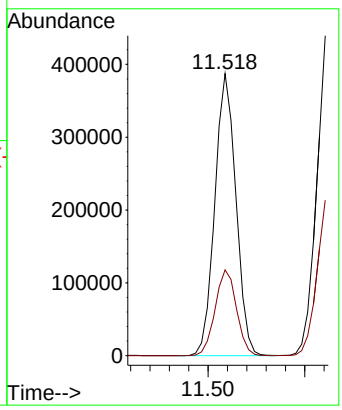





#67
Ethyl Benzene
Concen: 48.106 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 58523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 24.4 | 36.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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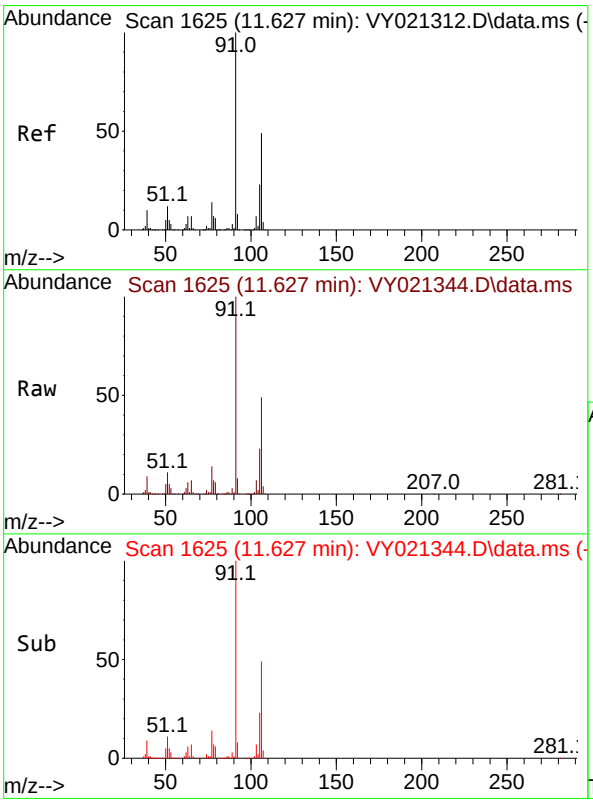
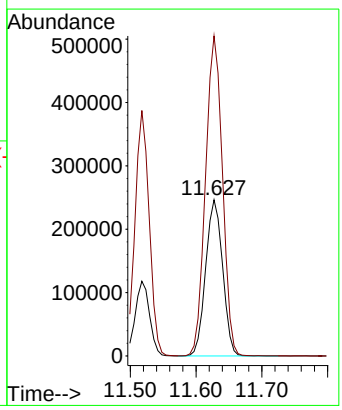
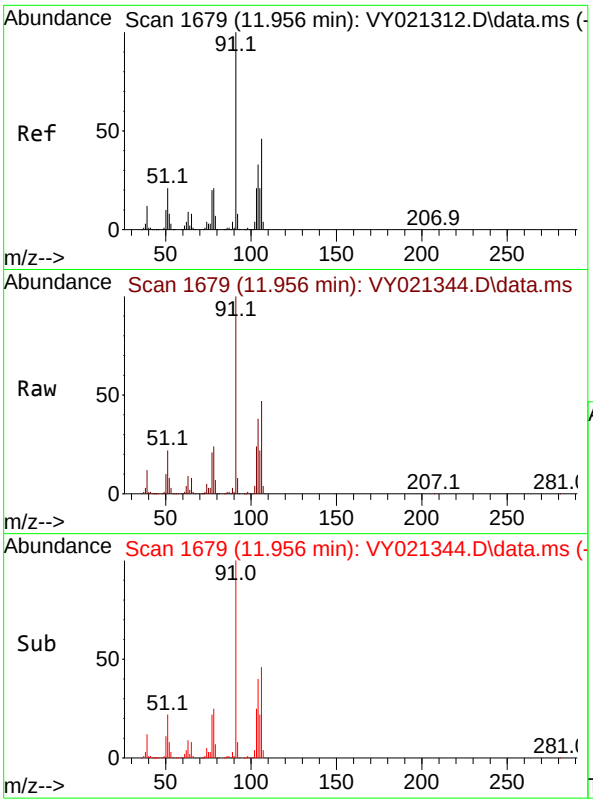



#68
m/p-Xylenes
Concen: 96.556 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:106 Resp: 441830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.2 | 163.9 | 245.9 |






#69
o-Xylene
Concen: 49.544 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

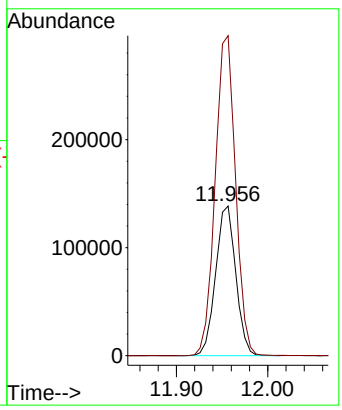
Tgt Ion:106 Resp: 21238

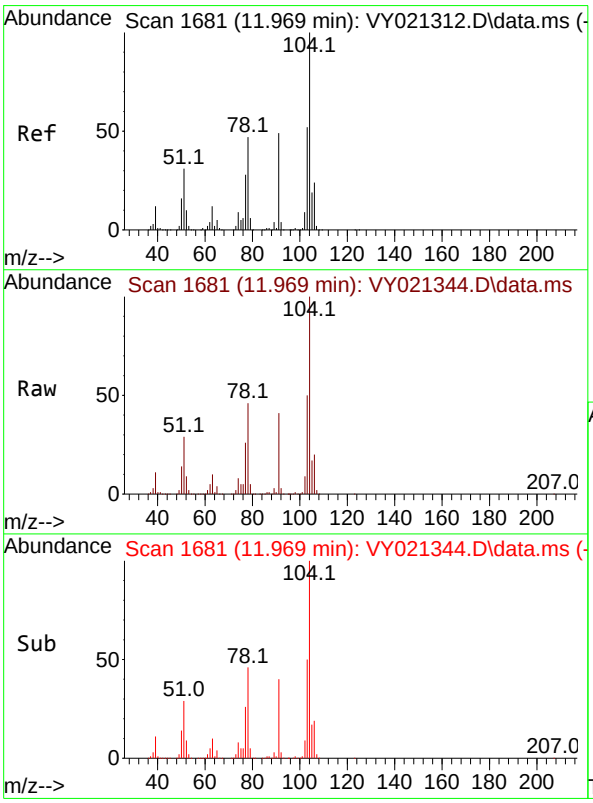
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.1 | 108.1 | 324.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

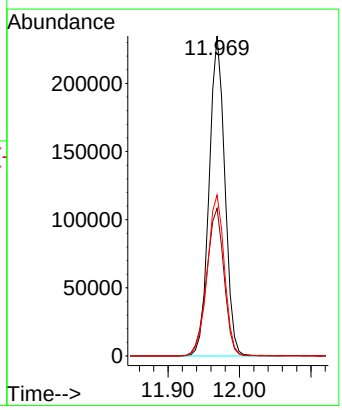


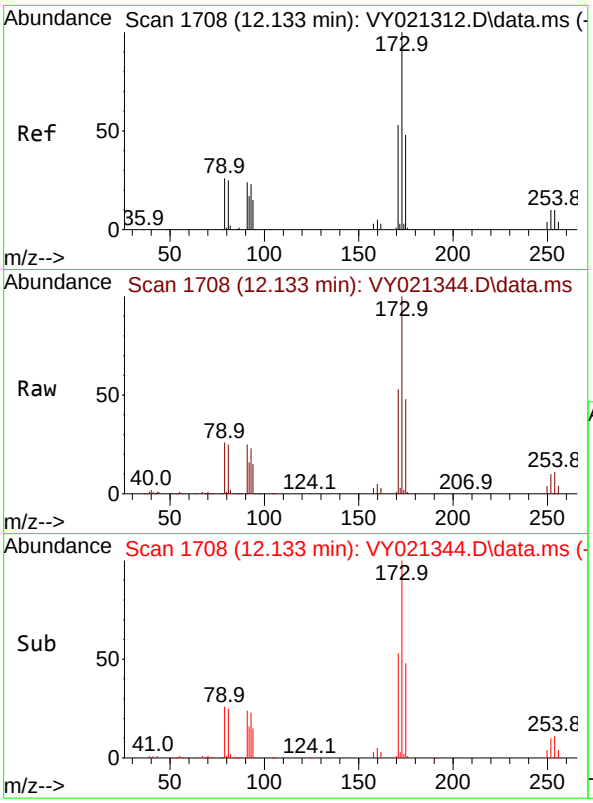




#70
Styrene
Concen: 50.170 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:104 Resp: 357830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.4 | 41.3 | 61.9 |
| 103 | 54.8 | 43.9 | 65.9 |

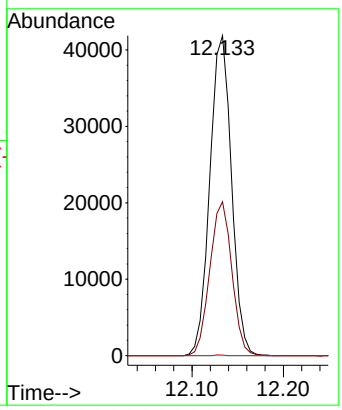





#71
Bromoform
Concen: 50.071 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:173 Resp: 6888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.1 | 72.3 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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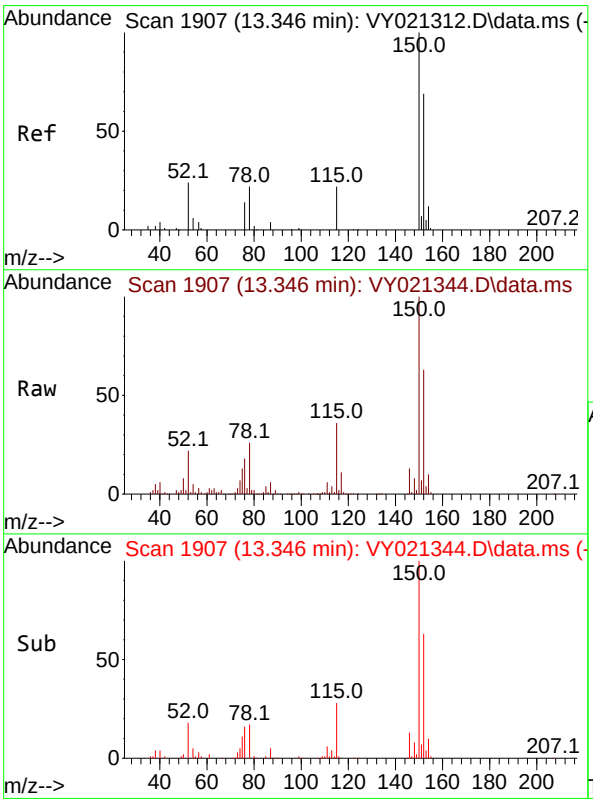
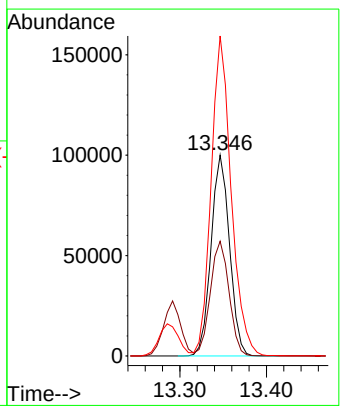
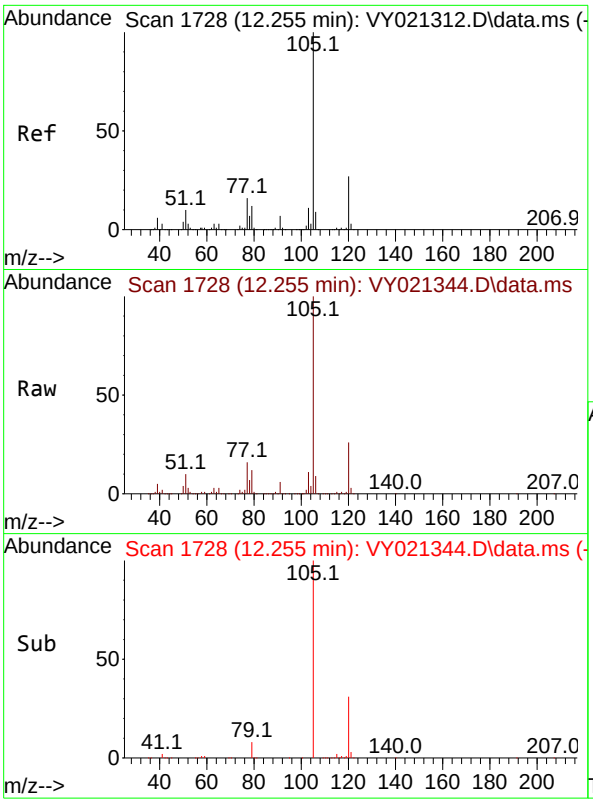



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:152 Resp: 148168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.1 | 29.3 | 88.0 |
| 150 | 173.1 | 0.0 | 347.4 |

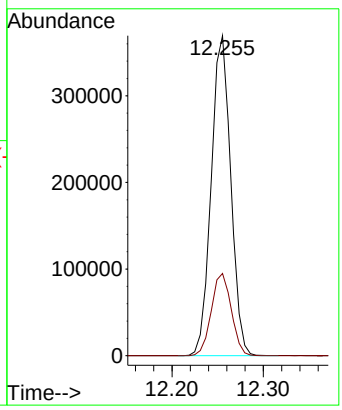





#73
Isopropylbenzene
Concen: 49.240 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 54849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.3 | 39.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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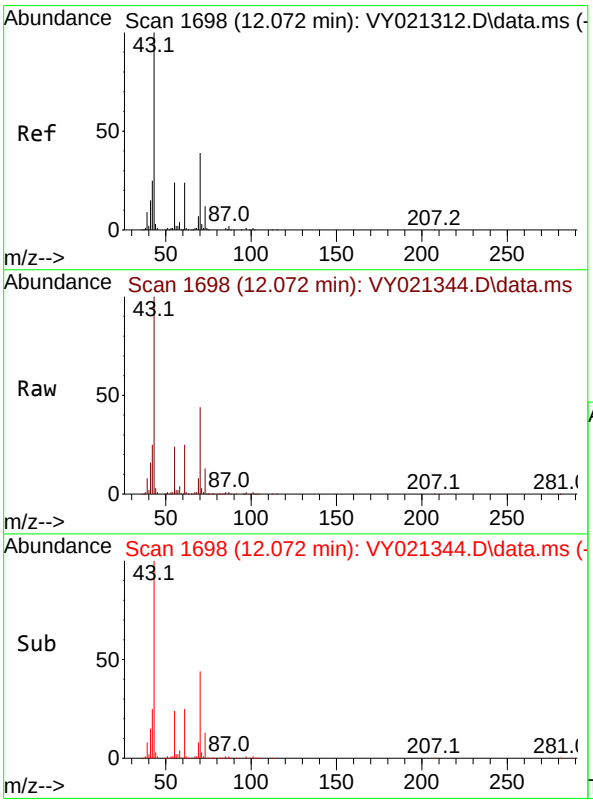
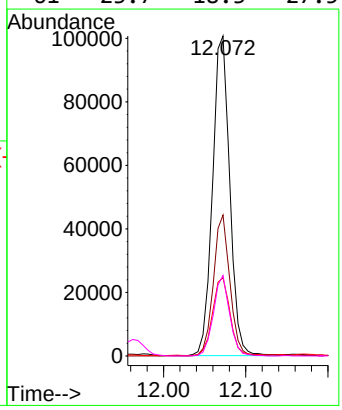
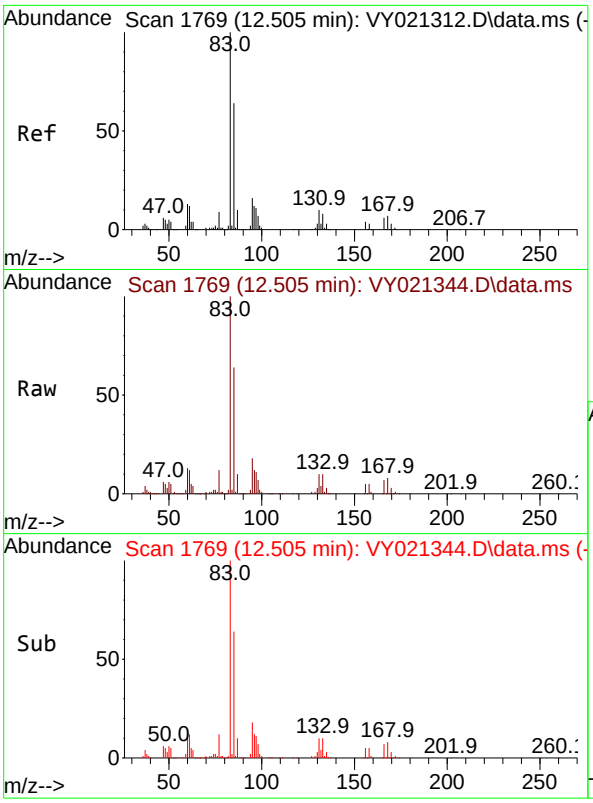



#74
N-amyl acetate
Concen: 51.825 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 146735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.1 | 32.2 | 48.2 |
| 55 | 24.8 | 19.6 | 29.4 |
| 61 | 23.7 | 18.3 | 27.5 |

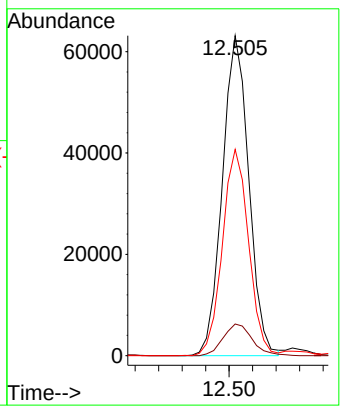





#75
1,1,2,2-Tetrachloroethane
Concen: 50.176 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 9864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 5.2 | 15.6 |
| 85 | 64.0 | 32.0 | 96.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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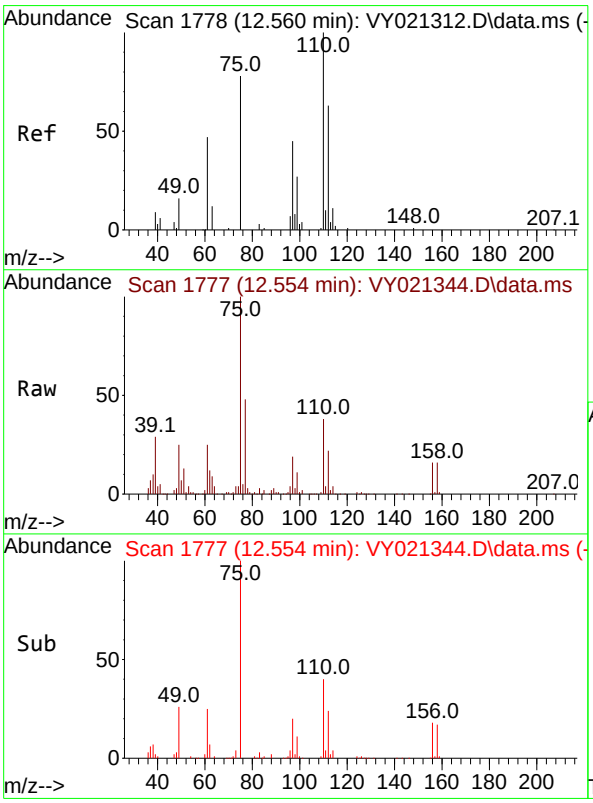
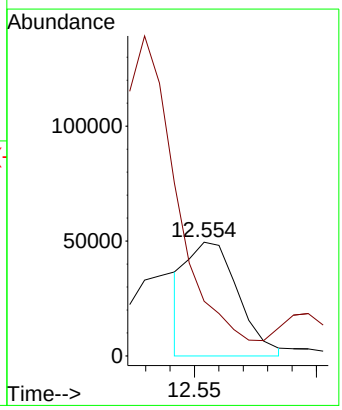
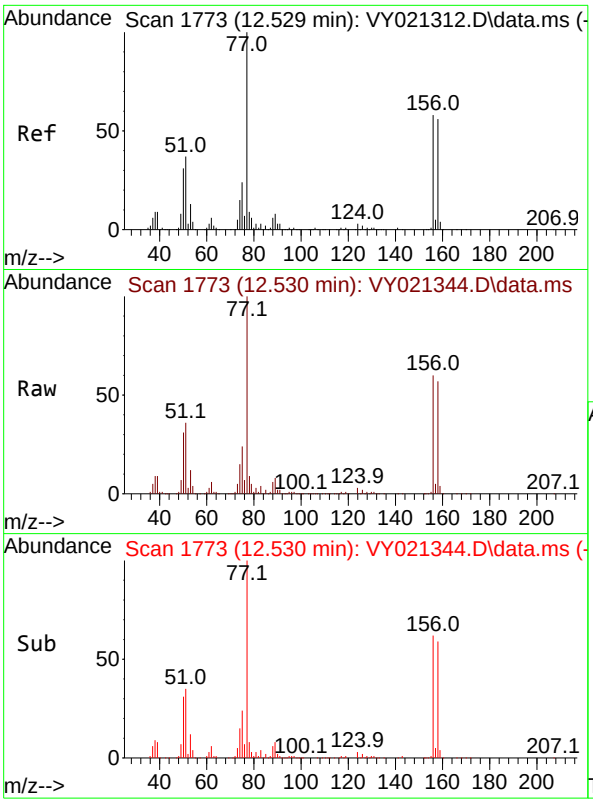



#76
1,2,3-Trichloropropane
Concen: 48.754 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 72307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

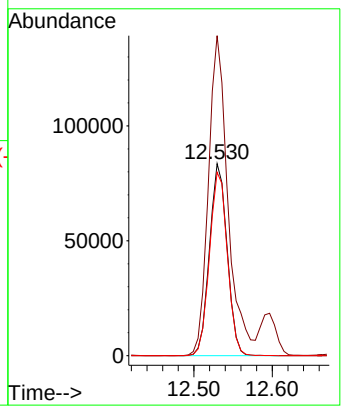





#77
Bromobenzene
Concen: 50.469 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:156 Resp: 13076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 184.7 | 94.0 | 282.1 |
| 158 | 96.6 | 48.7 | 146.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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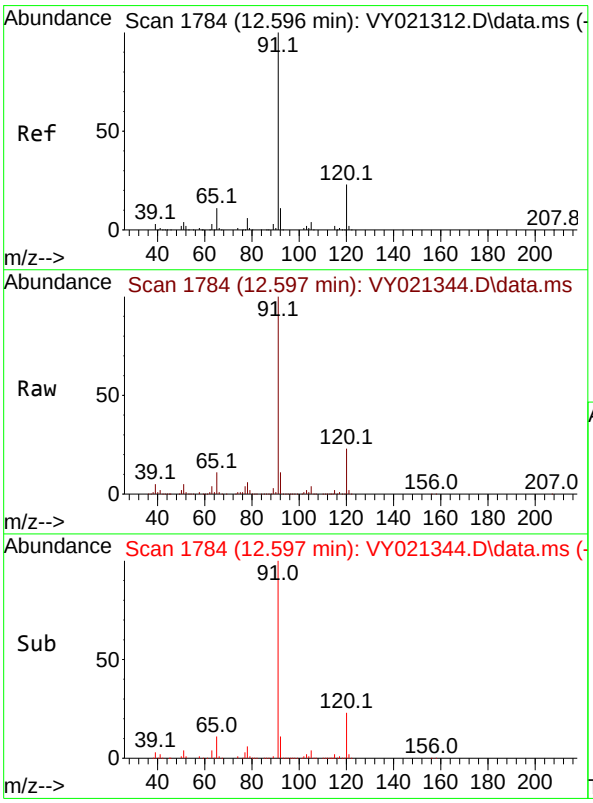
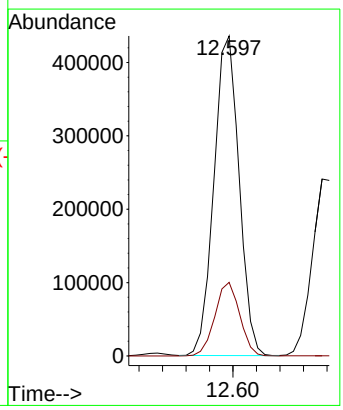
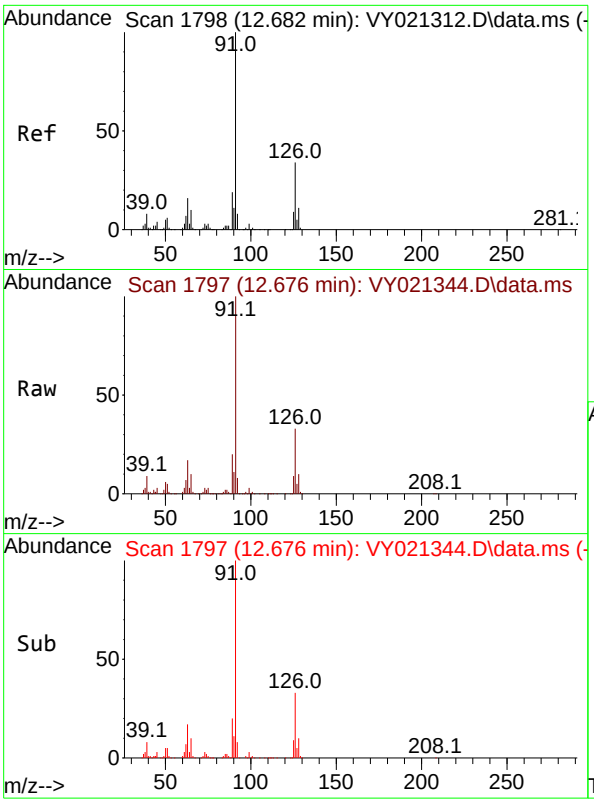



#78
n-propylbenzene
Concen: 47.897 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 647434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.8 | 11.2 | 33.5 |






#79
2-Chlorotoluene
Concen: 49.187 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 38156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.9 | 50.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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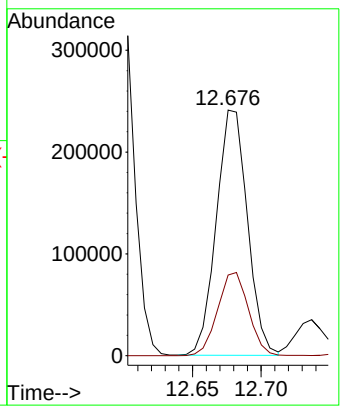
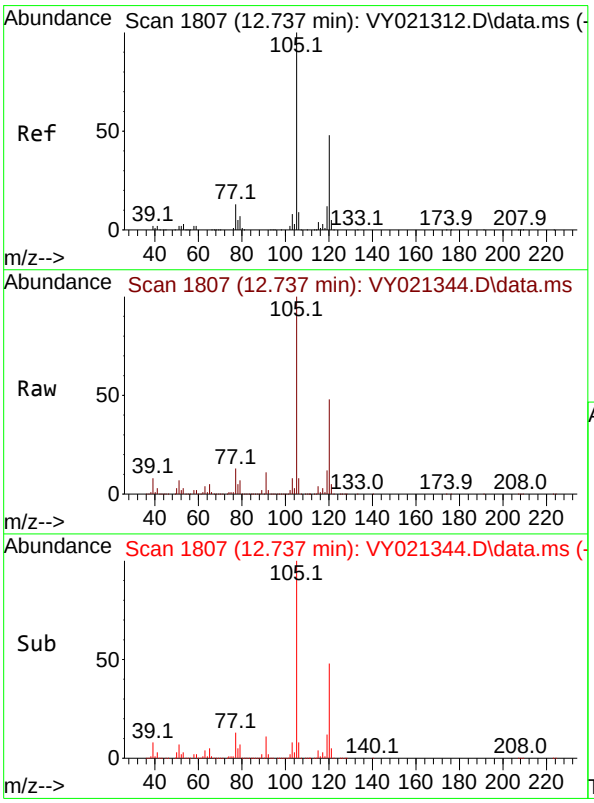
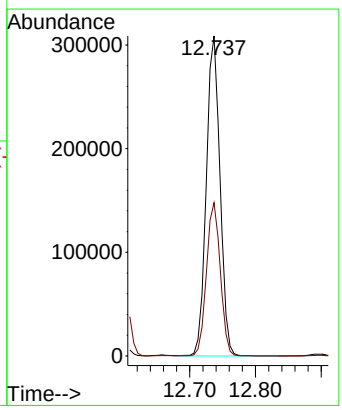


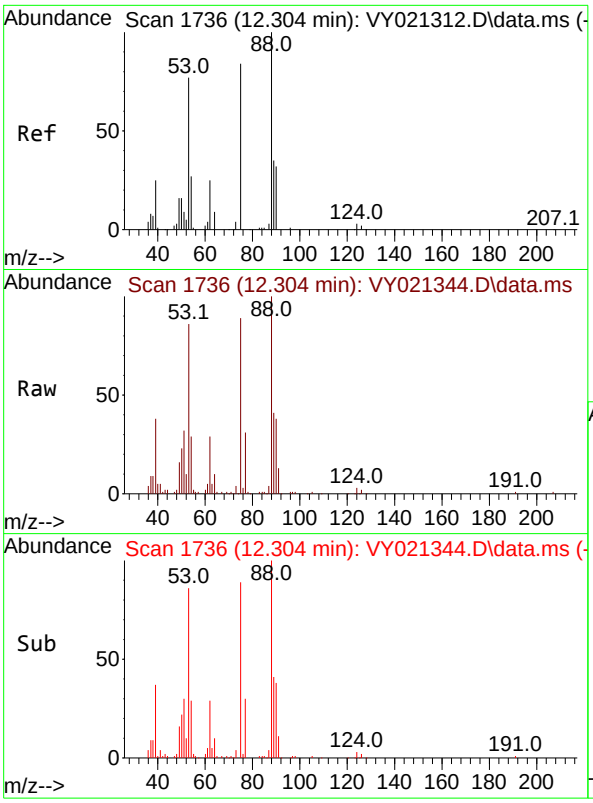




#80
1,3,5-Trimethylbenzene
Concen: 49.048 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 448101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 24.3 | 73.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 47.460 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 3166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 95.9 | 79.1 | 118.7 |
| 89 | 46.7 | 35.6 | 53.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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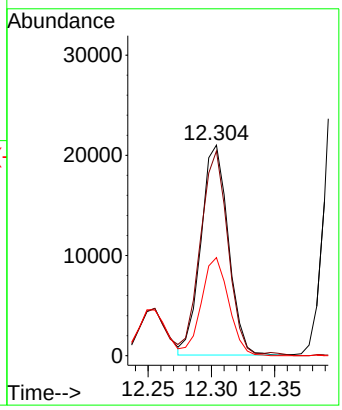
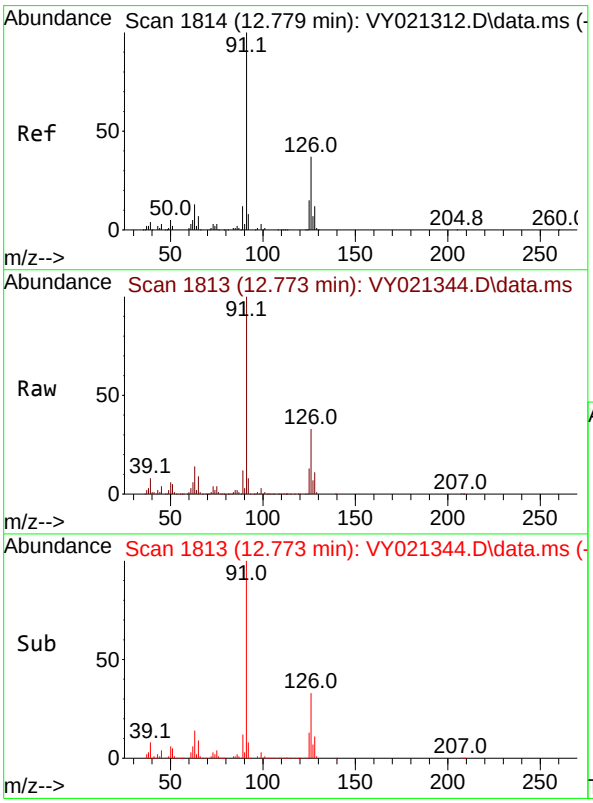
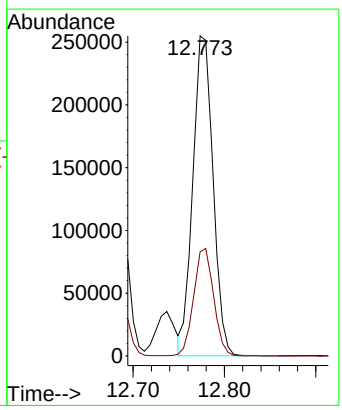


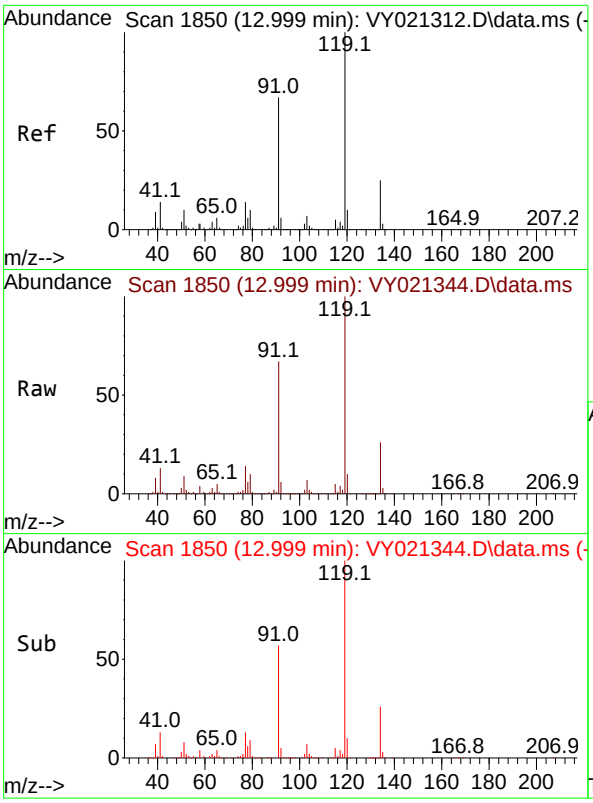




#82
4-Chlorotoluene
Concen: 48.755 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 392065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.8 | 50.4 |

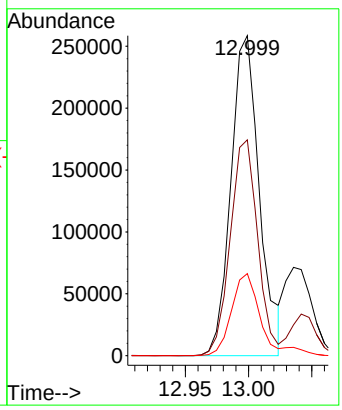





#83
tert-Butylbenzene
Concen: 49.124 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:119 Resp: 40540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.0 | 32.7 | 98.1 |
| 134 | 26.5 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

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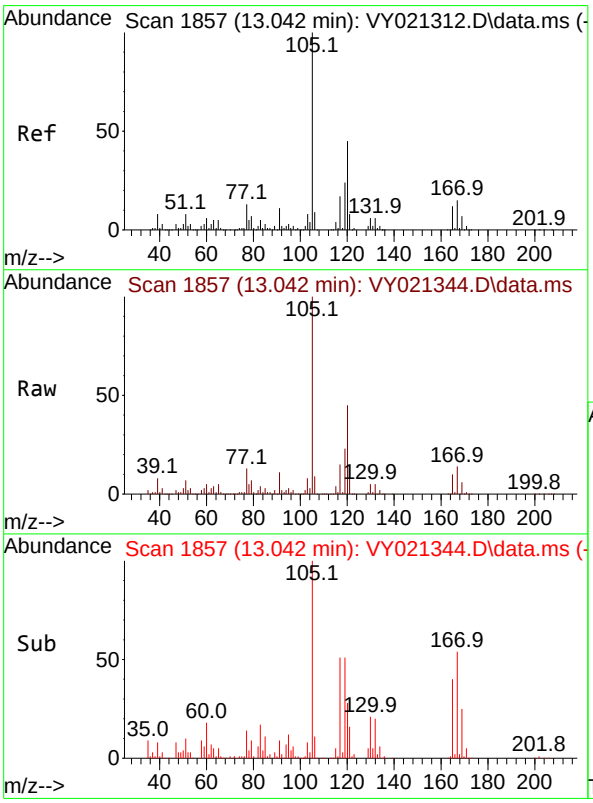
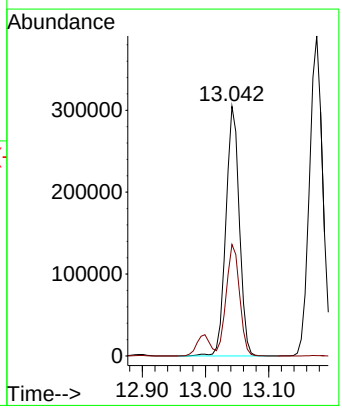
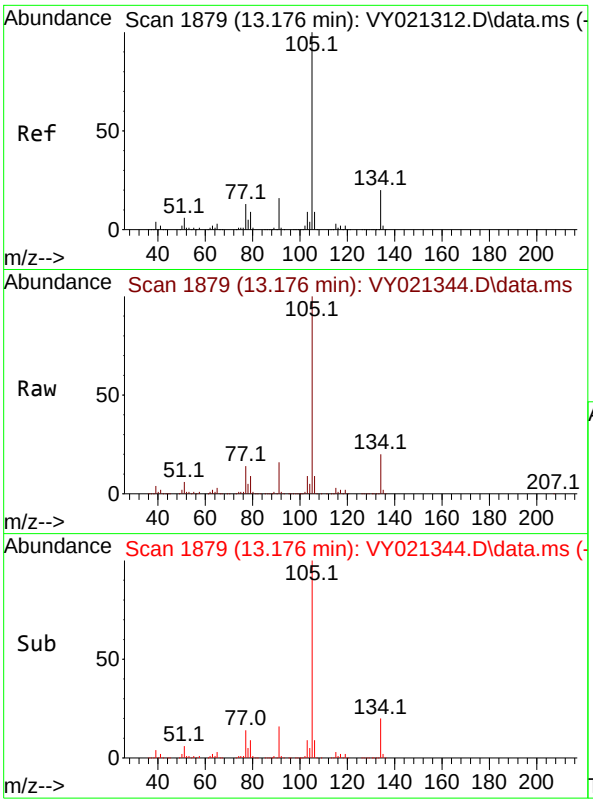



#84
1,2,4-Trimethylbenzene
Concen: 49.422 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 449054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 22.4 | 67.3 |

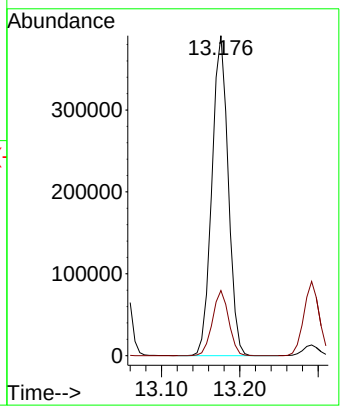





#85
sec-Butylbenzene
Concen: 46.848 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 56473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
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VSTDCCC050EC

**Manual Integrations**
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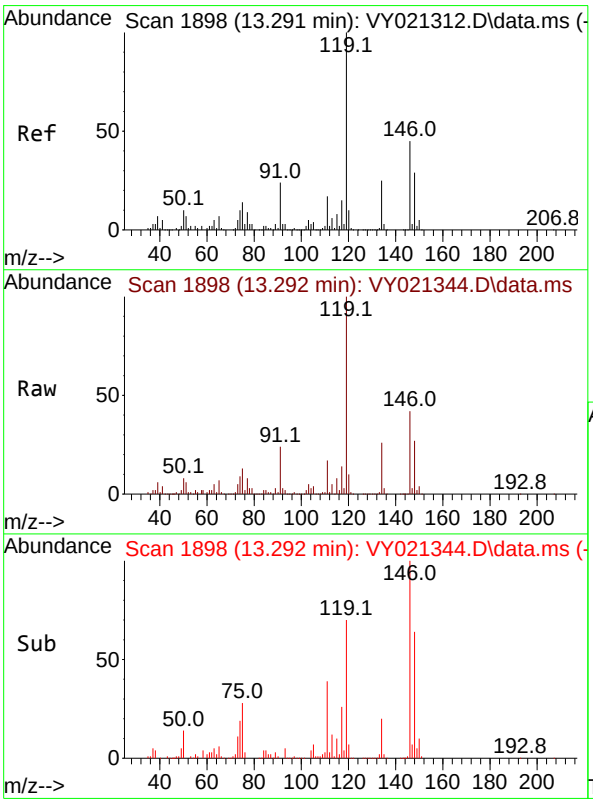
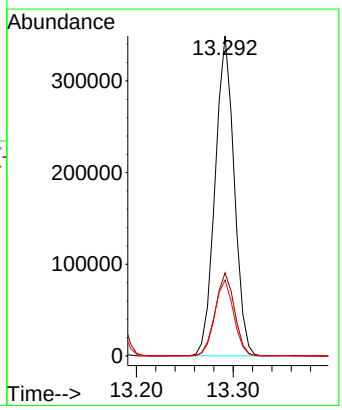
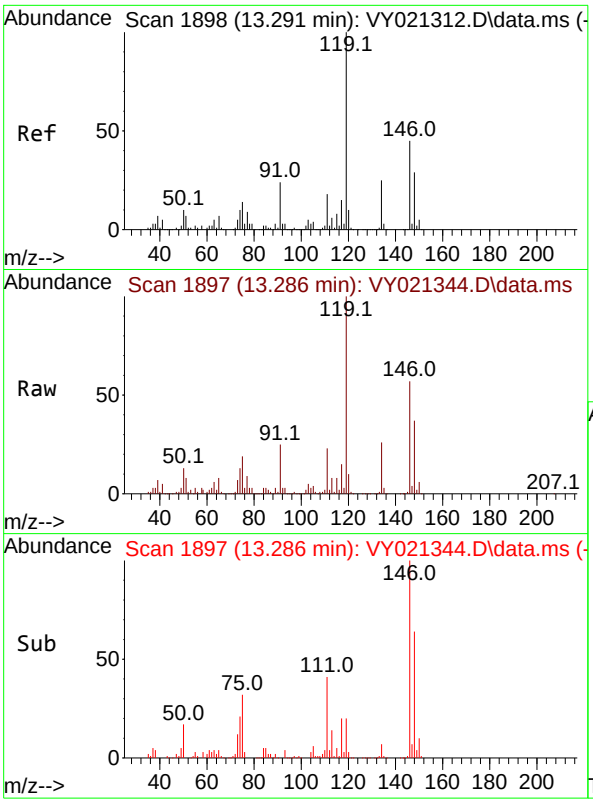



#86
p-Isopropyltoluene
Concen: 47.399 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:119 Resp: 477095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.0 | 38.9 |
| 91 | 23.9 | 12.0 | 36.1 |

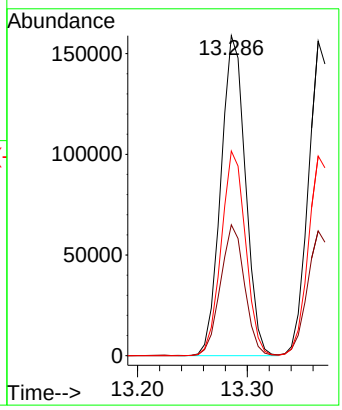





#87
1,3-Dichlorobenzene
Concen: 48.238 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 24722

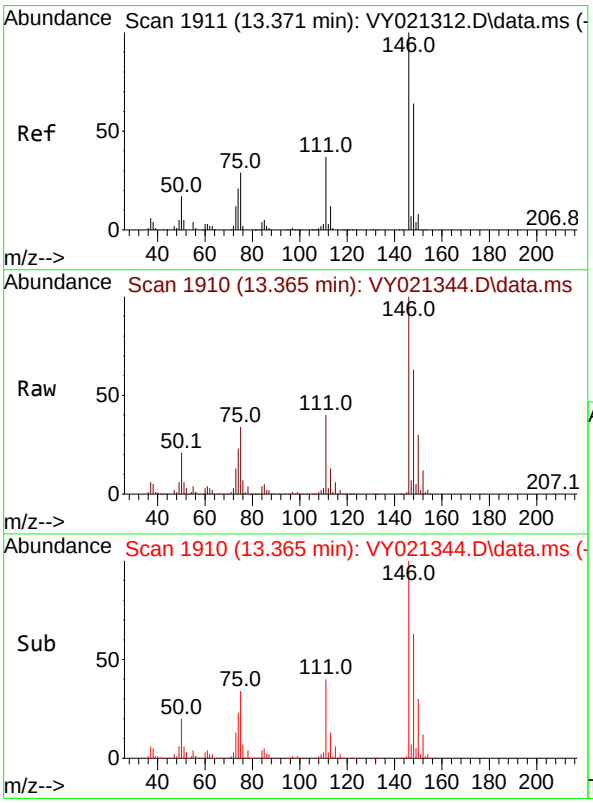
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.0 | 59.9 |
| 148 | 63.3 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

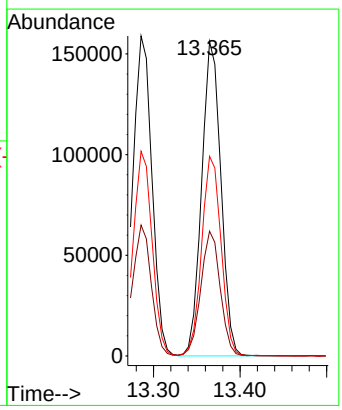
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

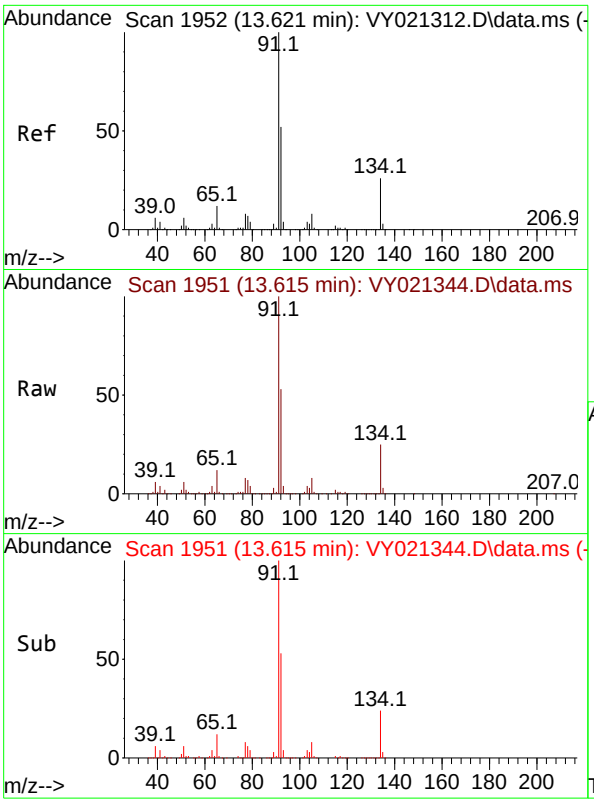



#88
1,4-Dichlorobenzene
Concen: 47.661 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 241313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 19.5 | 58.5 |
| 148 | 64.0 | 32.0 | 96.2 |

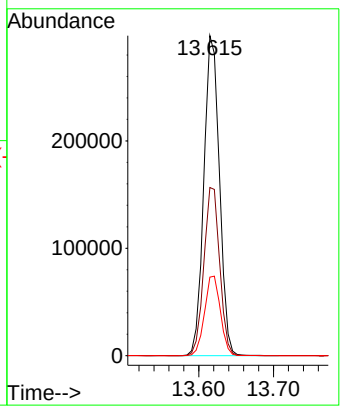





#89
n-Butylbenzene
Concen: 45.583 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 43177

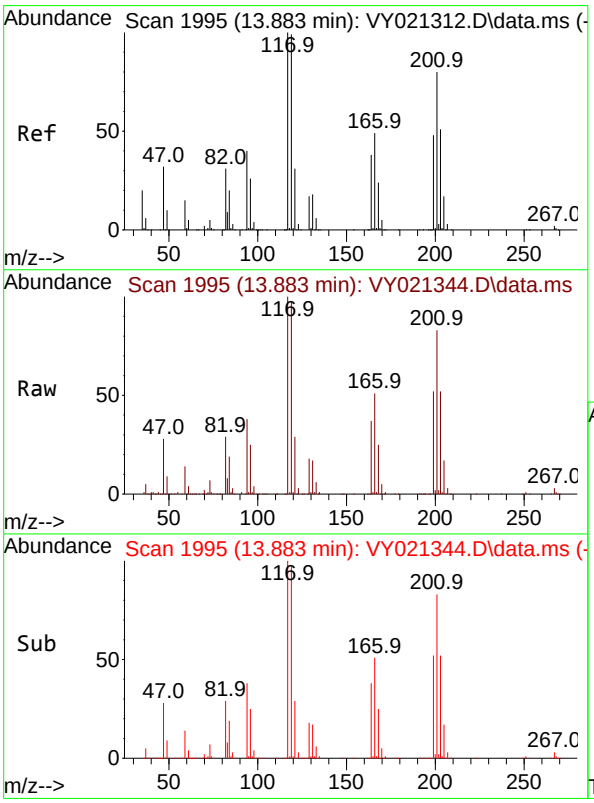
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.2 | 26.4 | 79.2 |
| 134 | 25.3 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

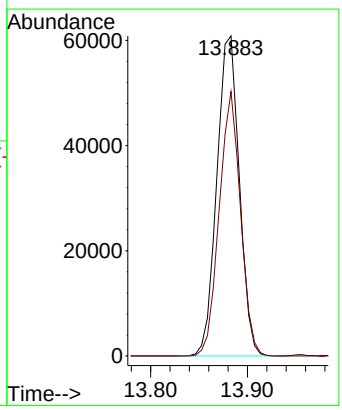
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

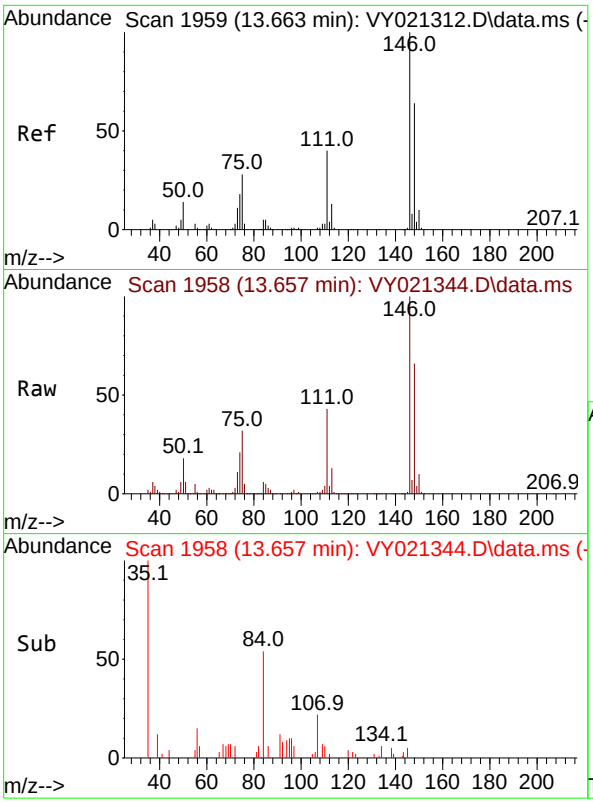



#90
Hexachloroethane
Concen: 46.606 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 97989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.2 | 38.4 | 115.2 |

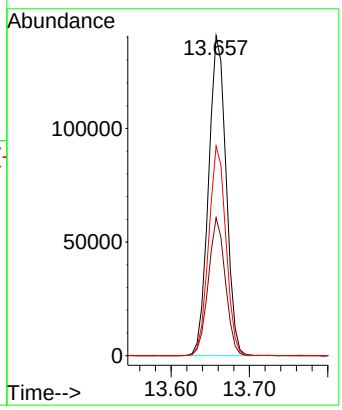





#91
1,2-Dichlorobenzene
Concen: 48.659 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 21849

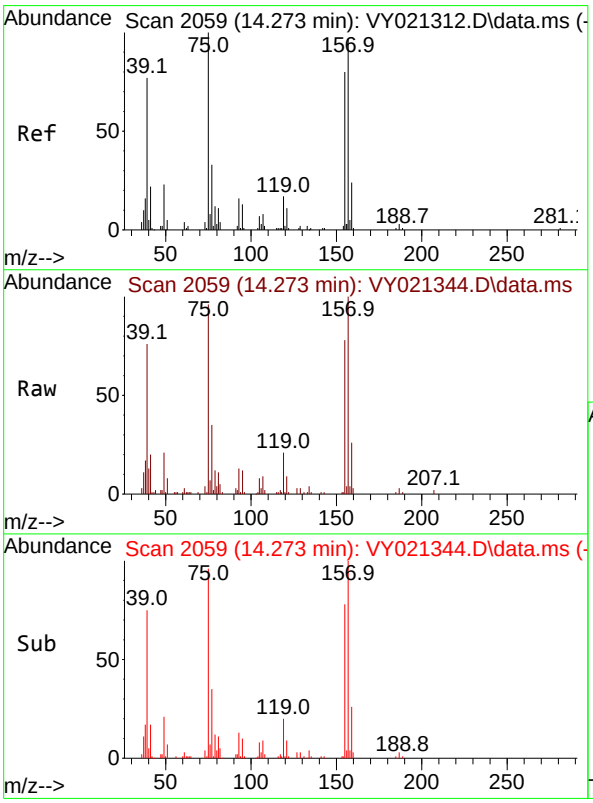
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.9 | 20.7 | 62.1 |
| 148 | 64.6 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

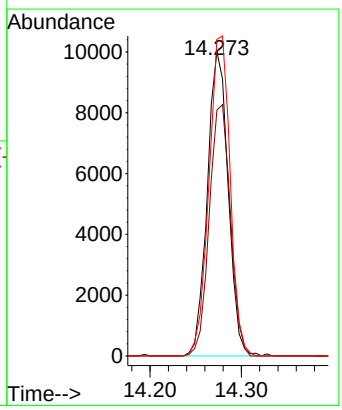
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

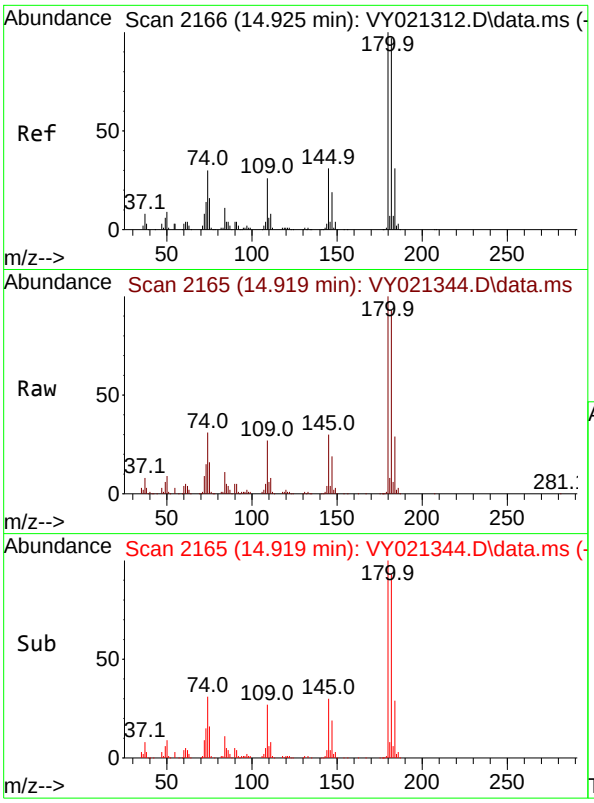



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.037 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 15872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.3 | 41.9 | 125.6 |
| 157 | 106.6 | 52.5 | 157.6 |

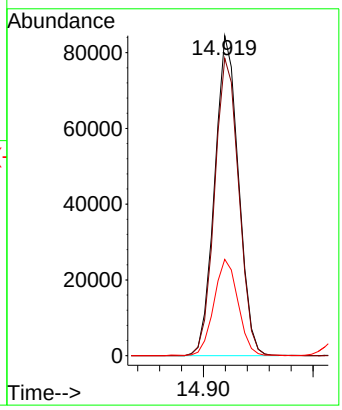





#93
1,2,4-Trichlorobenzene
Concen: 46.535 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:180 Resp: 12753

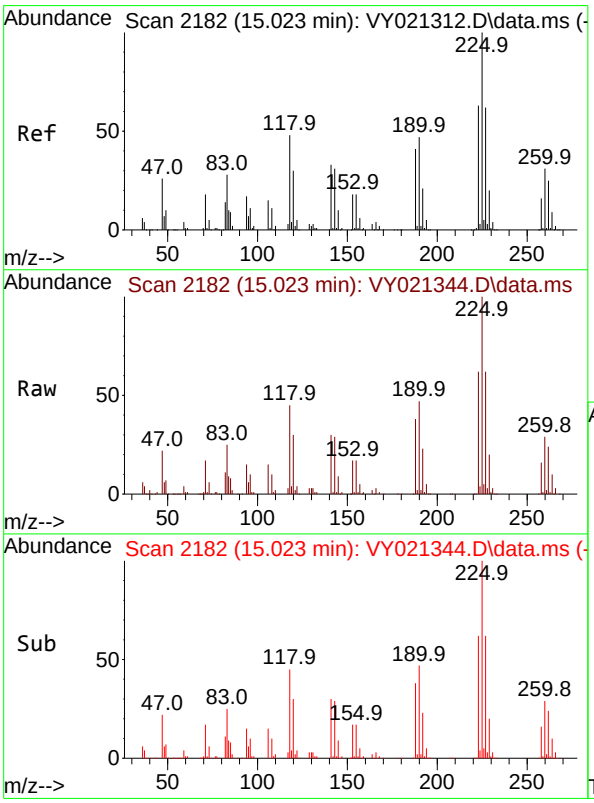
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 47.9 | 143.7 |
| 145 | 30.6 | 15.6 | 46.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

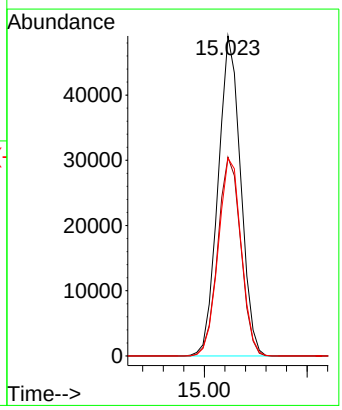
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

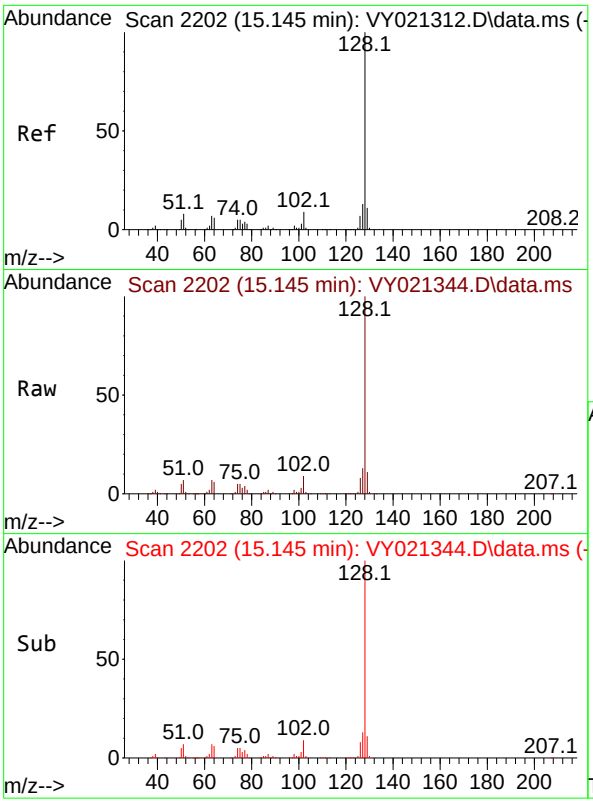



#94
Hexachlorobutadiene
Concen: 43.221 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:225 Resp: 74574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 31.8 | 95.4 |
| 227 | 63.0 | 31.9 | 95.7 |

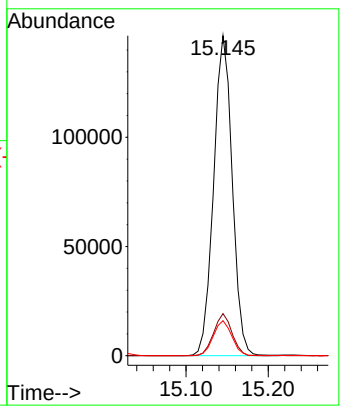





#95
Naphthalene
Concen: 50.863 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:128 Resp: 23088

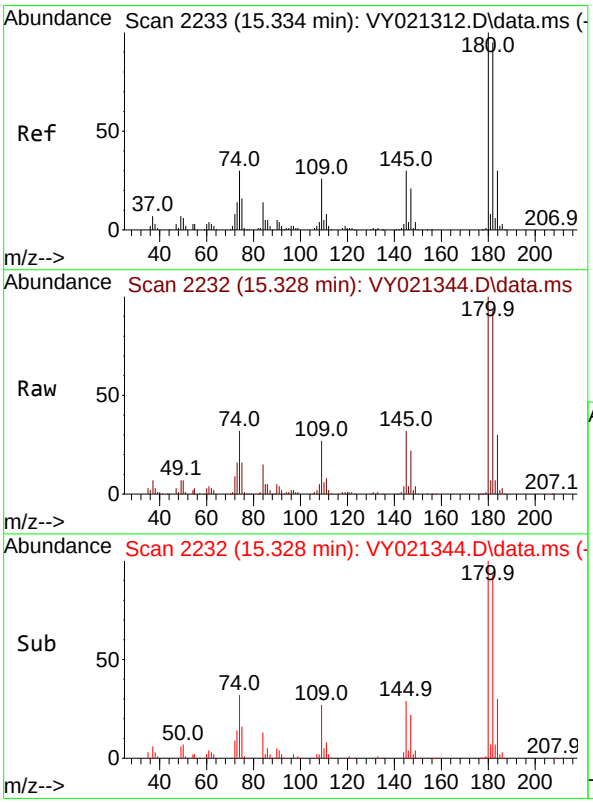
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.5 | 15.7 |
| 129 | 10.9 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

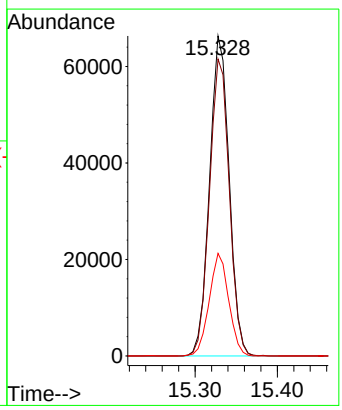
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025




#96
1,2,3-Trichlorobenzene
Concen: 47.484 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:180 Resp: 109952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 48.3 | 144.9 |
| 145 | 31.9 | 16.1 | 48.3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 0.474 | 0.427 | 9.9 | 103 | 0.00 |
| 3 | P | Chloromethane | 0.612 | 0.566 | 7.5 | 112 | 0.00 |
| 4 | C | Vinyl Chloride | 0.601 | 0.577 | 4.0# | 110 | 0.00 |
| 5 | T | Bromomethane | 0.399 | 0.382 | 4.3 | 118 | 0.00 |
| 6 | T | Chloroethane | 0.373 | 0.374 | -0.3 | 114 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.908 | 0.871 | 4.1 | 111 | 0.00 |
| 8 | T | Diethyl Ether | 0.272 | 0.290 | -6.6 | 121 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.525 | 0.494 | 5.9 | 110 | 0.00 |
| 10 | T | Methyl Iodide | 0.553 | 0.634 | -14.6 | 119 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.044 | 0.040 | 9.1 | 120 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.503 | 0.489 | 2.8# | 113 | 0.00 |
| 13 | T | Acrolein | 0.033 | 0.006 | 81.8# | 110 | 0.00 |
| 14 | T | Allyl chloride | 0.892 | 0.877 | 1.7 | 113 | 0.00 |
| 15 | T | Acrylonitrile | 0.120 | 0.125 | -4.2 | 117 | 0.00 |
| 16 | T | Acetone | 0.109 | 0.098 | 10.1 | 91 | 0.00 |
| 17 | T | Carbon Disulfide | 1.671 | 1.626 | 2.7 | 112 | 0.00 |
| 18 | T | Methyl Acetate | 0.266 | 0.284 | -6.8 | 123 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.329 | 1.439 | -8.3 | 122 | 0.00 |
| 20 | T | Methylene Chloride | 0.588 | 0.567 | 3.6 | 116 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.554 | 0.566 | -2.2 | 118 | 0.00 |
| 22 | T | Diisopropyl ether | 1.846 | 1.926 | -4.3 | 117 | 0.00 |
| 23 | T | Vinyl Acetate | 1.103 | 1.143 | -3.6 | 115 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.040 | 1.051 | -1.1 | 116 | 0.00 |
| 25 | T | 2-Butanone | 0.164 | 0.166 | -1.2 | 109 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.944 | 0.817 | 13.5 | 100 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.632 | 0.663 | -4.9 | 119 | 0.00 |
| 28 | T | Bromochloromethane | 0.460 | 0.446 | 3.0 | 117 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.107 | 0.112 | -4.7 | 117 | 0.00 |
| 30 | C | Chloroform | 1.054 | 1.085 | -2.9# | 118 | 0.00 |
| 31 | T | Cyclohexane | 1.000 | 0.882 | 11.8 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.960 | 0.958 | 0.2 | 116 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.567 | 0.529 | 6.7 | 114 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 126 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.328 | 0.298 | 9.1 | 116 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.492 | 0.462 | 6.1 | 113 | 0.00 |
| 37 | T | Ethyl Acetate | 0.245 | 0.240 | 2.0 | 117 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.554 | 0.520 | 6.1 | 113 | 0.00 |
| 39 | T | Methylcyclohexane | 0.623 | 0.557 | 10.6 | 106 | 0.00 |
| 40 | TM | Benzene | 1.456 | 1.421 | 2.4 | 117 | 0.00 |
| 41 | T | Methacrylonitrile | 0.137 | 0.148 | -8.0 | 127 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.413 | 0.419 | -1.5 | 122 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.474 | 0.473 | 0.2 | 116 | 0.00 |
| 44 | TM | Trichloroethene | 0.364 | 0.352 | 3.3 | 116 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.341 | 2.6# | 116 | 0.00 |
| 46 | T | Dibromomethane | 0.191 | 0.193 | -1.0 | 120 | 0.00 |
| 47 | T | Bromodichloromethane | 0.511 | 0.511 | 0.0 | 119 | 0.00 |
| 48 | T | Methyl methacrylate | 0.222 | 0.224 | -0.9 | 114 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 0.002 | 0.002 | 0.0 | 122 | 0.00 |
| 50 | S | Toluene-d8 | 1.267 | 1.131 | 10.7 | 114 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.243 | 0.248 | -2.1 | 117 | 0.00 |
| 52 | CM | Toluene | 0.904 | 0.897 | 0.8# | 117 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.468 | 0.465 | 0.6 | 114 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.552 | 0.534 | 3.3 | 114 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.249 | 0.254 | -2.0 | 120 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.345 | 0.370 | -7.2 | 119 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.438 | 0.445 | -1.6 | 120 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.165 | 0.170 | -3.0 | 112 | 0.00 |
| 59 | T | 2-Hexanone | 0.159 | 0.166 | -4.4 | 114 | 0.00 |
| 60 | T | Dibromochloromethane | 0.340 | 0.345 | -1.5 | 118 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.236 | 0.239 | -1.3 | 119 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.426 | 0.383 | 10.1 | 114 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 128 | 0.00 |
| 64 | T | Tetrachloroethene | 0.378 | 0.354 | 6.3 | 116 | 0.00 |
| 65 | PM | Chlorobenzene | 1.122 | 1.085 | 3.3 | 118 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.393 | 0.388 | 1.3 | 120 | 0.00 |
| 67 | C | Ethyl Benzene | 1.988 | 1.913 | 3.8# | 115 | 0.00 |
| 68 | T | m/p-Xylenes | 0.748 | 0.722 | 3.5 | 115 | 0.00 |
| 69 | T | o-Xylene | 0.701 | 0.694 | 1.0 | 117 | 0.00 |
| 70 | T | Styrene | 1.166 | 1.169 | -0.3 | 117 | 0.00 |
| 71 | P | Bromoform | 0.225 | 0.225 | 0.0 | 117 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 73 | T | Isopropylbenzene | 3.759 | 3.702 | 1.5 | 113 | 0.00 |
| 74 | T | N-amyl acetate | 0.955 | 0.990 | -3.7 | 114 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.663 | 0.666 | -0.5 | 116 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.500 | 0.488 | 2.4 | 114 | 0.00 |
| 77 | T | Bromobenzene | 0.874 | 0.883 | -1.0 | 118 | 0.00 |
| 78 | T | n-propylbenzene | 4.561 | 4.370 | 4.2 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.618 | 2.575 | 1.6 | 115 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.083 | 3.024 | 1.9 | 113 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.225 | 0.214 | 4.9 | 107 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.714 | 2.646 | 2.5 | 114 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.785 | 2.736 | 1.8 | 115 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.066 | 3.031 | 1.1 | 114 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.068 | 3.811 | 6.3 | 109 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.397 | 3.220 | 5.2 | 109 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.730 | 1.669 | 3.5 | 113 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.709 | 1.629 | 4.7 | 113 | 0.00 |
| 89 | T | n-Butylbenzene | 3.196 | 2.914 | 8.8 | 104 | 0.00 |
| 90 | T | Hexachloroethane | 0.710 | 0.661 | 6.9 | 112 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.515 | 1.475 | 2.6 | 114 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.105 | 0.107 | -1.9 | 115 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.925 | 0.861 | 6.9 | 108 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.582 | 0.503 | 13.6 | 104 | 0.00 |
| 95 | T | Naphthalene | 1.532 | 1.558 | -1.7 | 110 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 0.781 | 0.742 | 5.0 | 110 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 44.987 | 10.0 | 103 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.199 | 7.6 | 112 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.976 | 4.0# | 110 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 47.832 | 4.3 | 118 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 50.180 | -0.4 | 114 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.991 | 4.0 | 111 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 53.265 | -6.5 | 121 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.044 | 5.9 | 110 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 57.386 | -14.8 | 119 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 231.715 | 7.3 | 120 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.566 | 2.9# | 113 | 0.00 |
| 13 | T | Acrolein | 250.000 | 45.939 | 81.6# | 110 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.143 | 1.7 | 113 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 259.792 | -3.9 | 117 | 0.00 |
| 16 | T | Acetone | 250.000 | 224.914 | 10.0 | 91 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.671 | 2.7 | 112 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 53.445 | -6.9 | 123 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 54.123 | -8.2 | 122 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.152 | 3.7 | 116 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.077 | -2.2 | 118 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.185 | -4.4 | 117 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 259.062 | -3.6 | 115 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.498 | -1.0 | 116 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 253.286 | -1.3 | 109 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 43.292 | 13.4 | 100 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.447 | -4.9 | 119 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 48.465 | 3.1 | 117 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 261.209 | -4.5 | 117 | 0.00 |
| 30 | C | Chloroform | 50.000 | 51.443 | -2.9# | 118 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 44.101 | 11.8 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.940 | 0.1 | 116 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.619 | 6.8 | 114 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 126 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 45.429 | 9.1 | 116 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 46.928 | 6.1 | 113 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.999 | 2.0 | 117 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 46.933 | 6.1 | 113 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 44.707 | 10.6 | 106 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.823 | 2.4 | 117 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.039 | -8.1 | 127 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.672 | -1.3 | 122 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.861 | 0.3 | 116 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.271 | 3.5 | 116 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.736 | 2.5# | 116 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.499 | -1.0 | 120 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.086 | -0.2 | 119 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.619 | -1.2 | 114 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 1015.844 | -1.6 | 122 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 44.650 | 10.7 | 114 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 254.988 | -2.0 | 117 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.585 | 0.8# | 117 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.701 | 0.6 | 114 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.340 | 3.3 | 114 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.858 | -1.7 | 120 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.738 | -7.5 | 119 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.818 | -1.6 | 120 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 257.068 | -2.8 | 112 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 260.462 | -4.2 | 114 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.788 | -1.6 | 118 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.586 | -1.2 | 119 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 44.933 | 10.1 | 114 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 128 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.783 | 6.4 | 116 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.330 | 3.3 | 118 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.313 | 1.4 | 120 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 48.106 | 3.8# | 115 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 96.556 | 3.4 | 115 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.544 | 0.9 | 117 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.170 | -0.3 | 117 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.071 | -0.1 | 117 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 122 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.240 | 1.5 | 113 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.825 | -3.7 | 114 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.176 | -0.4 | 116 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.754 | 2.5 | 114 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.469 | -0.9 | 118 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 47.897 | 4.2 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.187 | 1.6 | 115 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.048 | 1.9 | 113 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.460 | 5.1 | 107 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.755 | 2.5 | 114 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.124 | 1.8 | 115 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.422 | 1.2 | 114 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 46.848 | 6.3 | 109 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 47.399 | 5.2 | 109 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.238 | 3.5 | 113 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.661 | 4.7 | 113 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 45.583 | 8.8 | 104 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 46.606 | 6.8 | 112 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 48.659 | 2.7 | 114 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.037 | -2.1 | 115 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 46.535 | 6.9 | 108 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 43.221 | 13.6 | 104 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.863 | -1.7 | 110 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 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 | 47.484 | 5.0 | 110 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

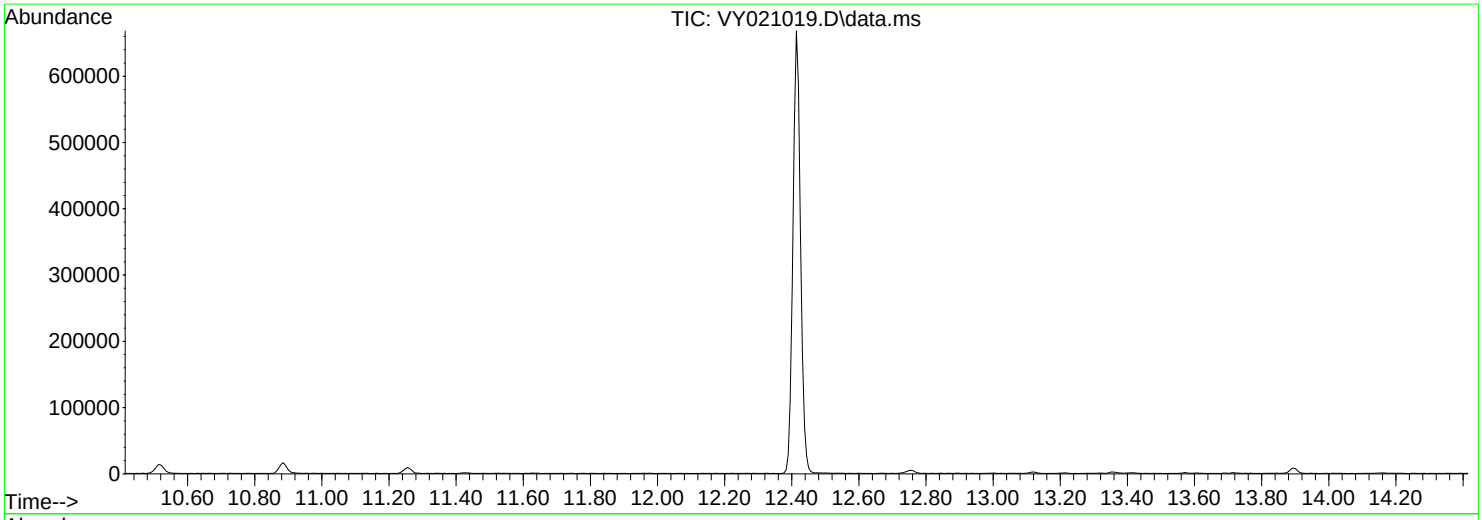
# QC SAMPLE DATA

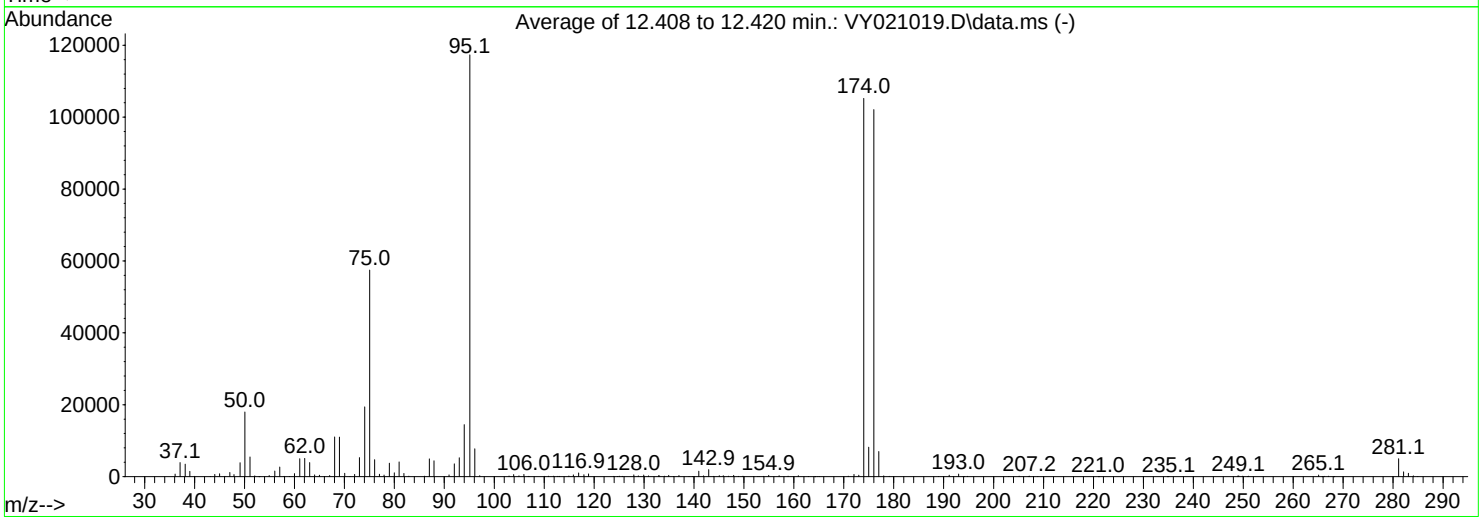
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021019.D
Acq On : 03 Feb 2025 09:51
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025




AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

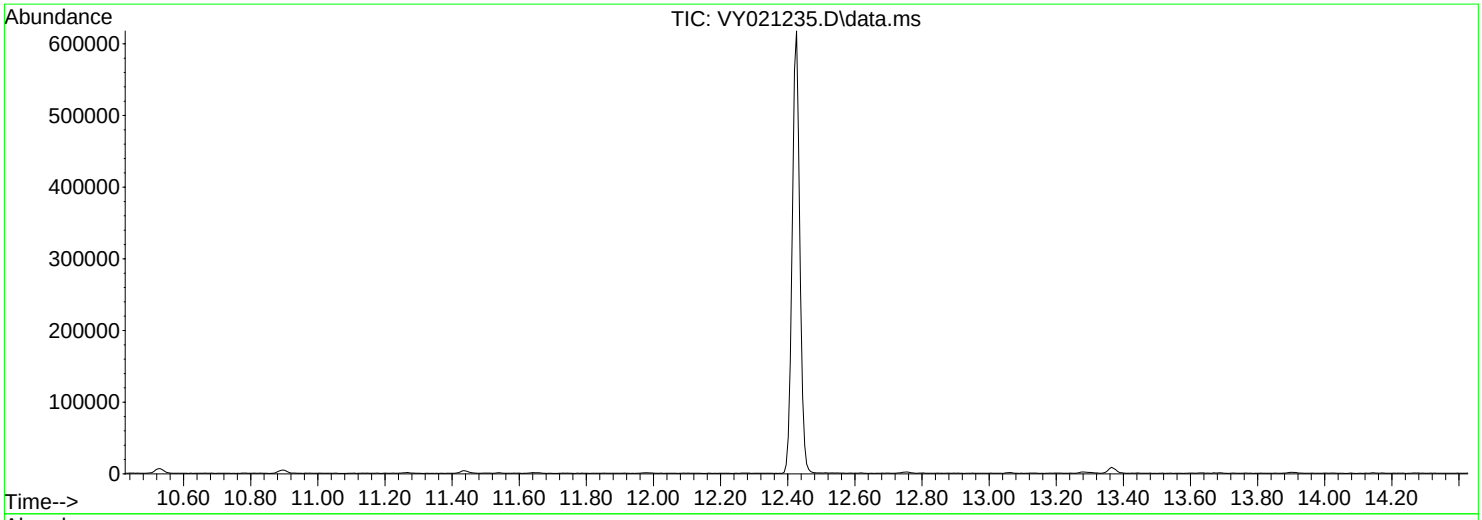
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 15.3 | 17983 | PASS |
| 75 | 95 | 30 | 60 | 49.0 | 57469 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 117333 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 7767 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 390 | PASS |
| 174 | 95 | 50 | 100 | 89.7 | 105227 | PASS |
| 175 | 174 | 5 | 9 | 7.8 | 8179 | PASS |
| 176 | 174 | 95 | 101 | 97.0 | 102091 | PASS |
| 177 | 176 | 5 | 9 | 6.8 | 6972 | PASS |

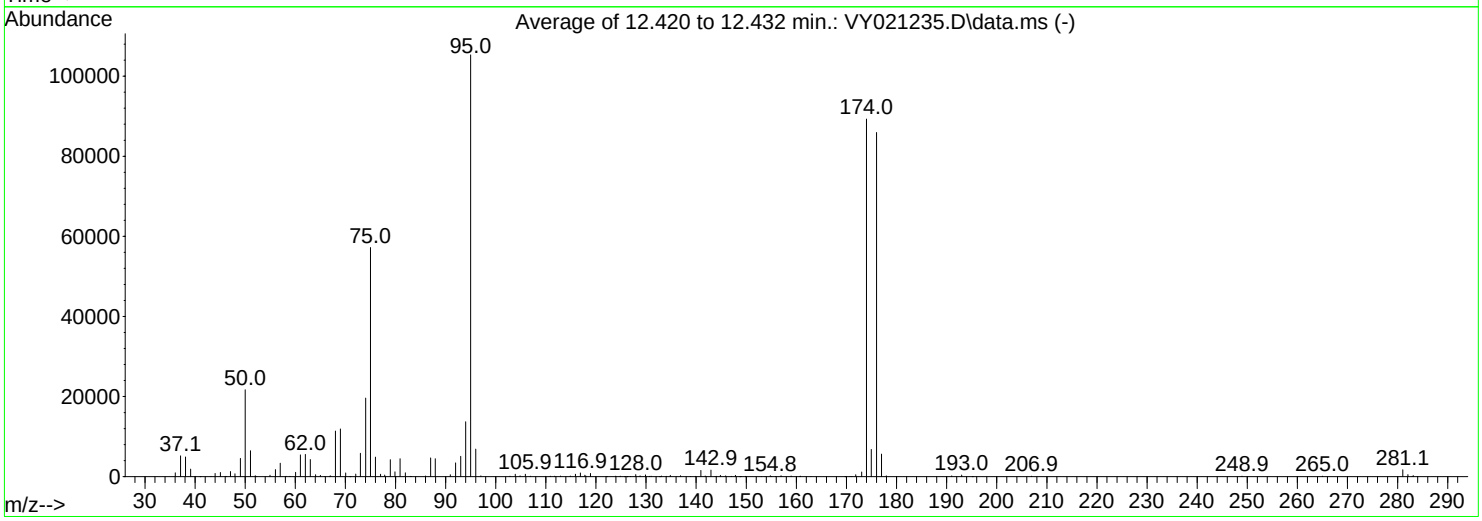
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021235.D
Acq On : 19 Feb 2025 09:09
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025




AutoFind: Scans 1755, 1756, 1757; Background Corrected with Scan 1747

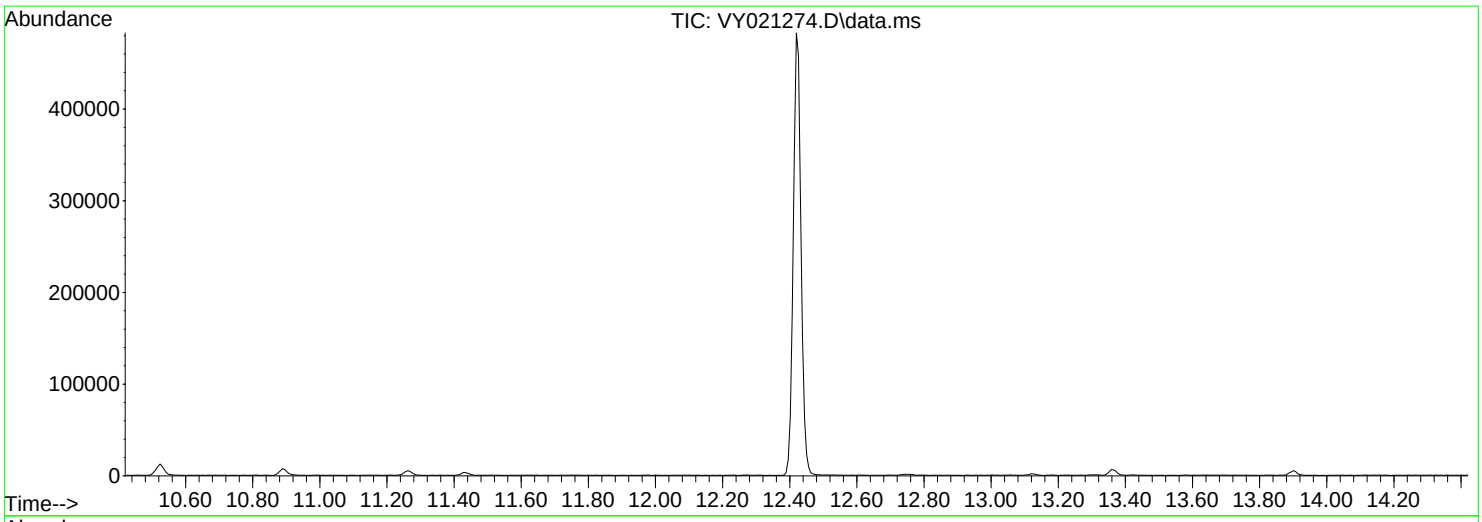
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 20.6 | 21704 | PASS |
| 75 | 95 | 30 | 60 | 54.3 | 57235 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 105325 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 6876 | PASS |
| 173 | 174 | 0.00 | 2 | 1.3 | 1142 | PASS |
| 174 | 95 | 50 | 100 | 84.8 | 89280 | PASS |
| 175 | 174 | 5 | 9 | 7.6 | 6780 | PASS |
| 176 | 174 | 95 | 101 | 96.3 | 85939 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 5654 | PASS |

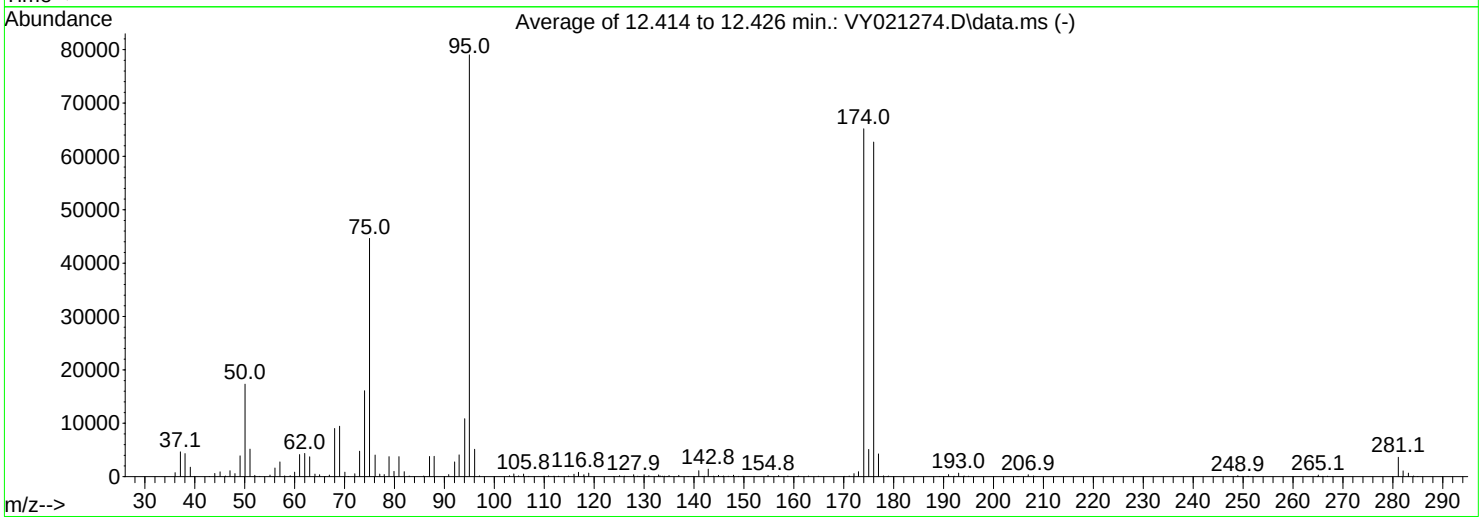
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021274.D
Acq On : 21 Feb 2025 09:06
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Title : SW846 8260
Last Update : Mon Feb 03 13:08:38 2025




AutoFind: Scans 1754, 1755, 1756; Background Corrected with Scan 1746

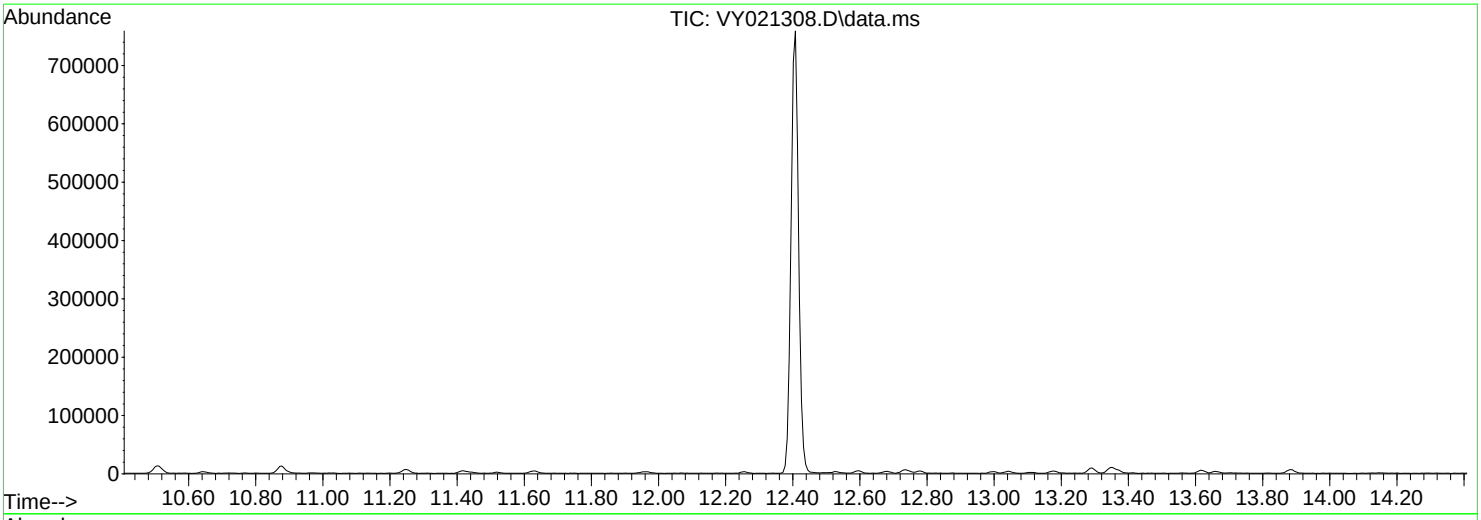
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 21.9 | 17327 | PASS |
| 75 | 95 | 30 | 60 | 56.5 | 44635 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 79024 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 5136 | PASS |
| 173 | 174 | 0.00 | 2 | 1.5 | 945 | PASS |
| 174 | 95 | 50 | 100 | 82.5 | 65171 | PASS |
| 175 | 174 | 5 | 9 | 7.8 | 5106 | PASS |
| 176 | 174 | 95 | 101 | 96.2 | 62675 | PASS |
| 177 | 176 | 5 | 9 | 6.8 | 4255 | PASS |

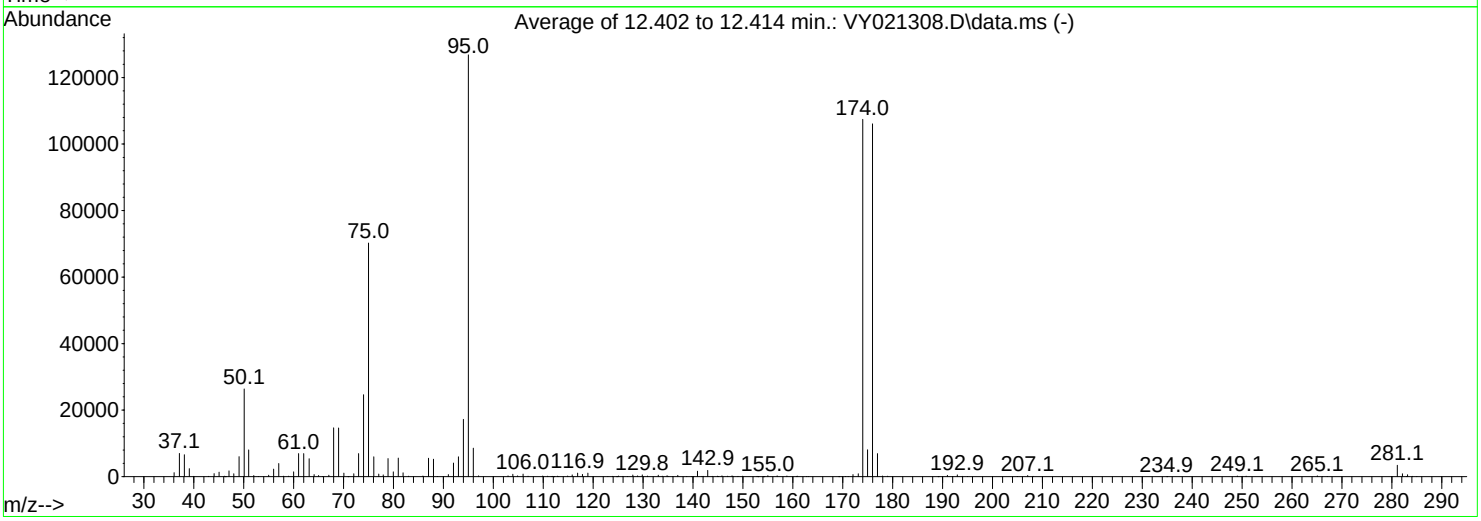
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021308.D
Acq On : 25 Feb 2025 12:10
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025




AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 20.8 | 26379 | PASS |
| 75 | 95 | 30 | 60 | 55.4 | 70224 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 126829 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 8546 | PASS |
| 173 | 174 | 0.00 | 2 | 0.8 | 855 | PASS |
| 174 | 95 | 50 | 100 | 84.7 | 107419 | PASS |
| 175 | 174 | 5 | 9 | 7.5 | 8085 | PASS |
| 176 | 174 | 95 | 101 | 98.8 | 106077 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 6929 | PASS |

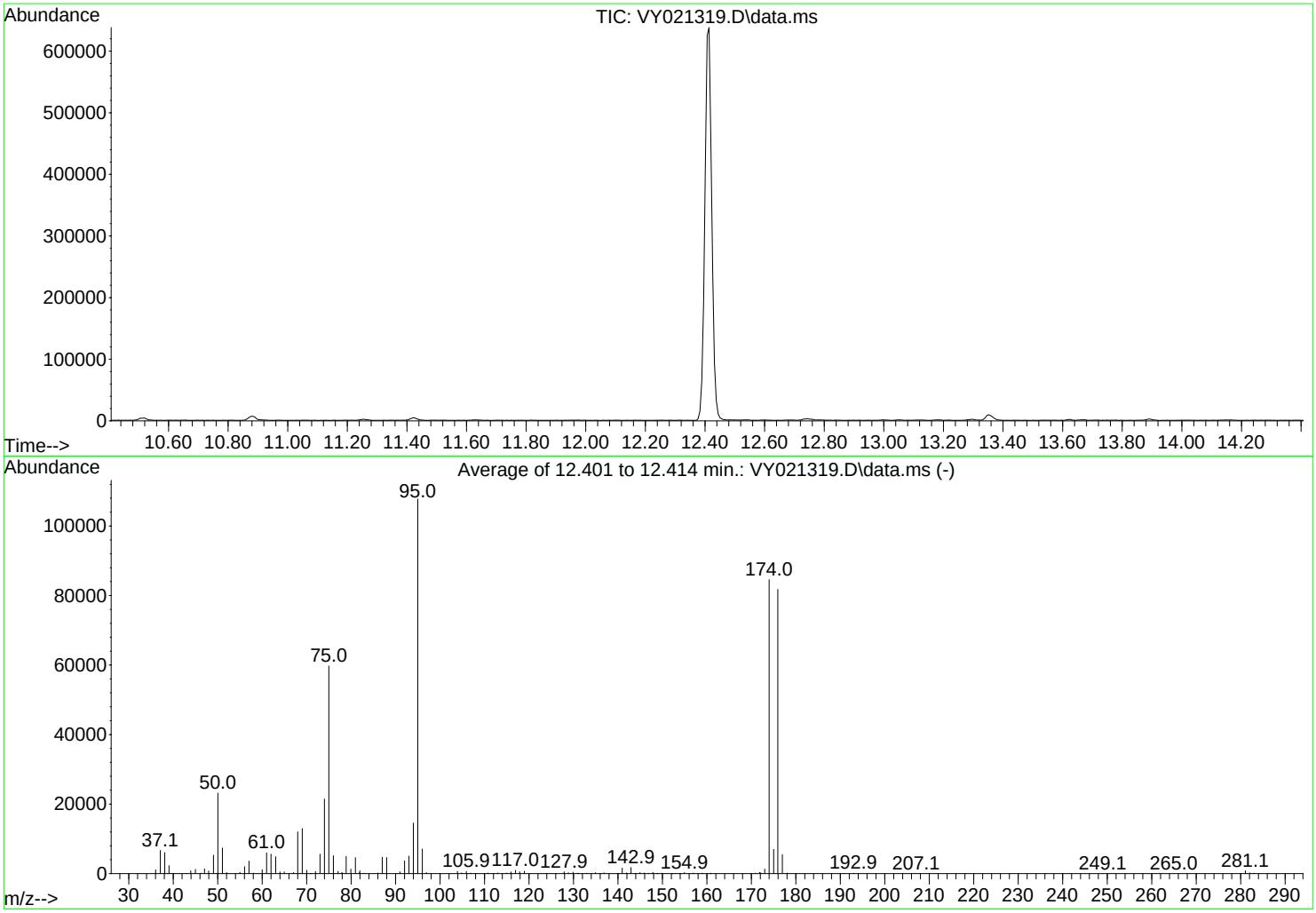
Sample Results: **VY021319.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021319.D
Acq On : 26 Feb 2025 09:12
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025




AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 21.5 | 23171 | PASS |
| 75 | 95 | 30 | 60 | 55.4 | 59717 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 107776 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 7086 | PASS |
| 173 | 174 | 0.00 | 2 | 1.5 | 1306 | PASS |
| 174 | 95 | 50 | 100 | 78.5 | 84589 | PASS |
| 175 | 174 | 5 | 9 | 8.3 | 7013 | PASS |
| 176 | 174 | 95 | 101 | 96.7 | 81784 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 5470 | PASS |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0219SBL01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0219SBL01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021237.D | 1 | | 02/19/25 15:21 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0040 | U | 0.0017 | 0.0040 | 0.0050 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0025 | U | 0.0012 | 0.0025 | 0.0050 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0025 | U | 0.00077 | 0.0025 | 0.0050 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0040 | U | 0.0010 | 0.0040 | 0.0050 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0025 | U | 0.0010 | 0.0025 | 0.0050 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.013 | U | 0.0052 | 0.013 | 0.025 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0040 | U | 0.00091 | 0.0040 | 0.0050 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0025 | U | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.013 | U | 0.0050 | 0.013 | 0.025 | mg/Kg |
| 67-64-1 | Acetone | 0.020 | U | 0.0062 | 0.020 | 0.025 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0040 | U | 0.0013 | 0.0040 | 0.0050 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0080 | U | 0.0034 | 0.0080 | 0.010 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0025 | U | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0025 | U | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.020 | U | 0.0057 | 0.020 | 0.025 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0025 | U | 0.00087 | 0.0025 | 0.0050 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0040 | U | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0025 | U | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 67-66-3 | Chloroform | 0.0040 | U | 0.00067 | 0.0040 | 0.0050 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0025 | U | 0.00073 | 0.0025 | 0.0050 | mg/Kg |
| 71-43-2 | Benzene | 0.0025 | U | 0.00072 | 0.0025 | 0.0050 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0025 | U | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0025 | U | 0.00075 | 0.0025 | 0.0050 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0025 | U | 0.00066 | 0.0025 | 0.0050 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0025 | U | 0.00056 | 0.0025 | 0.0050 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.013 | U | 0.0044 | 0.013 | 0.025 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0219SBL01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0219SBL01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021237.D | 1 | | 02/19/25 15:21 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0025 | U | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0025 | U | 0.00057 | 0.0025 | 0.0050 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0025 | U | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.013 | U | 0.0048 | 0.013 | 0.025 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0025 | U | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0025 | U | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0025 | U | 0.00089 | 0.0025 | 0.0050 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0025 | U | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0050 | U | 0.0014 | 0.0050 | 0.010 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0075 | U | 0.0021 | 0.0075 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0025 | U | 0.00070 | 0.0025 | 0.0050 | mg/Kg |
| 100-42-5 | Styrene | 0.0025 | U | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 75-25-2 | Bromoform | 0.0025 | U | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0025 | U | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0040 | U | 0.0012 | 0.0040 | 0.0050 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0025 | U | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0025 | U | 0.0014 | 0.0025 | 0.0050 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0025 | U | 0.00058 | 0.0025 | 0.0050 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0025 | U | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0025 | U | 0.00080 | 0.0025 | 0.0050 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0219SBL01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0219SBL01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021237.D | 1 | | 02/19/25 15:21 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0025 | U | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0040 | U | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0025 | U | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0025 | U | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0025 | U | 0.00080 | 0.0025 | 0.0050 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 54.2 | | 71 - 136 | | 108% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.2 | | 78 - 119 | | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.6 | | 85 - 116 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.8 | | 79 - 119 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 253000 | 7.719 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 479000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 430000 | 11.426 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 157000 | 13.352 | | | | |

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_Y\Data\VY021925\
Data File : VY021237.D
Acq On : 19 Feb 2025 15:21
Operator : SY/MD
Sample : VY0219SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBL01

Quant Time: Feb 20 00:17:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 252953 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 478949 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 429832 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 157077 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.073 | 65 | 140543 | 54.228 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 108.460% | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 154148 | 50.220 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 100.440% | | | |
| 50) Toluene-d8 | 10.115 | 98 | 579110 | 49.558 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 99.120% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 182414 | 47.782 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 95.560% | | | |

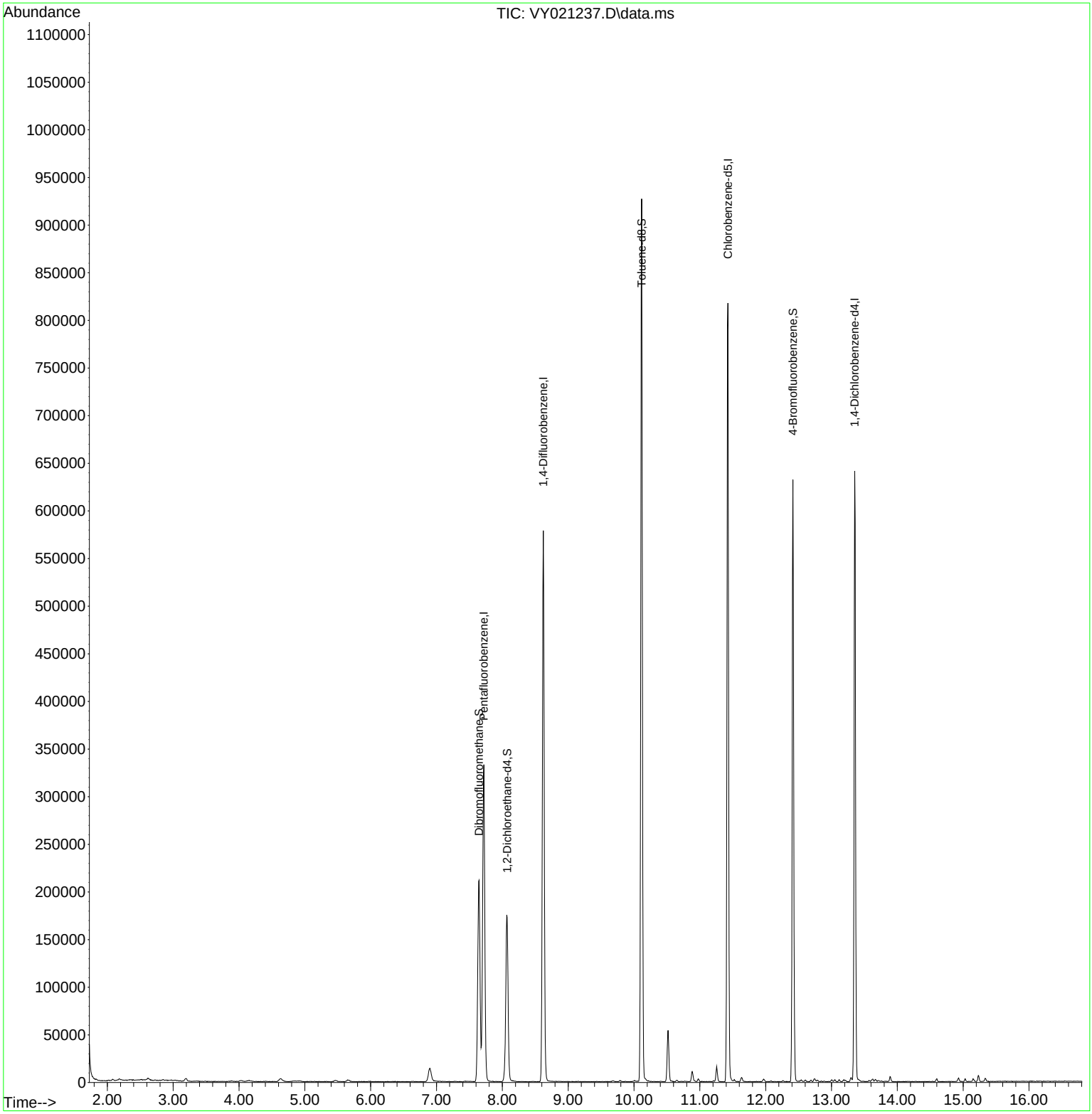
Target Compounds Qvalue

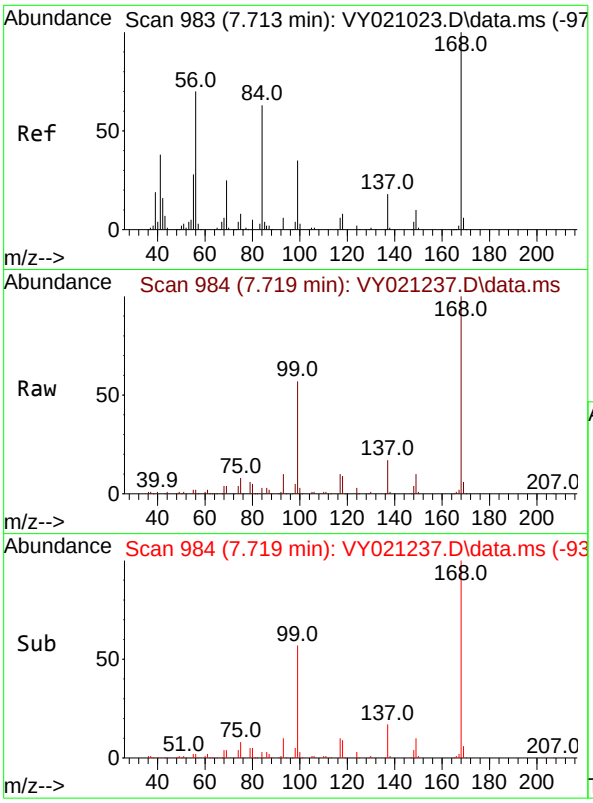
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021237.D
Acq On : 19 Feb 2025 15:21
Operator : SY/MD
Sample : VY0219SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBL01

Quant Time: Feb 20 00:17:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



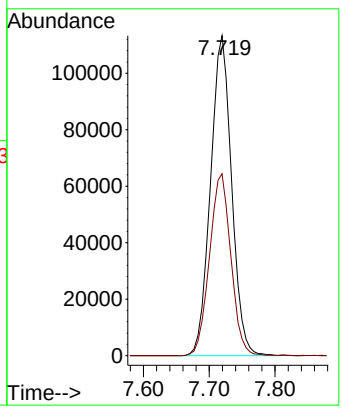


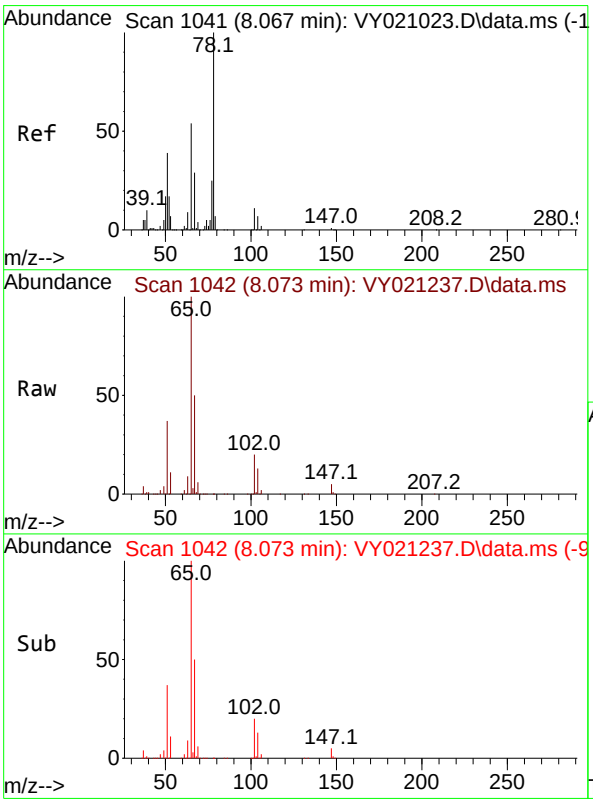

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBL01

Tgt Ion:168 Resp: 252953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.9 | 44.2 | 66.4 |

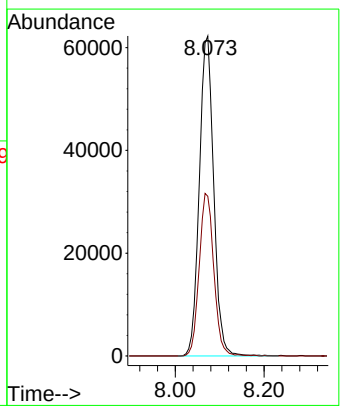


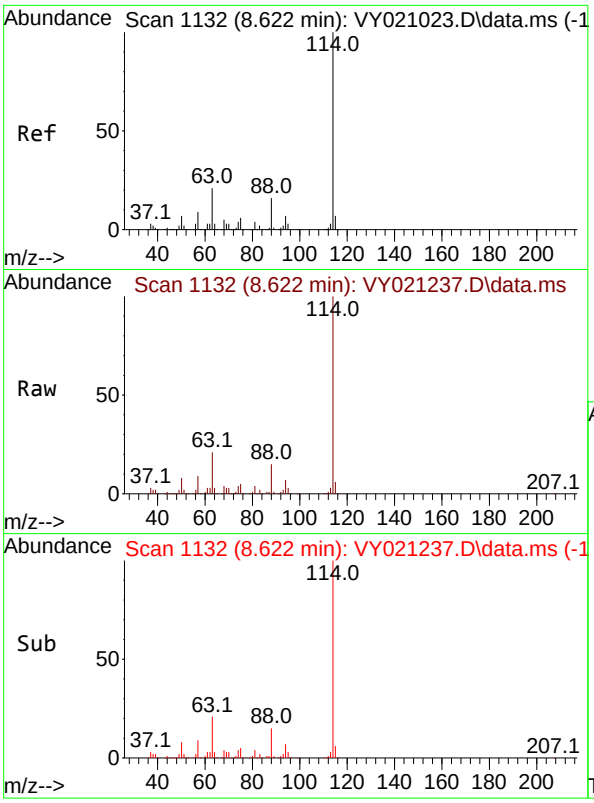




#33
1,2-Dichloroethane-d4
Concen: 54.228 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Tgt Ion: 65 Resp: 140543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 109.0 |



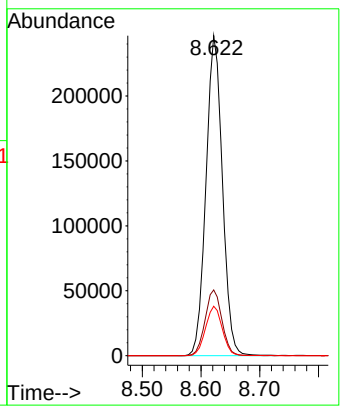


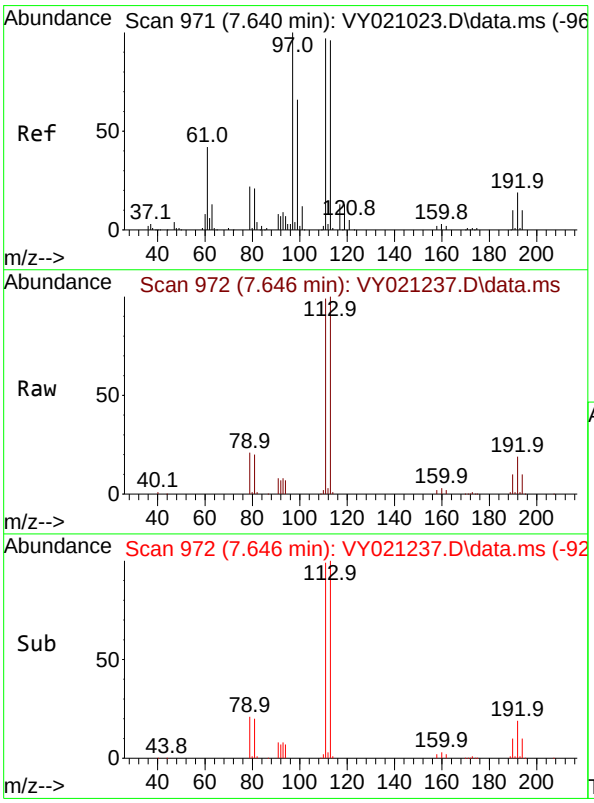

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBL01

Tgt Ion:114 Resp: 478949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 37.4 |
| 88 | 15.5 | 0.0 | 29.0 |

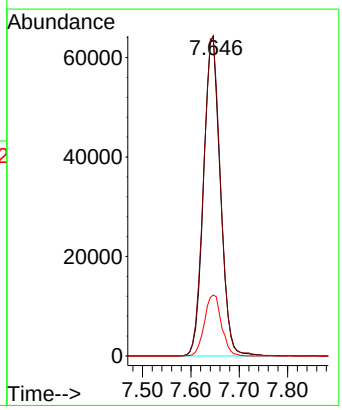


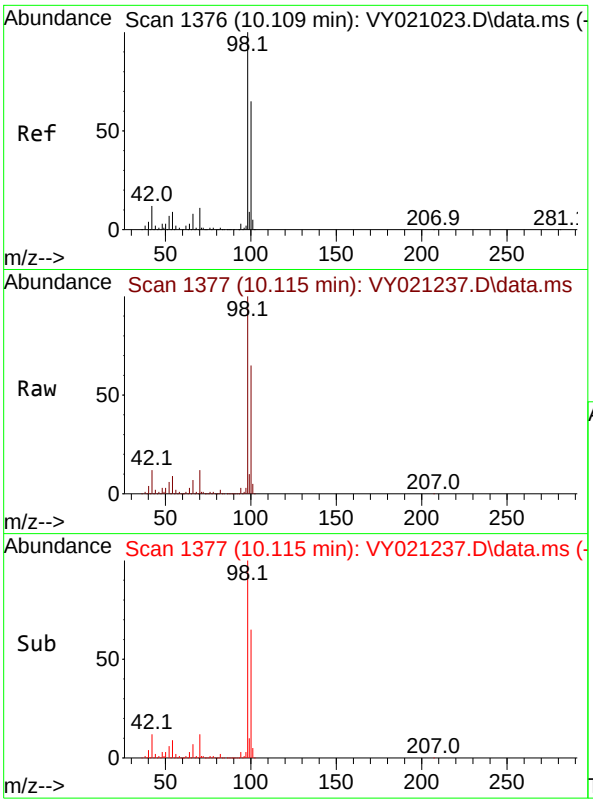




#35
Dibromofluoromethane
Concen: 50.220 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Tgt Ion:113 Resp: 154148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 83.8 | 125.6 |
| 192 | 19.5 | 14.5 | 21.7 |



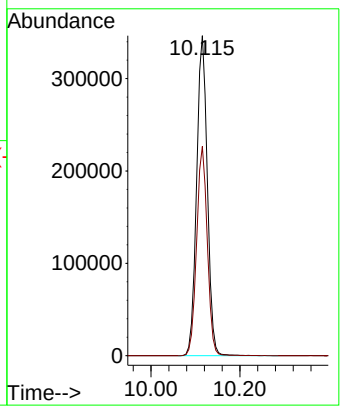


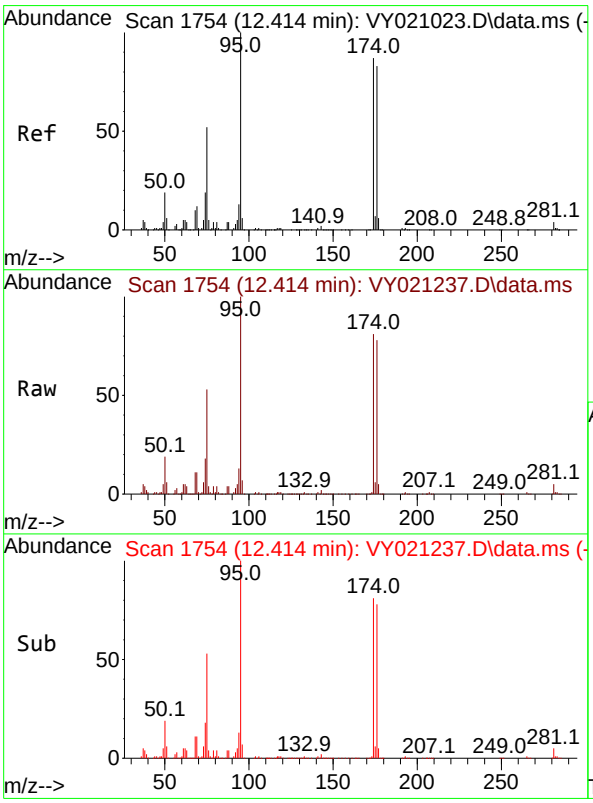

#50
Toluene-d8
Concen: 49.558 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBL01

Tgt Ion: 98 Resp: 579110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 52.3 | 78.5 |

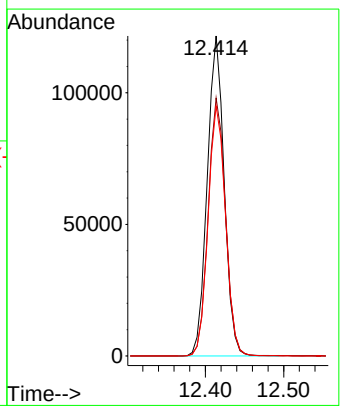


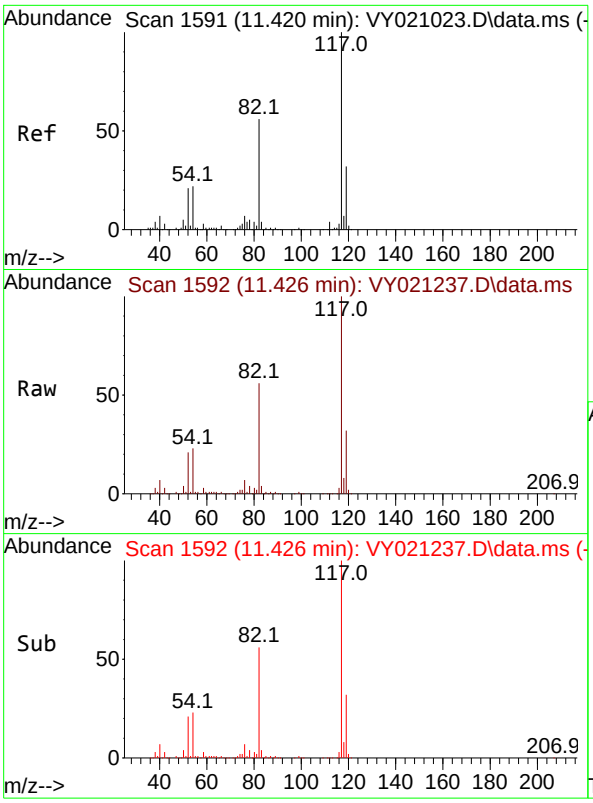




#62
4-Bromofluorobenzene
Concen: 47.782 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Tgt Ion: 95 Resp: 182414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.7 | 0.0 | 160.0 |
| 176 | 80.4 | 0.0 | 151.8 |



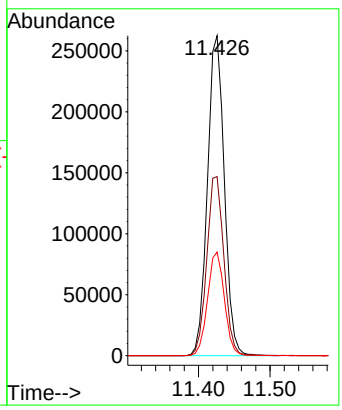


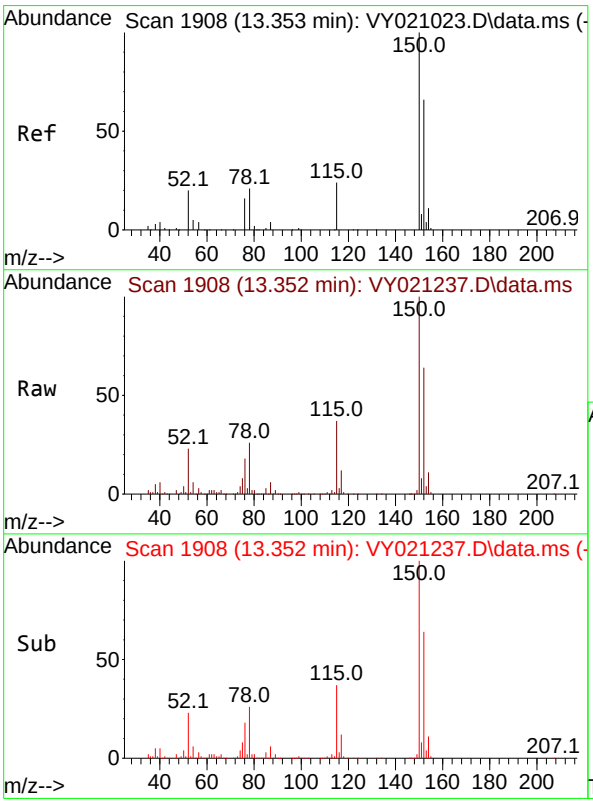

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBL01

Tgt Ion:117 Resp: 429832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 43.8 | 65.8 |
| 119 | 32.4 | 26.5 | 39.7 |

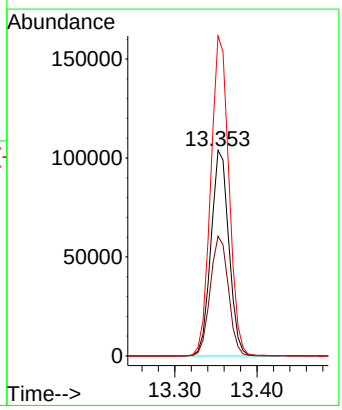



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021237.D
Acq: 19 Feb 2025 15:21

Tgt Ion:152 Resp: 157077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.2 | 30.0 | 90.0 |
| 150 | 158.1 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0221SBL01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0221SBL01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021276.D | 1 | | 02/21/25 11:12 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0040 | U | 0.0017 | 0.0040 | 0.0050 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0025 | U | 0.0012 | 0.0025 | 0.0050 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0025 | U | 0.00077 | 0.0025 | 0.0050 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0040 | U | 0.0010 | 0.0040 | 0.0050 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0025 | U | 0.0010 | 0.0025 | 0.0050 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.013 | U | 0.0052 | 0.013 | 0.025 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0040 | U | 0.00091 | 0.0040 | 0.0050 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0025 | U | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.013 | U | 0.0050 | 0.013 | 0.025 | mg/Kg |
| 67-64-1 | Acetone | 0.020 | U | 0.0062 | 0.020 | 0.025 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0040 | U | 0.0013 | 0.0040 | 0.0050 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0080 | U | 0.0034 | 0.0080 | 0.010 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0025 | U | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0025 | U | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.020 | U | 0.0057 | 0.020 | 0.025 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0025 | U | 0.00087 | 0.0025 | 0.0050 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0040 | U | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0025 | U | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 67-66-3 | Chloroform | 0.0040 | U | 0.00067 | 0.0040 | 0.0050 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0025 | U | 0.00073 | 0.0025 | 0.0050 | mg/Kg |
| 71-43-2 | Benzene | 0.0025 | U | 0.00072 | 0.0025 | 0.0050 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0025 | U | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0025 | U | 0.00075 | 0.0025 | 0.0050 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0025 | U | 0.00066 | 0.0025 | 0.0050 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0025 | U | 0.00056 | 0.0025 | 0.0050 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.013 | U | 0.0044 | 0.013 | 0.025 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0221SBL01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0221SBL01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021276.D | 1 | | 02/21/25 11:12 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0025 | U | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0025 | U | 0.00057 | 0.0025 | 0.0050 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0025 | U | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.013 | U | 0.0048 | 0.013 | 0.025 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0025 | U | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0025 | U | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0025 | U | 0.00089 | 0.0025 | 0.0050 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0025 | U | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0050 | U | 0.0014 | 0.0050 | 0.010 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0075 | U | 0.0021 | 0.0075 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0025 | U | 0.00070 | 0.0025 | 0.0050 | mg/Kg |
| 100-42-5 | Styrene | 0.0025 | U | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 75-25-2 | Bromoform | 0.0025 | U | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0025 | U | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0040 | U | 0.0012 | 0.0040 | 0.0050 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0025 | U | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0025 | U | 0.0014 | 0.0025 | 0.0050 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0025 | U | 0.00058 | 0.0025 | 0.0050 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0025 | U | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0025 | U | 0.00080 | 0.0025 | 0.0050 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0221SBL01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0221SBL01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021276.D | 1 | | 02/21/25 11:12 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0025 | U | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0040 | U | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0025 | U | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0025 | U | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0025 | U | 0.00080 | 0.0025 | 0.0050 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 56.5 | | 71 - 136 | | 113% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.6 | | 78 - 119 | | 101% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.7 | | 85 - 116 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.7 | | 79 - 119 | | 91% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 173000 | 7.719 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 333000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 303000 | 11.426 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 108000 | 13.352 | | | | |

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_Y\Data\VY022125\
Data File : VY021276.D
Acq On : 21 Feb 2025 11:12
Operator : SY/MD
Sample : VY0221SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBL01

Quant Time: Feb 21 23:04:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

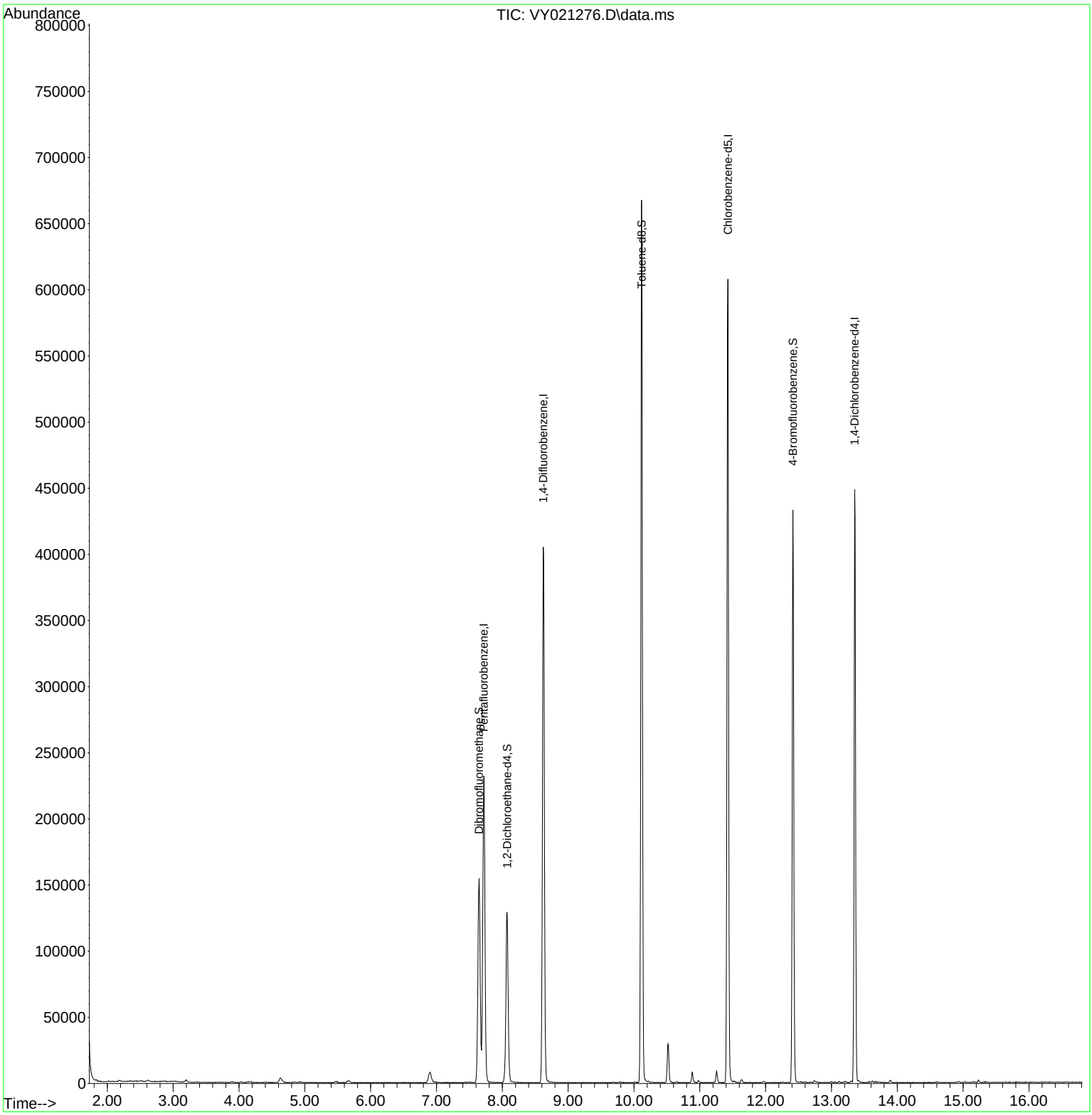
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 172979 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 332665 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 302645 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 107899 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.073 | 65 | 100137 | 56.501 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 113.000% | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 107788 | 50.559 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 101.120% | | | |
| 50) Toluene-d8 | 10.115 | 98 | 411879 | 50.746 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 101.500% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 121264 | 45.732 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 91.460% | | | |
| Target Compounds | | | | | | Qvalue |

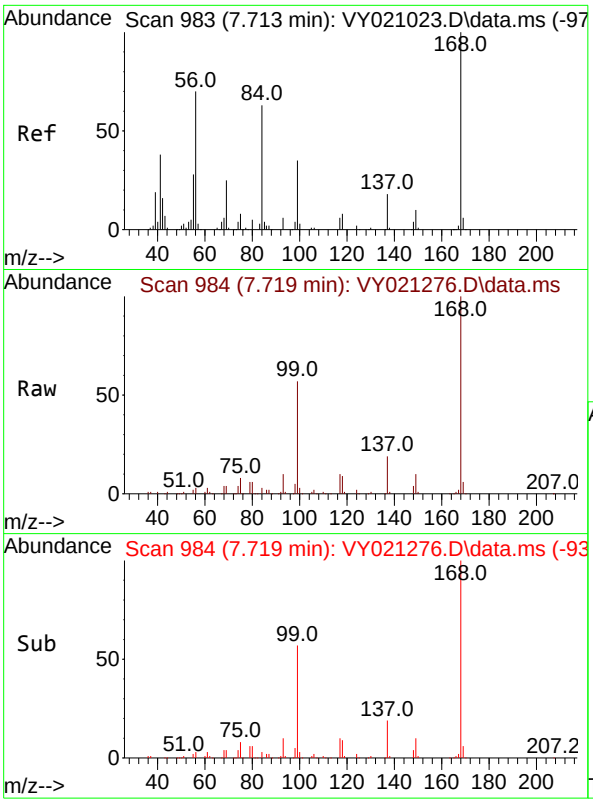
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021276.D
Acq On : 21 Feb 2025 11:12
Operator : SY/MD
Sample : VY0221SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBL01

Quant Time: Feb 21 23:04:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



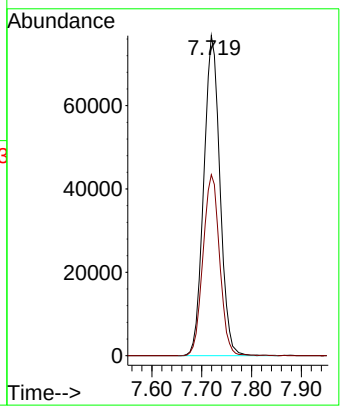


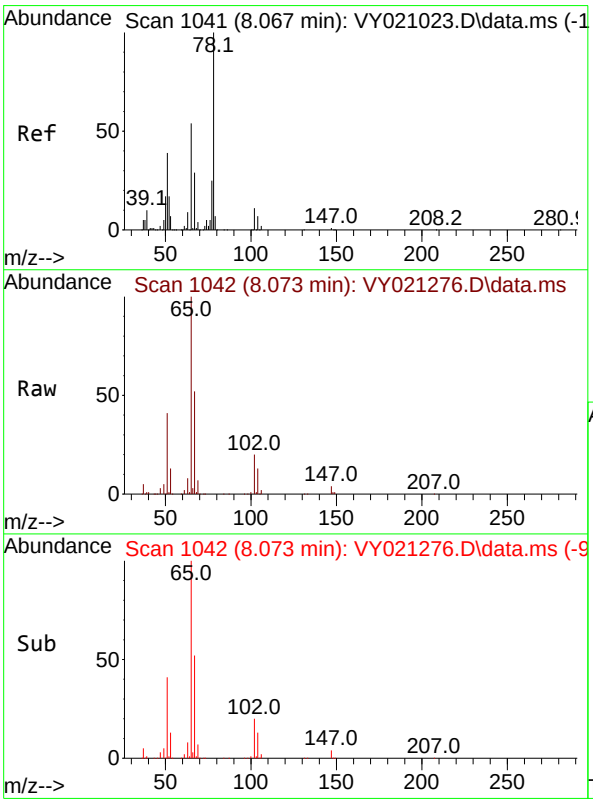

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021276.D
Acq: 21 Feb 2025 11:12

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBL01

Tgt Ion:168 Resp: 172979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.5 | 44.2 | 66.4 |

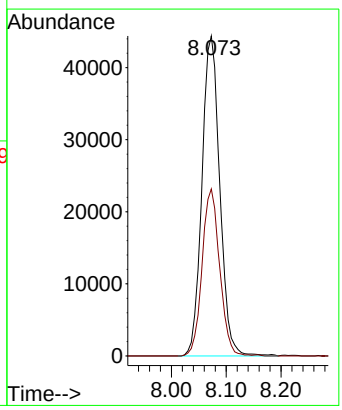


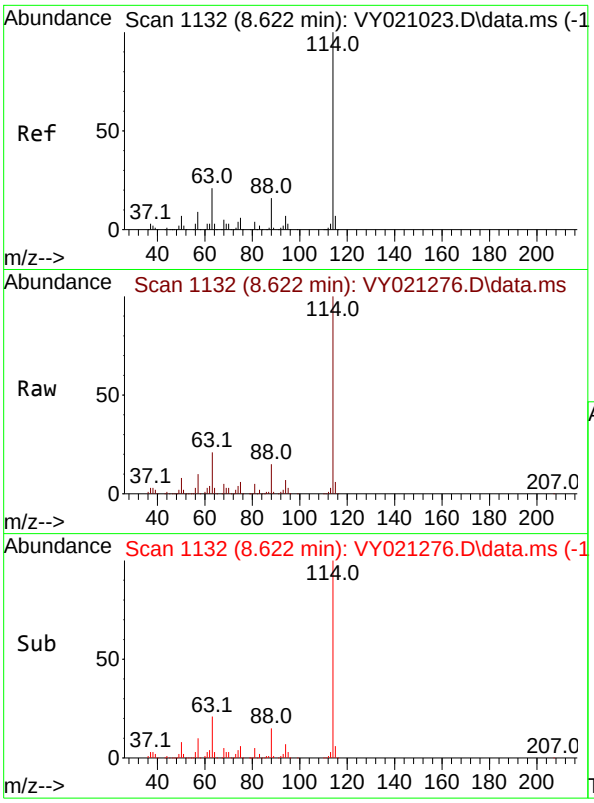




#33
1,2-Dichloroethane-d4
Concen: 56.501 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021276.D
Acq: 21 Feb 2025 11:12

Tgt Ion: 65 Resp: 100137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 109.0 |



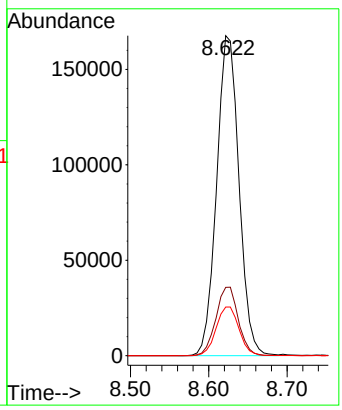


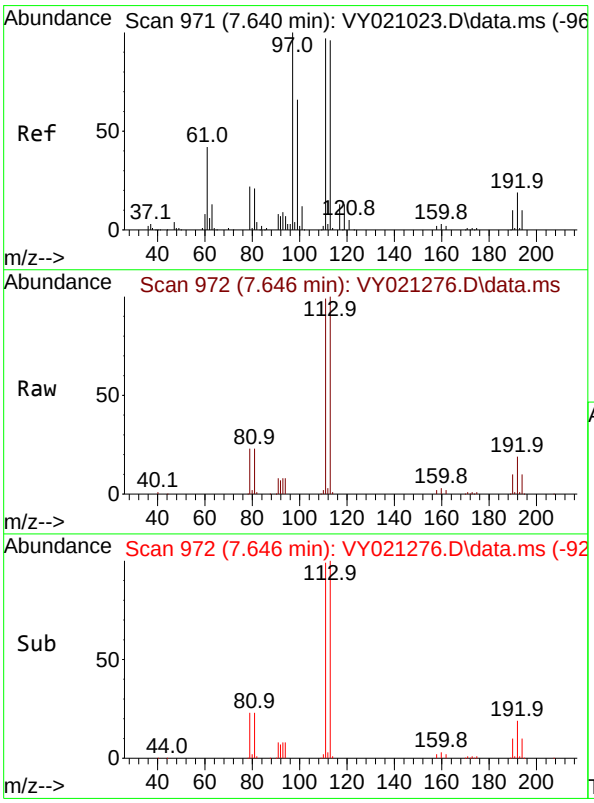

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021276.D
Acq: 21 Feb 2025 11:12

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBL01

Tgt Ion:114 Resp: 332665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 37.4 |
| 88 | 15.2 | 0.0 | 29.0 |

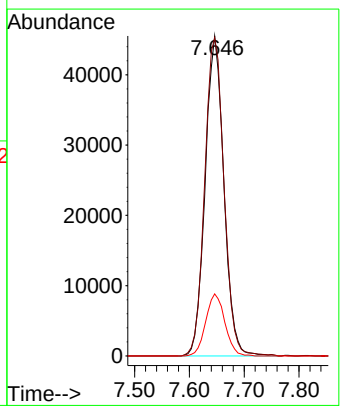


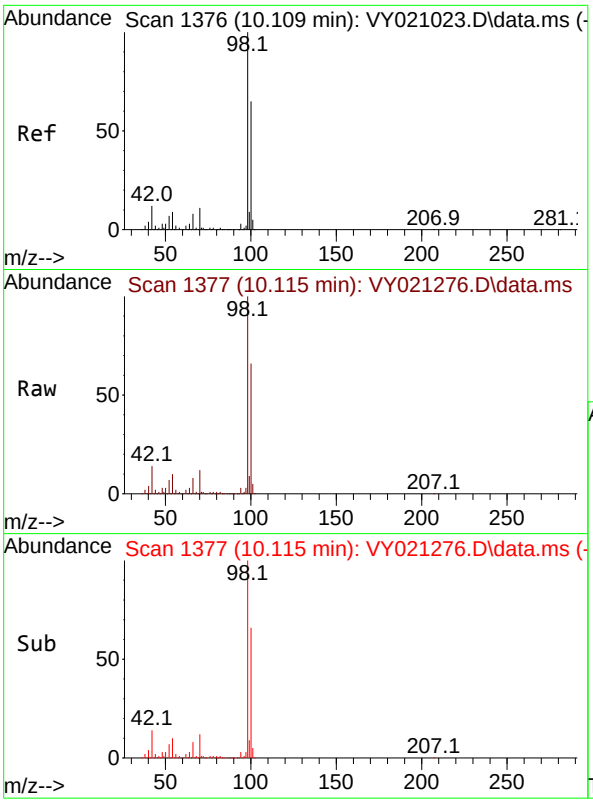




#35
Dibromofluoromethane
Concen: 50.559 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY021276.D
Acq: 21 Feb 2025 11:12

Tgt Ion:113 Resp: 107788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 83.8 | 125.6 |
| 192 | 19.8 | 14.5 | 21.7 |



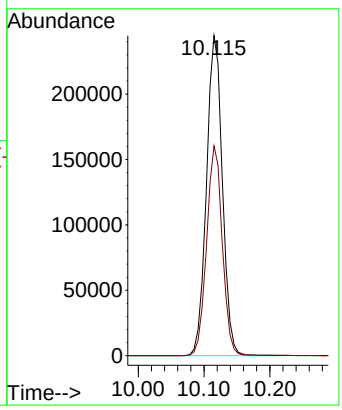


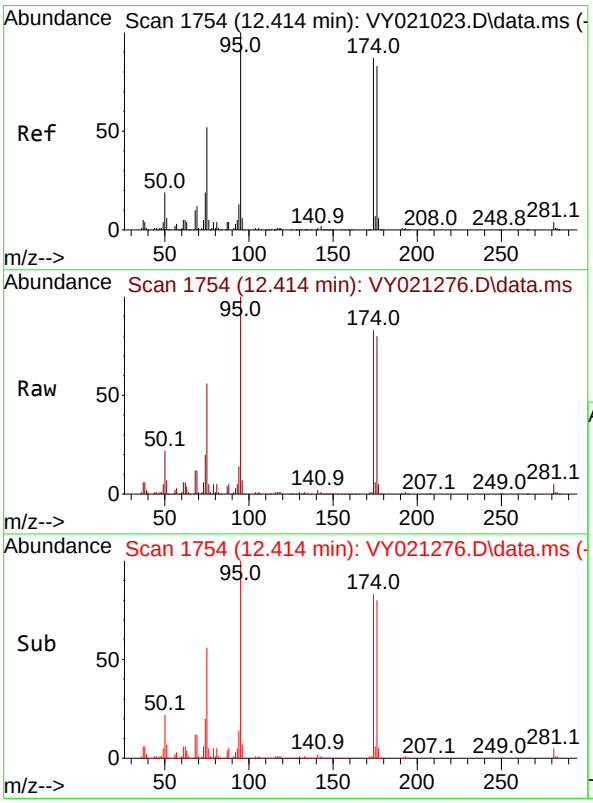

#50
Toluene-d8
Concen: 50.746 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021276.D
Acq: 21 Feb 2025 11:12

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBL01

Tgt Ion: 98 Resp: 411879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 52.3 | 78.5 |

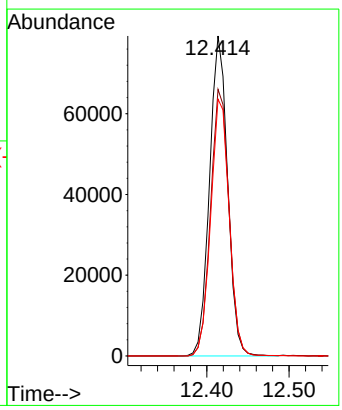


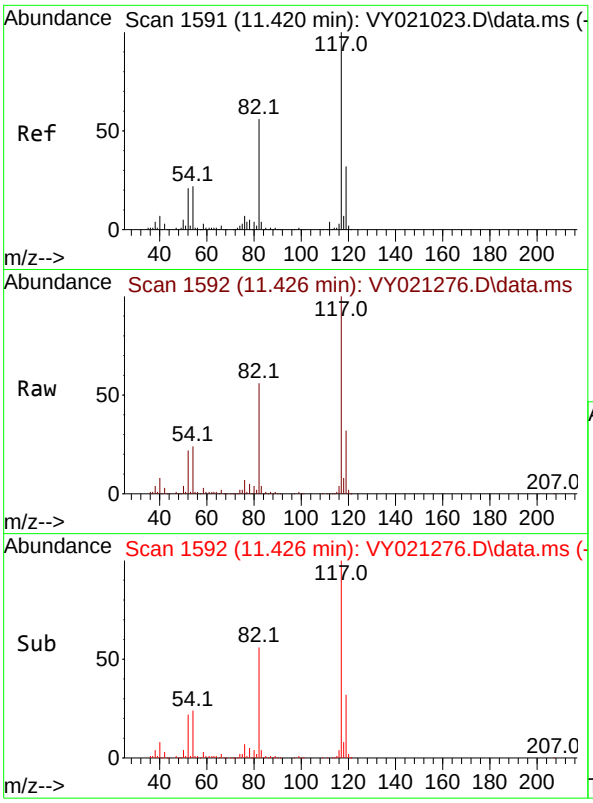




#62
4-Bromofluorobenzene
Concen: 45.732 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021276.D
Acq: 21 Feb 2025 11:12

Tgt Ion: 95 Resp: 121264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.0 | 0.0 | 160.0 |
| 176 | 82.1 | 0.0 | 151.8 |



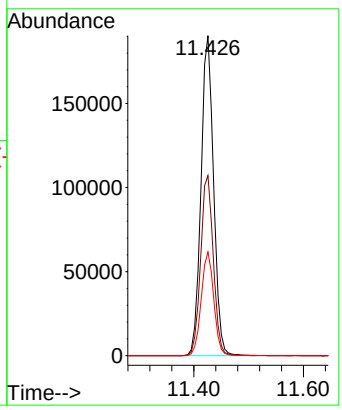


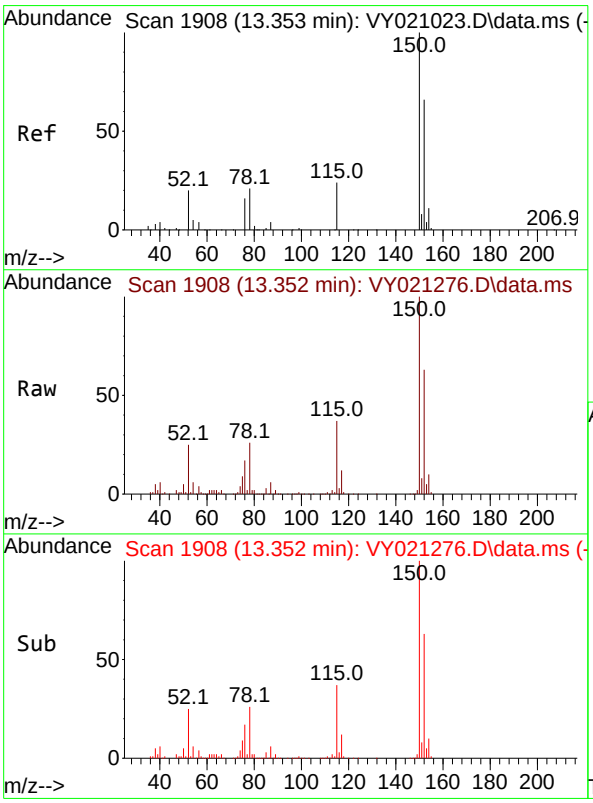

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021276.D
Acq: 21 Feb 2025 11:12

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBL01

Tgt Ion:117 Resp: 302645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 43.8 | 65.8 |
| 119 | 32.4 | 26.5 | 39.7 |

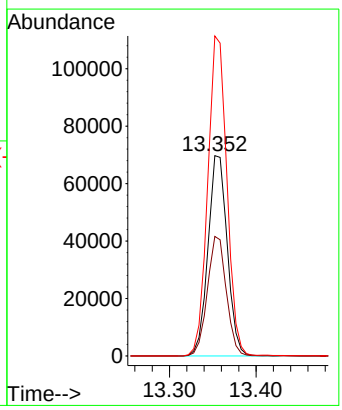



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021276.D
Acq: 21 Feb 2025 11:12

Tgt Ion:152 Resp: 107899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.8 | 30.0 | 90.0 |
| 150 | 158.8 | 0.0 | 344.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0226SBL01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0226SBL01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021321.D | 1 | | 02/26/25 10:50 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.0040 | U | 0.0017 | 0.0040 | 0.0050 | mg/Kg |
| 74-87-3 | Chloromethane | 0.0025 | U | 0.0012 | 0.0025 | 0.0050 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.0025 | U | 0.00077 | 0.0025 | 0.0050 | mg/Kg |
| 74-83-9 | Bromomethane | 0.0040 | U | 0.0010 | 0.0040 | 0.0050 | mg/Kg |
| 75-00-3 | Chloroethane | 0.0025 | U | 0.0010 | 0.0025 | 0.0050 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.013 | U | 0.0052 | 0.013 | 0.025 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.0040 | U | 0.00091 | 0.0040 | 0.0050 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.0025 | U | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.013 | U | 0.0050 | 0.013 | 0.025 | mg/Kg |
| 67-64-1 | Acetone | 0.020 | U | 0.0062 | 0.020 | 0.025 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.0040 | U | 0.0013 | 0.0040 | 0.0050 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.0080 | U | 0.0034 | 0.0080 | 0.010 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.0025 | U | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.0025 | U | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.020 | U | 0.0057 | 0.020 | 0.025 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.0025 | U | 0.00087 | 0.0025 | 0.0050 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.0040 | U | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.0025 | U | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 67-66-3 | Chloroform | 0.0040 | U | 0.00067 | 0.0040 | 0.0050 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.0025 | U | 0.00073 | 0.0025 | 0.0050 | mg/Kg |
| 71-43-2 | Benzene | 0.0025 | U | 0.00072 | 0.0025 | 0.0050 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.0025 | U | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.0025 | U | 0.00075 | 0.0025 | 0.0050 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.0025 | U | 0.00066 | 0.0025 | 0.0050 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.0025 | U | 0.00056 | 0.0025 | 0.0050 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.013 | U | 0.0044 | 0.013 | 0.025 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0226SBL01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0226SBL01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021321.D | 1 | | 02/26/25 10:50 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.0025 | U | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.0025 | U | 0.00057 | 0.0025 | 0.0050 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.0025 | U | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.013 | U | 0.0048 | 0.013 | 0.025 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.0025 | U | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.0025 | U | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.0025 | U | 0.00089 | 0.0025 | 0.0050 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.0025 | U | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.0050 | U | 0.0014 | 0.0050 | 0.010 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.0075 | U | 0.0021 | 0.0075 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.0025 | U | 0.00070 | 0.0025 | 0.0050 | mg/Kg |
| 100-42-5 | Styrene | 0.0025 | U | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 75-25-2 | Bromoform | 0.0025 | U | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.0025 | U | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.0040 | U | 0.0012 | 0.0040 | 0.0050 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.0025 | U | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.0025 | U | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.0025 | U | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0025 | U | 0.0014 | 0.0025 | 0.0050 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.0025 | U | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.0025 | U | 0.00058 | 0.0025 | 0.0050 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.0025 | U | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0025 | U | 0.00080 | 0.0025 | 0.0050 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0226SBL01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0226SBL01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021321.D | 1 | | 02/26/25 10:50 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.0025 | U | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.0025 | U | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.0040 | U | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.0025 | U | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.0025 | U | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.0025 | U | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.0025 | U | 0.00080 | 0.0025 | 0.0050 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 53.1 | | 71 - 136 | | 106% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.5 | | 78 - 119 | | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.1 | | 85 - 116 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.1 | | 79 - 119 | | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 251000 | 7.713 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 484000 | 8.615 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 470000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 192000 | 13.346 | | | | |

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_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBL01

Quant Time: Feb 27 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

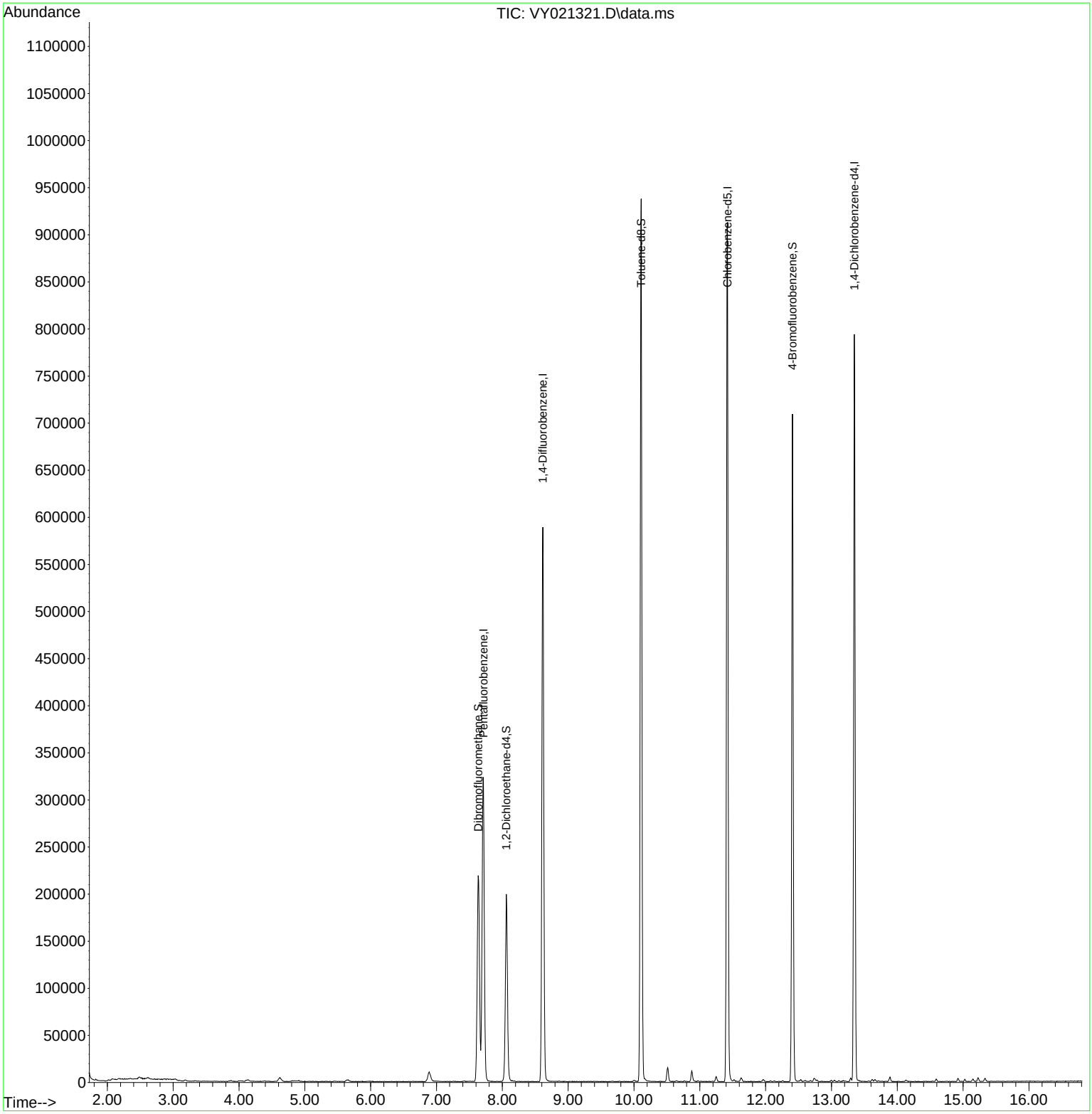
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 251129 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.615 | 114 | 483695 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 470141 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 192201 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 151228 | 53.084 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 106.160% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 156988 | 49.505 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 99.020% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 601618 | 49.089 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 98.180% | | | |
| 62) 4-Bromofluorobenzene | 12.407 | 95 | 206622 | 50.096 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 100.200% | | | |
| Target Compounds | | | | | | Qvalue |

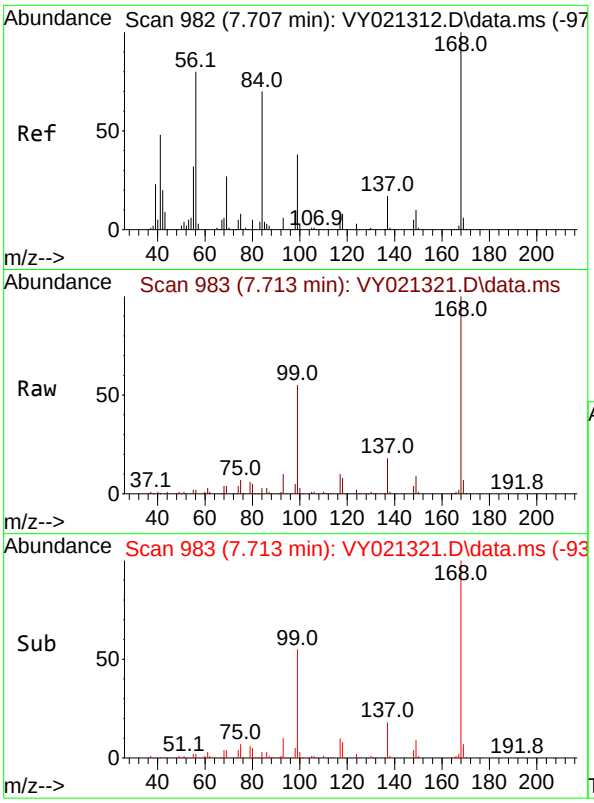
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBL01

Quant Time: Feb 27 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



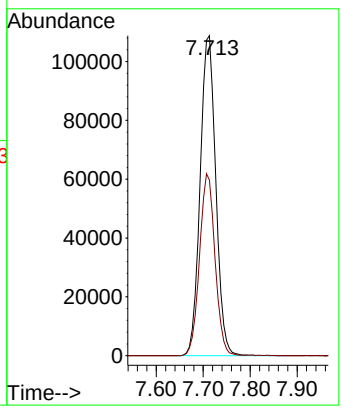


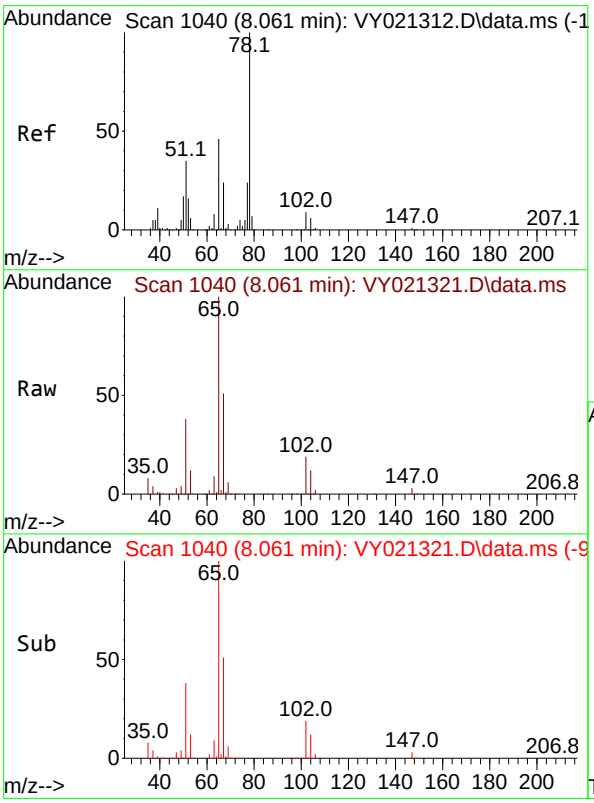

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBL01

Tgt Ion:168 Resp: 251129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.9 | 47.1 | 70.7 |

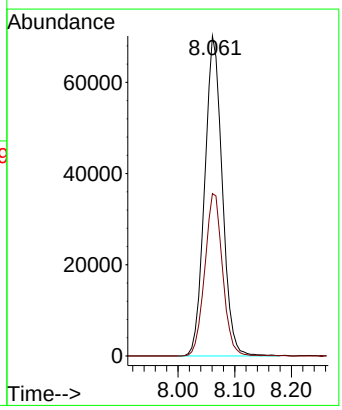


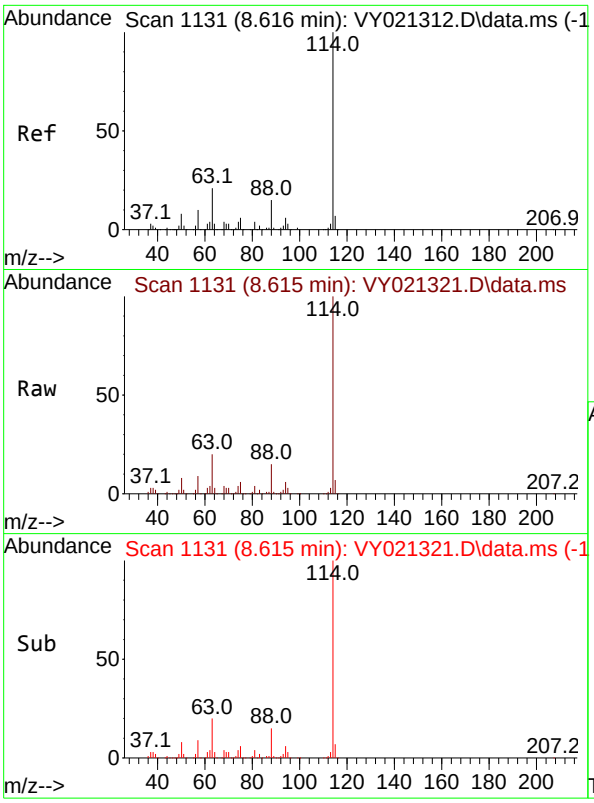




#33
1,2-Dichloroethane-d4
Concen: 53.084 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion: 65 Resp: 151228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 103.6 |



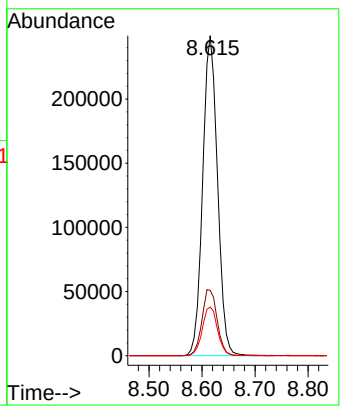


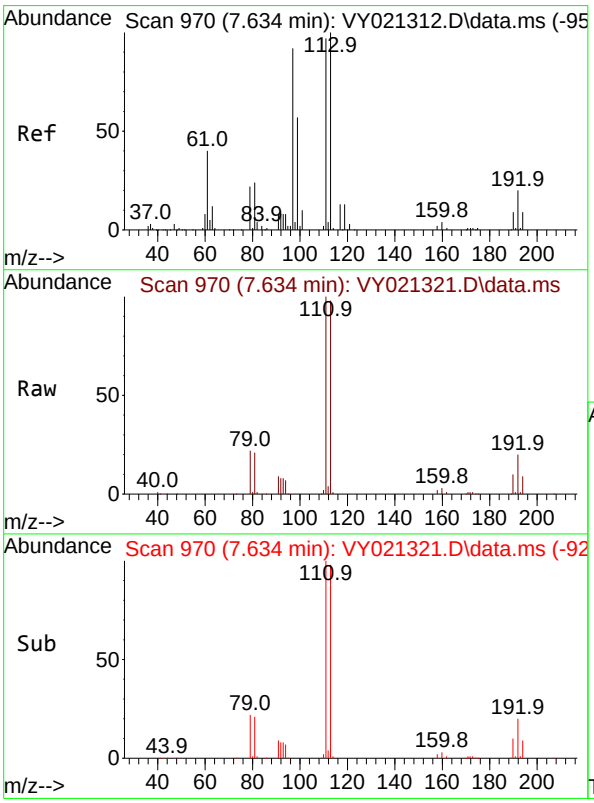

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBL01

Tgt Ion:114 Resp: 483695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 42.2 |
| 88 | 15.2 | 0.0 | 29.8 |

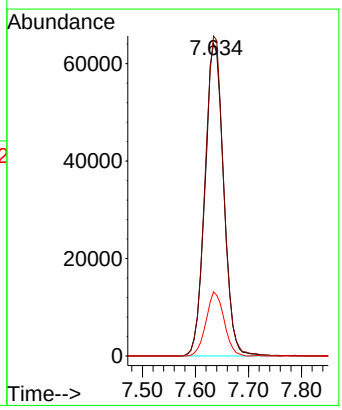


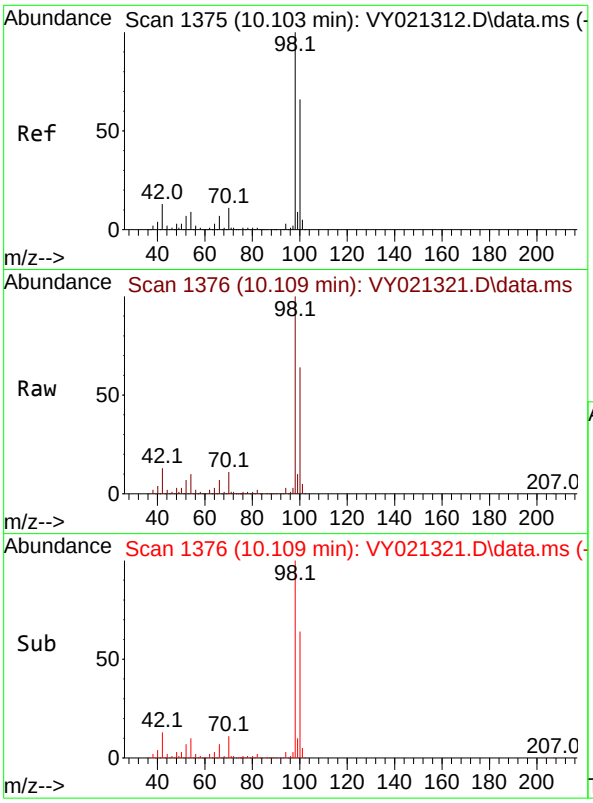




#35
Dibromofluoromethane
Concen: 49.505 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion:113 Resp: 156988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.0 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |



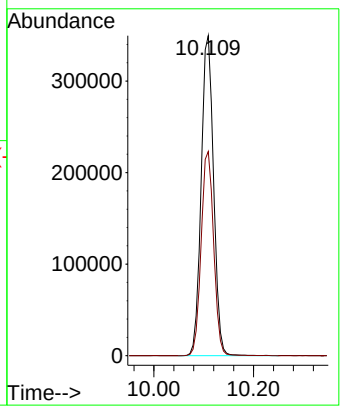


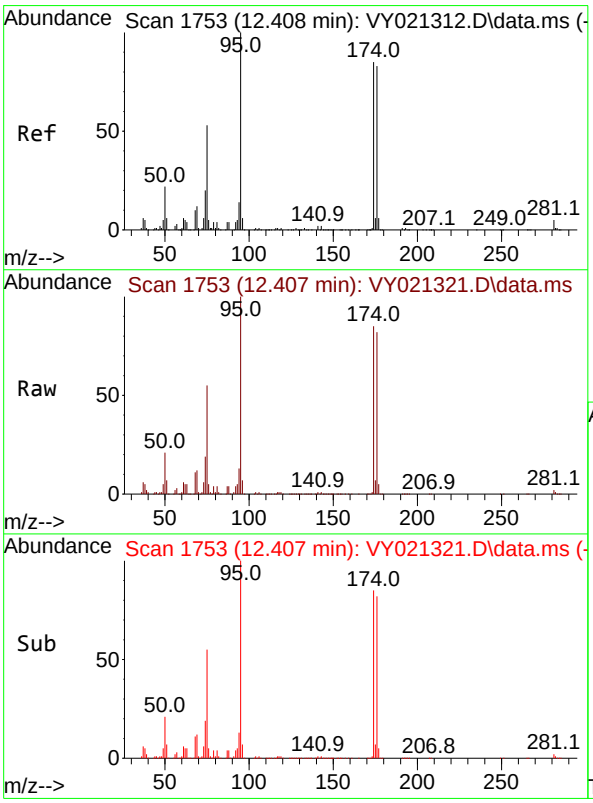

#50
Toluene-d8
Concen: 49.089 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBL01

Tgt Ion: 98 Resp: 601618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 52.4 | 78.6 |

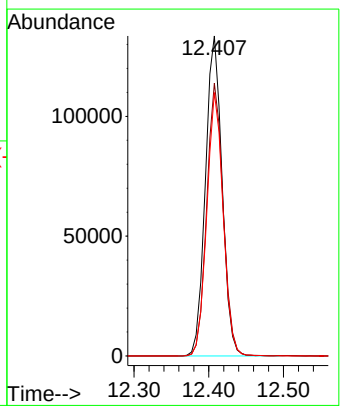


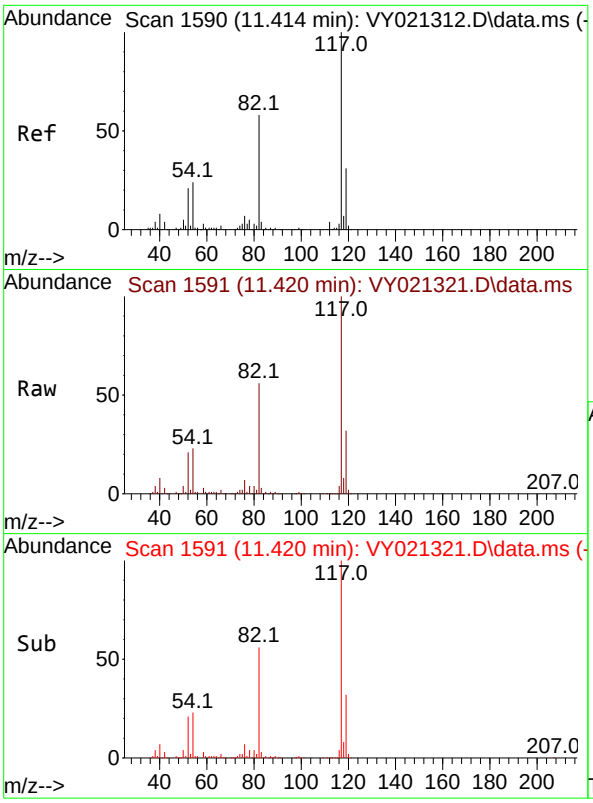




#62
4-Bromofluorobenzene
Concen: 50.096 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion: 95 Resp: 206622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.3 | 0.0 | 168.0 |
| 176 | 80.7 | 0.0 | 162.6 |



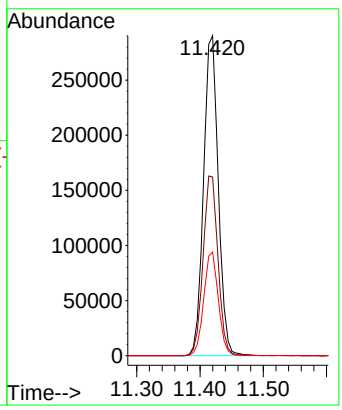


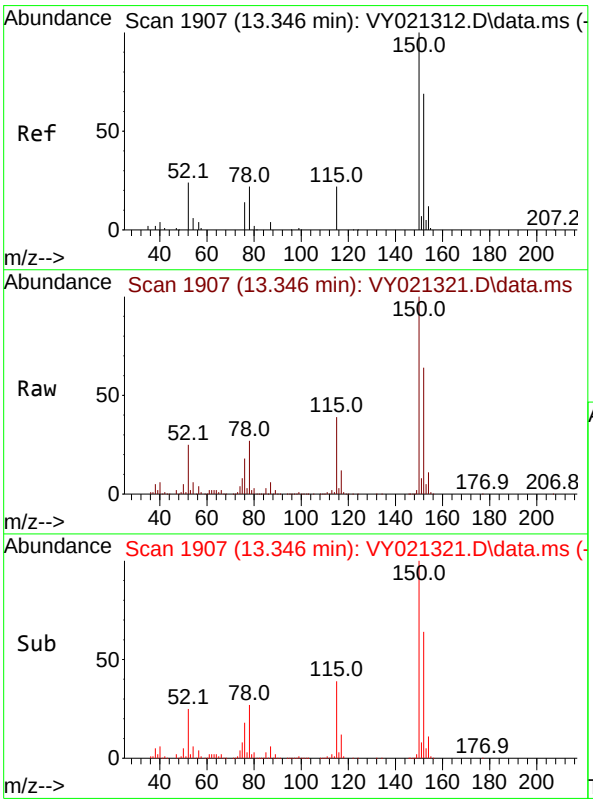

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBL01

Tgt Ion:117 Resp: 470141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.8 | 46.2 | 69.4 |
| 119 | 32.4 | 24.9 | 37.3 |

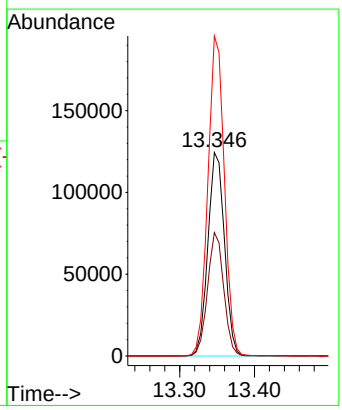



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion:152 Resp: 192201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.0 | 29.3 | 88.0 |
| 150 | 156.2 | 0.0 | 347.4 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0219SBS01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0219SBS01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021238.D | 1 | | 02/19/25 15:49 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.028 | | 0.0017 | 0.0040 | 0.0050 | mg/Kg |
| 74-87-3 | Chloromethane | 0.030 | | 0.0012 | 0.0025 | 0.0050 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.029 | | 0.00077 | 0.0025 | 0.0050 | mg/Kg |
| 74-83-9 | Bromomethane | 0.028 | | 0.0010 | 0.0040 | 0.0050 | mg/Kg |
| 75-00-3 | Chloroethane | 0.029 | | 0.0010 | 0.0025 | 0.0050 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.12 | | 0.0052 | 0.013 | 0.025 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.024 | | 0.00091 | 0.0040 | 0.0050 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.023 | | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.024 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.11 | | 0.0050 | 0.013 | 0.025 | mg/Kg |
| 67-64-1 | Acetone | 0.13 | | 0.0062 | 0.020 | 0.025 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.025 | | 0.0013 | 0.0040 | 0.0050 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.023 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.024 | | 0.0034 | 0.0080 | 0.010 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.023 | | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.023 | | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.12 | | 0.0057 | 0.020 | 0.025 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.021 | | 0.00087 | 0.0025 | 0.0050 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.023 | | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.023 | | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 67-66-3 | Chloroform | 0.023 | | 0.00067 | 0.0040 | 0.0050 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.023 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.022 | | 0.00073 | 0.0025 | 0.0050 | mg/Kg |
| 71-43-2 | Benzene | 0.023 | | 0.00072 | 0.0025 | 0.0050 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.023 | | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.022 | | 0.00075 | 0.0025 | 0.0050 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.023 | | 0.00066 | 0.0025 | 0.0050 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.021 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.022 | | 0.00056 | 0.0025 | 0.0050 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.11 | | 0.0044 | 0.013 | 0.025 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0219SBS01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0219SBS01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021238.D | 1 | | 02/19/25 15:49 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.023 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.022 | | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.022 | | 0.00057 | 0.0025 | 0.0050 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.022 | | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.022 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.11 | | 0.0048 | 0.013 | 0.025 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.021 | | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.022 | | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.022 | | 0.00089 | 0.0025 | 0.0050 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.022 | | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.022 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.022 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.045 | | 0.0014 | 0.0050 | 0.010 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.068 | | 0.0021 | 0.0075 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.022 | | 0.00070 | 0.0025 | 0.0050 | mg/Kg |
| 100-42-5 | Styrene | 0.022 | | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 75-25-2 | Bromoform | 0.021 | | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.021 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.021 | | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.018 | | 0.0012 | 0.0040 | 0.0050 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.021 | | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.022 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.021 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.022 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.022 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.021 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.022 | | 0.0014 | 0.0025 | 0.0050 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.021 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.021 | | 0.00058 | 0.0025 | 0.0050 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.021 | | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.021 | | 0.00080 | 0.0025 | 0.0050 | mg/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0219SBS01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0219SBS01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021238.D | 1 | | 02/19/25 15:49 | VY021925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.021 | | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.021 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.020 | | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.021 | | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.021 | | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.021 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.020 | | 0.00080 | 0.0025 | 0.0050 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.3 | | 71 - 136 | | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.6 | | 78 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 47.3 | | 85 - 116 | | 95% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.7 | | 79 - 119 | | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 187000 | 7.713 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 302000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 256000 | 11.42 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 127000 | 13.352 | | | | |

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_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations APPROVED**
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 187422 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 302089 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 255752 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 127239 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 96623 | 50.317 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 100.640% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 94052 | 48.581 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 97.160% | | | |
| 50) Toluene-d8 | 10.115 | 98 | 348838 | 47.329 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 94.660% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 121983 | 50.660 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 101.320% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 46376 | 27.762 | ug/l | 95 |
| 3) Chloromethane | 2.074 | 50 | 49490 | 30.024 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 48103 | 28.993 | ug/l | 99 |
| 5) Bromomethane | 2.604 | 94 | 28987 | 28.268 | ug/l | 97 |
| 6) Chloroethane | 2.745 | 64 | 28721 | 29.080 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 73884 | 24.443 | ug/l | 99 |
| 8) Diethyl Ether | 3.464 | 74 | 21968 | 23.281 | ug/l | 94 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 44280 | 23.341 | ug/l | 98 |
| 10) Methyl Iodide | 4.019 | 142 | 48916 | 23.209 | ug/l | 93 |
| 11) Tert butyl alcohol | 4.885 | 59 | 14572 | 111.981 | ug/l # | 92 |
| 12) 1,1-Dichloroethene | 3.805 | 96 | 42418 | 23.737 | ug/l | 95 |
| 13) Acrolein | 3.659 | 56 | 17095 | 85.311 | ug/l | 98 |
| 14) Allyl chloride | 4.397 | 41 | 72775 | 24.163 | ug/l | 96 |
| 15) Acrylonitrile | 5.067 | 53 | 44404 | 113.006 | ug/l | 98 |
| 16) Acetone | 3.885 | 43 | 39310 | 131.268 | ug/l | 94 |
| 17) Carbon Disulfide | 4.116 | 76 | 137791 | 24.590 | ug/l | 99 |
| 18) Methyl Acetate | 4.391 | 43 | 23178 | 22.048 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.128 | 73 | 105645 | 23.389 | ug/l | 97 |
| 20) Methylene Chloride | 4.628 | 84 | 45224 | 24.293 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 45969 | 23.369 | ug/l | 97 |
| 22) Diisopropyl ether | 6.025 | 45 | 150882 | 24.305 | ug/l | 93 |
| 23) Vinyl Acetate | 5.970 | 43 | 412742 | 119.267 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 85267 | 23.444 | ug/l | 98 |
| 25) 2-Butanone | 6.909 | 43 | 58186 | 118.240 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 77868 | 23.138 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 51981 | 22.958 | ug/l | 91 |
| 28) Bromochloromethane | 7.256 | 49 | 29792 | 20.715 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.268 | 42 | 38714 | 116.263 | ug/l | 95 |
| 30) Chloroform | 7.433 | 83 | 86955 | 23.276 | ug/l | 99 |
| 31) Cyclohexane | 7.707 | 56 | 77540 | 23.674 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 78817 | 22.692 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 63470 | 22.134 | ug/l | 99 |
| 37) Ethyl Acetate | 6.994 | 43 | 28755 | 22.858 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 71680 | 21.393 | ug/l | 99 |
| 39) Methylcyclohexane | 9.115 | 83 | 79691 | 22.720 | ug/l | 98 |
| 40) Benzene | 8.085 | 78 | 190547 | 22.643 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.238 | 41 | 14636 | 20.111 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 52885 | 22.655 | ug/l | | 96 |
| 43) Isopropyl Acetate | 8.201 | 43 | 54845 | 21.942 | ug/l | | 98 |
| 44) Trichloroethene | 8.872 | 130 | 47883 | 22.024 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 45225 | 22.642 | ug/l | | 98 |
| 46) Dibromomethane | 9.237 | 93 | 23475 | 21.227 | ug/l | | 95 |
| 47) Bromodichloromethane | 9.432 | 83 | 65662 | 22.139 | ug/l | | 95 |
| 48) Methyl methacrylate | 9.225 | 41 | 26336 | 23.131 | ug/l | | 94 |
| 49) 1,4-Dioxane | 9.243 | 88 | 4617 | 448.469 | ug/l | | 91 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 138316 | 110.039 | ug/l | | 96 |
| 52) Toluene | 10.176 | 92 | 119448 | 22.606 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 58250 | 21.872 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 9.865 | 75 | 69958 | 22.186 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 31141 | 21.745 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.444 | 69 | 41640 | 21.735 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 55442 | 22.367 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 92595 | 101.594 | ug/l | | 99 |
| 59) 2-Hexanone | 10.768 | 43 | 89716 | 110.855 | ug/l | | 96 |
| 60) Dibromochloromethane | 10.920 | 129 | 43058 | 21.410 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 29203 | 21.771 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.652 | 164 | 41352 | 21.781 | ug/l | | 96 |
| 65) Chlorobenzene | 11.450 | 112 | 124714 | 21.900 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 44369 | 21.924 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.524 | 91 | 220992 | 21.940 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.633 | 106 | 170065 | 45.133 | ug/l | | 98 |
| 69) o-Xylene | 11.963 | 106 | 78675 | 22.395 | ug/l | | 96 |
| 70) Styrene | 11.975 | 104 | 130042 | 22.209 | ug/l | | 97 |
| 71) Bromoform | 12.139 | 173 | 24089 | 21.385 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.261 | 105 | 211405 | 21.270 | ug/l | | 100 |
| 74) N-amyl acetate | 12.078 | 43 | 45761 | 21.059 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 34149 | 20.659 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 21289m | 18.445 | ug/l | | |
| 77) Bromobenzene | 12.542 | 156 | 47410 | 20.670 | ug/l | | 96 |
| 78) n-propylbenzene | 12.603 | 91 | 255730 | 21.599 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 145452 | 21.449 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 173873 | 21.577 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 11131 | 19.678 | ug/l | | 87 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 151381 | 21.910 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.005 | 119 | 155556 | 21.237 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 170537 | 21.644 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 222457 | 21.099 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 185286 | 21.155 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 93571 | 21.128 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 92191 | 21.142 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.627 | 91 | 169011 | 21.153 | ug/l | | 98 |
| 90) Hexachloroethane | 13.889 | 117 | 38075 | 20.838 | ug/l | | 88 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 80080 | 20.833 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 5034 | 20.379 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 44493 | 20.795 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 29370 | 20.714 | ug/l | | 98 |
| 95) Naphthalene | 15.151 | 128 | 69571 | 20.324 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 36476 | 20.486 | ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

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

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

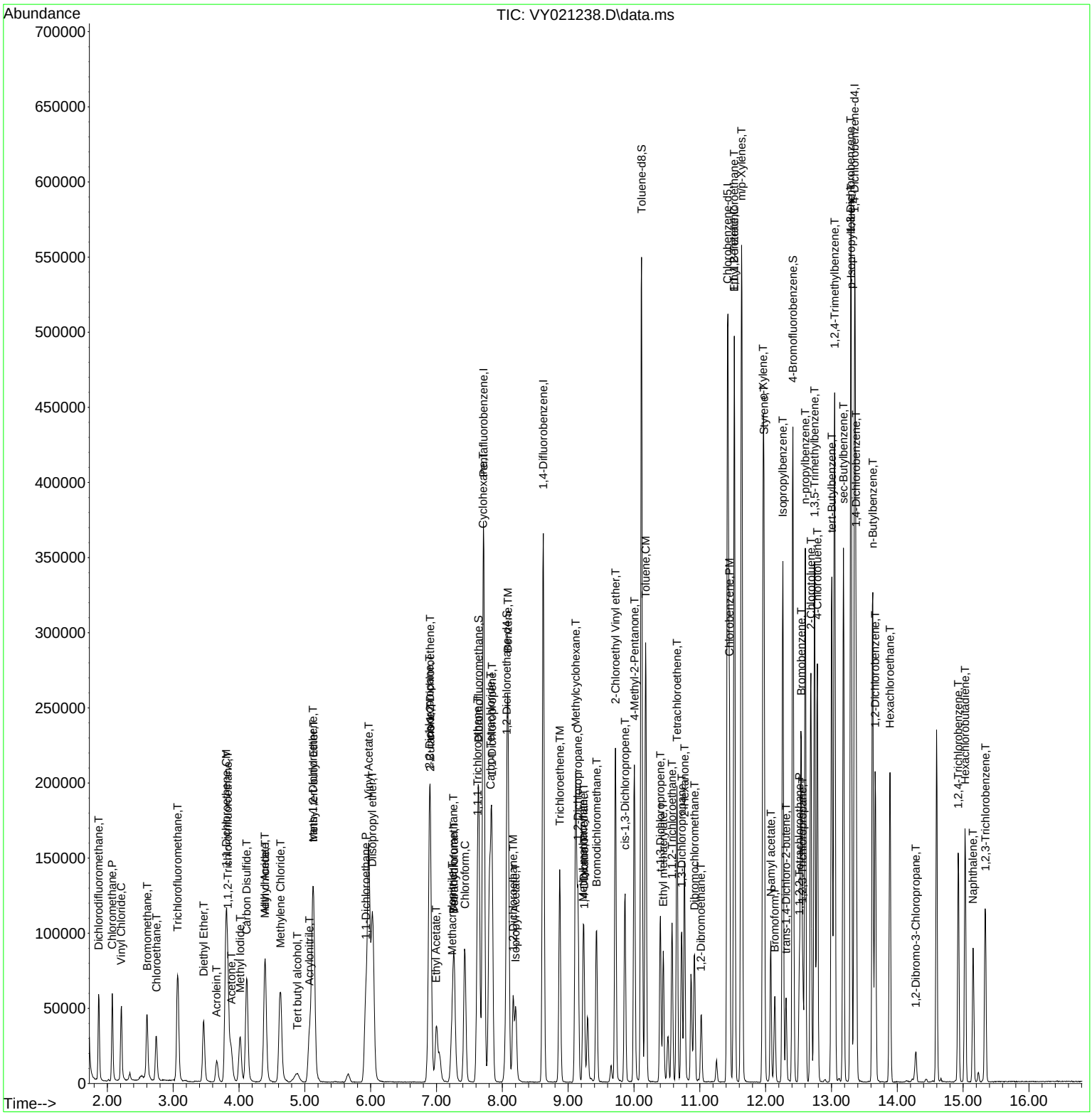
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

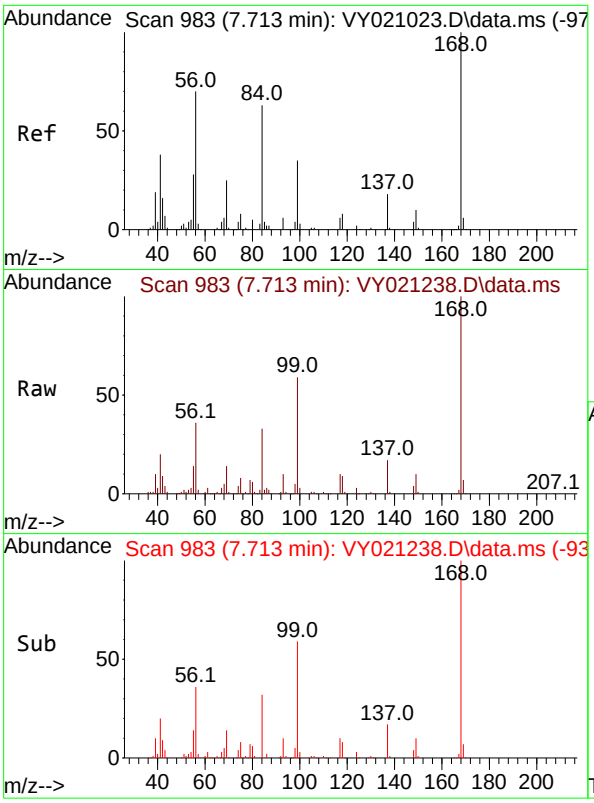
Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

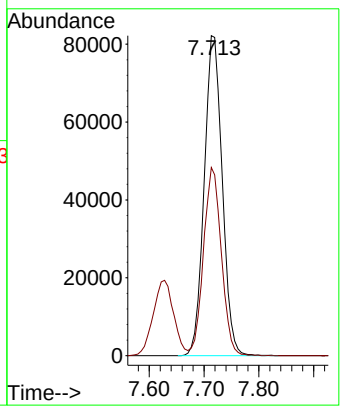





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:168 Resp: 18742

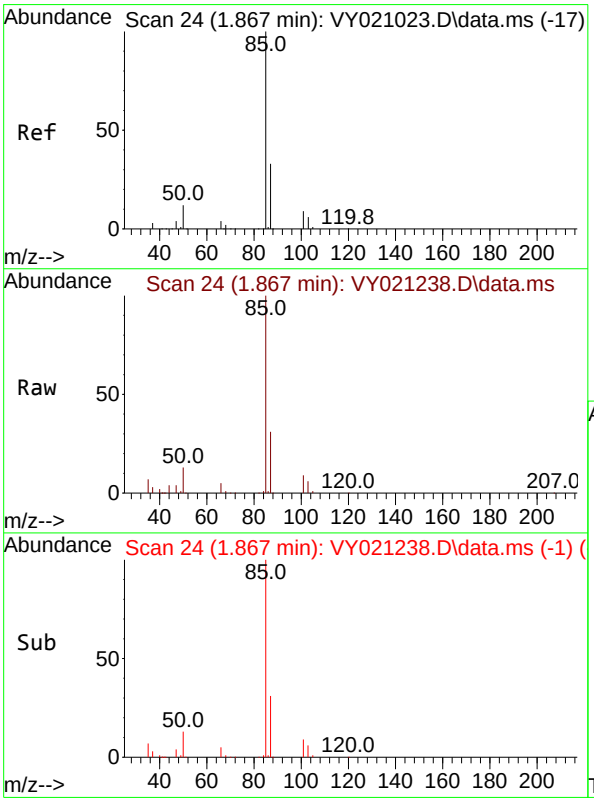
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.8 | 44.2 | 66.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

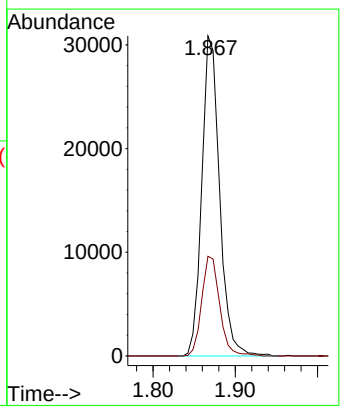
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

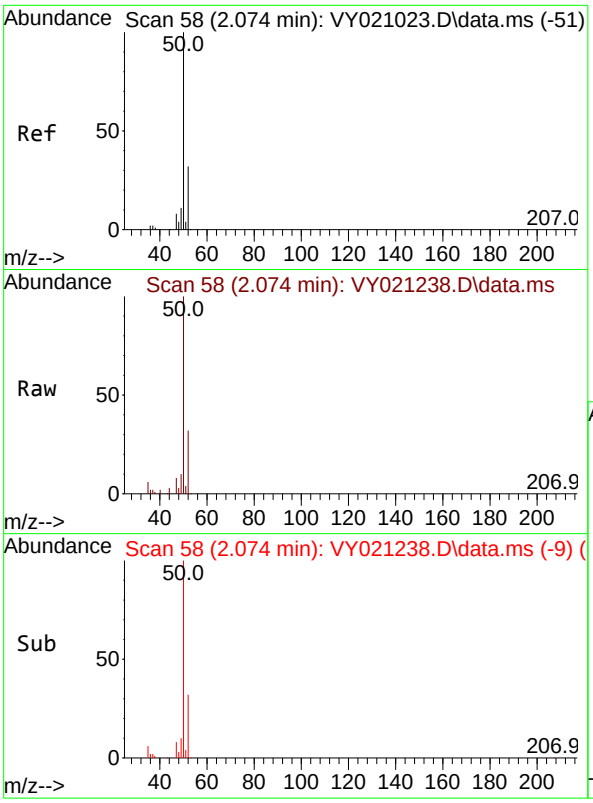



#2
Dichlorodifluoromethane
Concen: 27.762 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 85 Resp: 46376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.1 | 17.1 | 51.3 |

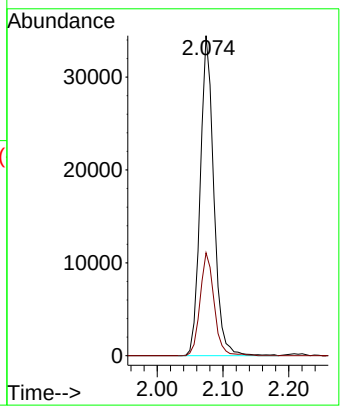





#3
Chloromethane
Concen: 30.024 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 50 Resp: 4949

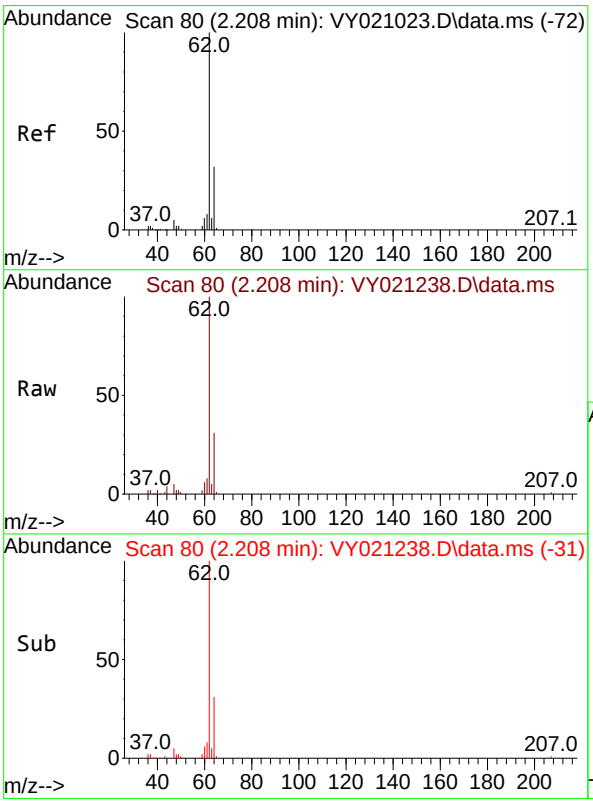
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.1 | 26.7 | 40.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

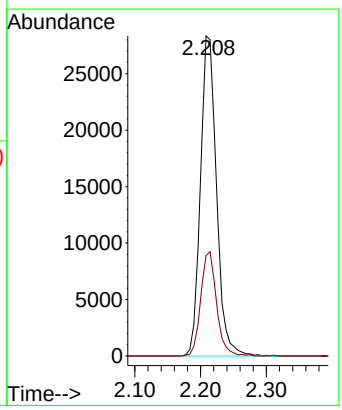
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

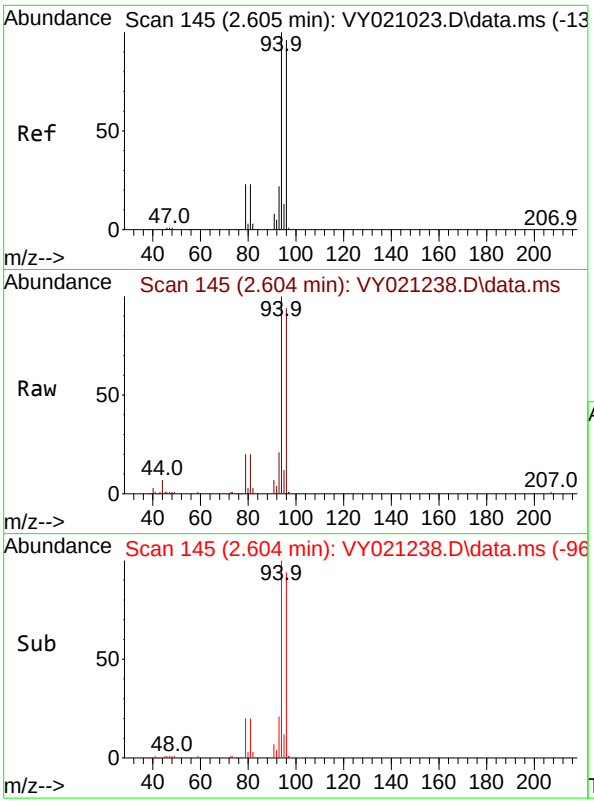



#4
Vinyl Chloride
Concen: 28.993 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 62 Resp: 48103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.3 | 25.7 | 38.5 |

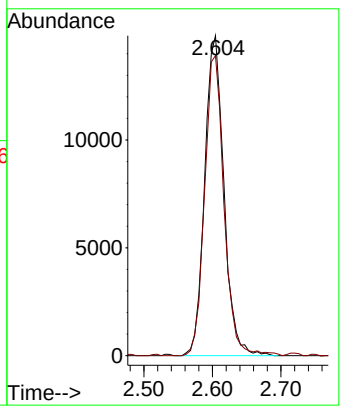





#5
Bromomethane
Concen: 28.268 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 94 Resp: 2898

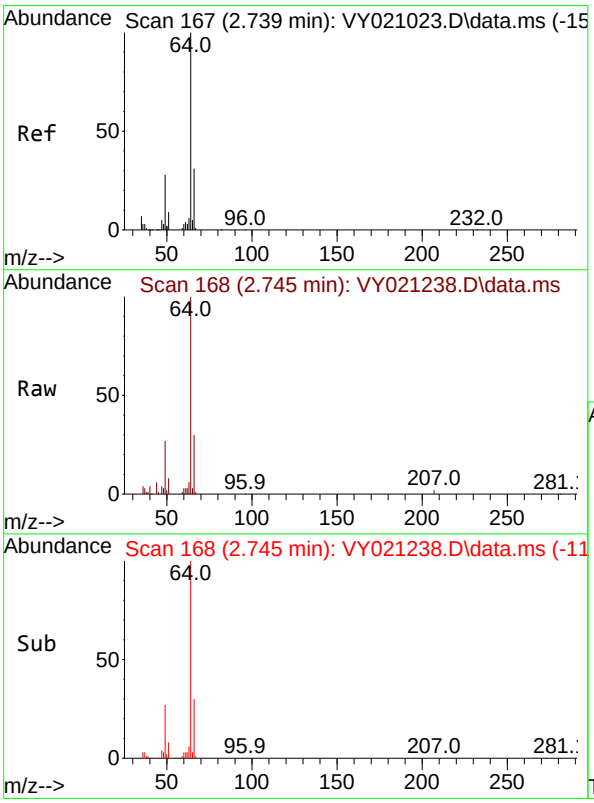
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.8 | 77.3 | 115.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

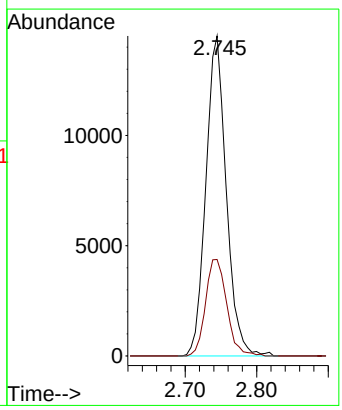
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

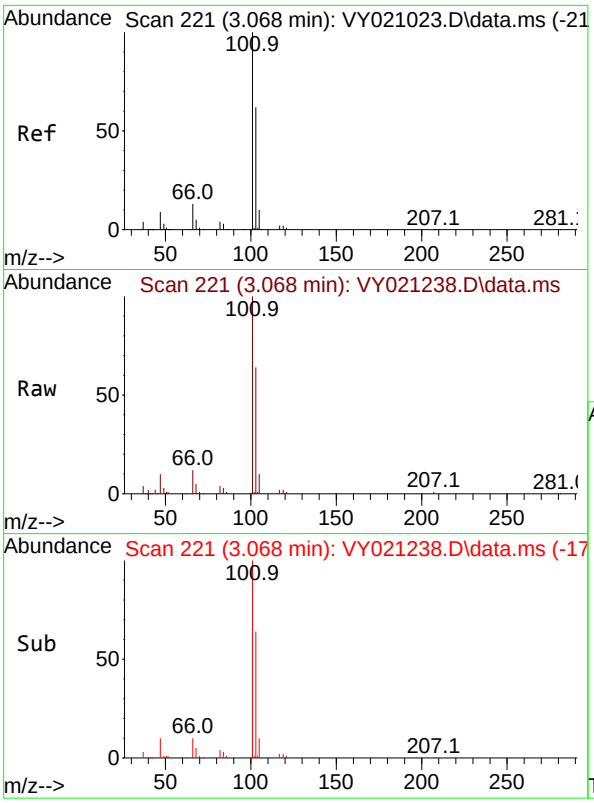



#6
Chloroethane
Concen: 29.080 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 64 Resp: 28721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.2 | 25.1 | 37.7 |

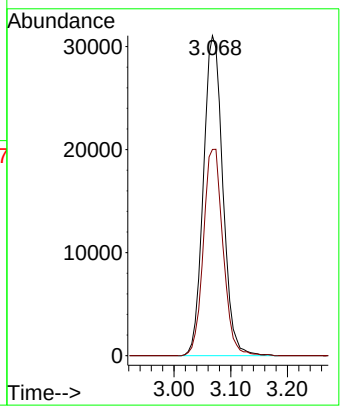





#7
Trichlorofluoromethane
Concen: 24.443 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:101 Resp: 7388

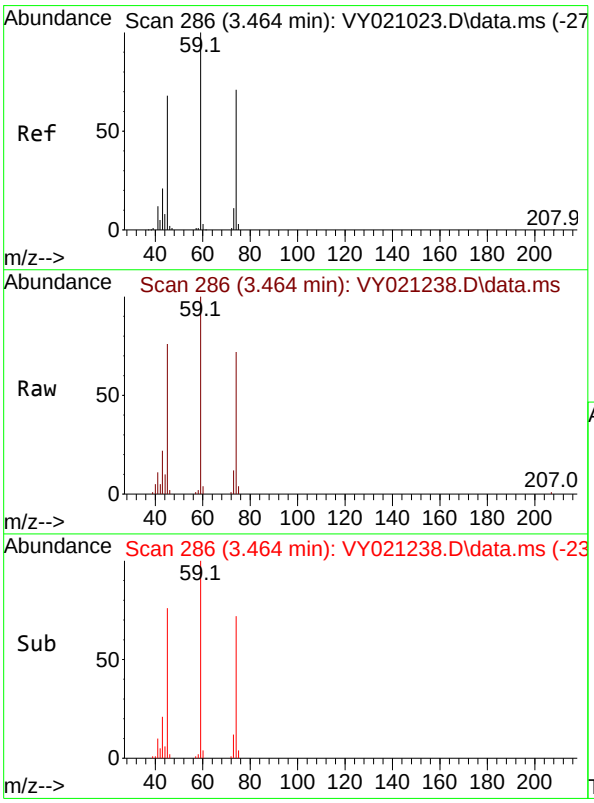
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.5 | 51.9 | 77.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

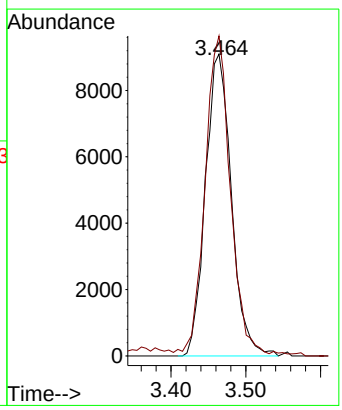
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

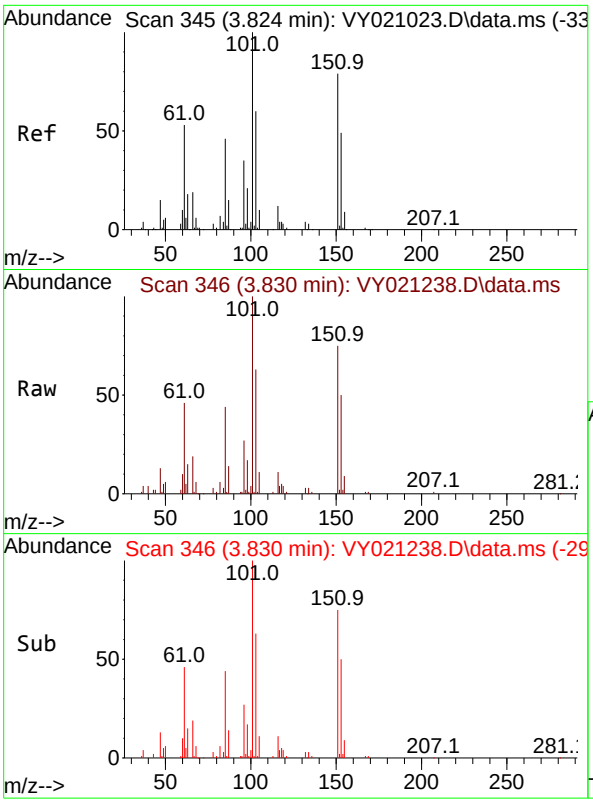



#8
Diethyl Ether
Concen: 23.281 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 74 Resp: 21968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.4 | 47.9 | 143.7 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.341 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

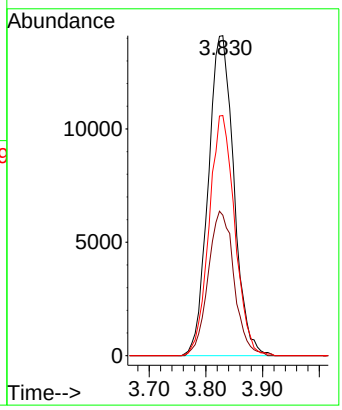
Tgt Ion:101 Resp: 4428

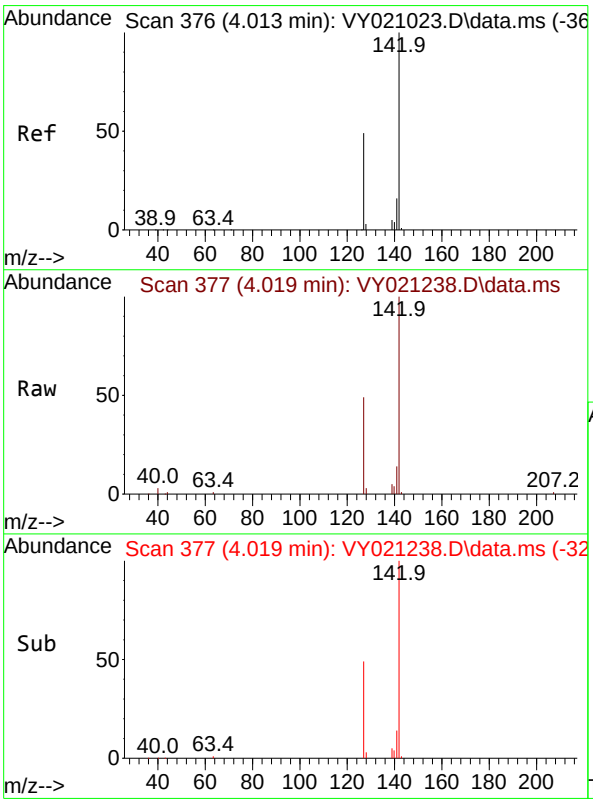
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.6 | 35.8 | 53.6 |
| 151 | 75.2 | 58.6 | 88.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

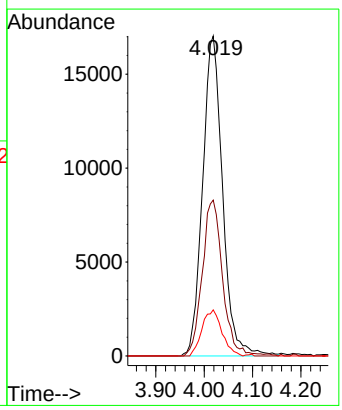


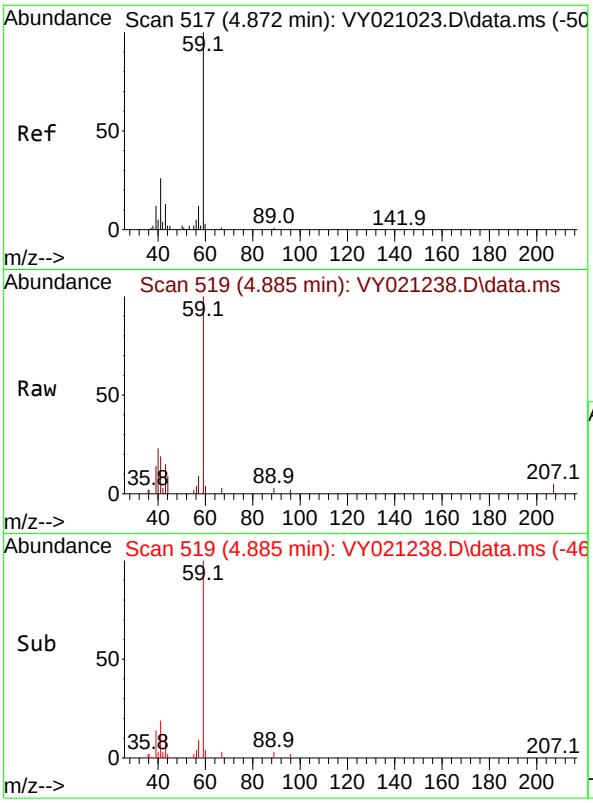




#10
Methyl Iodide
Concen: 23.209 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:142 Resp: 48916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.7 | 35.1 | 52.7 |
| 141 | 14.4 | 11.8 | 17.6 |

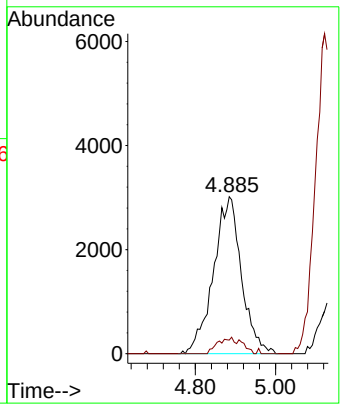





#11
Tert butyl alcohol
Concen: 111.981 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 59 Resp: 1457

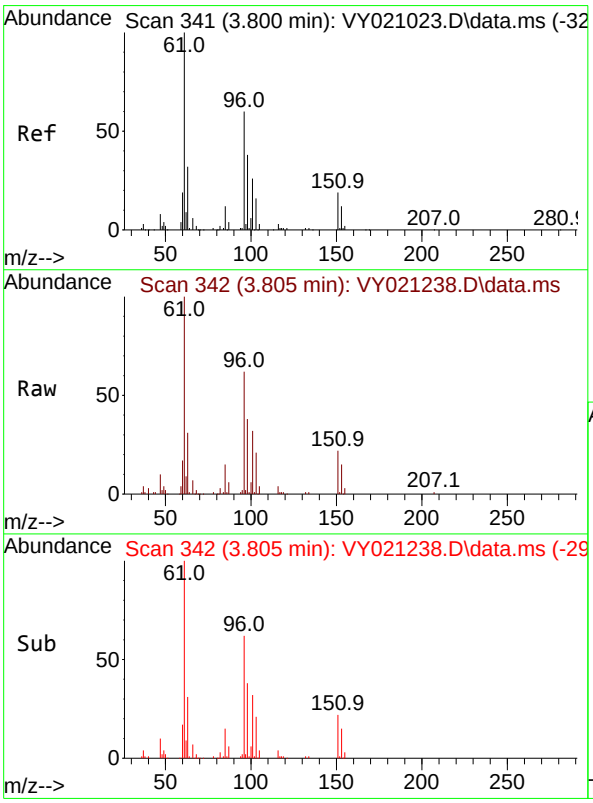
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 6.3 | 7.4 | 11.0# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

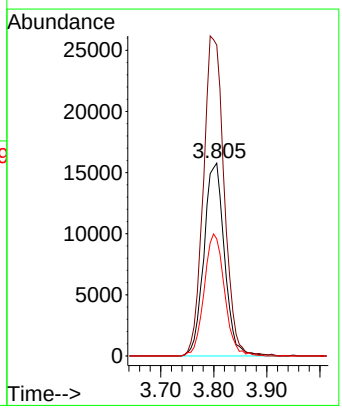
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

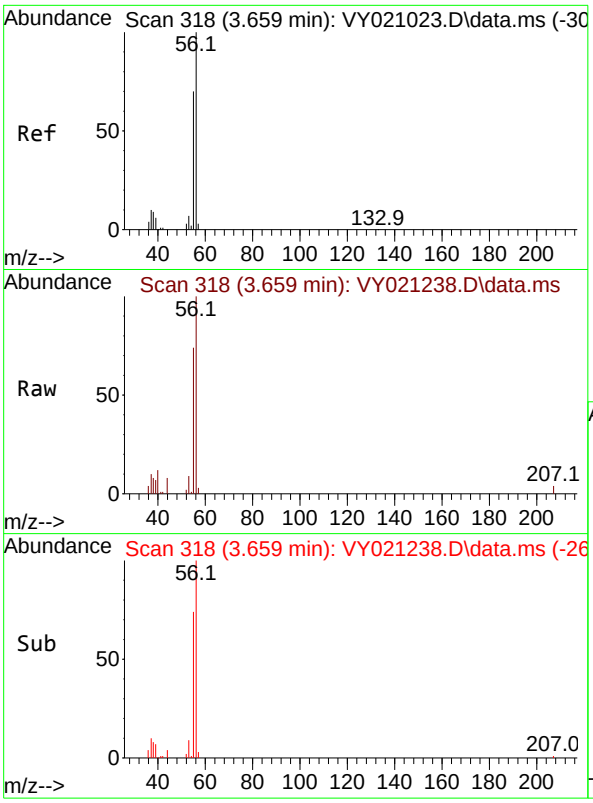



#12
1,1-Dichloroethene
Concen: 23.737 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 96 Resp: 42418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.2 | 124.2 | 186.2 |
| 98 | 60.7 | 52.6 | 79.0 |

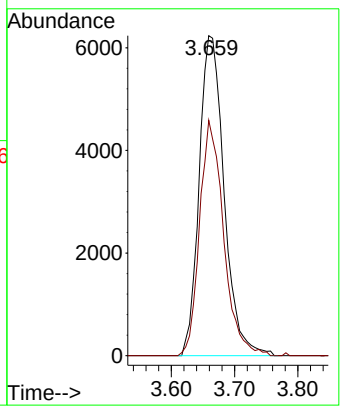





#13
Acrolein
Concen: 85.311 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 56 Resp: 1709

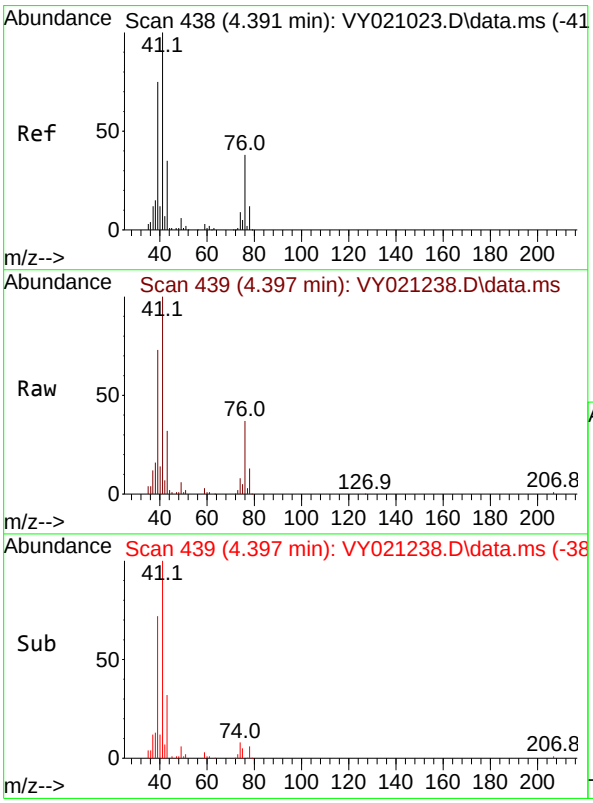
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.7 | 55.4 | 83.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

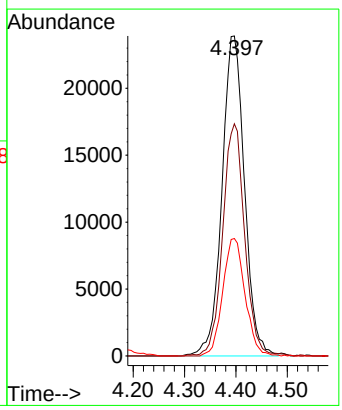
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

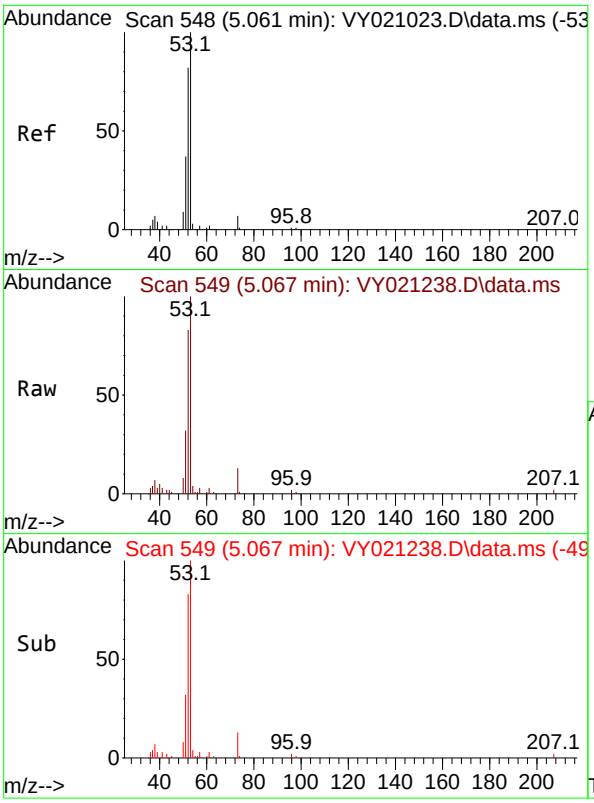



#14
Allyl chloride
Concen: 24.163 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 41 Resp: 72775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 70.8 | 54.7 | 82.1 |
| 76 | 36.3 | 31.8 | 47.6 |

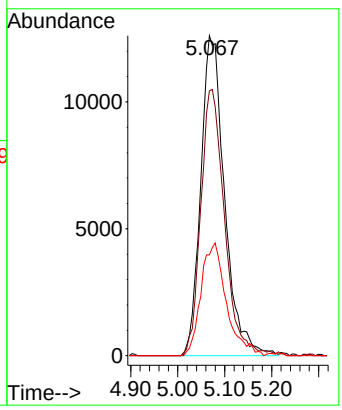





#15
Acrylonitrile
Concen: 113.006 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 53 Resp: 4440

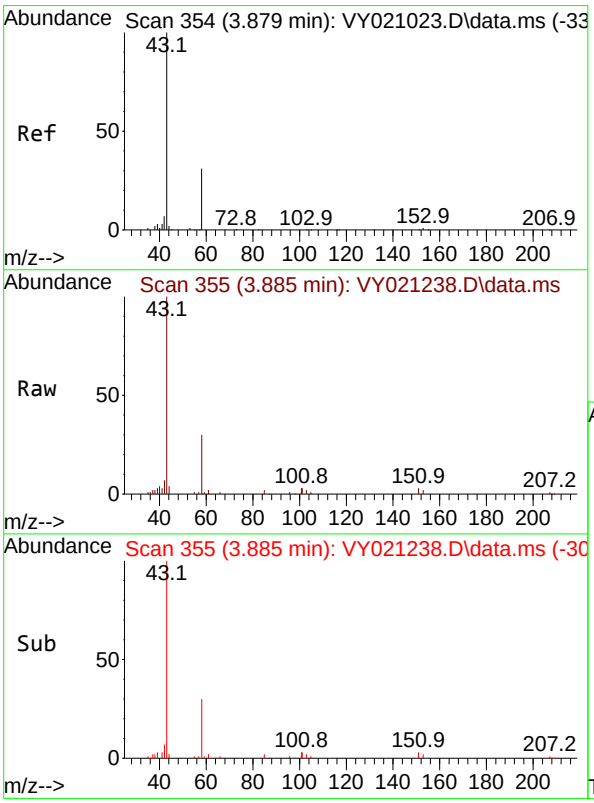
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.0 | 65.1 | 97.7 |
| 51 | 37.4 | 29.0 | 43.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

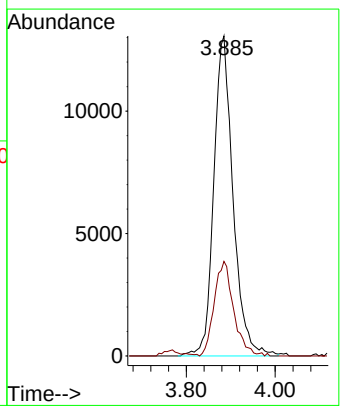
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

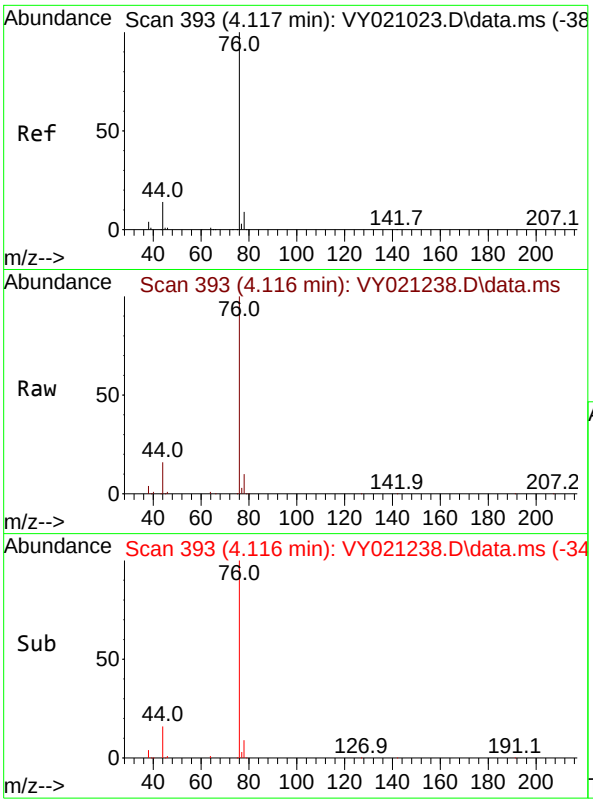



#16
Acetone
Concen: 131.268 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 39310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.6 | 26.6 | 39.8 |






#17
Carbon Disulfide
Concen: 24.590 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 76 Resp: 13779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.6 | 7.4 | 11.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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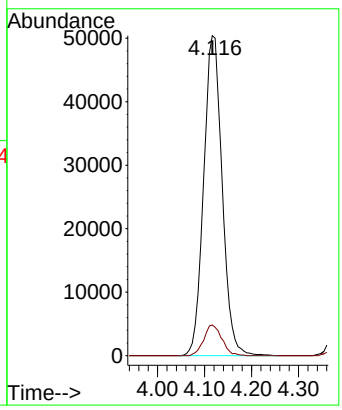
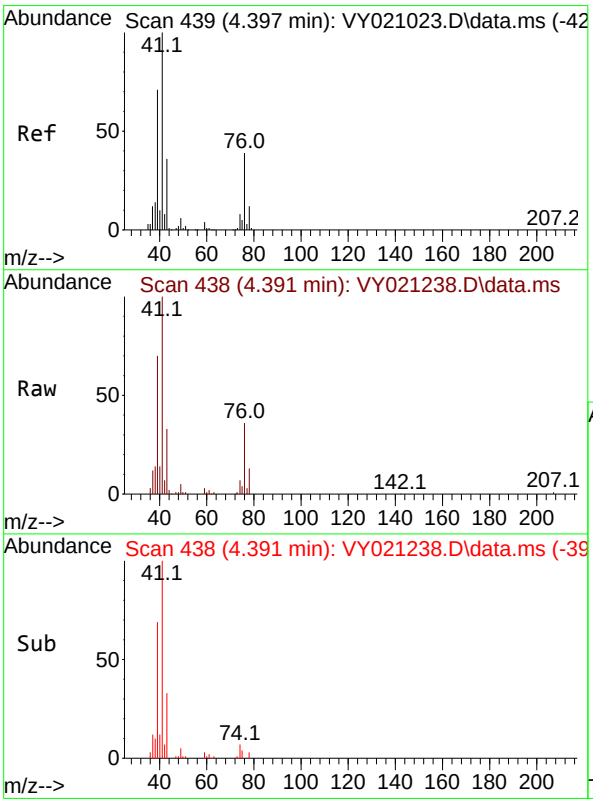
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

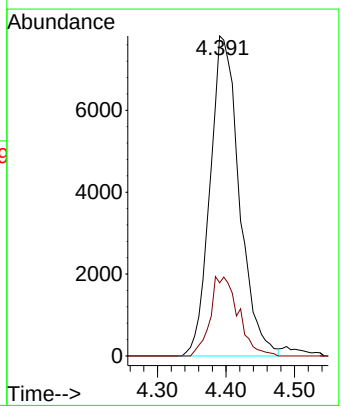


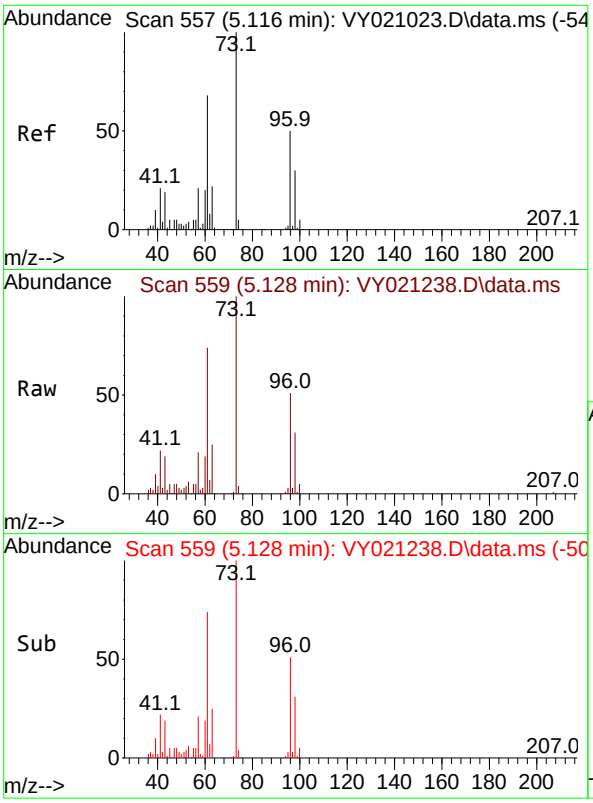




#18
Methyl Acetate
Concen: 22.048 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 23178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.9 | 19.8 | 29.6 |

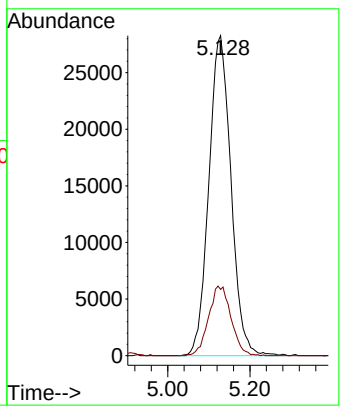





#19
Methyl tert-butyl Ether
Concen: 23.389 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 73 Resp: 10564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.7 | 17.7 | 26.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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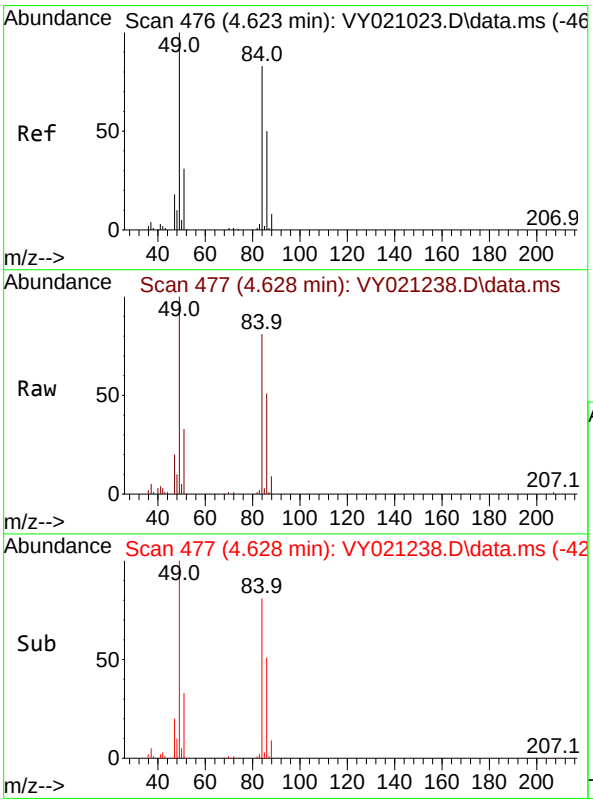
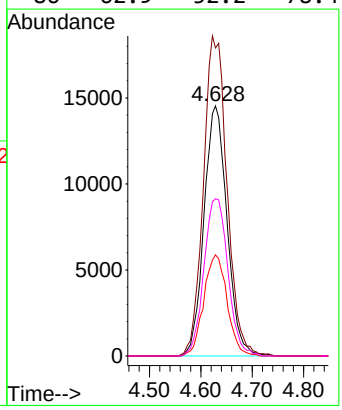
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

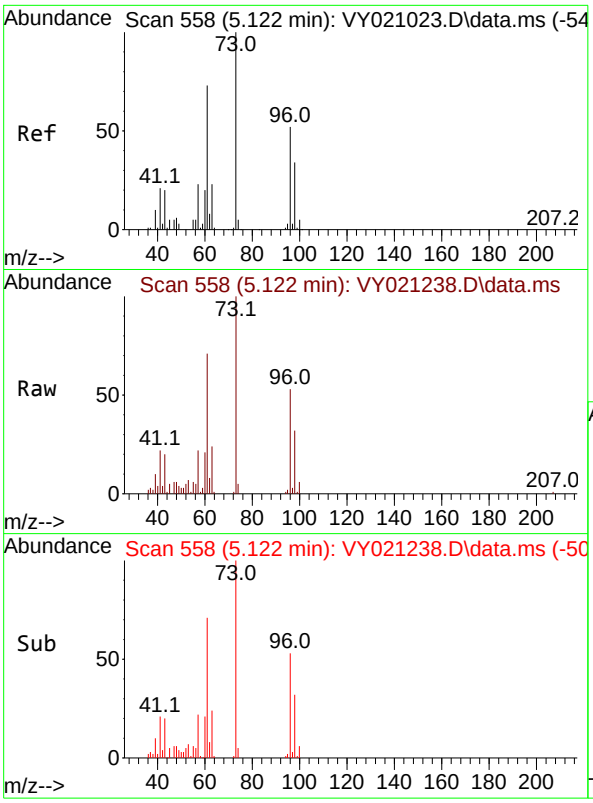



#20
Methylene Chloride
Concen: 24.293 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 84 Resp: 45224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.1 | 95.2 | 142.8 |
| 51 | 40.4 | 29.9 | 44.9 |
| 86 | 62.9 | 52.2 | 78.4 |

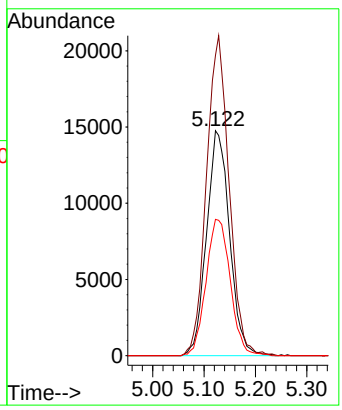





#21
trans-1,2-Dichloroethene
Concen: 23.369 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 96 Resp: 4596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.5 | 104.6 | 156.8 |
| 98 | 60.6 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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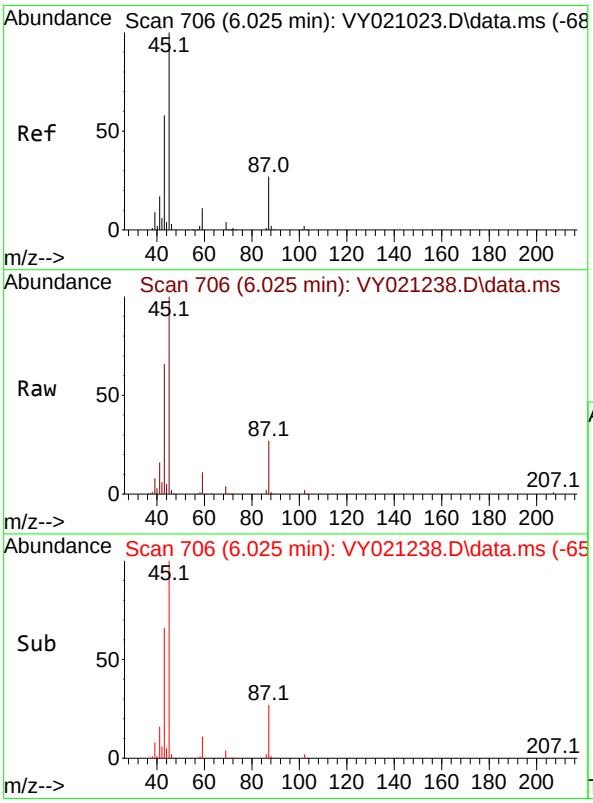
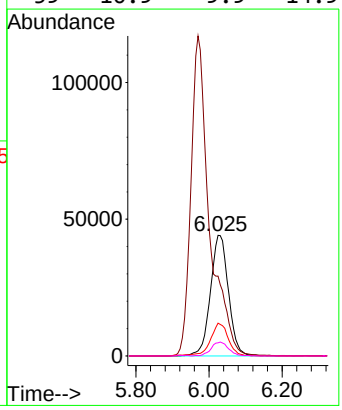
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

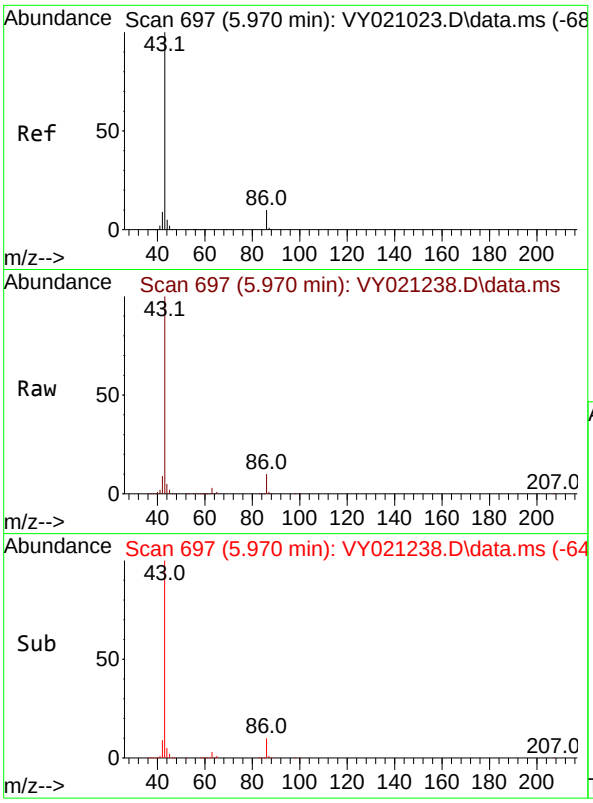



#22
Diisopropyl ether
Concen: 24.305 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 45 Resp: 150882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 65.9 | 46.8 | 70.2 |
| 87 | 27.2 | 22.2 | 33.2 |
| 59 | 10.9 | 9.9 | 14.9 |






#23
Vinyl Acetate
Concen: 119.267 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 41274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.6 | 13.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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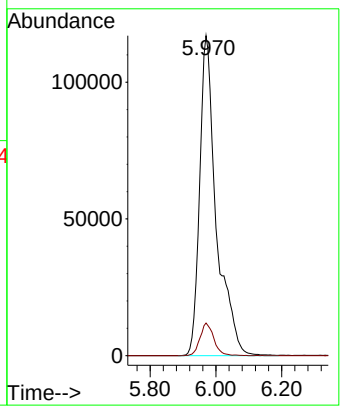
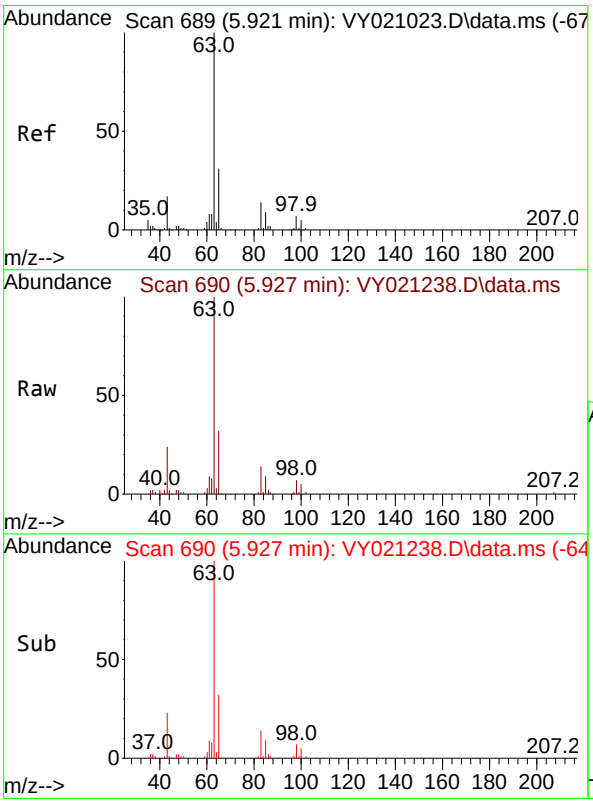
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

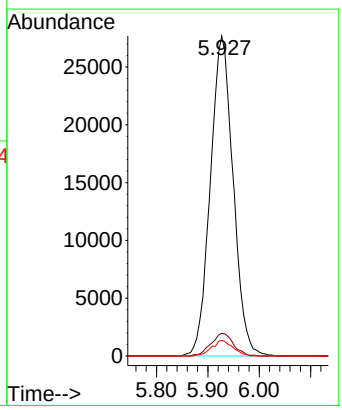


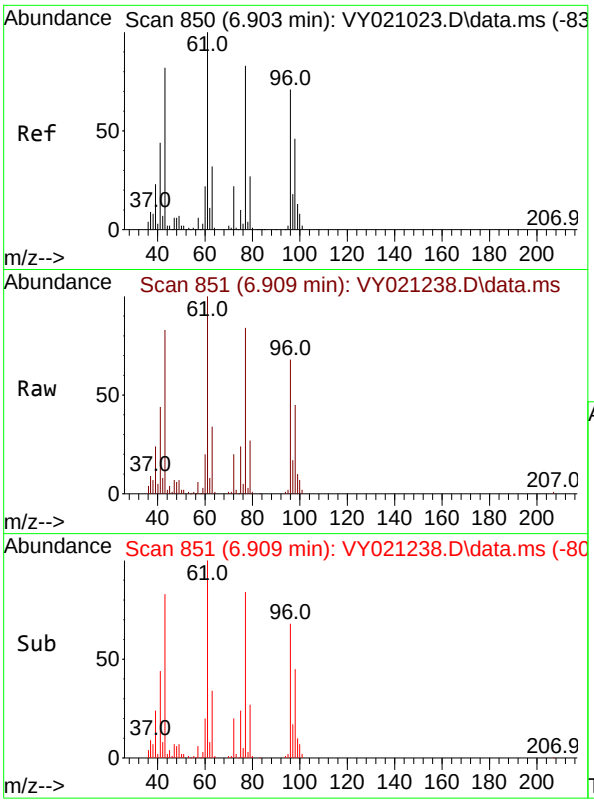




#24
1,1-Dichloroethane
Concen: 23.444 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 63 Resp: 85267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.8 | 11.4 |
| 100 | 4.8 | 2.1 | 6.2 |






#25
2-Butanone
Concen: 118.240 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 5818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 21.4 | 32.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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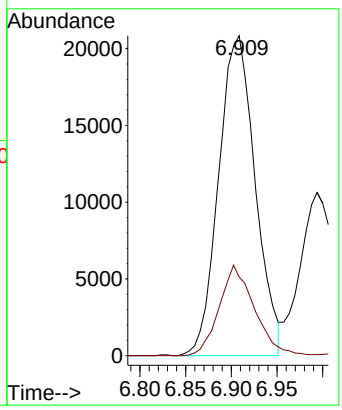
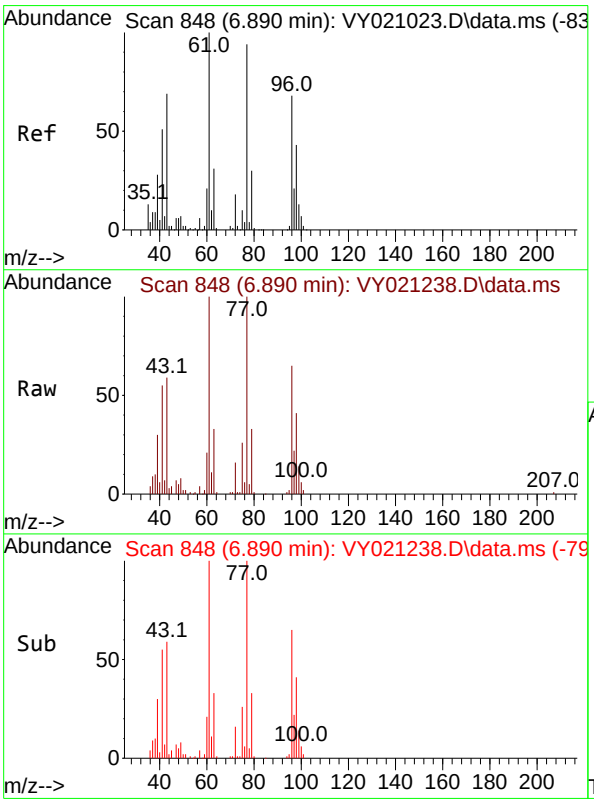
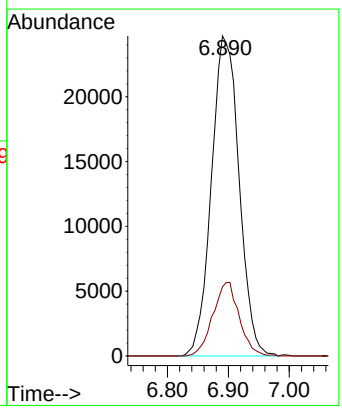


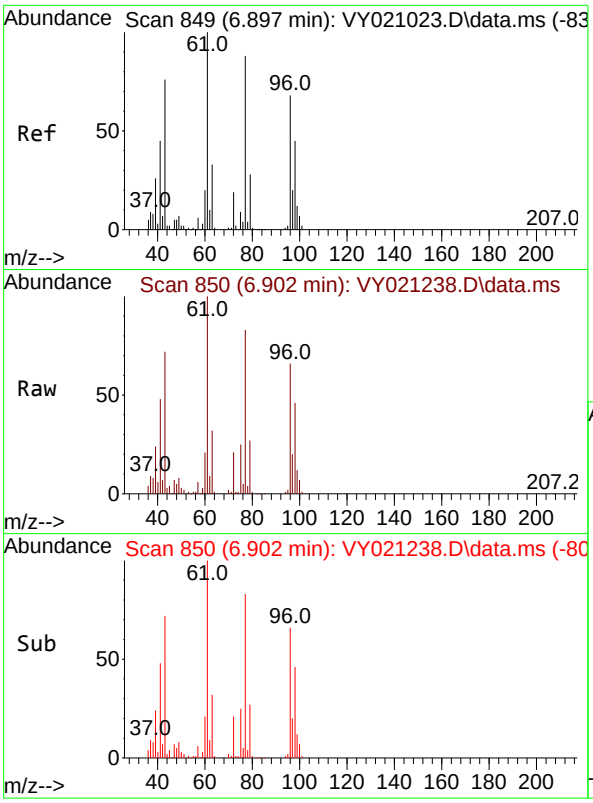




#26
2,2-Dichloropropane
Concen: 23.138 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 77 Resp: 77868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.9 | 11.7 | 35.0 |

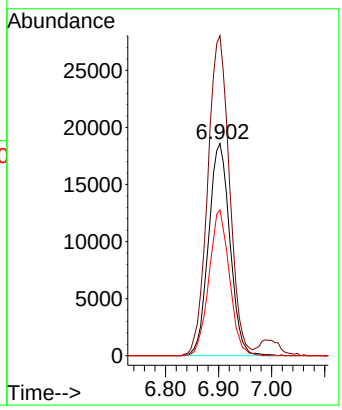





#27
cis-1,2-Dichloroethene
Concen: 22.958 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 96 Resp: 5198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 153.6 | 0.0 | 278.8 |
| 98 | 65.8 | 0.0 | 127.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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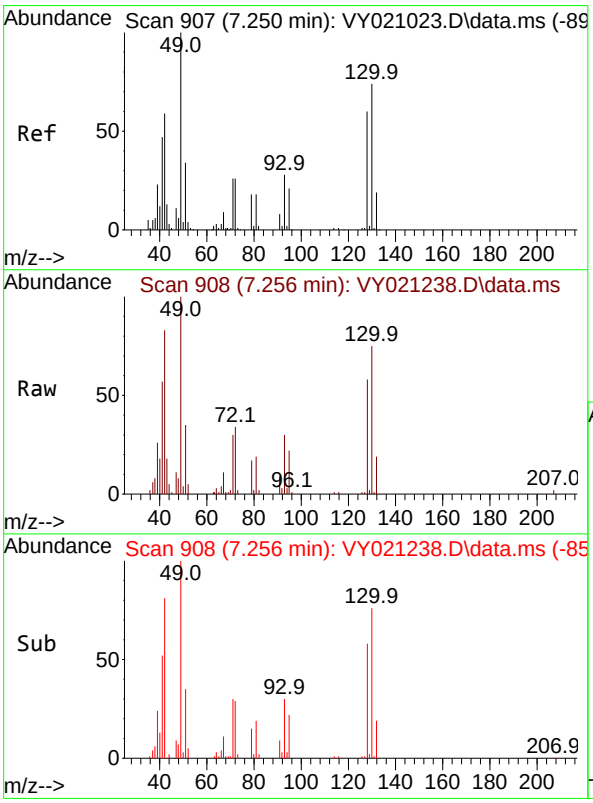
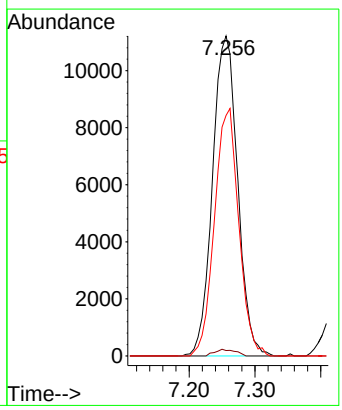
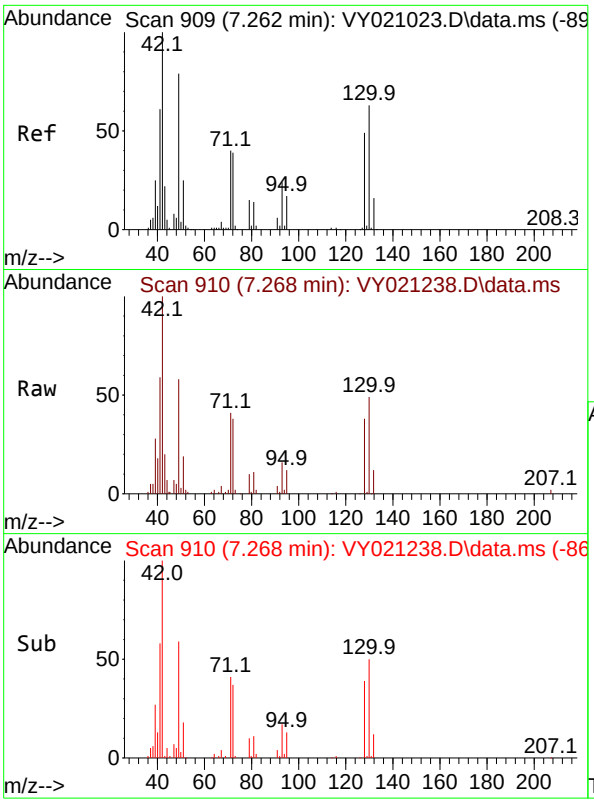



#28
Bromochloromethane
Concen: 20.715 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 49 Resp: 29792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.7 | 0.0 | 3.8 |
| 130 | 74.9 | 59.8 | 89.8 |

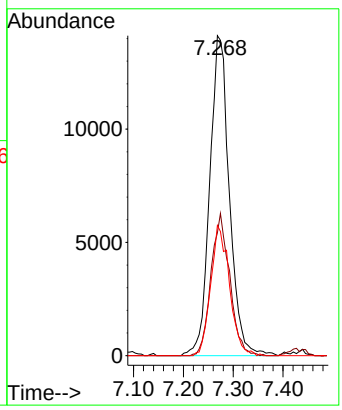





#29
Tetrahydrofuran
Concen: 116.263 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 42 Resp: 3871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.3 | 36.6 | 54.8 |
| 71 | 39.1 | 33.8 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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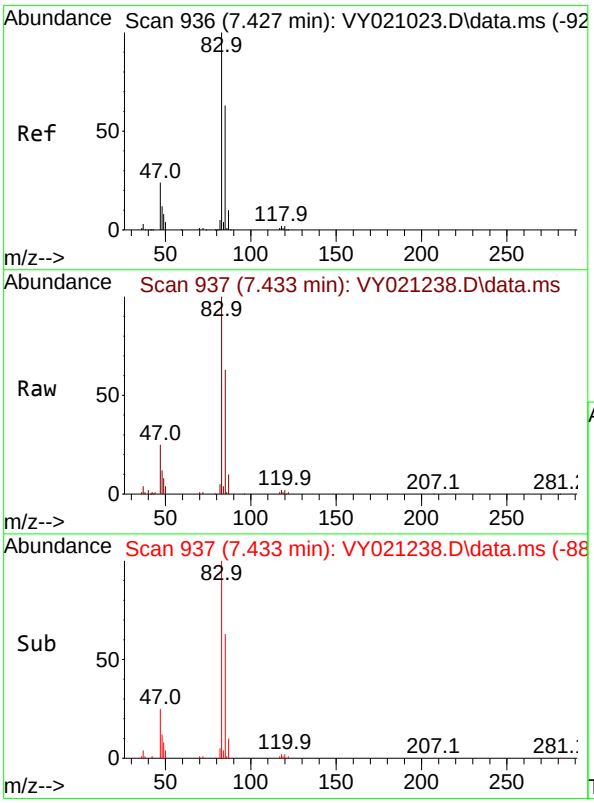
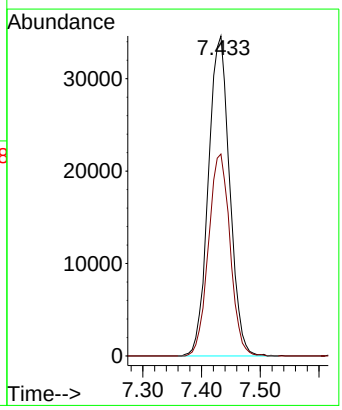
Supervised By :Mahesh Dadoda 02/20/2025

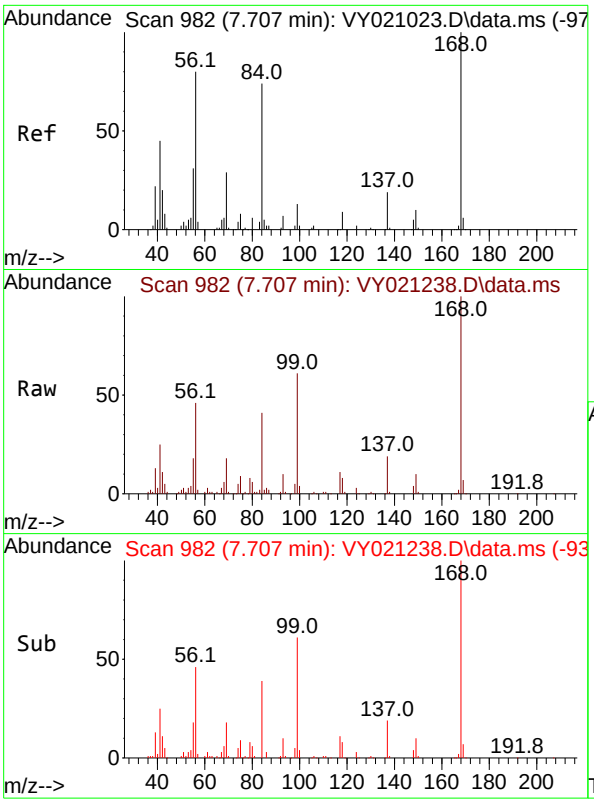



#30
Chloroform
Concen: 23.276 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 83 Resp: 86955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 51.2 | 76.8 |

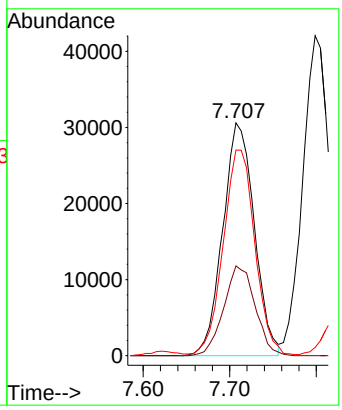





#31
Cyclohexane
Concen: 23.674 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 56 Resp: 7754

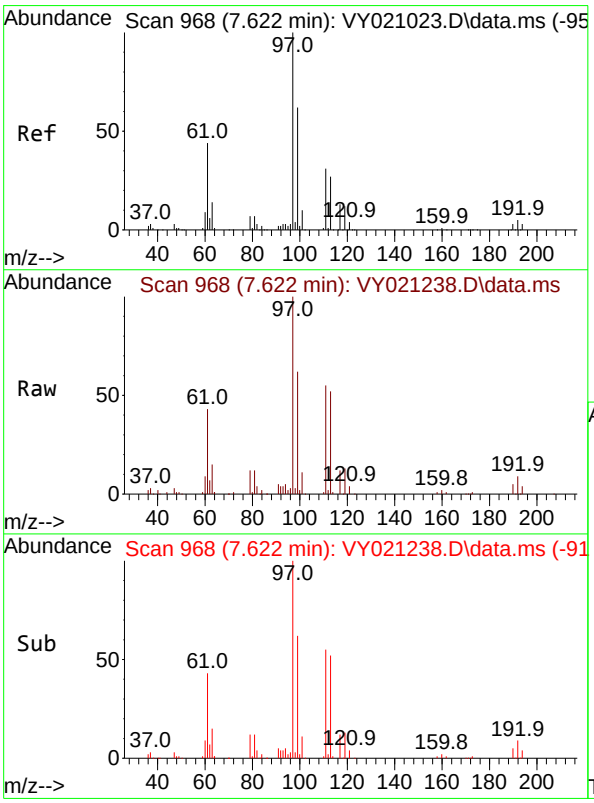
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 38.5 | 27.0 | 40.6 |
| 84 | 87.2 | 71.8 | 107.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

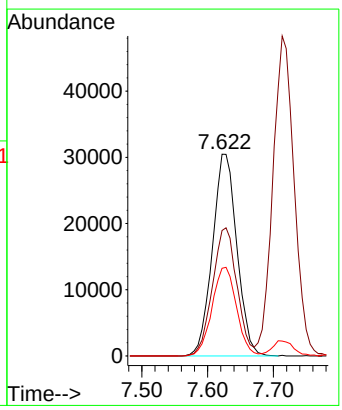
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

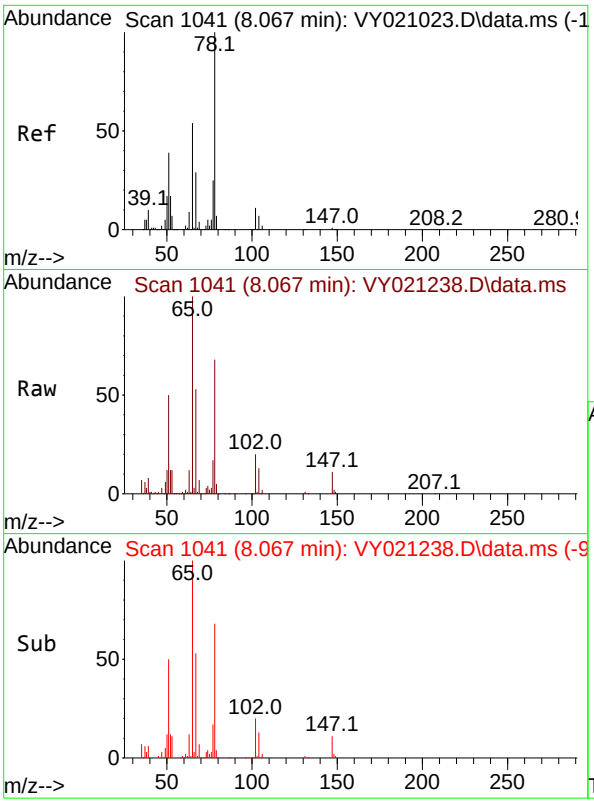



#32
1,1,1-Trichloroethane
Concen: 22.692 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 97 Resp: 78817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 51.2 | 76.8 |
| 61 | 43.9 | 35.0 | 52.6 |

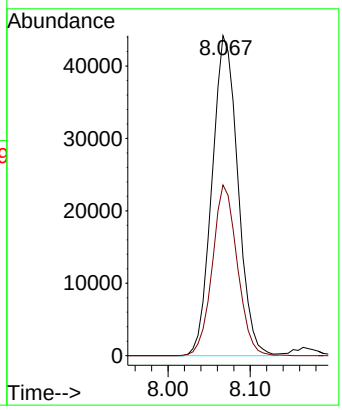





#33
1,2-Dichloroethane-d4
Concen: 50.317 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 65 Resp: 9662

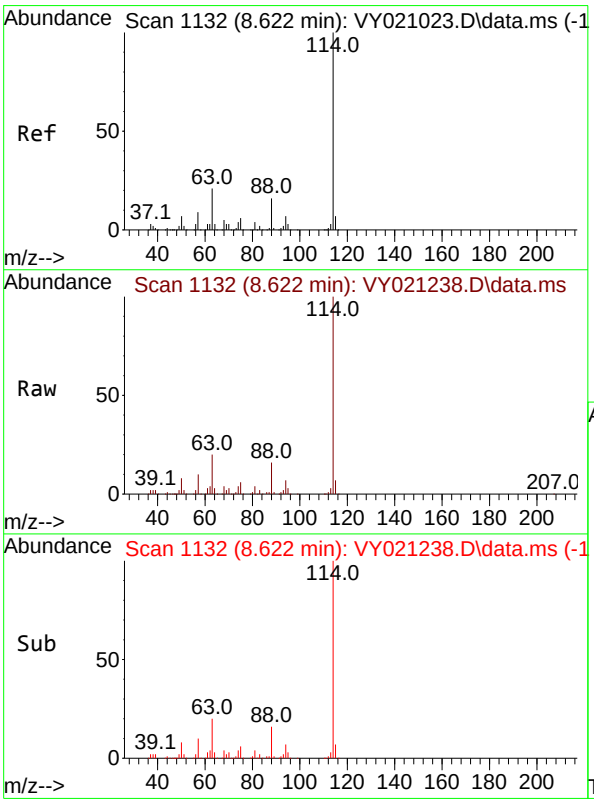
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 109.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

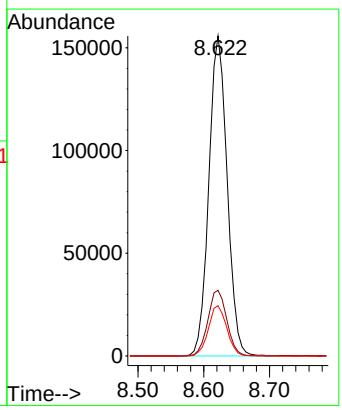
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

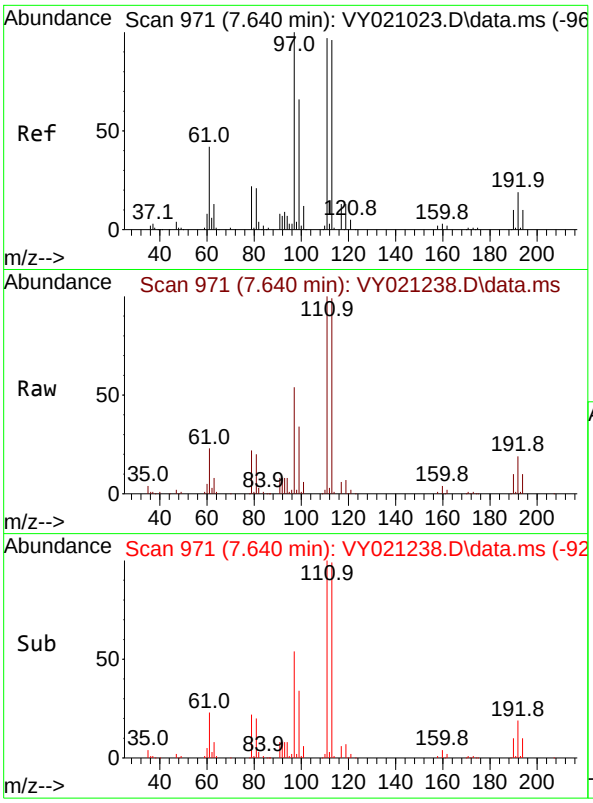



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:114 Resp: 302089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 37.4 |
| 88 | 15.7 | 0.0 | 29.0 |

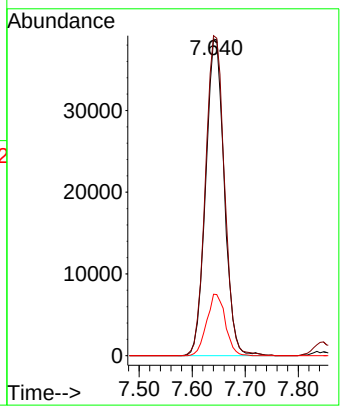





#35
Dibromofluoromethane
Concen: 48.581 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:113 Resp: 9405

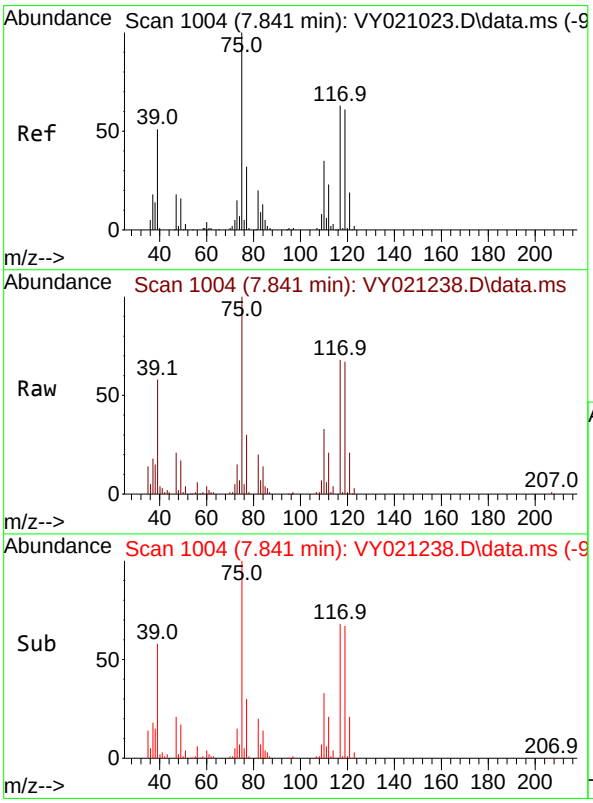
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 83.8 | 125.6 |
| 192 | 19.5 | 14.5 | 21.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

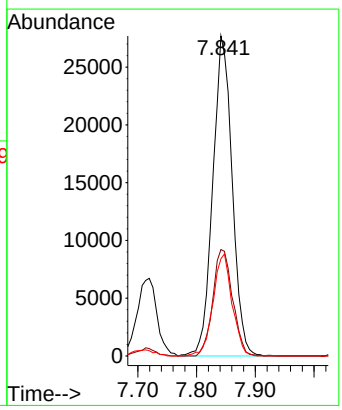
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

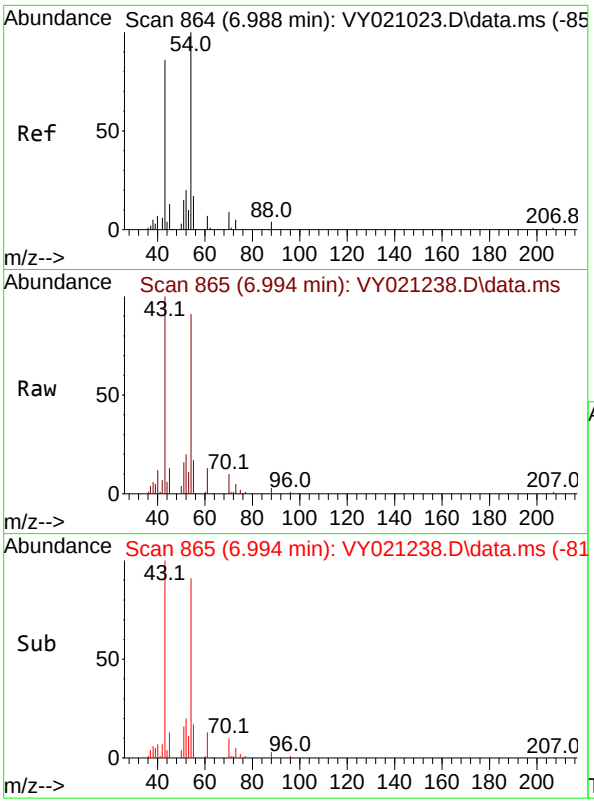



#36
1,1-Dichloropropene
Concen: 22.134 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 63470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 17.4 | 52.3 |
| 77 | 31.4 | 24.7 | 37.1 |






#37
Ethyl Acetate
Concen: 22.858 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 2875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 11.0 | 16.6 |
| 70 | 10.1 | 8.1 | 12.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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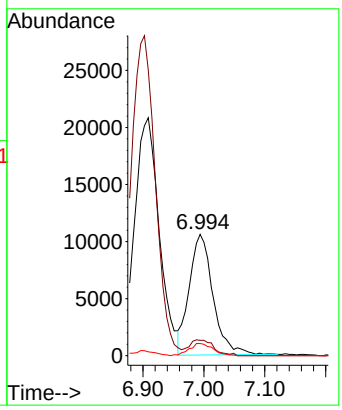
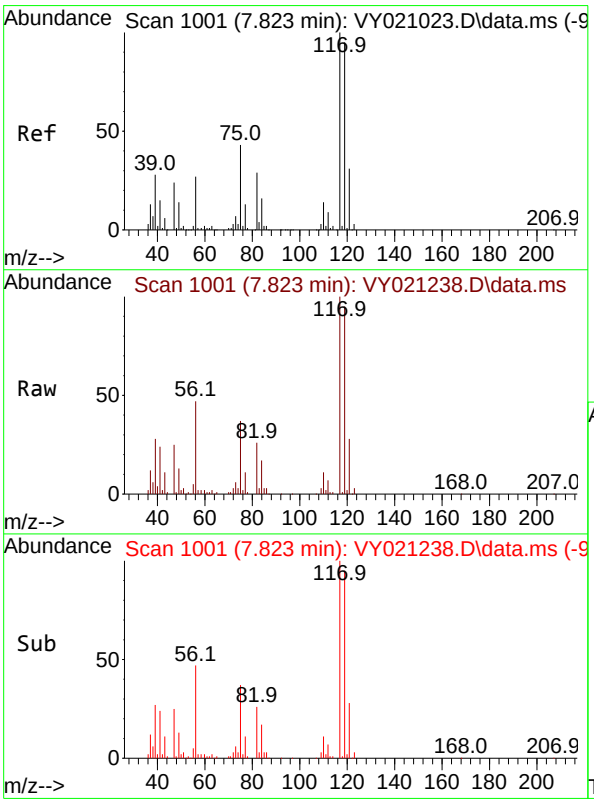
Supervised By :Mahesh Dadoda 02/20/2025

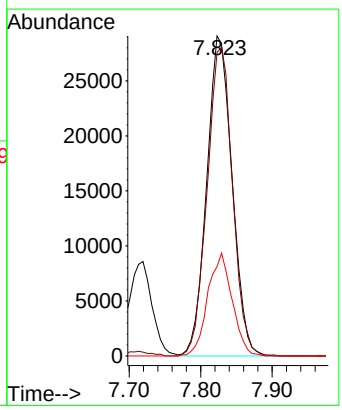


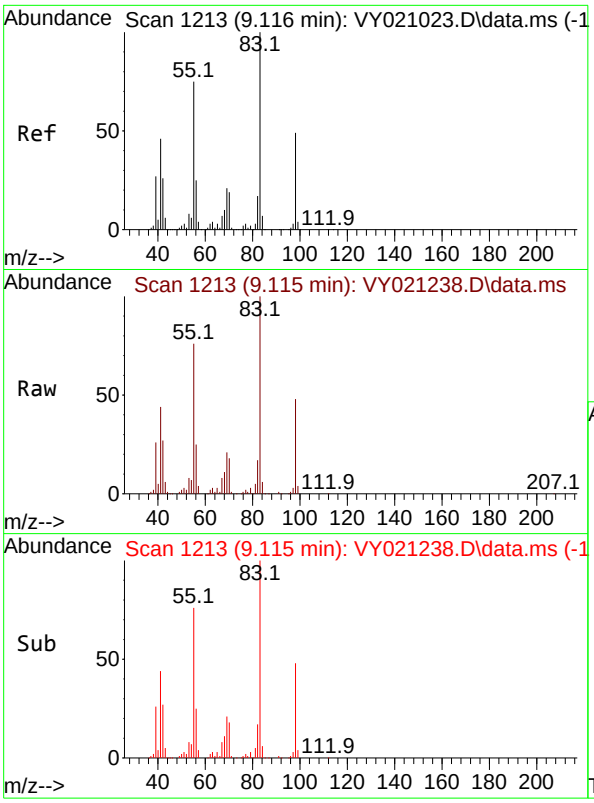




#38
Carbon Tetrachloride
Concen: 21.393 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:117 Resp: 71680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.9 | 76.0 | 114.0 |
| 121 | 27.9 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 22.720 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 83 Resp: 7969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.4 | 59.7 | 89.5 |
| 98 | 48.2 | 38.0 | 57.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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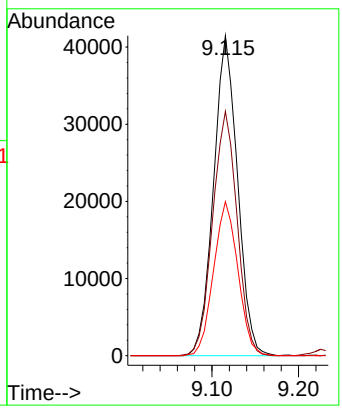
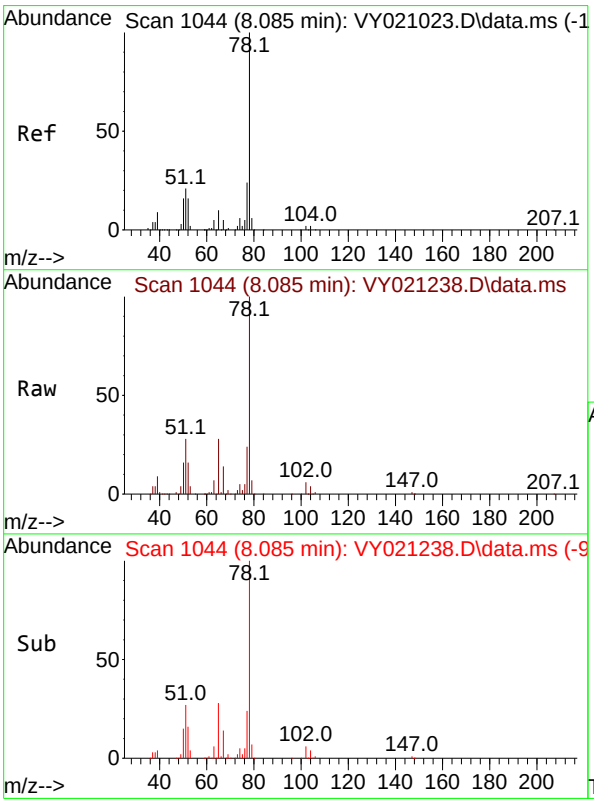
Supervised By :Mahesh Dadoda 02/20/2025

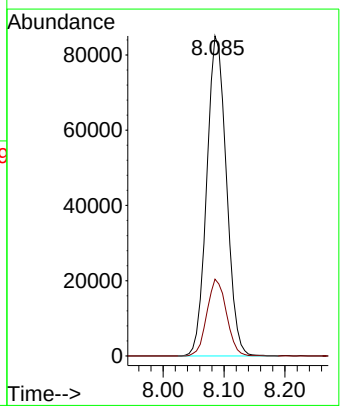


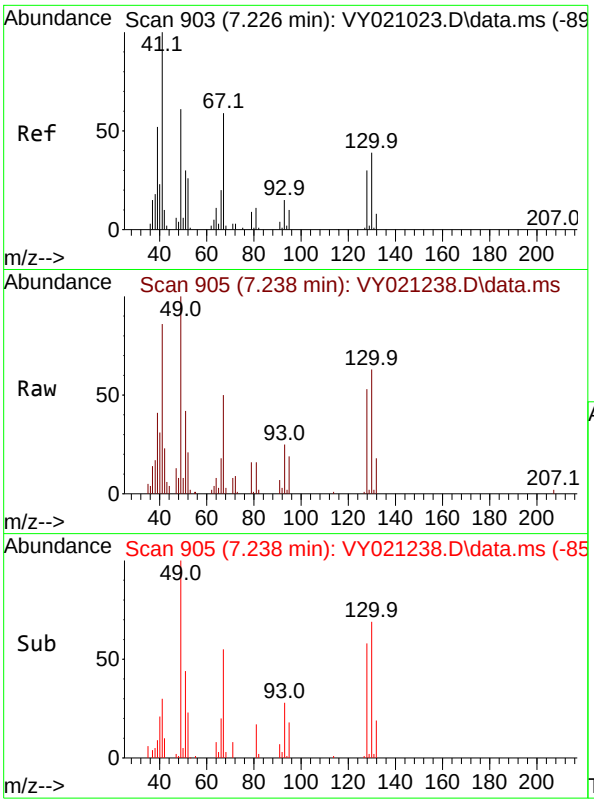




#40
Benzene
Concen: 22.643 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 78 Resp: 190547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 18.8 | 28.2 |

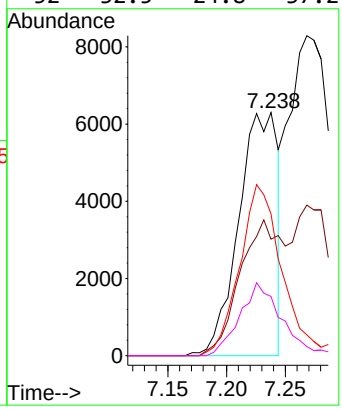





#41
Methacrylonitrile
Concen: 20.111 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 41 Resp: 1463

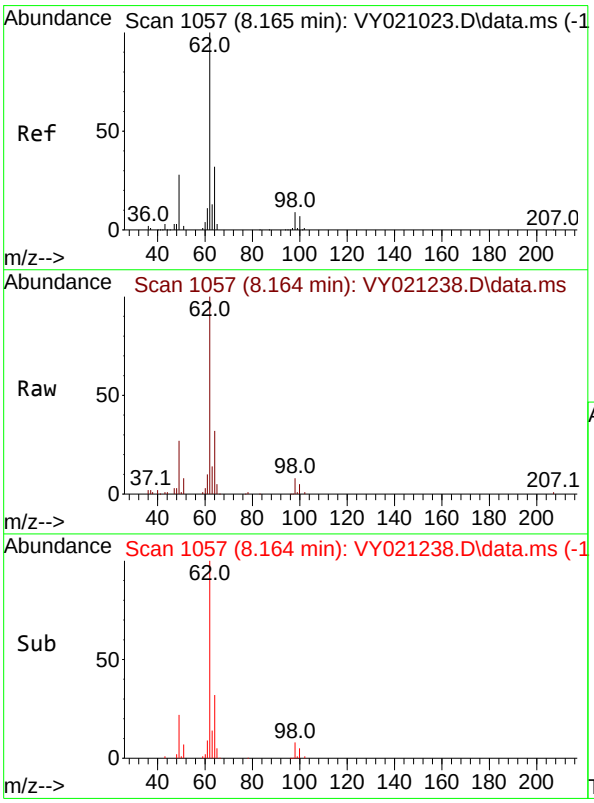
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.7 | 41.9 | 62.9 |
| 67 | 76.1 | 59.8 | 89.6 |
| 52 | 32.5 | 24.8 | 37.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

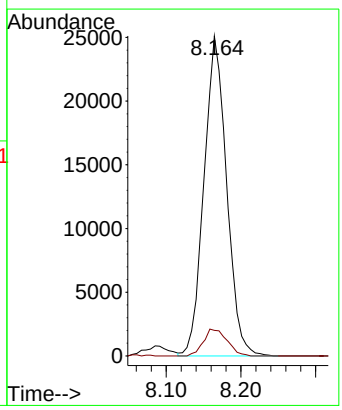
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

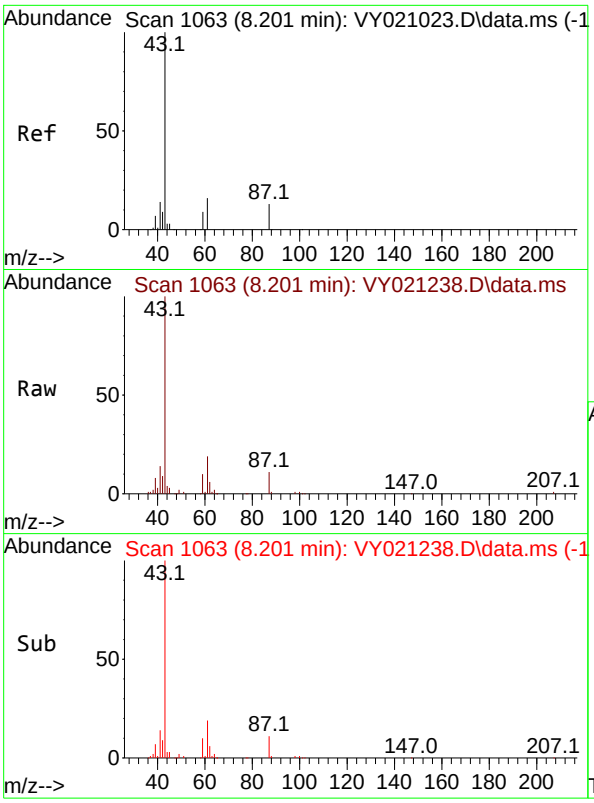



#42
1,2-Dichloroethane
Concen: 22.655 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 62 Resp: 52885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 20.2 |

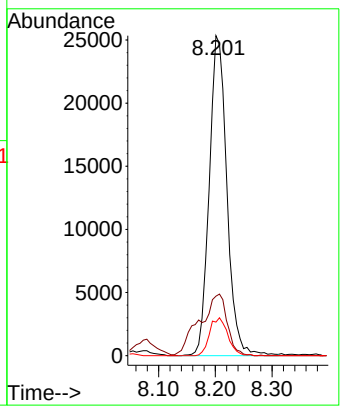





#43
Isopropyl Acetate
Concen: 21.942 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 5484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 30.0 | 24.8 | 37.2 |
| 87 | 12.3 | 10.7 | 16.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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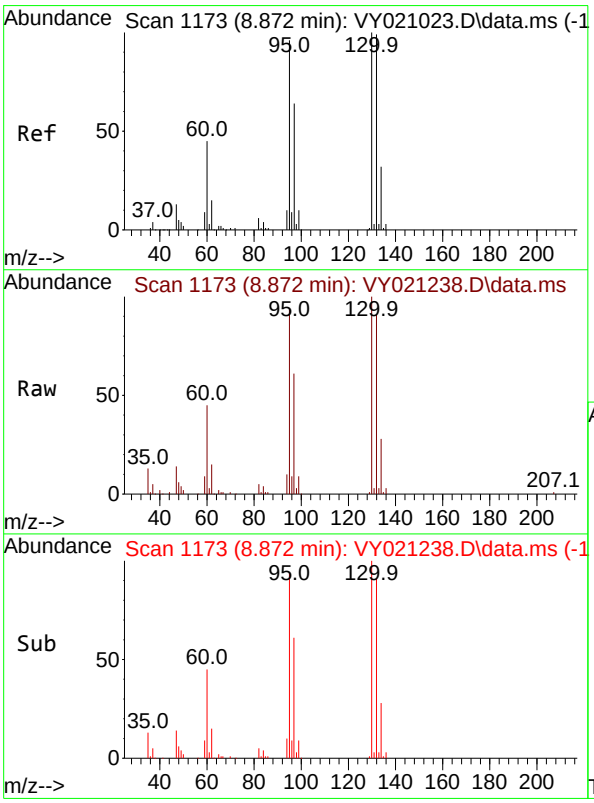
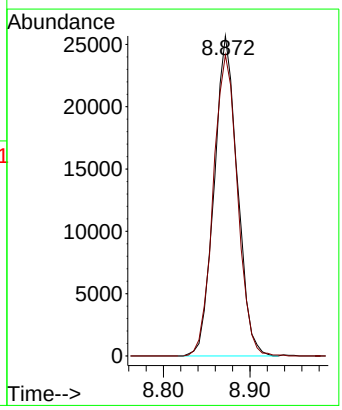
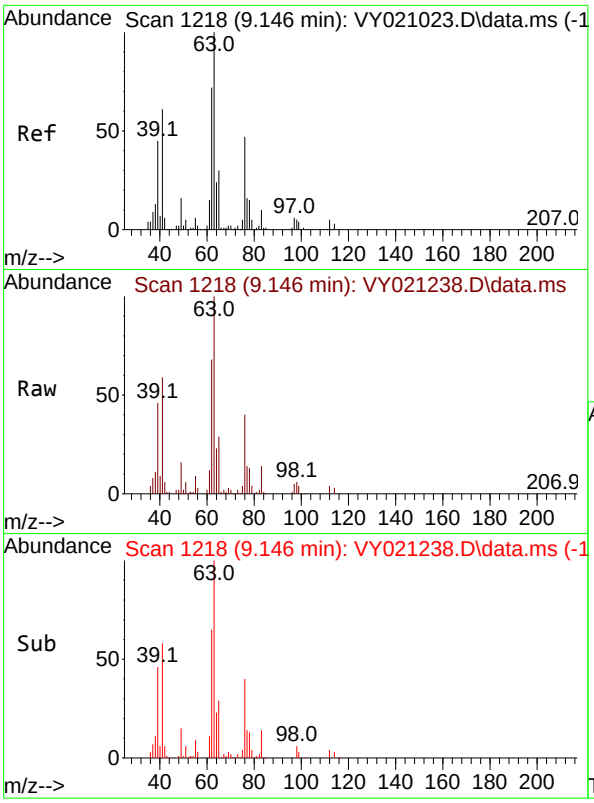



#44
Trichloroethene
Concen: 22.024 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:130 Resp: 47883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.0 | 0.0 | 203.8 |

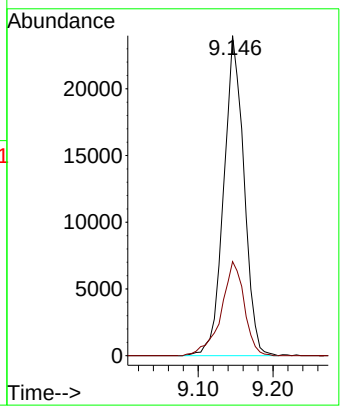





#45
1,2-Dichloropropane
Concen: 22.642 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 63 Resp: 4522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.4 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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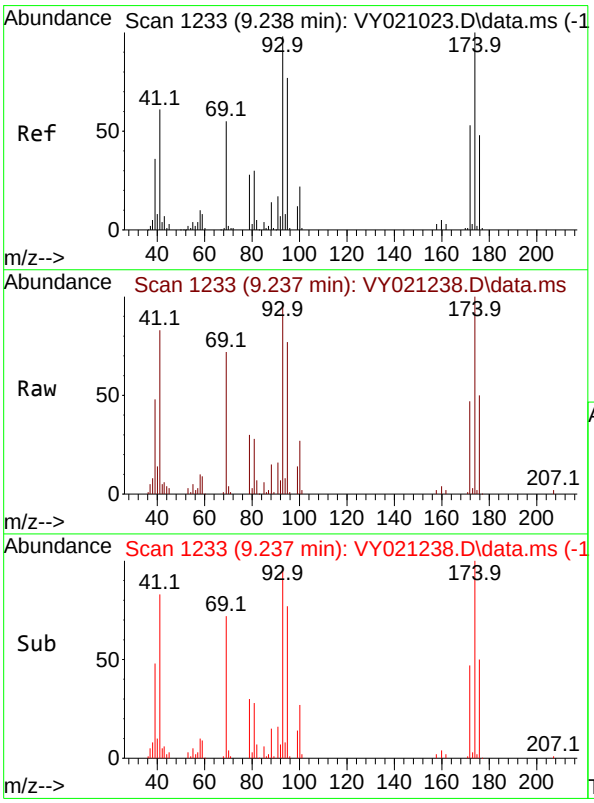
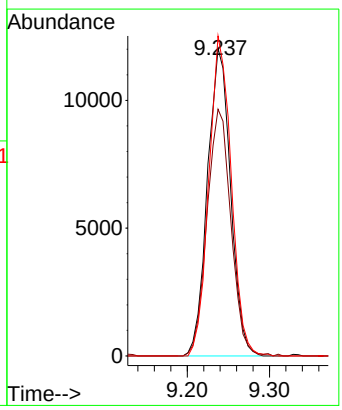
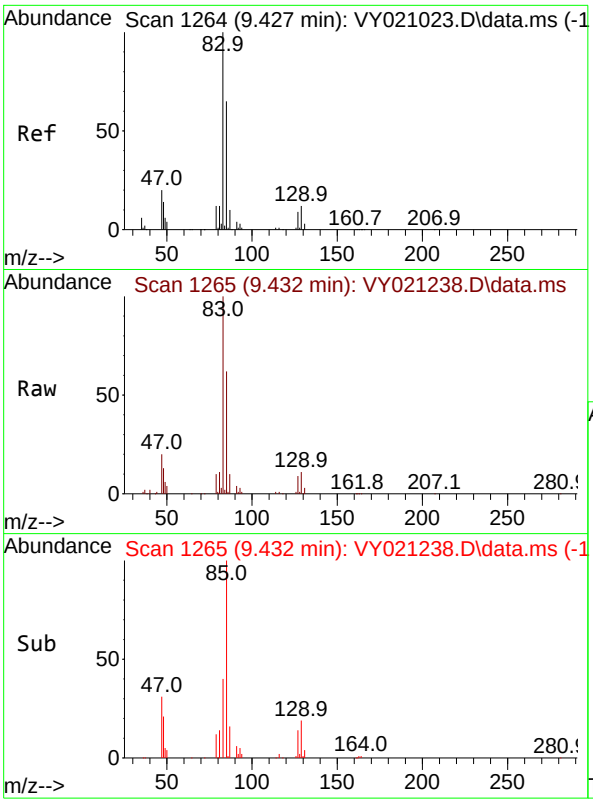



#46
Dibromomethane
Concen: 21.227 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 93 Resp: 23475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.6 | 66.6 | 99.8 |
| 174 | 100.8 | 73.8 | 110.6 |

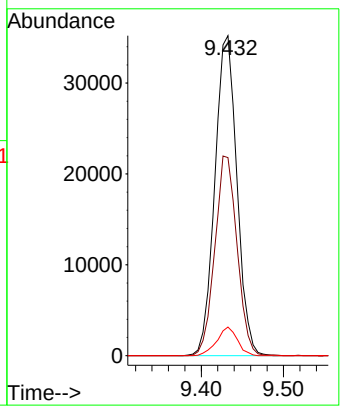





#47
Bromodichloromethane
Concen: 22.139 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 83 Resp: 6566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.9 | 53.2 | 79.8 |
| 127 | 9.0 | 6.4 | 9.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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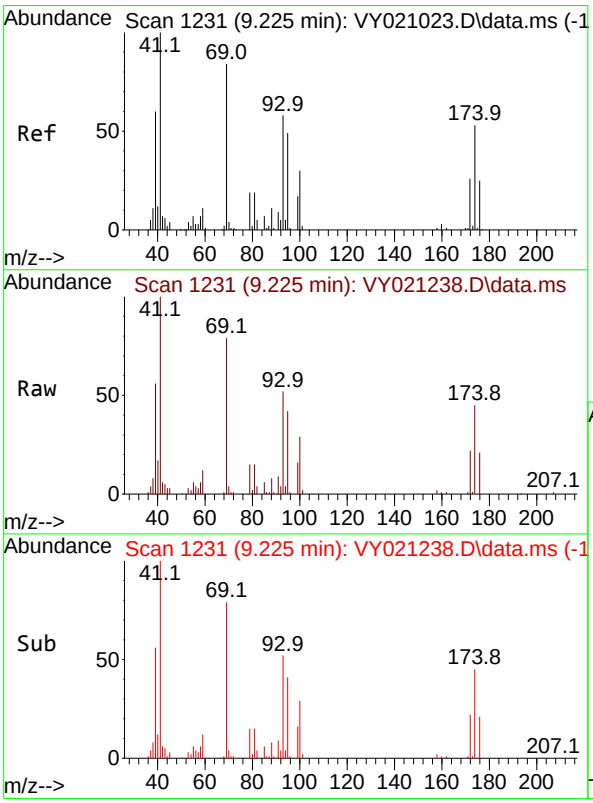
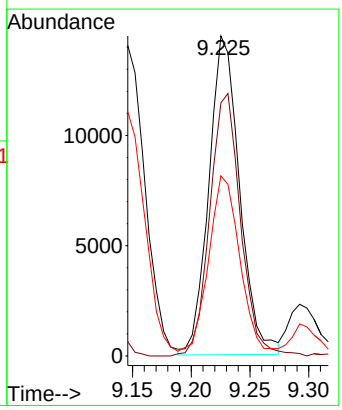
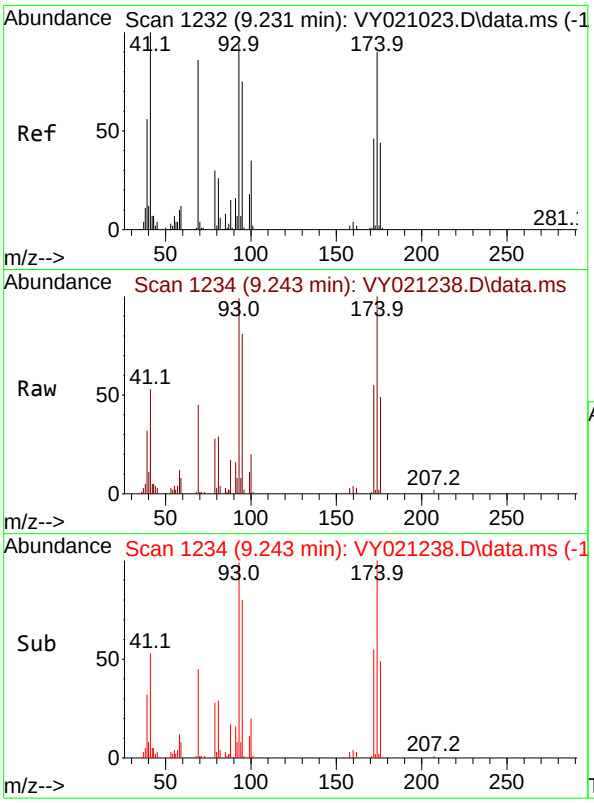



#48
Methyl methacrylate
Concen: 23.131 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 41 Resp: 26336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.3 | 72.1 | 108.1 |
| 39 | 55.1 | 42.8 | 64.2 |






#49
1,4-Dioxane
Concen: 448.469 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

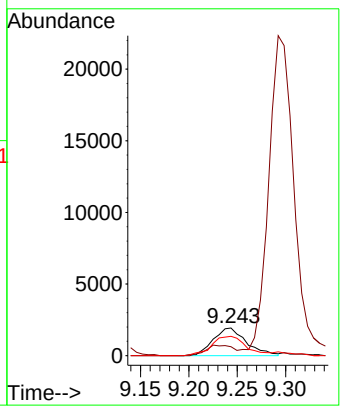
Tgt Ion: 88 Resp: 461

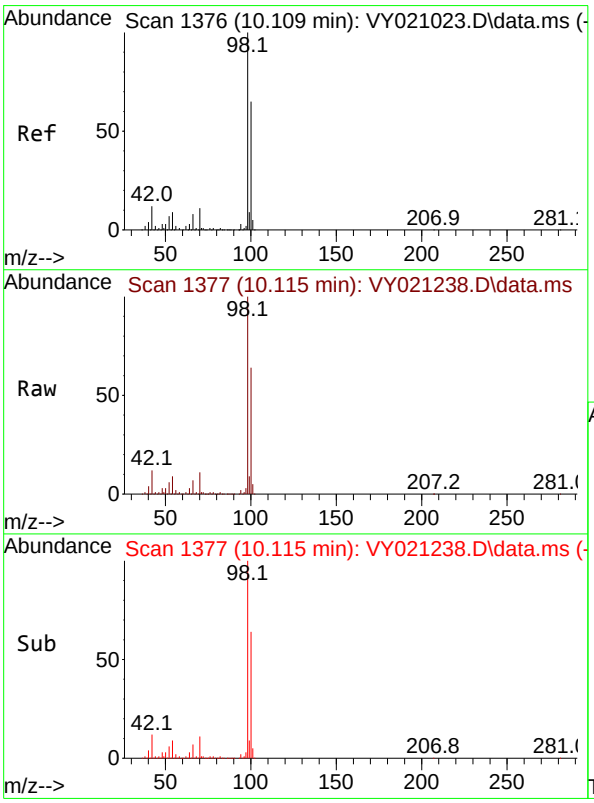
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.0 | 28.2 | 42.4 |
| 58 | 73.0 | 52.2 | 78.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

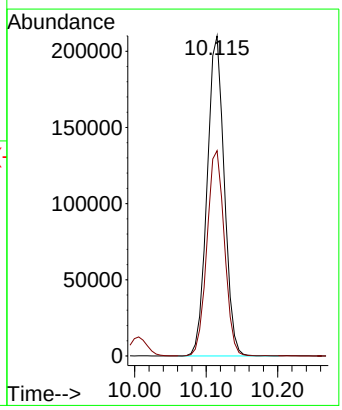


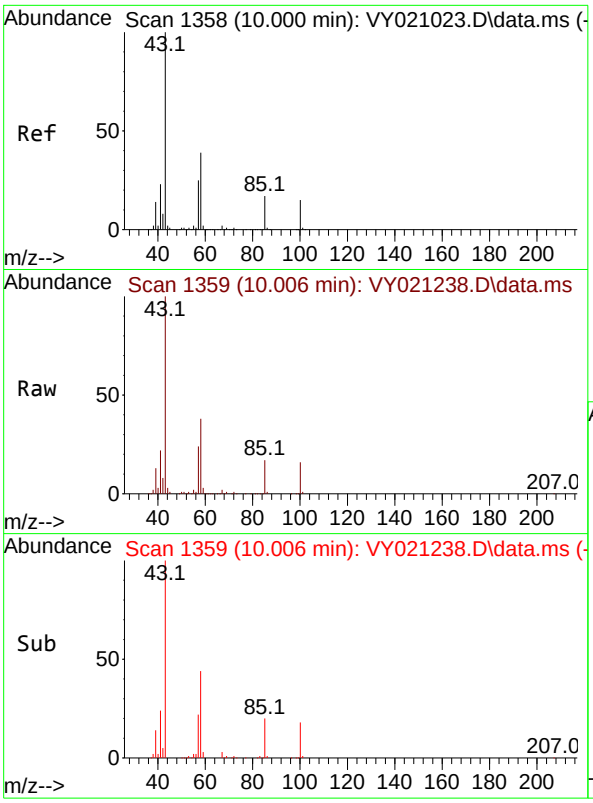




#50
Toluene-d8
Concen: 47.329 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 98 Resp: 348838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 52.3 | 78.5 |

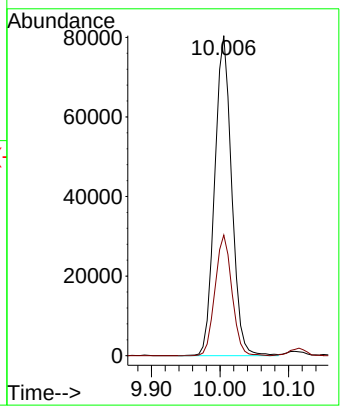





#51
4-Methyl-2-Pentanone
Concen: 110.039 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 13831

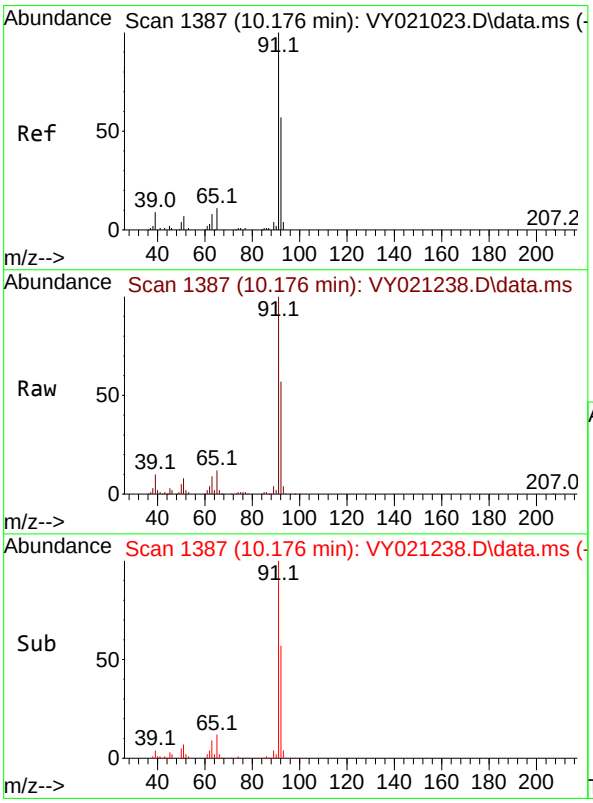
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 32.2 | 48.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

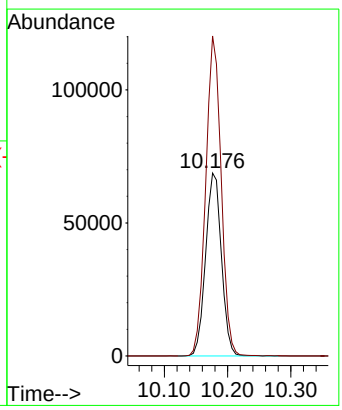
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

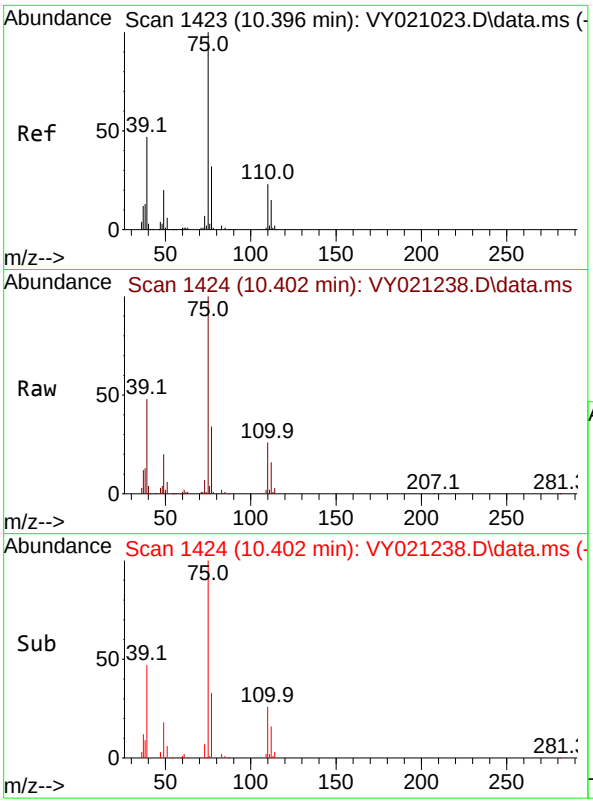



#52
Toluene
Concen: 22.606 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 92 Resp: 119448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.1 | 137.6 | 206.4 |

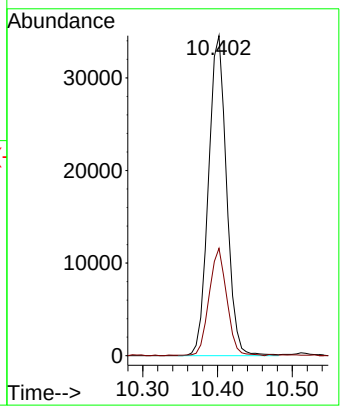





#53
t-1,3-Dichloropropene
Concen: 21.872 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 5825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.4 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/20/2025
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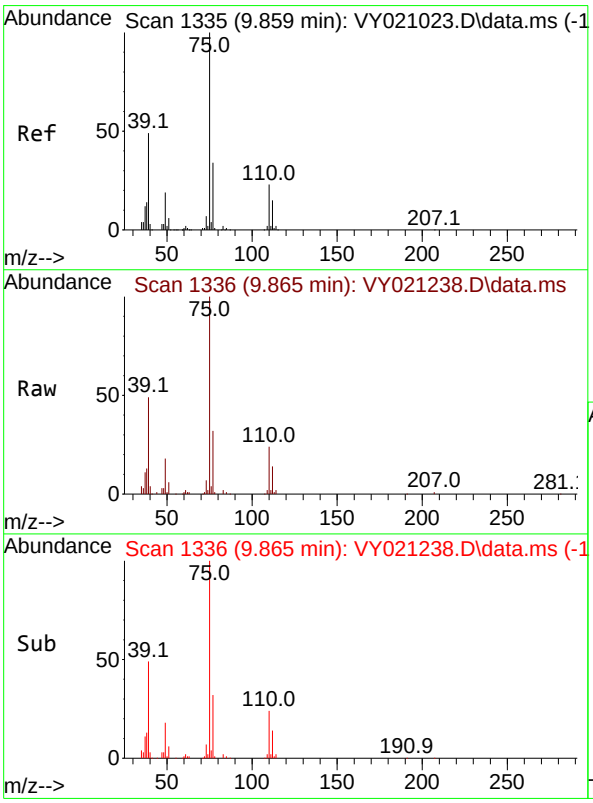
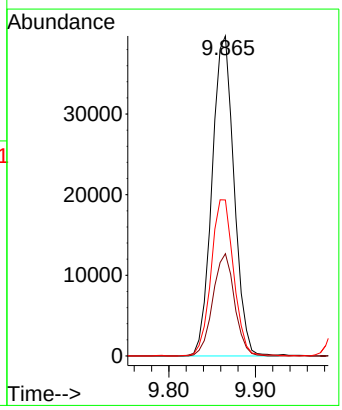
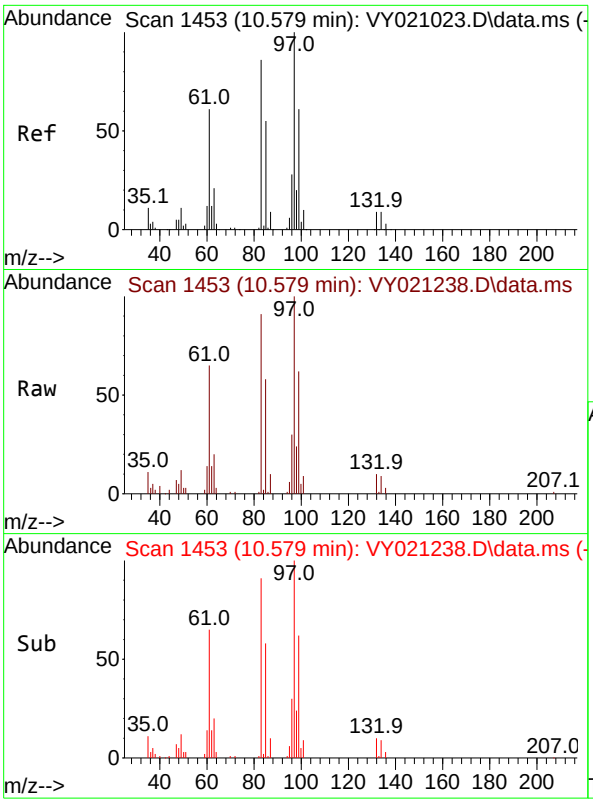



#54
cis-1,3-Dichloropropene
Concen: 22.186 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 69958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 24.6 | 36.8 |
| 39 | 48.8 | 33.6 | 50.4 |

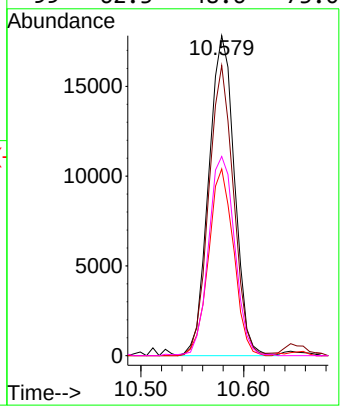





#55
1,1,2-Trichloroethane
Concen: 21.745 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 97 Resp: 3114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.7 | 69.4 | 104.2 |
| 85 | 58.4 | 43.9 | 65.9 |
| 99 | 62.3 | 48.6 | 73.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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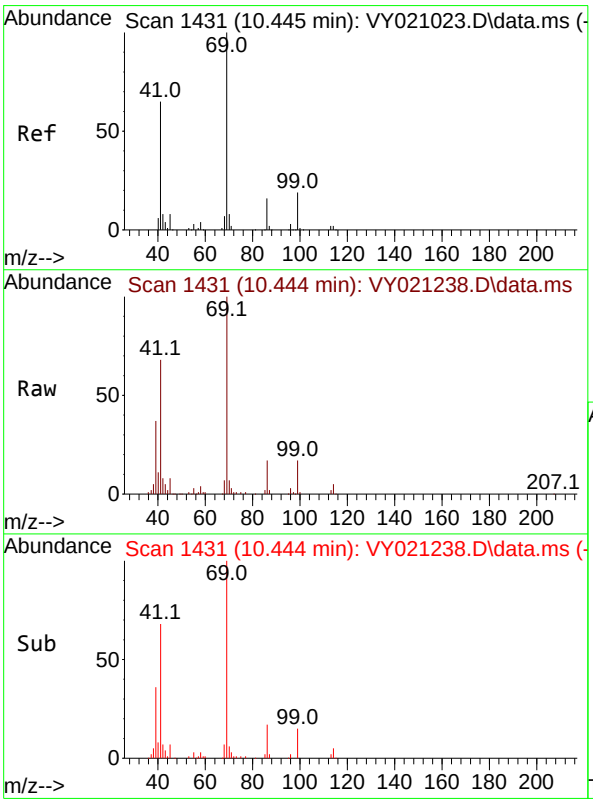
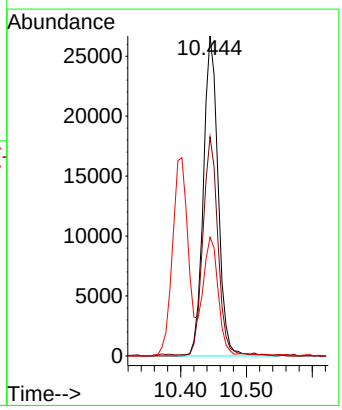
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

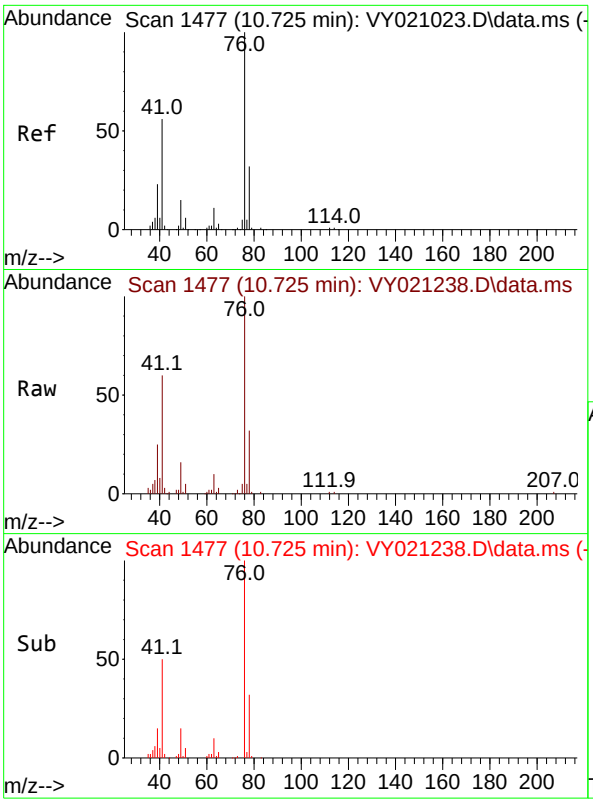



#56
Ethyl methacrylate
Concen: 21.735 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 69 Resp: 41640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.4 | 49.2 | 73.8 |
| 39 | 35.3 | 26.8 | 40.2 |






#57
1,3-Dichloropropane
Concen: 22.367 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 76 Resp: 5544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 26.1 | 39.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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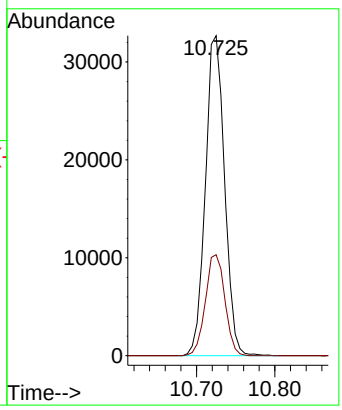
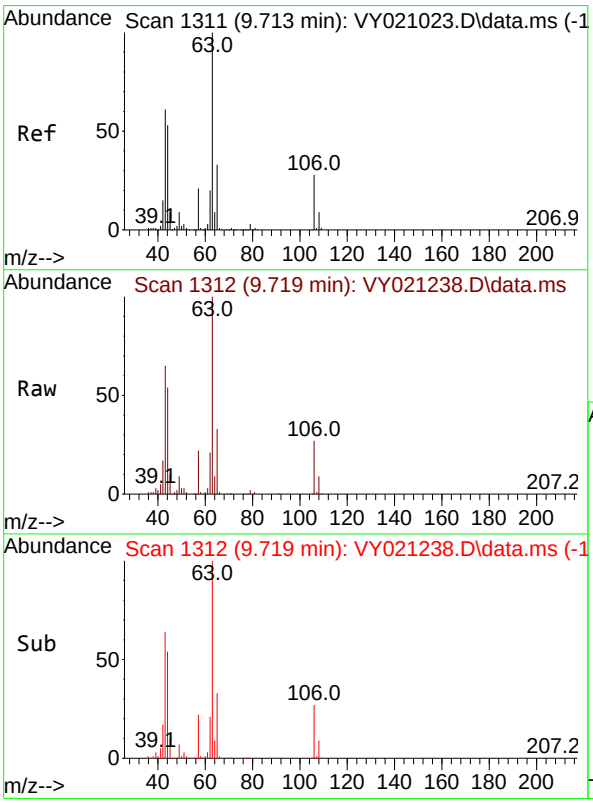
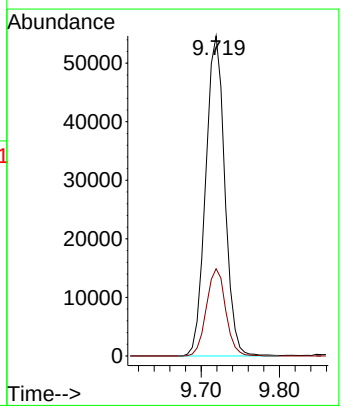


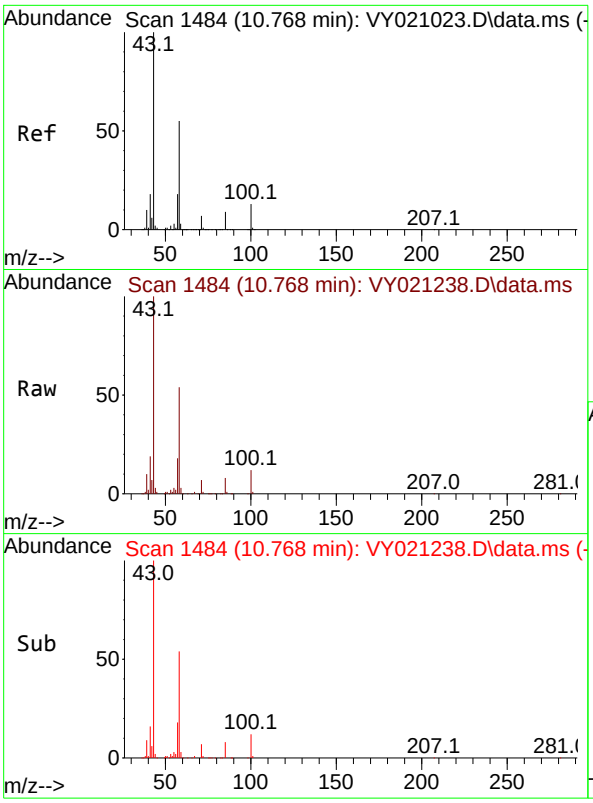




#58
2-Chloroethyl Vinyl ether
Concen: 101.594 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 63 Resp: 92595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.4 | 22.4 | 33.6 |

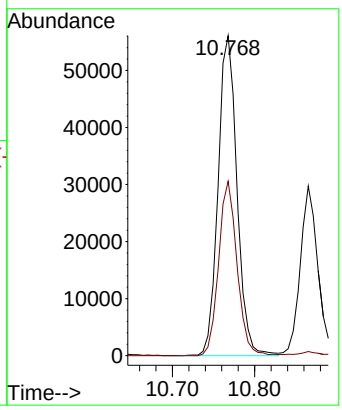





#59
2-Hexanone
Concen: 110.855 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 8971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.2 | 28.1 | 84.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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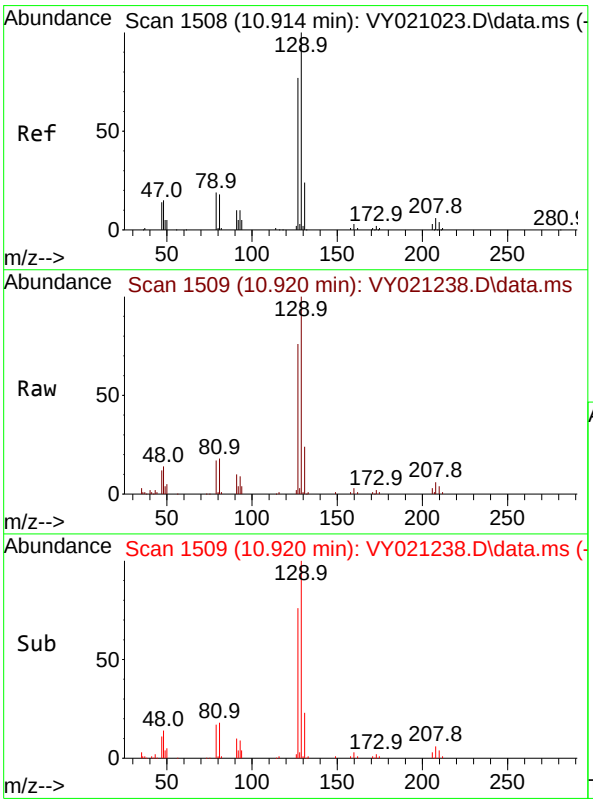
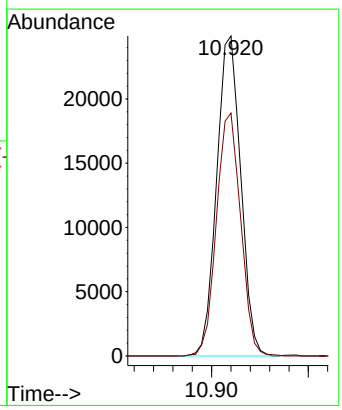
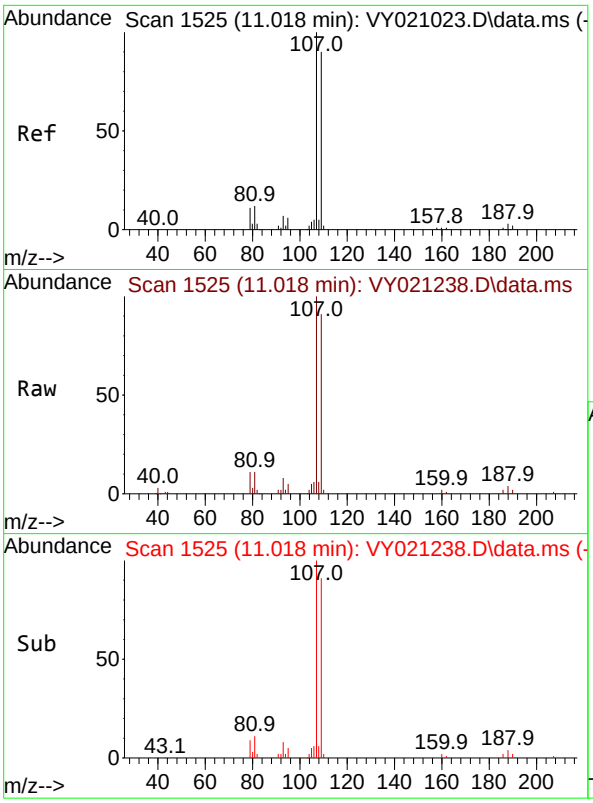



#60
Dibromochloromethane
Concen: 21.410 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:129 Resp: 43058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.2 | 39.2 | 117.6 |

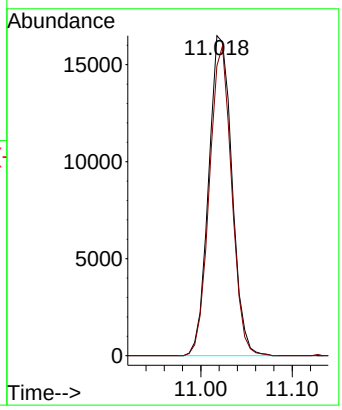





#61
1,2-Dibromoethane
Concen: 21.771 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:107 Resp: 2920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.3 | 75.4 | 113.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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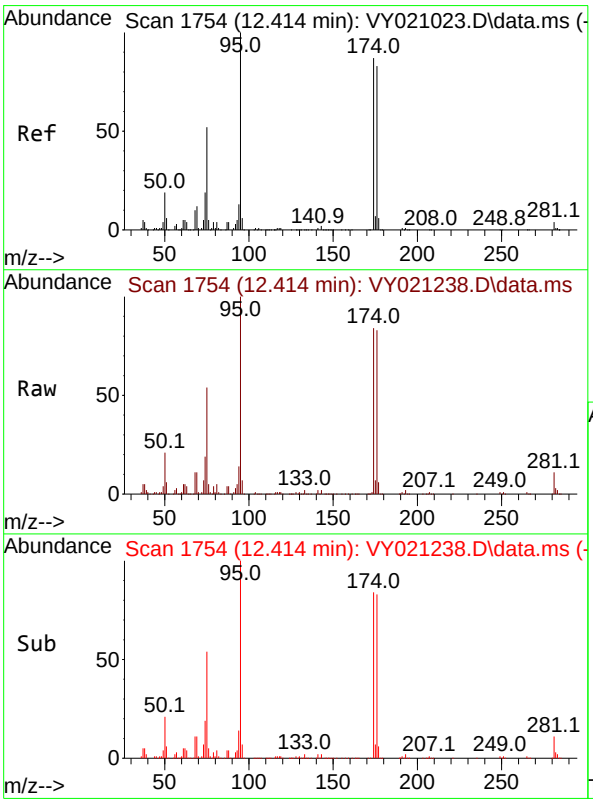
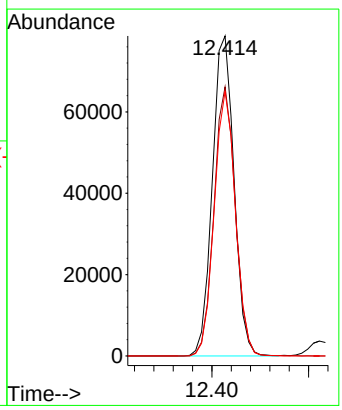
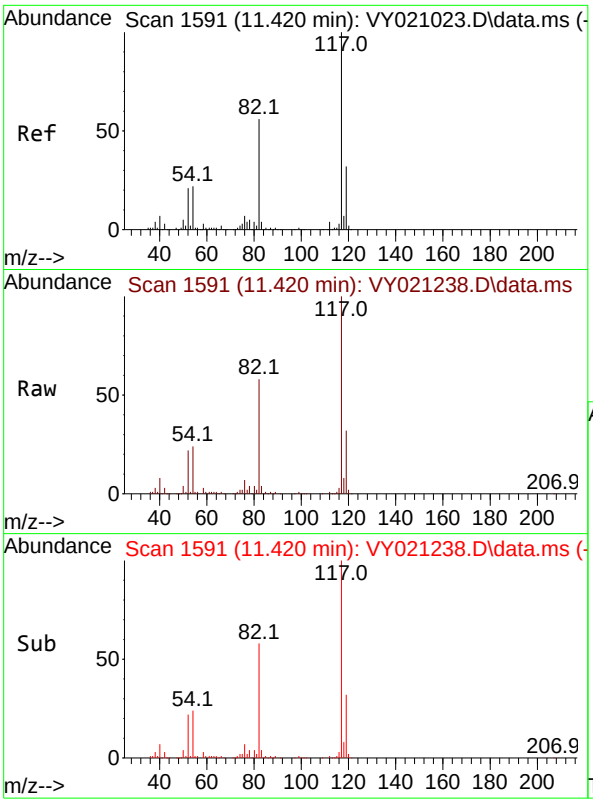



#62
4-Bromofluorobenzene
Concen: 50.660 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 95 Resp: 121983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.0 | 0.0 | 160.0 |
| 176 | 81.1 | 0.0 | 151.8 |

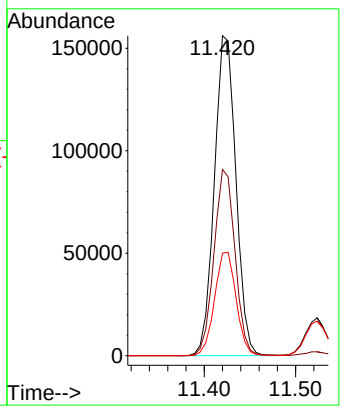





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:117 Resp: 25575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.2 | 43.8 | 65.8 |
| 119 | 32.1 | 26.5 | 39.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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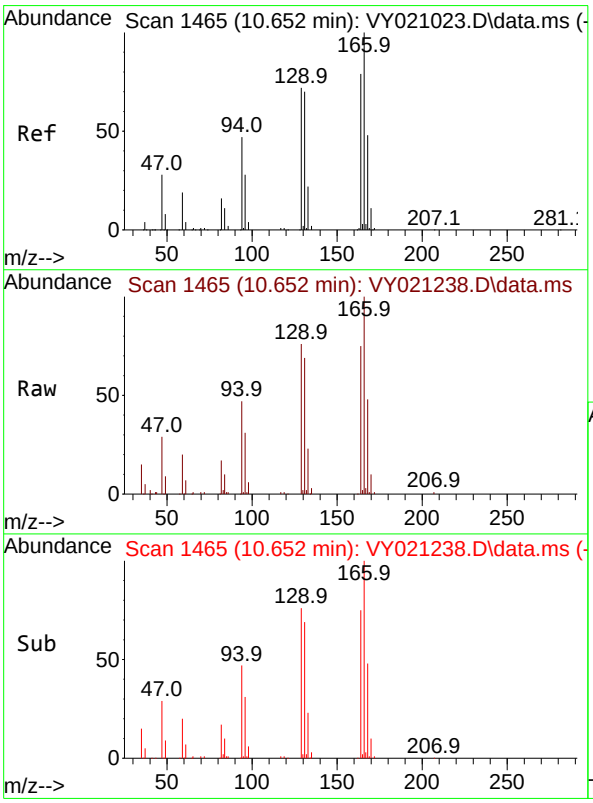
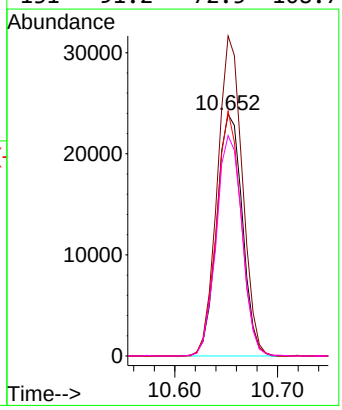
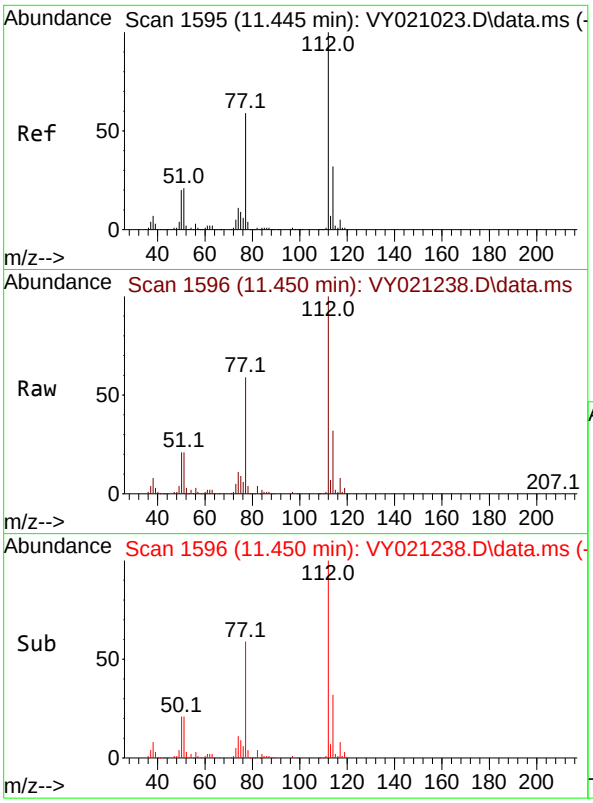



#64
Tetrachloroethene
Concen: 21.781 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:164 Resp: 41352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.5 | 98.8 | 148.2 |
| 129 | 101.3 | 78.9 | 118.3 |
| 131 | 91.2 | 72.5 | 108.7 |

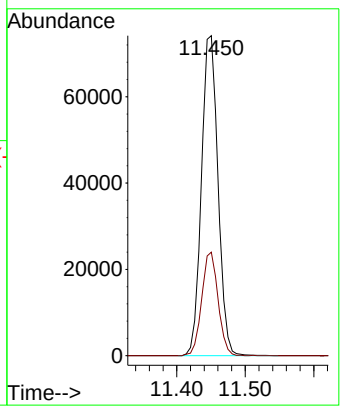





#65
Chlorobenzene
Concen: 21.900 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:112 Resp: 12471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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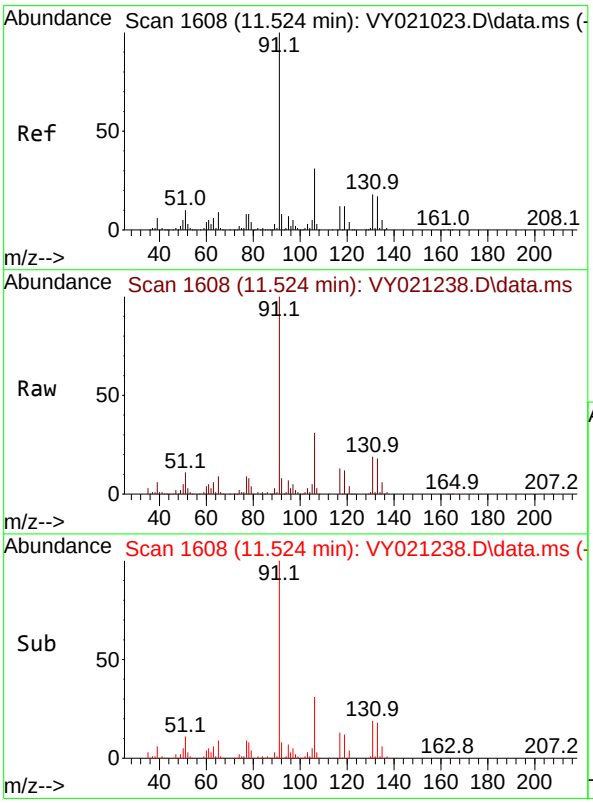
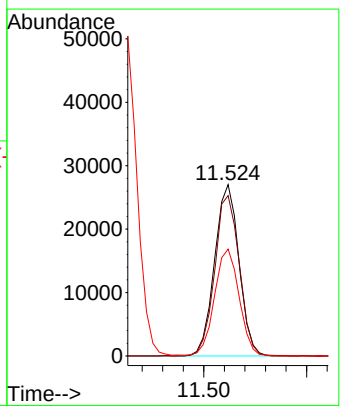
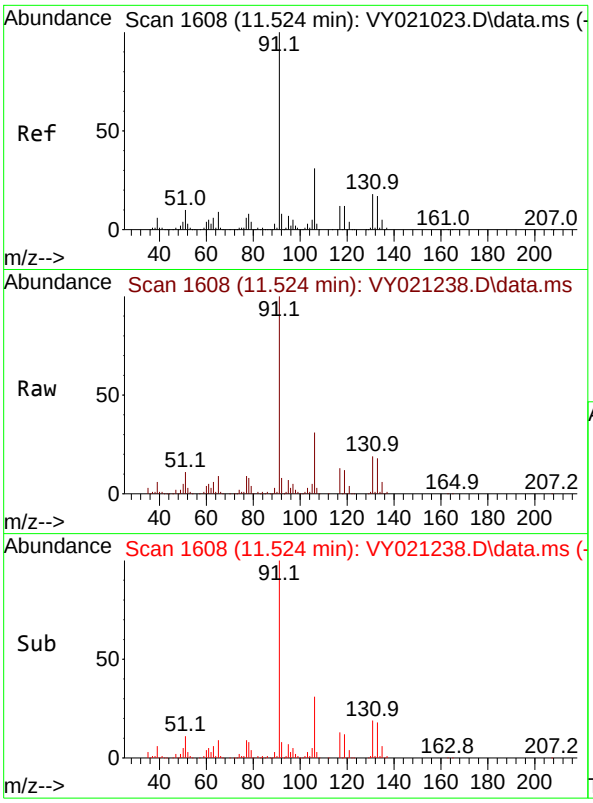



#66
1,1,1,2-Tetrachloroethane
Concen: 21.924 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:131 Resp: 44369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.0 | 141.0 |
| 119 | 63.1 | 33.3 | 99.9 |

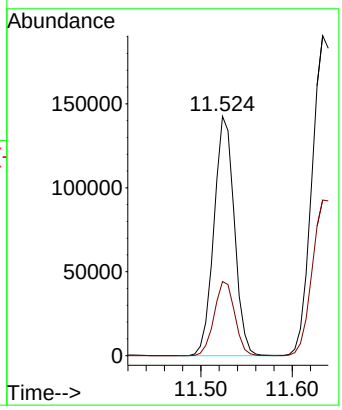





#67
Ethyl Benzene
Concen: 21.940 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 22099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 25.0 | 37.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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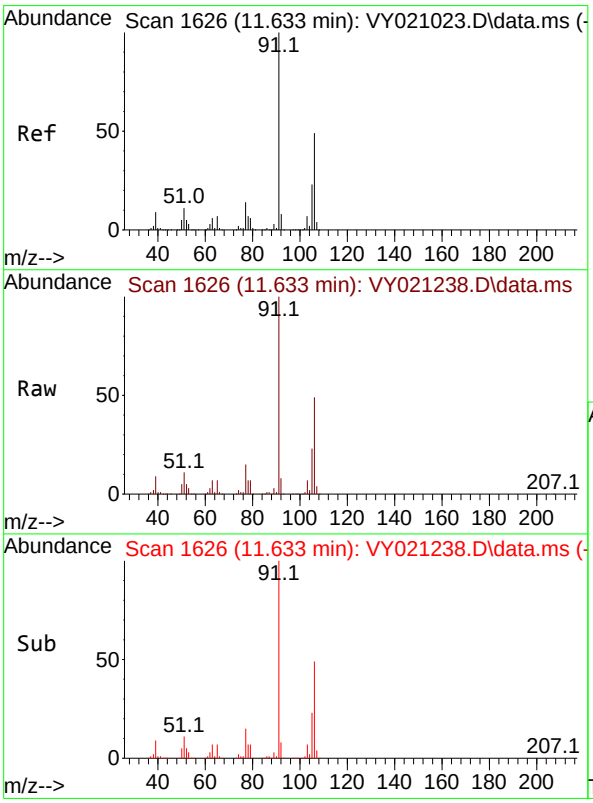
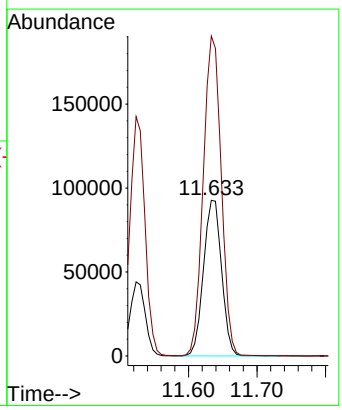
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

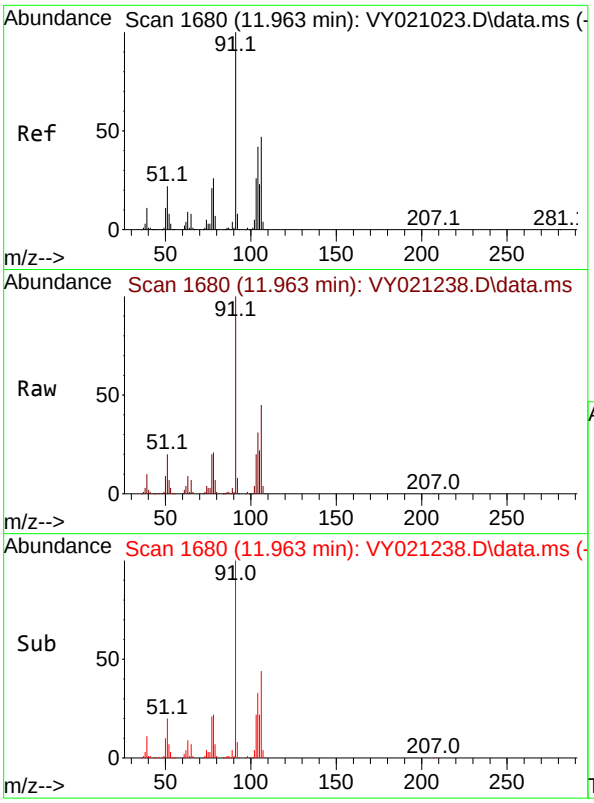



#68
m/p-Xylenes
Concen: 45.133 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:106 Resp: 170065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.2 | 160.7 | 241.1 |

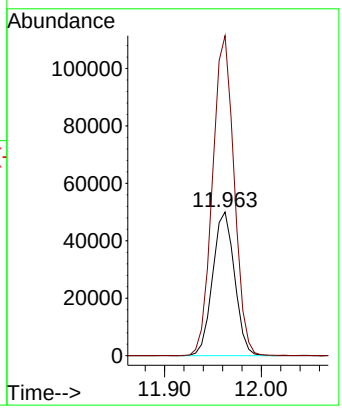





#69
o-Xylene
Concen: 22.395 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:106 Resp: 7867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.9 | 106.5 | 319.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/20/2025
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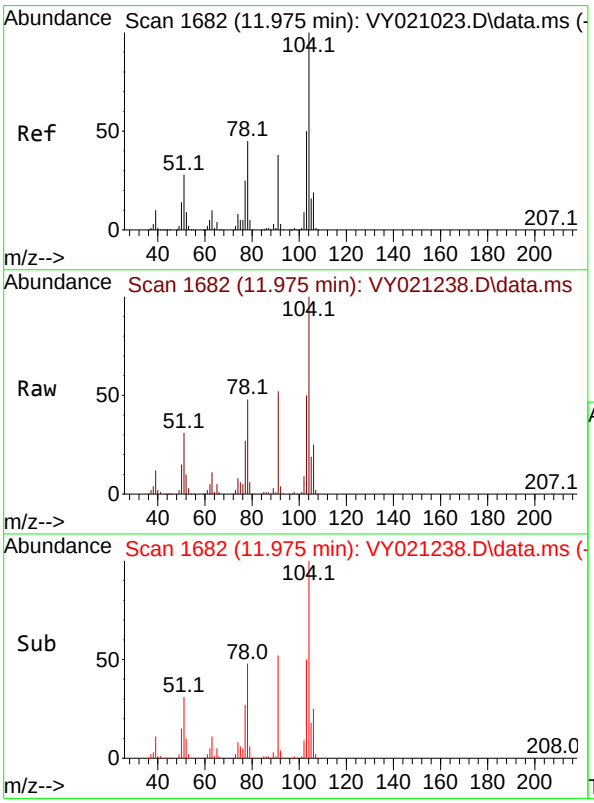
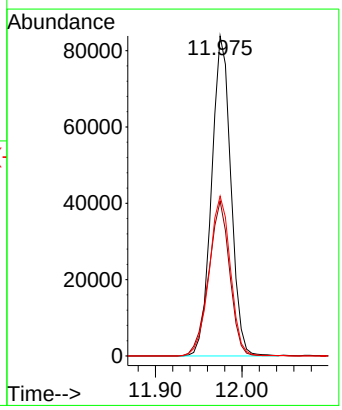
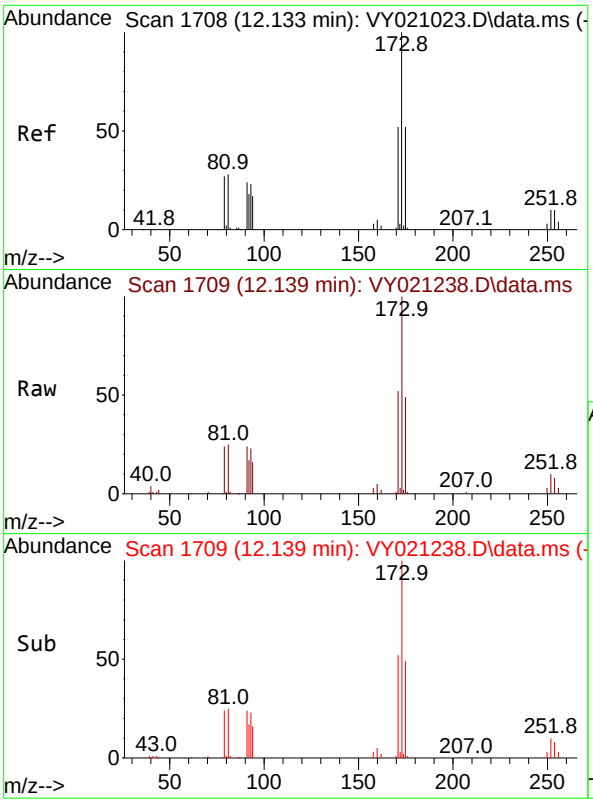



#70
Styrene
Concen: 22.209 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:104 Resp: 130042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.5 | 39.2 | 58.8 |
| 103 | 54.8 | 43.8 | 65.6 |

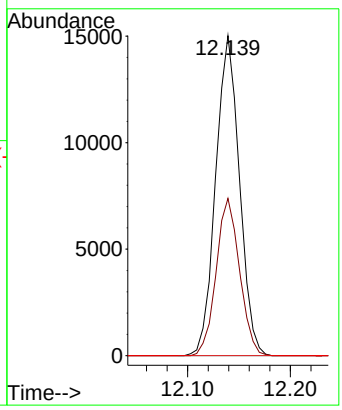





#71
Bromoform
Concen: 21.385 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:173 Resp: 2408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 23.5 | 70.6 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/20/2025
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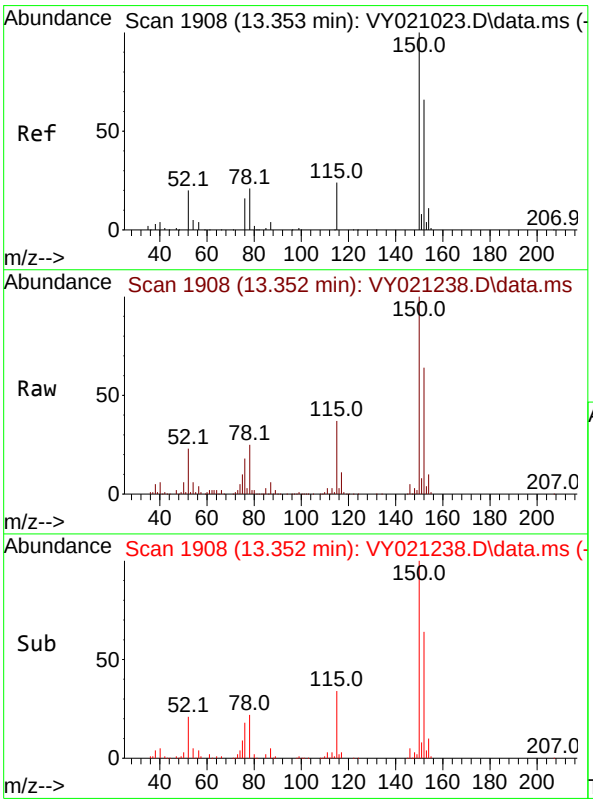
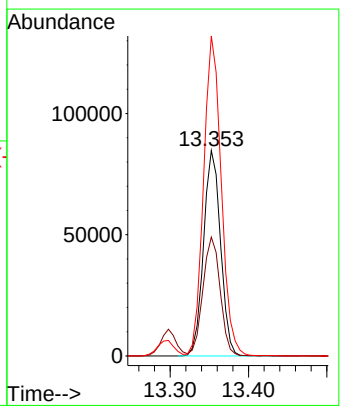
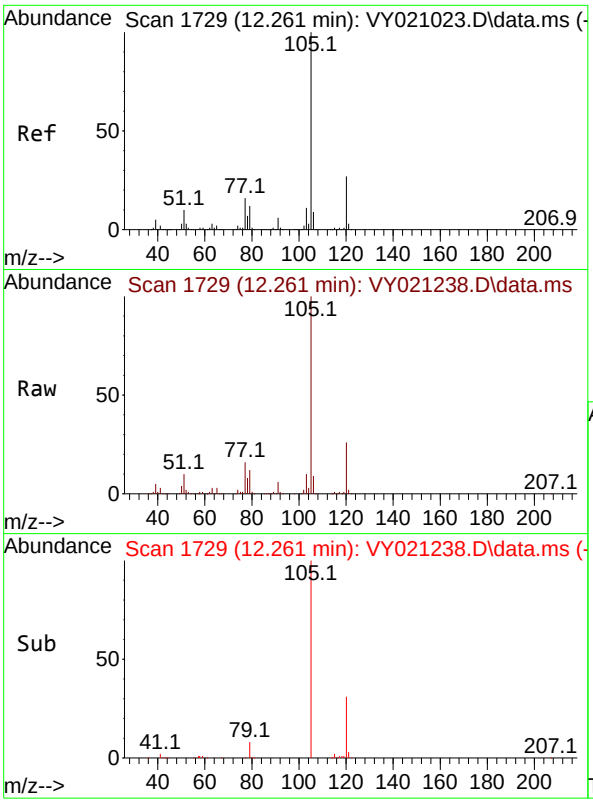



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:152 Resp: 127239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.9 | 30.0 | 90.0 |
| 150 | 162.7 | 0.0 | 344.6 |

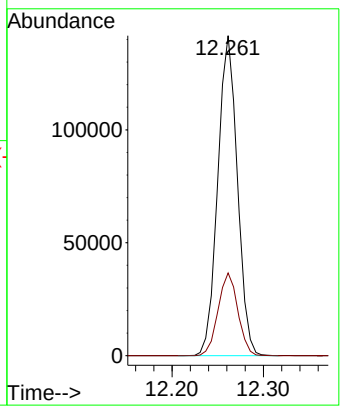





#73
Isopropylbenzene
Concen: 21.270 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 21140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 39.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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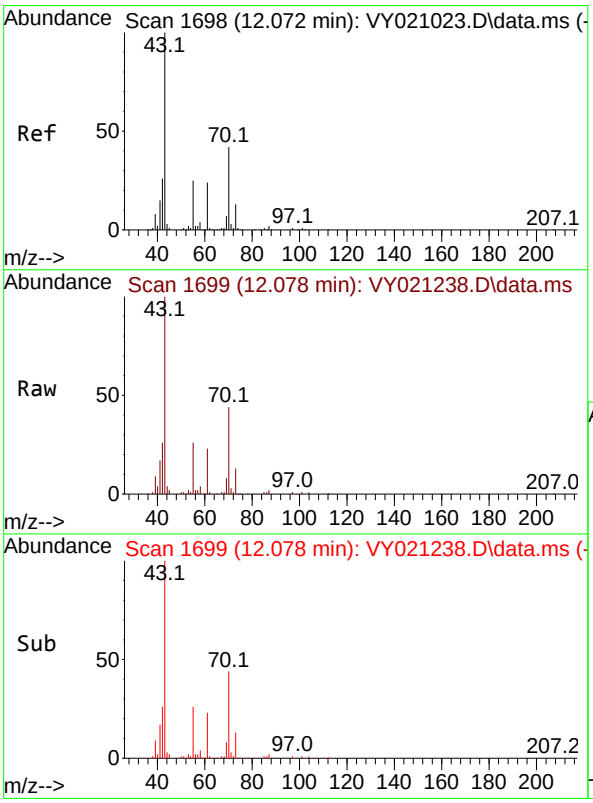
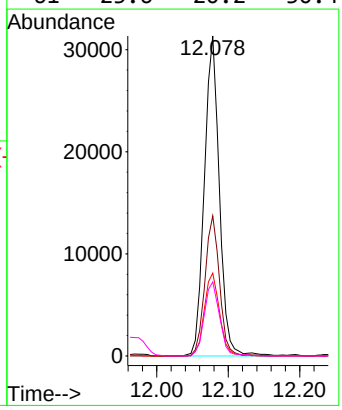
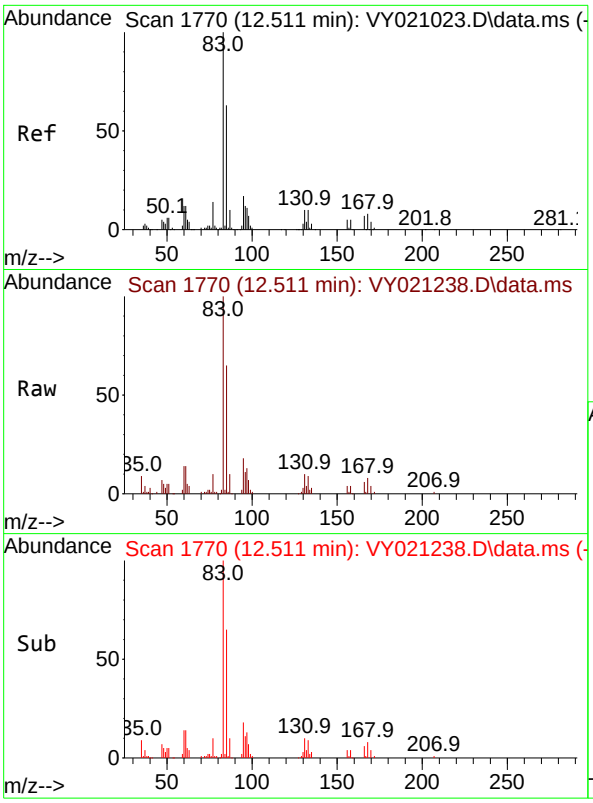



#74
N-amyl acetate
Concen: 21.059 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 45761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.4 | 36.6 | 55.0 |
| 55 | 26.3 | 22.2 | 33.4 |
| 61 | 23.6 | 20.2 | 30.4 |

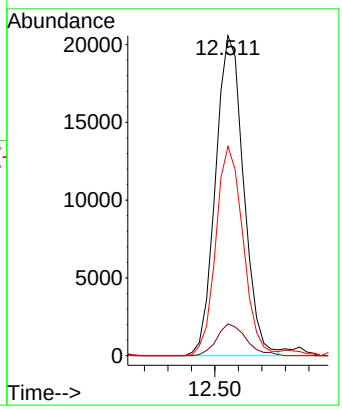





#75
1,1,2,2-Tetrachloroethane
Concen: 20.659 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 83 Resp: 3414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 4.9 | 14.6 |
| 85 | 63.7 | 32.6 | 98.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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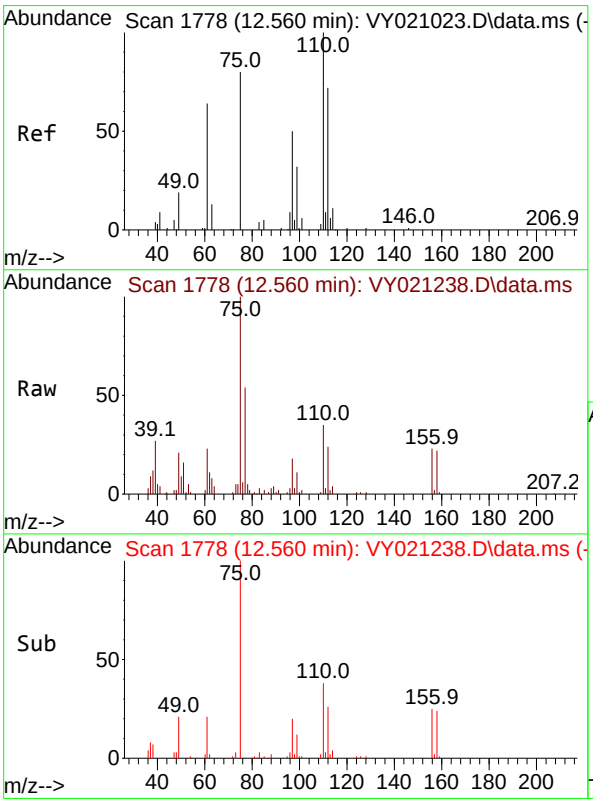
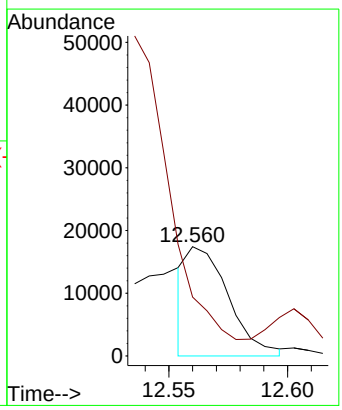
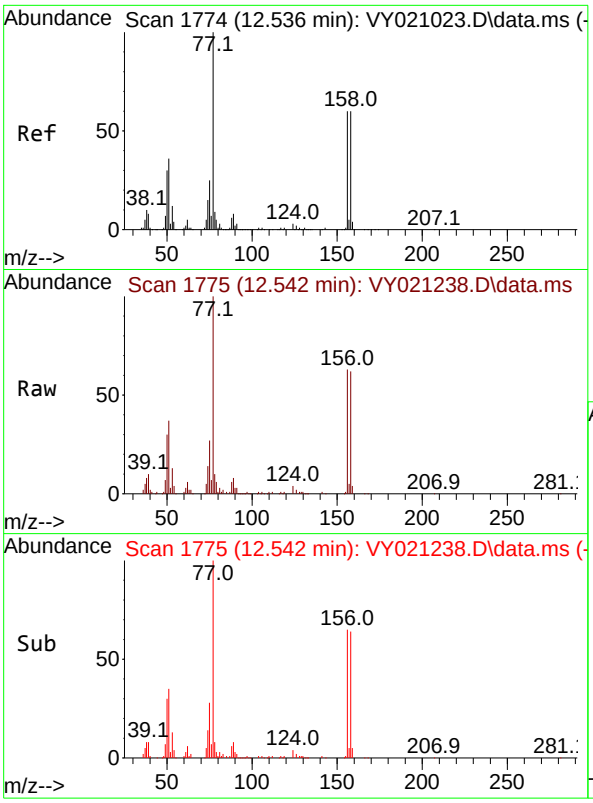



#76
1,2,3-Trichloropropane
Concen: 18.445 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 21289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

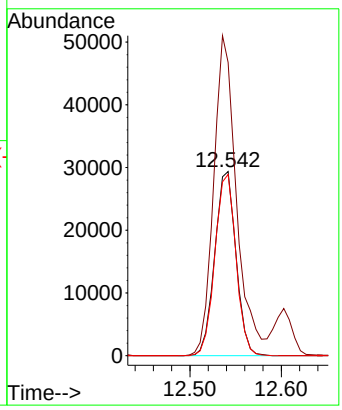





#77
Bromobenzene
Concen: 20.670 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:156 Resp: 4741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.5 | 97.3 | 291.8 |
| 158 | 97.6 | 48.4 | 145.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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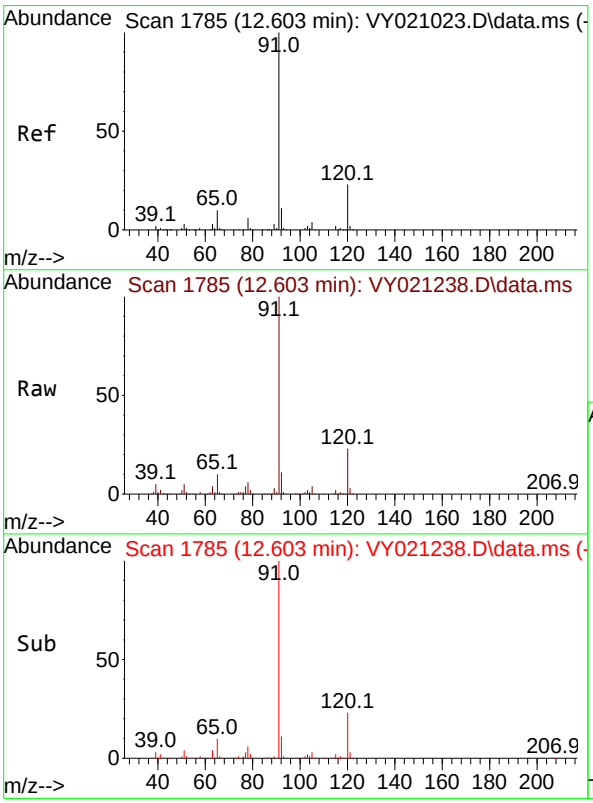
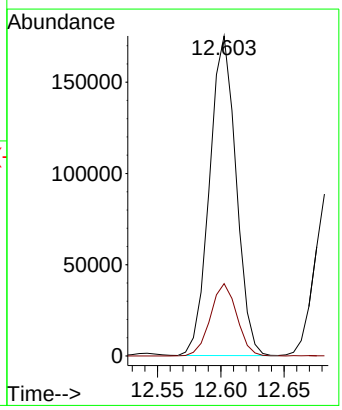
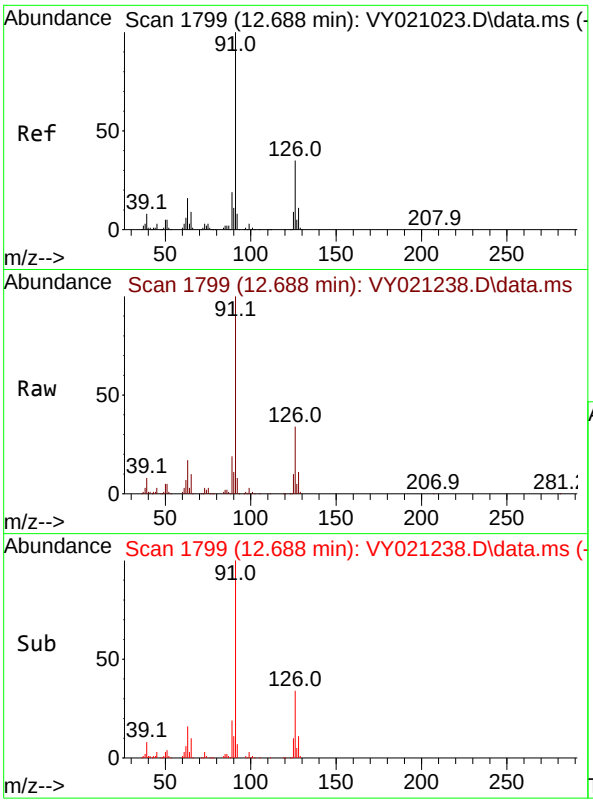



#78
n-propylbenzene
Concen: 21.599 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 255730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 21.449 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 14545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 17.0 | 51.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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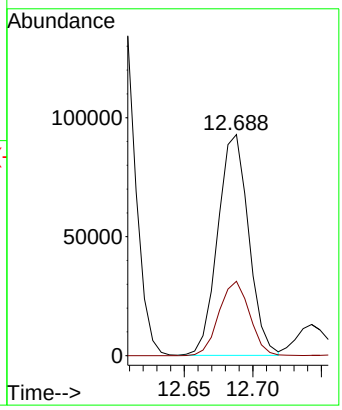
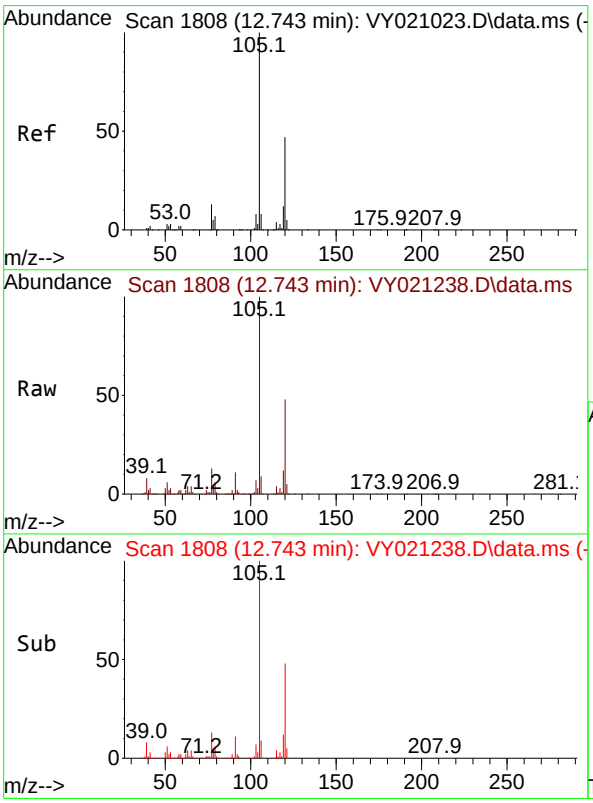
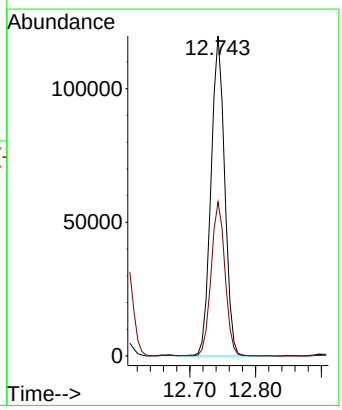


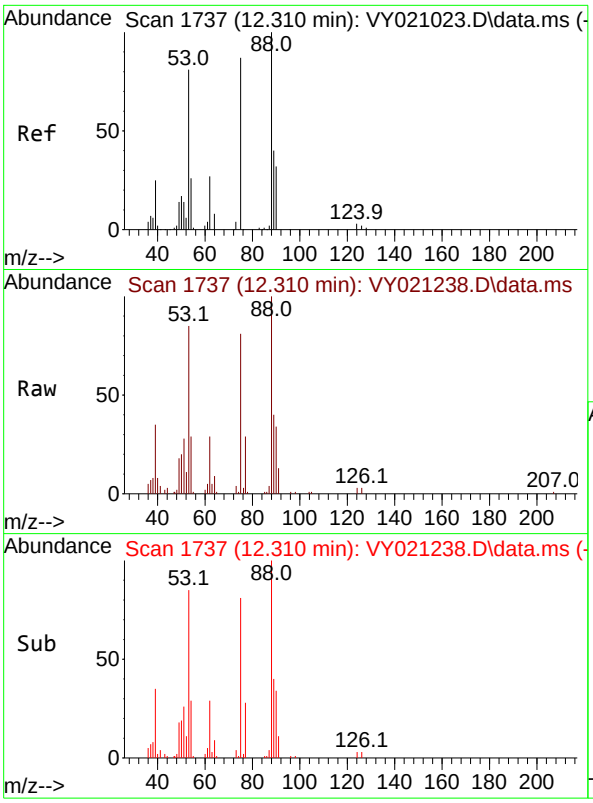




#80
1,3,5-Trimethylbenzene
Concen: 21.577 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 173873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.7 | 24.3 | 72.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 19.678 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 1113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 107.0 | 74.0 | 111.0 |
| 89 | 50.8 | 36.5 | 54.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
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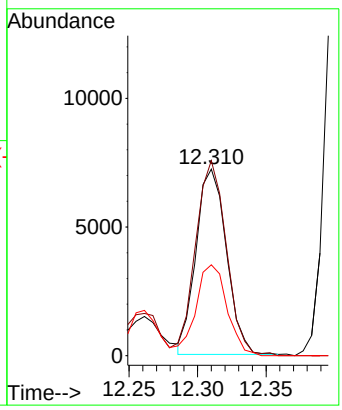
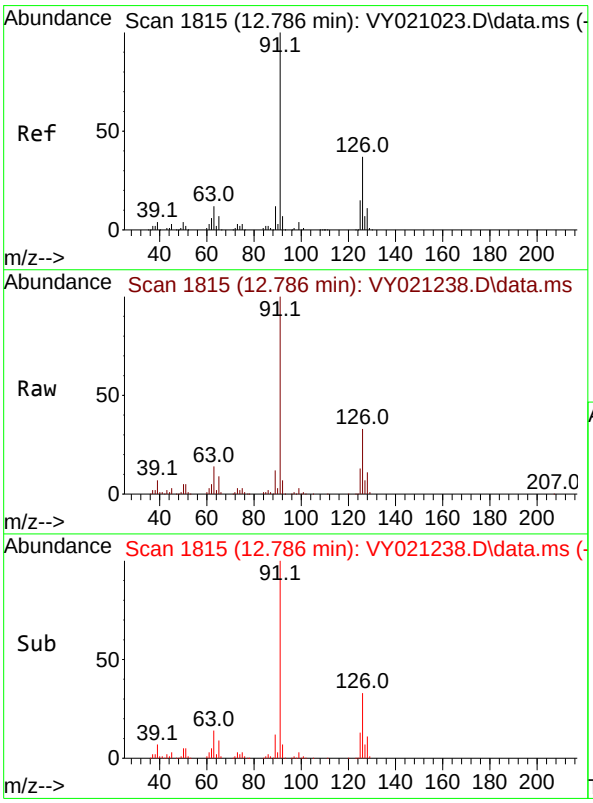
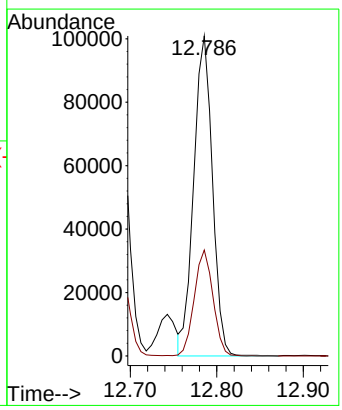


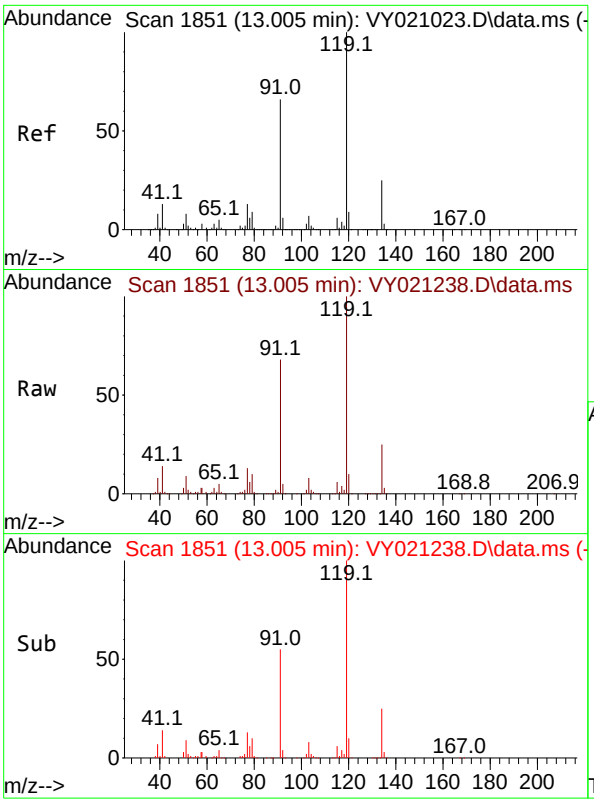




#82
4-Chlorotoluene
Concen: 21.910 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 151381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 17.1 | 51.2 |

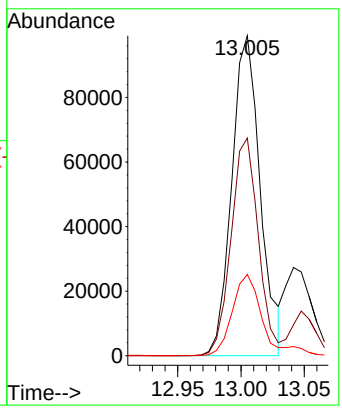





#83
tert-Butylbenzene
Concen: 21.237 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:119 Resp: 15555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.1 | 31.5 | 94.5 |
| 134 | 26.9 | 13.1 | 39.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

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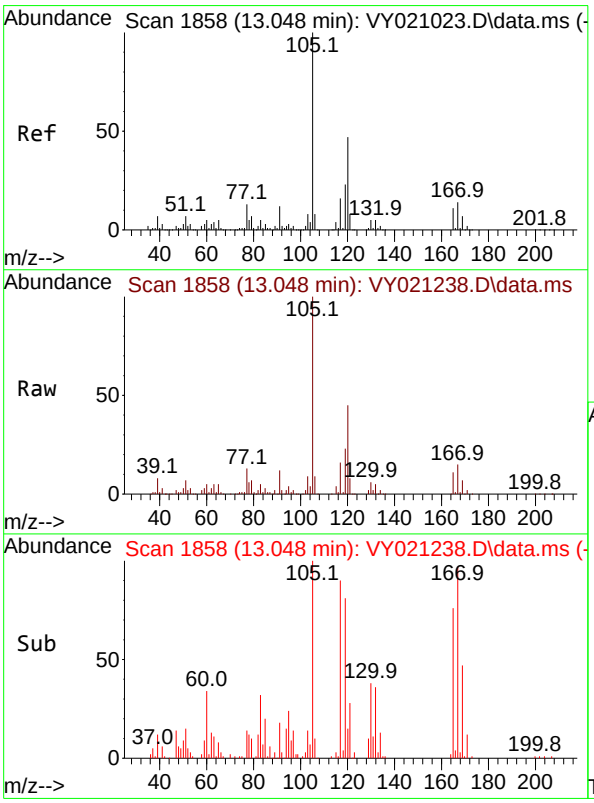
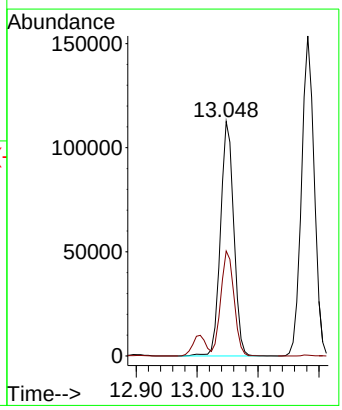
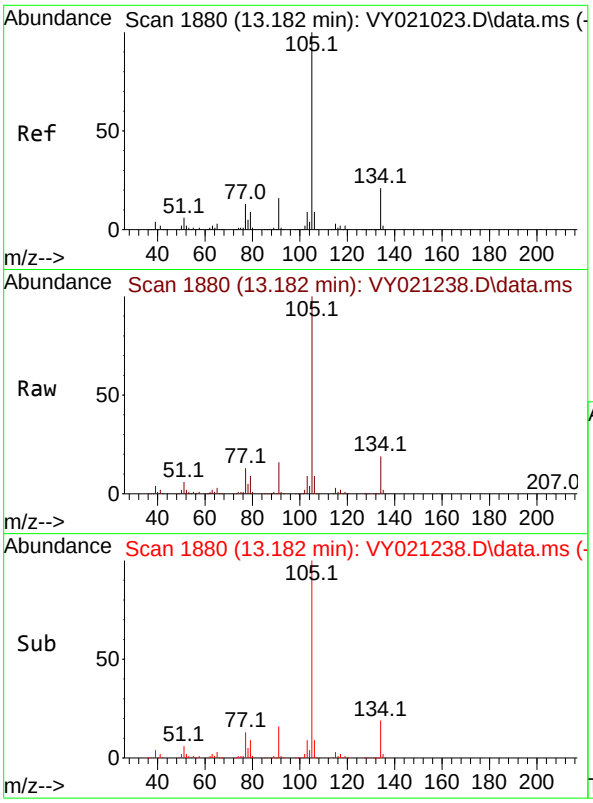



#84
1,2,4-Trimethylbenzene
Concen: 21.644 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 170537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.5 | 22.1 | 66.3 |

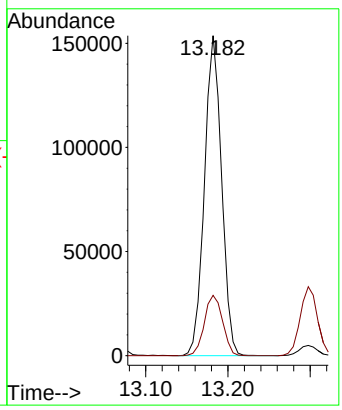





#85
sec-Butylbenzene
Concen: 21.099 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 22245

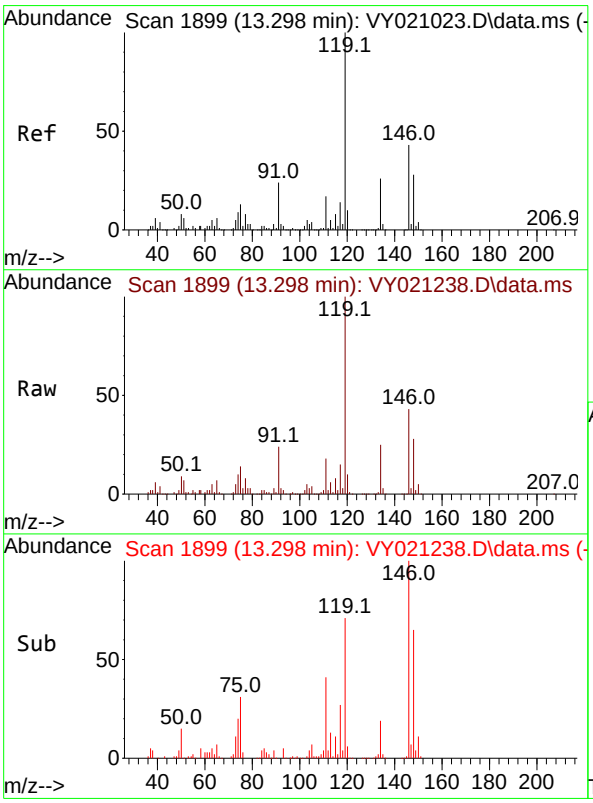
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.7 | 28.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

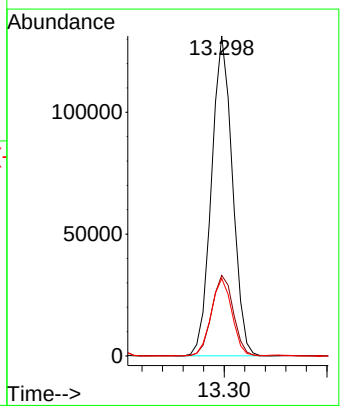
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

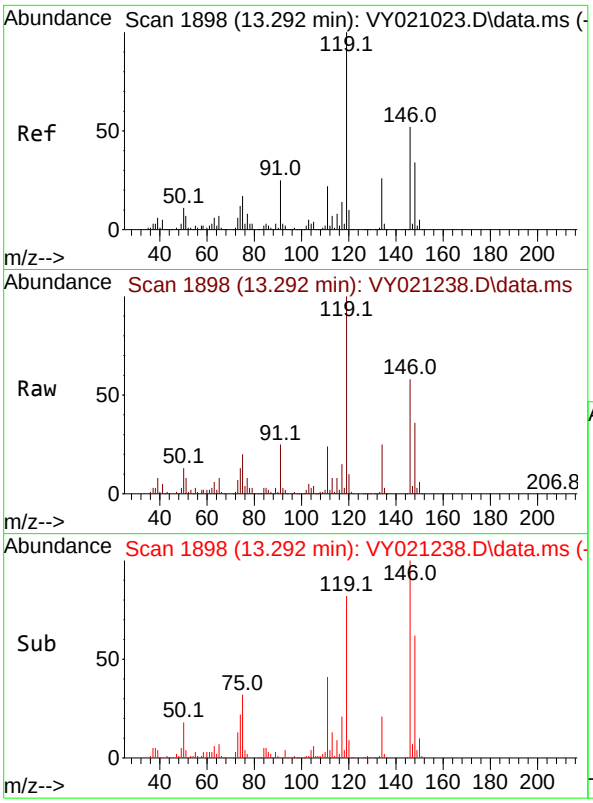



#86
p-Isopropyltoluene
Concen: 21.155 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:119 Resp: 185286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.1 | 39.1 |
| 91 | 24.2 | 11.7 | 35.0 |

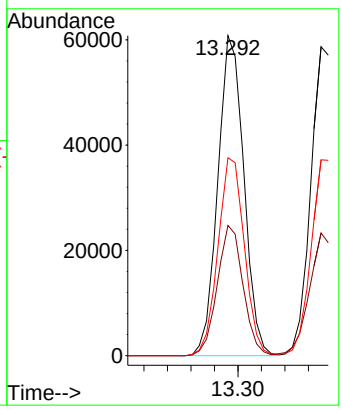





#87
1,3-Dichlorobenzene
Concen: 21.128 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:146 Resp: 9357

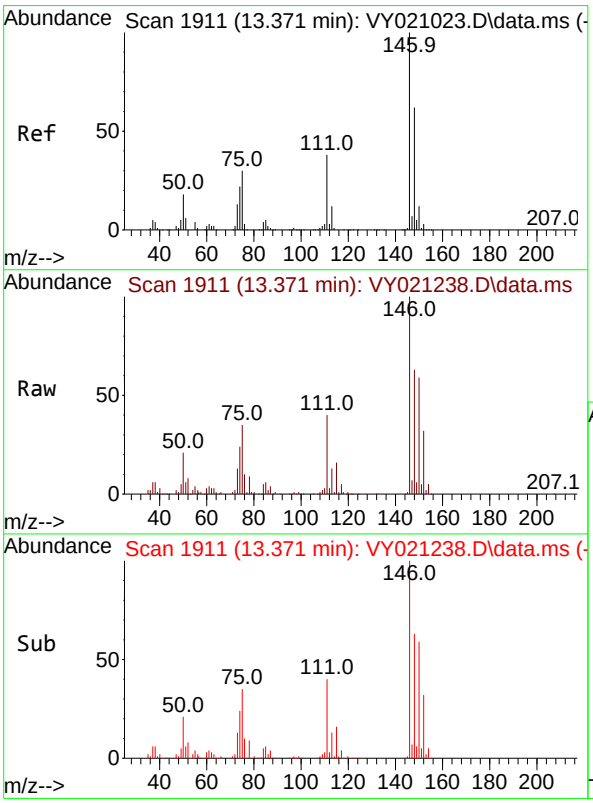
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.2 | 60.5 |
| 148 | 62.8 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

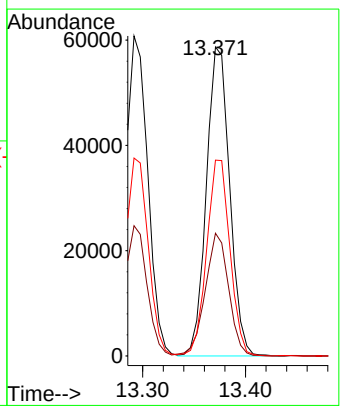
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

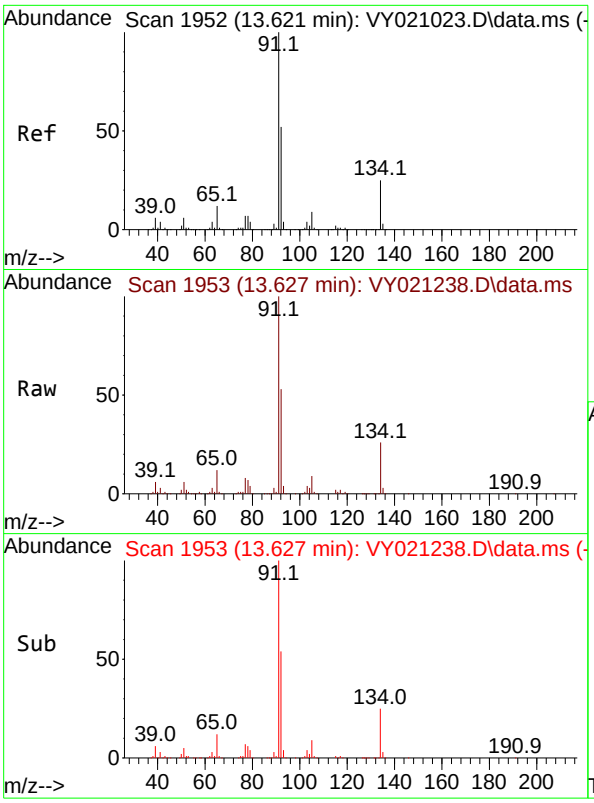



#88
1,4-Dichlorobenzene
Concen: 21.142 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:146 Resp: 92191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.1 | 19.3 | 57.9 |
| 148 | 63.4 | 31.6 | 94.7 |

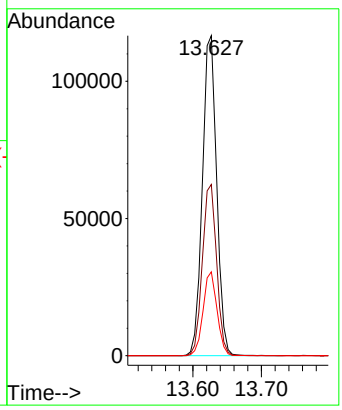





#89
n-Butylbenzene
Concen: 21.153 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 16901

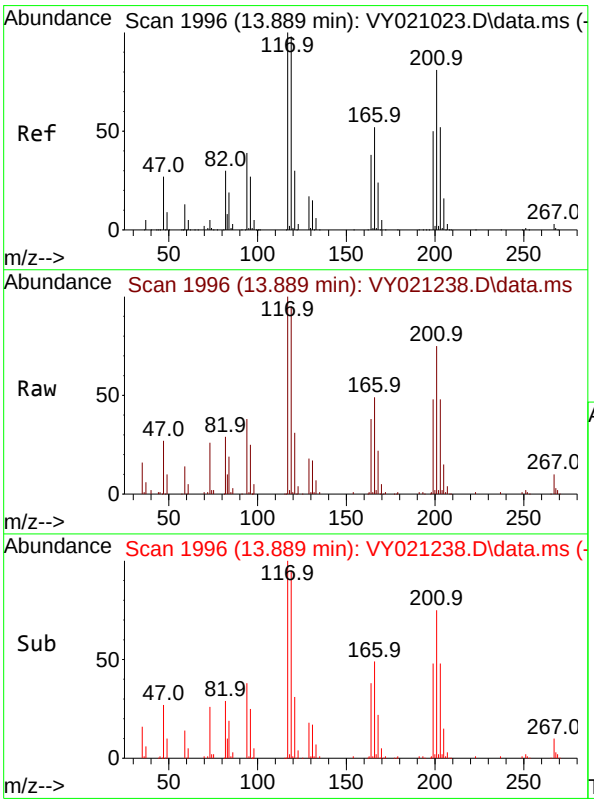
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.4 | 79.2 |
| 134 | 25.7 | 12.3 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

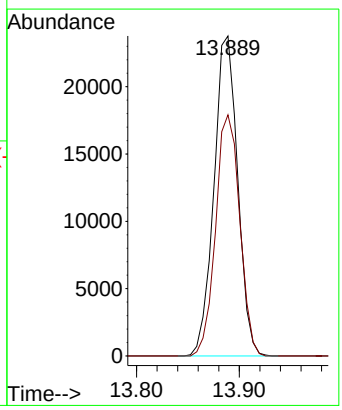
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

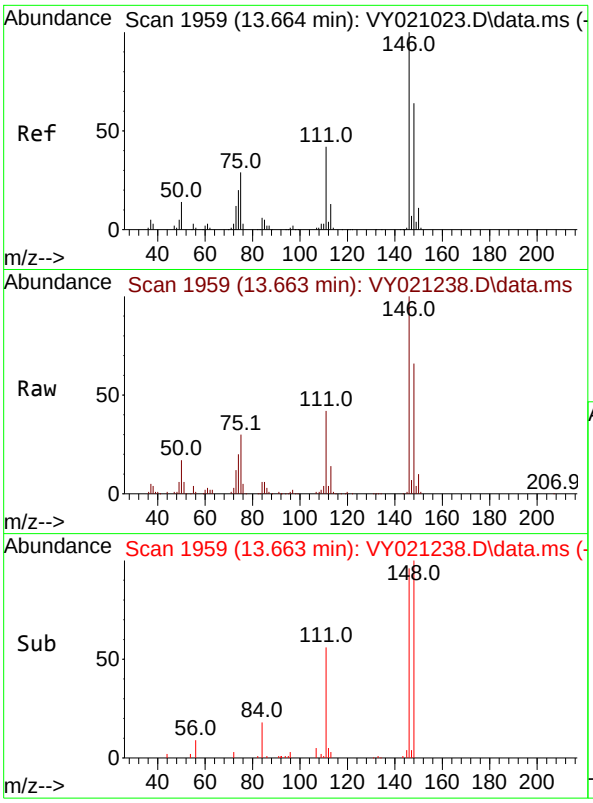



#90
Hexachloroethane
Concen: 20.838 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:117 Resp: 38075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.5 | 33.4 | 100.1 |

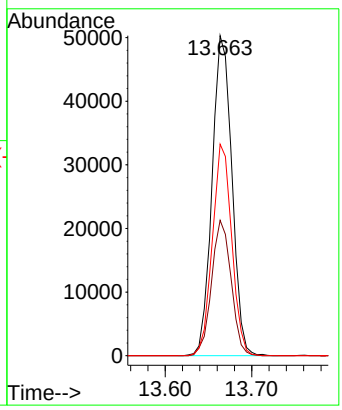





#91
1,2-Dichlorobenzene
Concen: 20.833 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:146 Resp: 8008

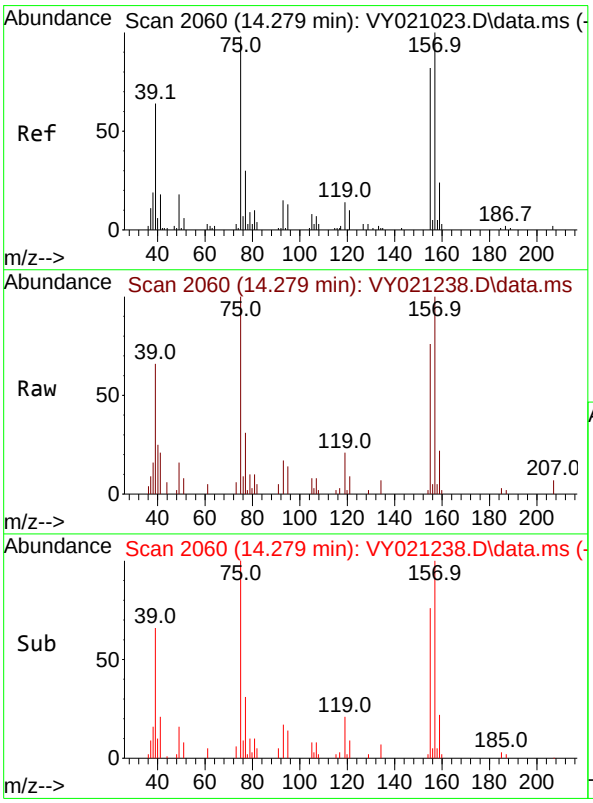
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.5 | 61.6 |
| 148 | 64.5 | 31.4 | 94.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

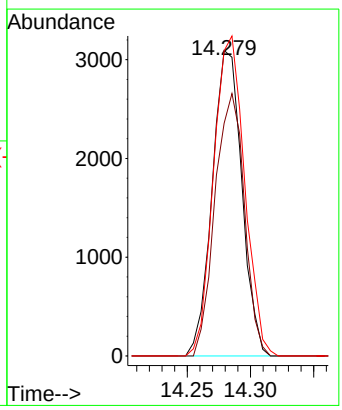
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

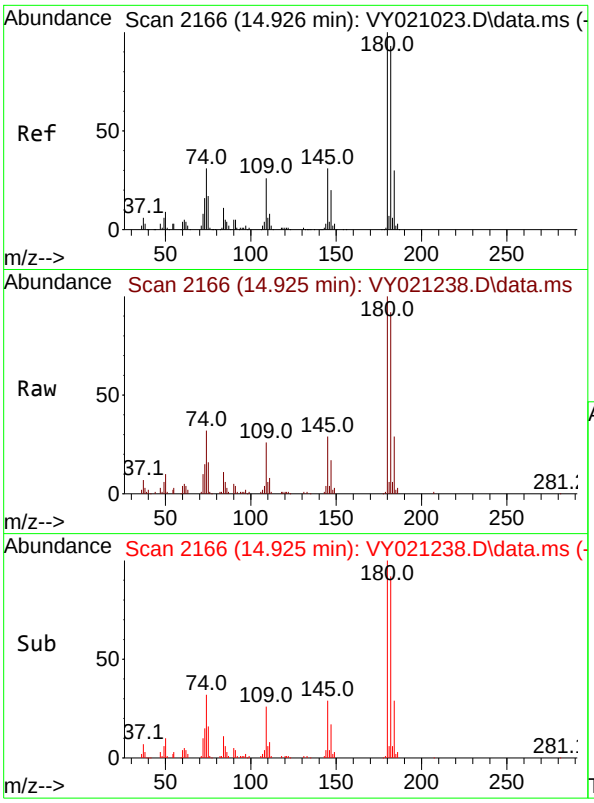



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.379 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 5034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.2 | 42.1 | 126.3 |
| 157 | 109.4 | 55.8 | 167.4 |

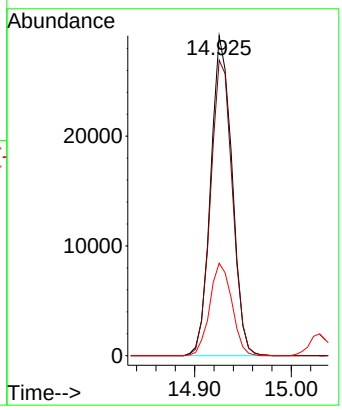





#93
1,2,4-Trichlorobenzene
Concen: 20.795 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:180 Resp: 4449

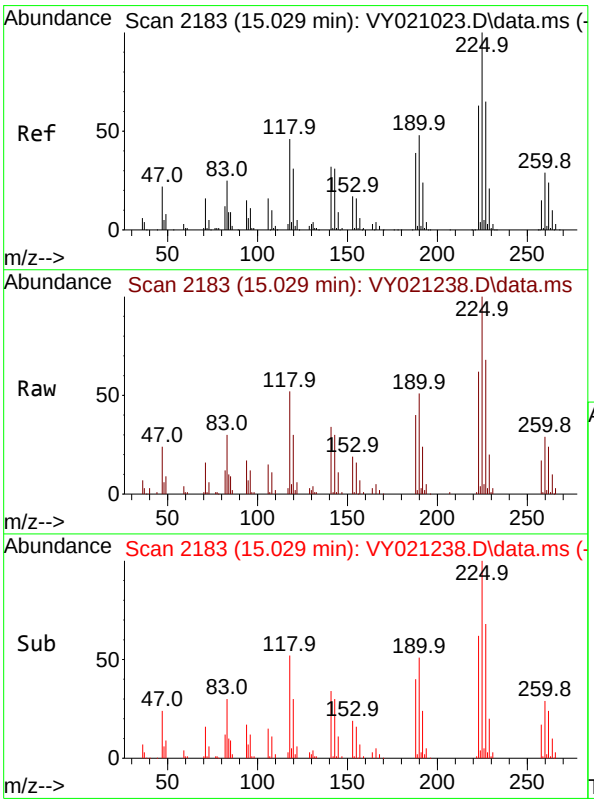
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 47.9 | 143.7 |
| 145 | 30.0 | 15.9 | 47.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

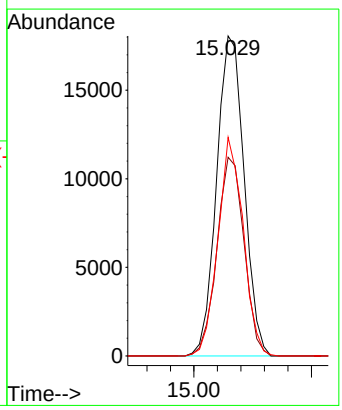
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

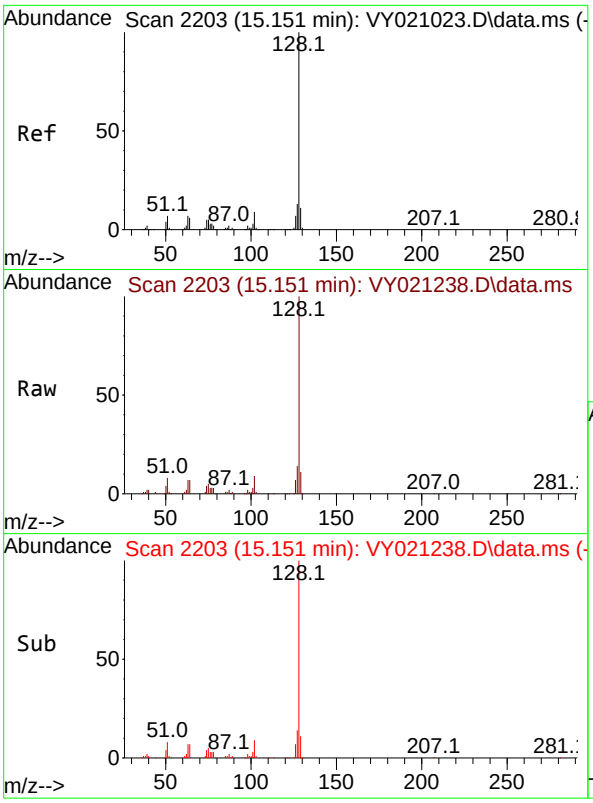



#94
Hexachlorobutadiene
Concen: 20.714 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:225 Resp: 29370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.1 | 31.4 | 94.3 |
| 227 | 62.9 | 32.3 | 96.8 |

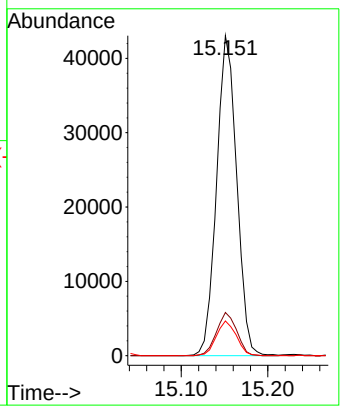





#95
Naphthalene
Concen: 20.324 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:128 Resp: 6957

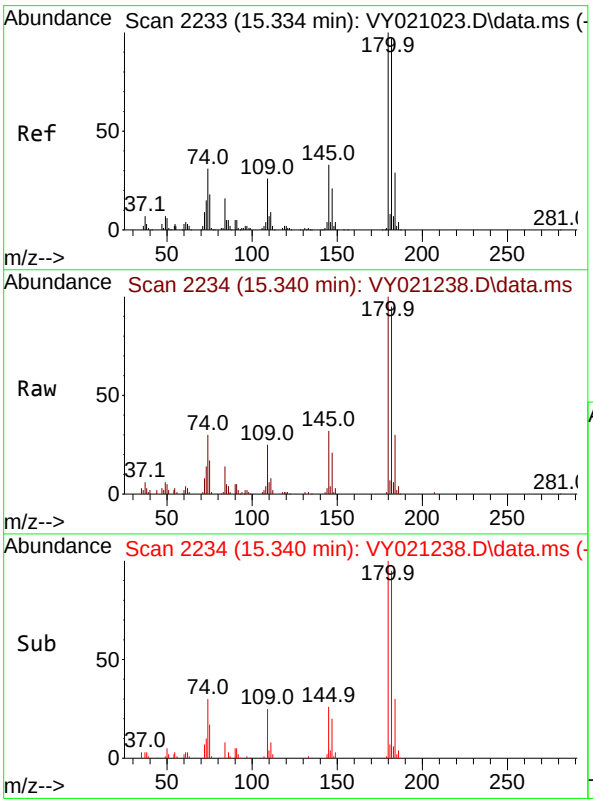
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.5 | 10.2 | 15.4 |
| 129 | 10.8 | 8.6 | 12.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

**Manual Integrations**
**APPROVED**

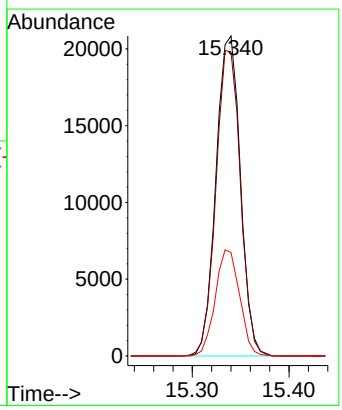
Reviewed By :Romaben Patel 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025




#96
1,2,3-Trichlorobenzene
Concen: 20.486 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:180 Resp: 36476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 46.3 | 138.8 |
| 145 | 33.1 | 16.1 | 48.2 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0221SBS01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0221SBS01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021277.D | 1 | | 02/21/25 11:43 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.027 | | 0.0017 | 0.0040 | 0.0050 | mg/Kg |
| 74-87-3 | Chloromethane | 0.030 | | 0.0012 | 0.0025 | 0.0050 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.028 | | 0.00077 | 0.0025 | 0.0050 | mg/Kg |
| 74-83-9 | Bromomethane | 0.026 | | 0.0010 | 0.0040 | 0.0050 | mg/Kg |
| 75-00-3 | Chloroethane | 0.028 | | 0.0010 | 0.0025 | 0.0050 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.12 | | 0.0052 | 0.013 | 0.025 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.024 | | 0.00091 | 0.0040 | 0.0050 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.023 | | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.023 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.12 | | 0.0050 | 0.013 | 0.025 | mg/Kg |
| 67-64-1 | Acetone | 0.12 | | 0.0062 | 0.020 | 0.025 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.024 | | 0.0013 | 0.0040 | 0.0050 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.022 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.025 | | 0.0034 | 0.0080 | 0.010 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.023 | | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.023 | | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.12 | | 0.0057 | 0.020 | 0.025 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.022 | | 0.00087 | 0.0025 | 0.0050 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.022 | | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.022 | | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 67-66-3 | Chloroform | 0.023 | | 0.00067 | 0.0040 | 0.0050 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.023 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.022 | | 0.00073 | 0.0025 | 0.0050 | mg/Kg |
| 71-43-2 | Benzene | 0.022 | | 0.00072 | 0.0025 | 0.0050 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.023 | | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.021 | | 0.00075 | 0.0025 | 0.0050 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.023 | | 0.00066 | 0.0025 | 0.0050 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.022 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.022 | | 0.00056 | 0.0025 | 0.0050 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.12 | | 0.0044 | 0.013 | 0.025 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0221SBS01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0221SBS01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021277.D | 1 | | 02/21/25 11:43 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.022 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.022 | | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.022 | | 0.00057 | 0.0025 | 0.0050 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.022 | | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.022 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.12 | | 0.0048 | 0.013 | 0.025 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.021 | | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.022 | | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.021 | | 0.00089 | 0.0025 | 0.0050 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.021 | | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.021 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.021 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.043 | | 0.0014 | 0.0050 | 0.010 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.064 | | 0.0021 | 0.0075 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.021 | | 0.00070 | 0.0025 | 0.0050 | mg/Kg |
| 100-42-5 | Styrene | 0.022 | | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 75-25-2 | Bromoform | 0.022 | | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.020 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.021 | | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.019 | | 0.0012 | 0.0040 | 0.0050 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.020 | | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.021 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.020 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.020 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.020 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.020 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.021 | | 0.0014 | 0.0025 | 0.0050 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.020 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.020 | | 0.00058 | 0.0025 | 0.0050 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.020 | | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.020 | | 0.00080 | 0.0025 | 0.0050 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0221SBS01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0221SBS01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021277.D | 1 | | 02/21/25 11:43 | VY022125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.020 | | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.021 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.022 | | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.020 | | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.020 | | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.021 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.020 | | 0.00080 | 0.0025 | 0.0050 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.2 | | 71 - 136 | | 98% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.0 | | 78 - 119 | | 94% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 46.4 | | 85 - 116 | | 93% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.7 | | 79 - 119 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 142000 | 7.719 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 225000 | 8.622 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 195000 | 11.426 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 99800 | 13.358 | | | | |

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_Y\Data\VY022125\
Data File : VY021277.D
Acq On : 21 Feb 2025 11:43
Operator : SY/MD
Sample : VY0221SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 21 23:05:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations APPROVED**
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 142077 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 225088 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 194706 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.358 | 152 | 99790 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.073 | 65 | 71680 | 49.241 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 98.480% | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 67848 | 47.035 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 94.060% | | |
| 50) Toluene-d8 | 10.115 | 98 | 254568 | 46.355 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 92.700% | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 87361 | 48.693 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = | 97.380% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.873 | 85 | 34744 | 27.437 | ug/l | 97 |
| 3) Chloromethane | 2.074 | 50 | 36895 | 29.526 | ug/l | 97 |
| 4) Vinyl Chloride | 2.214 | 62 | 35436 | 28.175 | ug/l | 96 |
| 5) Bromomethane | 2.604 | 94 | 19911 | 25.614 | ug/l | 98 |
| 6) Chloroethane | 2.745 | 64 | 20895 | 27.909 | ug/l | 96 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 54515 | 23.792 | ug/l | 100 |
| 8) Diethyl Ether | 3.470 | 74 | 16457 | 23.007 | ug/l | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 32739 | 22.766 | ug/l | 95 |
| 10) Methyl Iodide | 4.019 | 142 | 33721 | 21.106 | ug/l | 93 |
| 11) Tert butyl alcohol | 4.909 | 59 | 11124 | 112.767 | ug/l # | 75 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 30615 | 22.599 | ug/l | 86 |
| 13) Acrolein | 3.665 | 56 | 12791 | 84.205 | ug/l | 96 |
| 14) Allyl chloride | 4.397 | 41 | 53151 | 23.280 | ug/l | 94 |
| 15) Acrylonitrile | 5.086 | 53 | 35896 | 120.510 | ug/l | 99 |
| 16) Acetone | 3.897 | 43 | 26461 | 116.562 | ug/l | 97 |
| 17) Carbon Disulfide | 4.122 | 76 | 100186 | 23.585 | ug/l | 99 |
| 18) Methyl Acetate | 4.409 | 43 | 18736 | 23.511 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.134 | 73 | 76143 | 22.238 | ug/l | 100 |
| 20) Methylene Chloride | 4.634 | 84 | 35107 | 24.877 | ug/l | 89 |
| 21) trans-1,2-Dichloroethene | 5.134 | 96 | 33759 | 22.639 | ug/l | 90 |
| 22) Diisopropyl ether | 6.037 | 45 | 111301 | 23.651 | ug/l | 97 |
| 23) Vinyl Acetate | 5.976 | 43 | 319737 | 121.879 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 62579 | 22.697 | ug/l | 99 |
| 25) 2-Butanone | 6.908 | 43 | 45145 | 121.018 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.902 | 77 | 56177 | 22.020 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 38161 | 22.234 | ug/l | 92 |
| 28) Bromochloromethane | 7.256 | 49 | 23922 | 21.942 | ug/l | 91 |
| 29) Tetrahydrofuran | 7.280 | 42 | 30834 | 122.151 | ug/l | 92 |
| 30) Chloroform | 7.433 | 83 | 63933 | 22.575 | ug/l | 99 |
| 31) Cyclohexane | 7.713 | 56 | 56614 | 22.802 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 60049 | 22.806 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.847 | 75 | 47738 | 22.343 | ug/l | 99 |
| 37) Ethyl Acetate | 7.006 | 43 | 22324 | 23.817 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.829 | 117 | 53797 | 21.549 | ug/l | 96 |
| 39) Methylcyclohexane | 9.115 | 83 | 57935 | 22.168 | ug/l | 96 |
| 40) Benzene | 8.091 | 78 | 139916 | 22.315 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021277.D
Acq On : 21 Feb 2025 11:43
Operator : SY/MD
Sample : VY0221SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 21 23:05:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.232 | 41 | 11894 | 21.934 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 8.170 | 62 | 39732 | 22.843 | ug/l | | 96 |
| 43) Isopropyl Acetate | 8.213 | 43 | 43155 | 23.171 | ug/l | # | 84 |
| 44) Trichloroethene | 8.871 | 130 | 34619 | 21.370 | ug/l | | 90 |
| 45) 1,2-Dichloropropane | 9.152 | 63 | 33754 | 22.681 | ug/l | | 100 |
| 46) Dibromomethane | 9.237 | 93 | 18420 | 22.354 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.432 | 83 | 47920 | 21.684 | ug/l | | 96 |
| 48) Methyl methacrylate | 9.231 | 41 | 19365 | 22.826 | ug/l | | 93 |
| 49) 1,4-Dioxane | 9.249 | 88 | 3454 | 450.275 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 10.005 | 43 | 111716 | 119.282 | ug/l | | 95 |
| 52) Toluene | 10.176 | 92 | 86849 | 22.059 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 43528 | 21.936 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.865 | 75 | 50785 | 21.615 | ug/l | # | 90 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 23291 | 21.828 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.450 | 69 | 31208 | 21.863 | ug/l | # | 86 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 41091 | 22.249 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 66439 | 97.833 | ug/l | | 99 |
| 59) 2-Hexanone | 10.767 | 43 | 71893 | 119.221 | ug/l | | 93 |
| 60) Dibromochloromethane | 10.920 | 129 | 31988 | 21.347 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 11.024 | 107 | 22061 | 22.073 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.658 | 164 | 30712 | 21.248 | ug/l | | 94 |
| 65) Chlorobenzene | 11.450 | 112 | 91911 | 21.200 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.523 | 131 | 32642 | 21.186 | ug/l | | 97 |
| 67) Ethyl Benzene | 11.530 | 91 | 164390 | 21.438 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.639 | 106 | 123398 | 43.015 | ug/l | | 97 |
| 69) o-Xylene | 11.962 | 106 | 56634 | 21.175 | ug/l | | 97 |
| 70) Styrene | 11.975 | 104 | 96585 | 21.667 | ug/l | | 98 |
| 71) Bromoform | 12.139 | 173 | 18840 | 21.969 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.261 | 105 | 155520 | 19.951 | ug/l | | 100 |
| 74) N-amyl acetate | 12.078 | 43 | 36176 | 21.227 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 27554 | 21.254 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 17512m | 19.346 | ug/l | | |
| 77) Bromobenzene | 12.542 | 156 | 35353 | 19.653 | ug/l | | 96 |
| 78) n-propylbenzene | 12.603 | 91 | 190748 | 20.542 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 107600 | 20.232 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 128095 | 20.268 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 9050 | 20.400 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 12.785 | 91 | 109802 | 20.264 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 112082 | 19.511 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.054 | 105 | 126991 | 20.551 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 167172 | 20.216 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 137051 | 19.952 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.298 | 146 | 70365 | 20.259 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.377 | 146 | 69289 | 20.261 | ug/l | | 97 |
| 89) n-Butylbenzene | 13.627 | 91 | 127507 | 20.348 | ug/l | | 99 |
| 90) Hexachloroethane | 13.889 | 117 | 28118 | 19.622 | ug/l | | 88 |
| 91) 1,2-Dichlorobenzene | 13.669 | 146 | 62345 | 20.681 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75 | 4277 | 22.077 | ug/l | | 92 |
| 93) 1,2,4-Trichlorobenzene | 14.931 | 180 | 33174 | 19.770 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.035 | 225 | 21668 | 19.486 | ug/l | | 98 |
| 95) Naphthalene | 15.151 | 128 | 55046 | 20.504 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 28910 | 20.702 | ug/l | | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021277.D
Acq On : 21 Feb 2025 11:43
Operator : SY/MD
Sample : VY0221SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 21 23:05:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

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

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

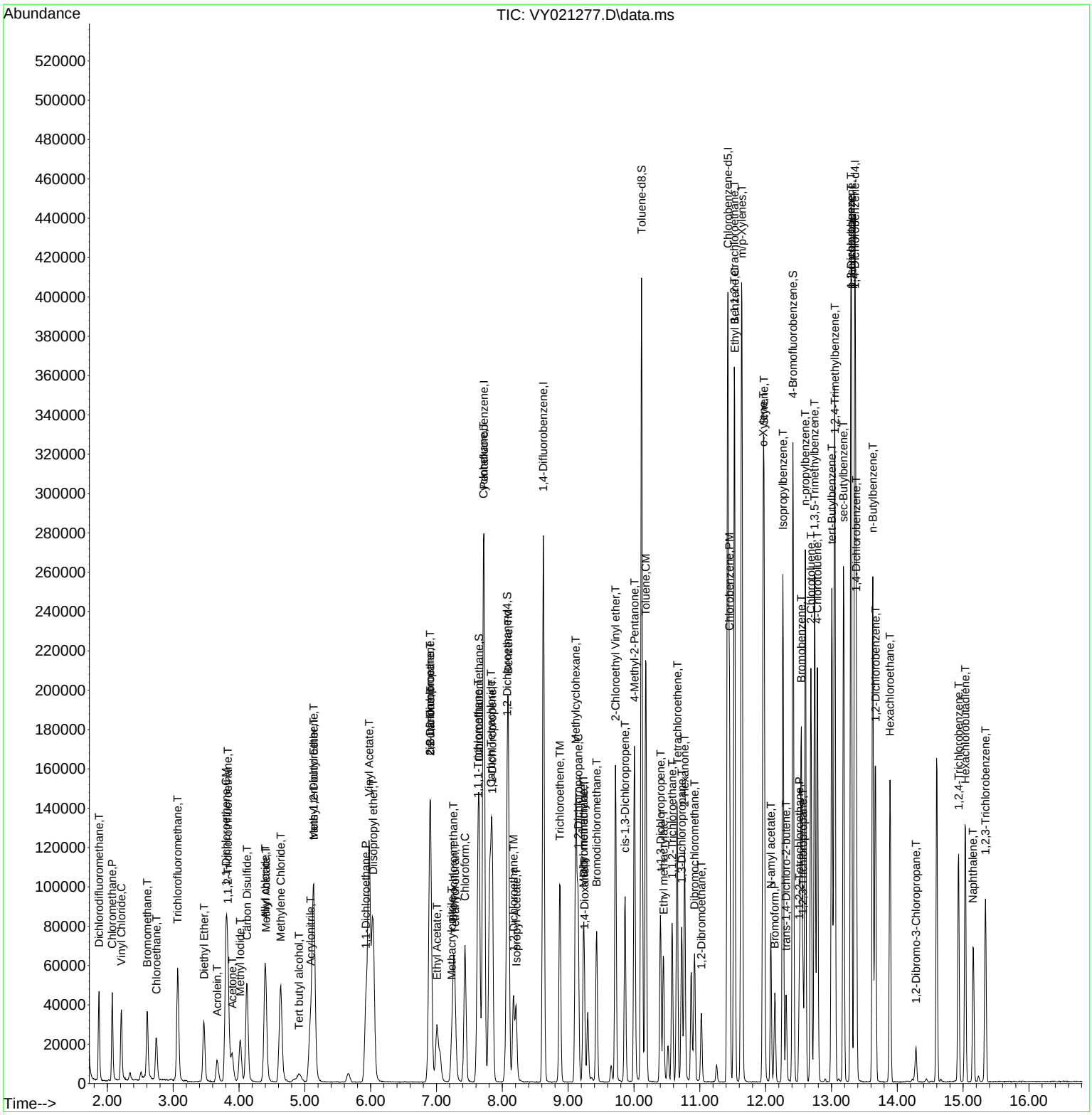
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021277.D
Acq On : 21 Feb 2025 11:43
Operator : SY/MD
Sample : VY0221SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

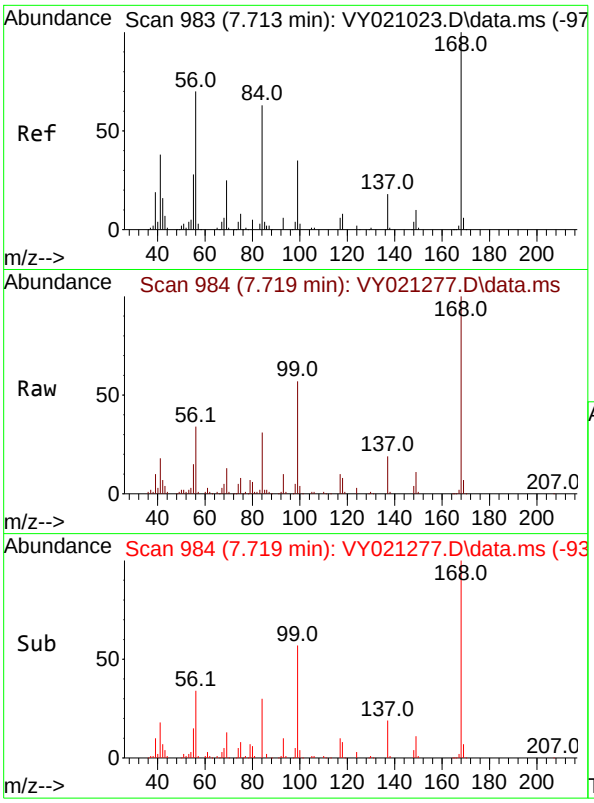
Quant Time: Feb 21 23:05:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

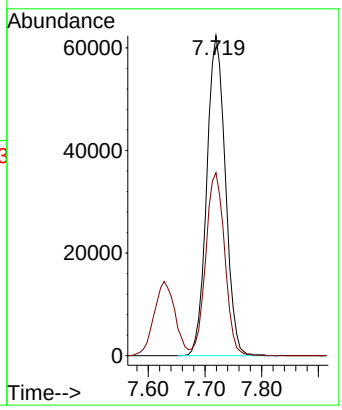





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:168 Resp: 14207

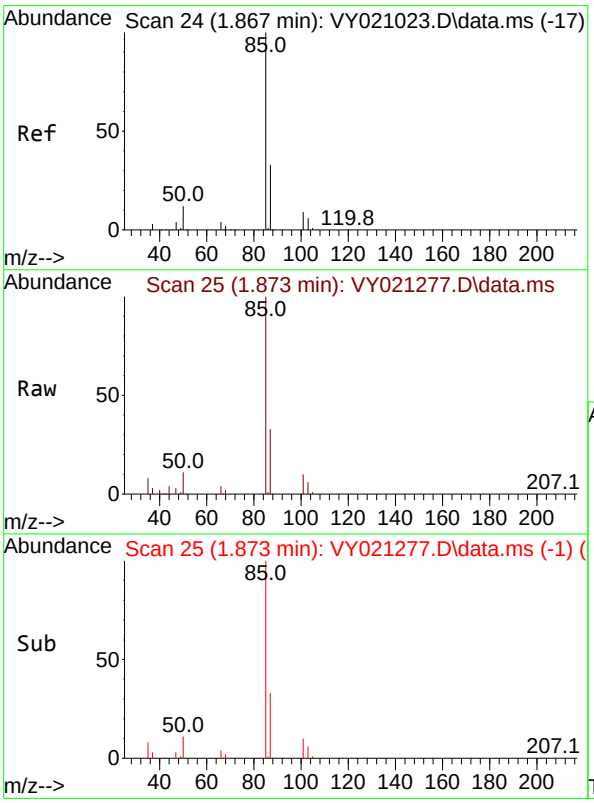
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.2 | 44.2 | 66.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

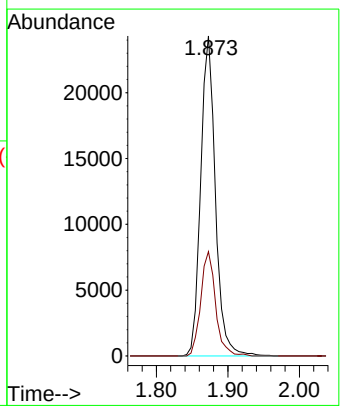
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

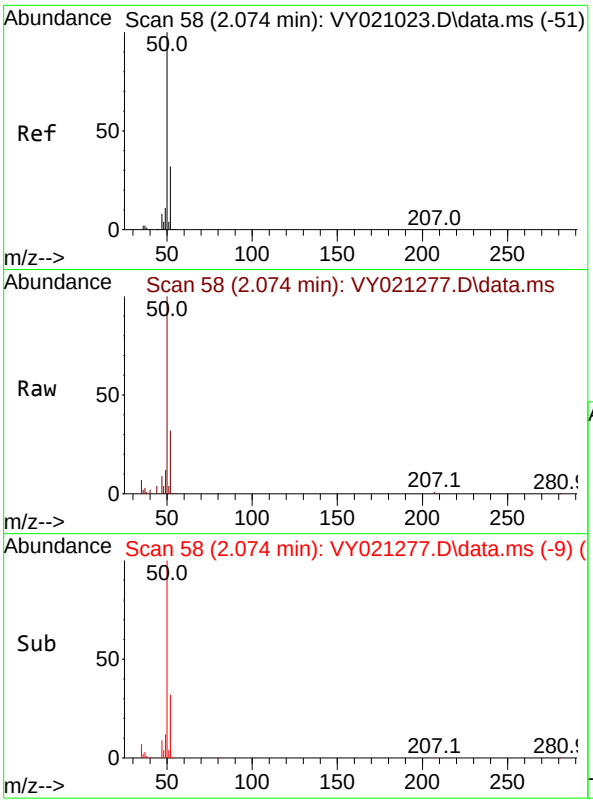



#2
Dichlorodifluoromethane
Concen: 27.437 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 85 Resp: 34744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 17.1 | 51.3 |

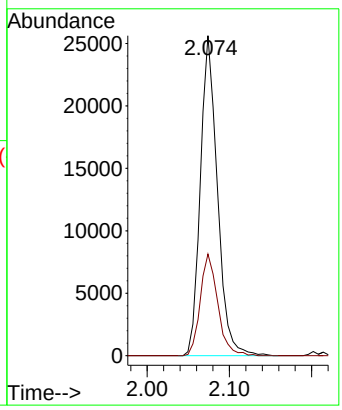





#3
Chloromethane
Concen: 29.526 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 50 Resp: 3689

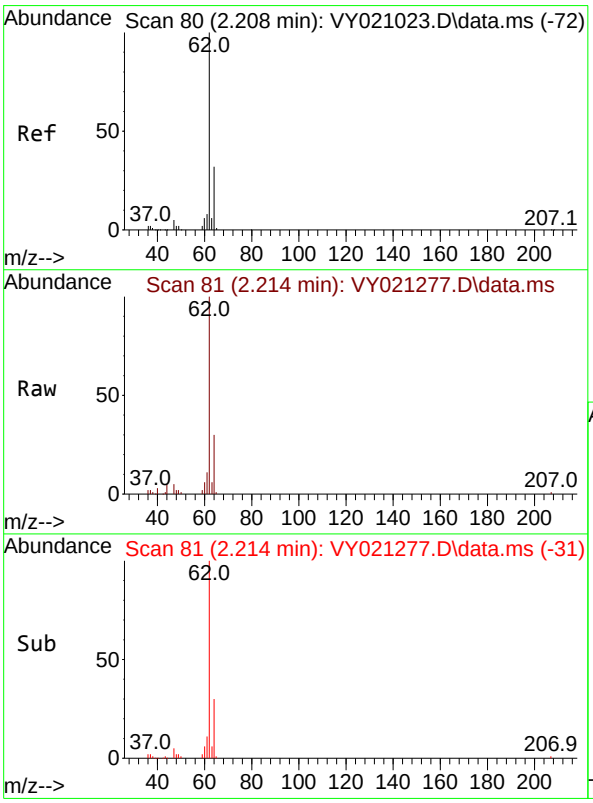
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 26.7 | 40.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

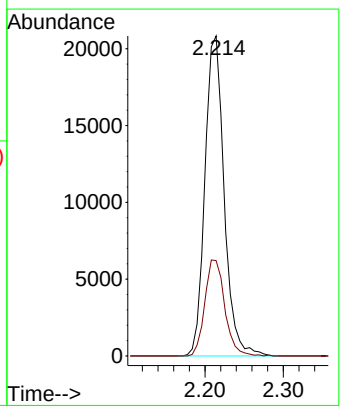
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

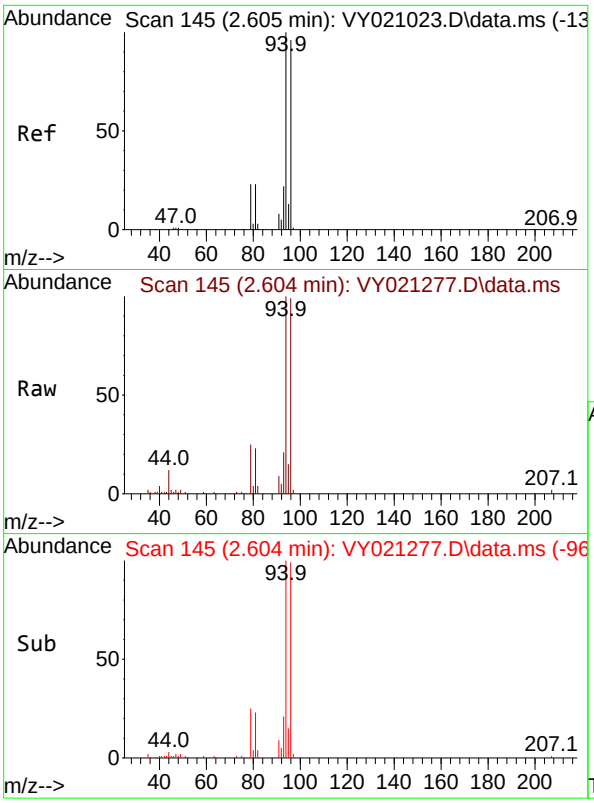



#4
Vinyl Chloride
Concen: 28.175 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 62 Resp: 35436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.8 | 25.7 | 38.5 |

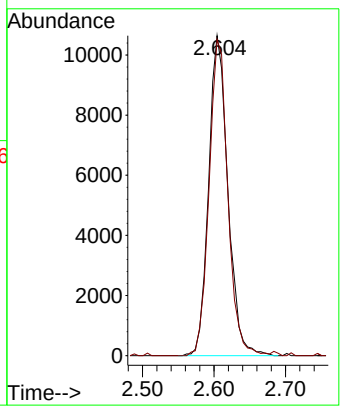





#5
Bromomethane
Concen: 25.614 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 94 Resp: 1991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 98.8 | 77.3 | 115.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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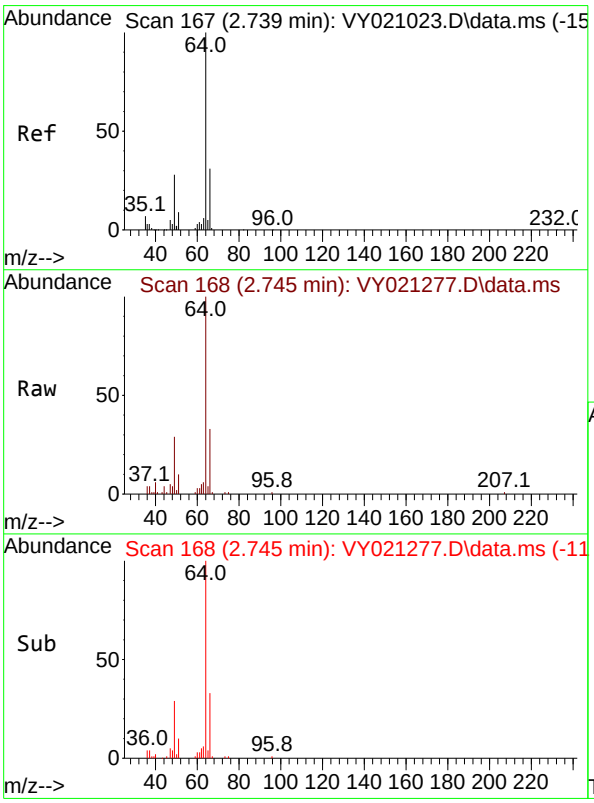
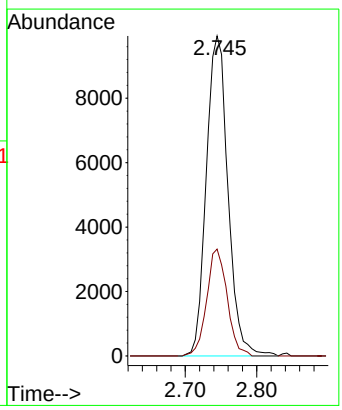
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

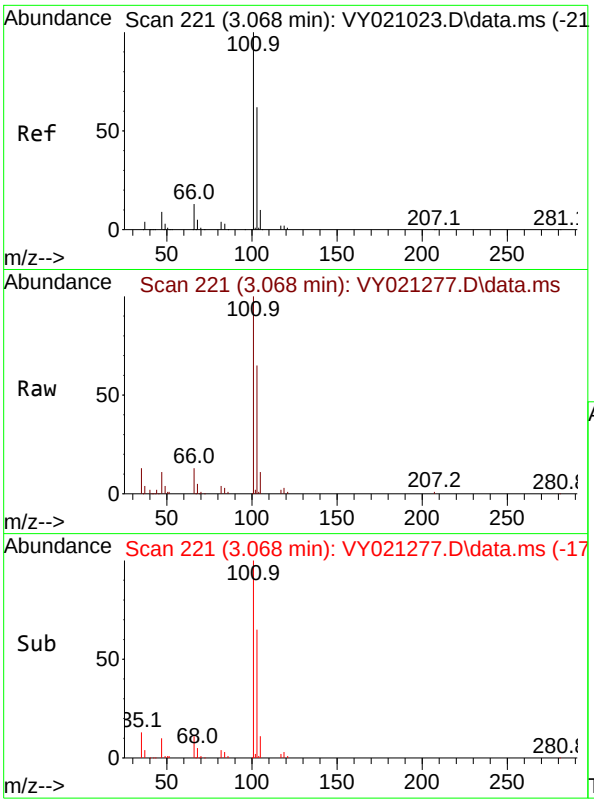



#6
Chloroethane
Concen: 27.909 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 64 Resp: 20895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.4 | 25.1 | 37.7 |

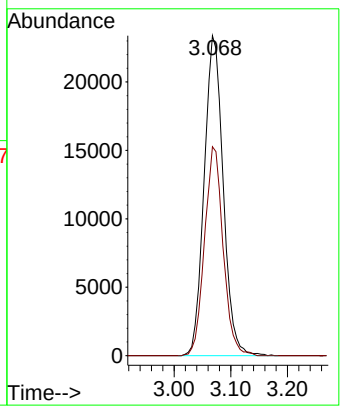





#7
Trichlorofluoromethane
Concen: 23.792 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:101 Resp: 5451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 51.9 | 77.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/24/2025
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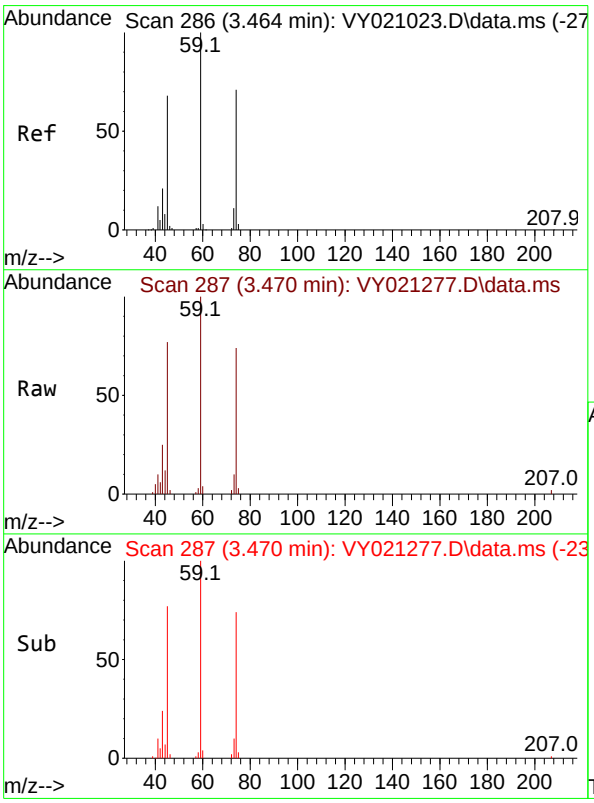
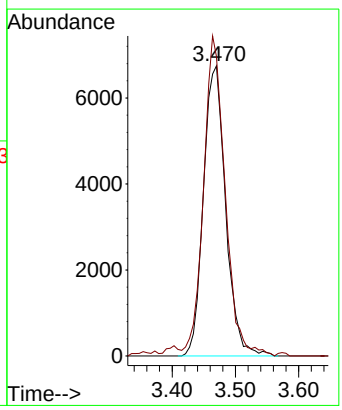
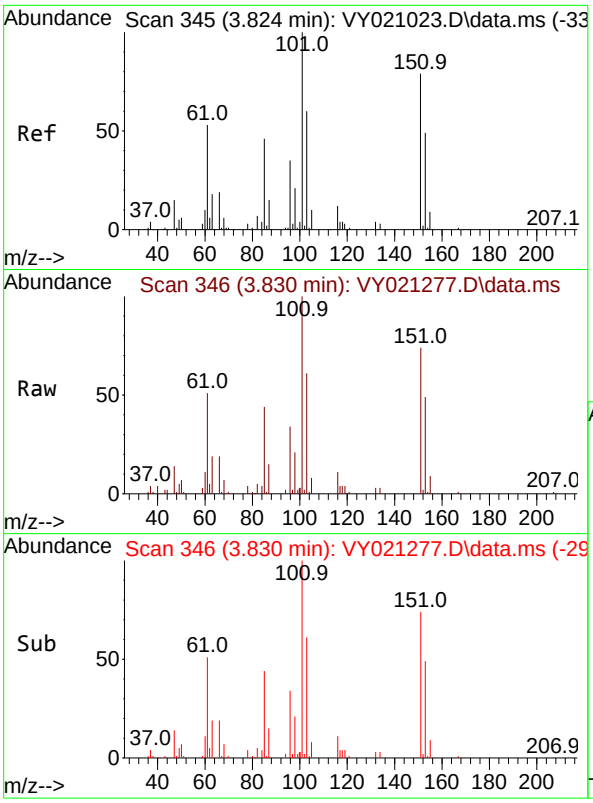



#8
Diethyl Ether
Concen: 23.007 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 74 Resp: 16457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 107.1 | 47.9 | 143.7 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.766 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:101 Resp: 3273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.0 | 35.8 | 53.6 |
| 151 | 77.6 | 58.6 | 88.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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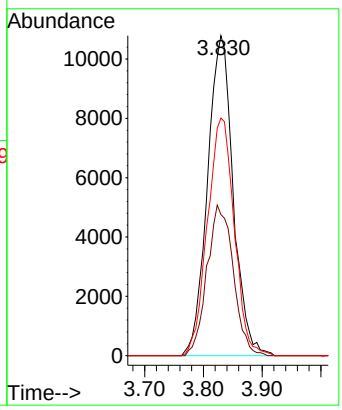
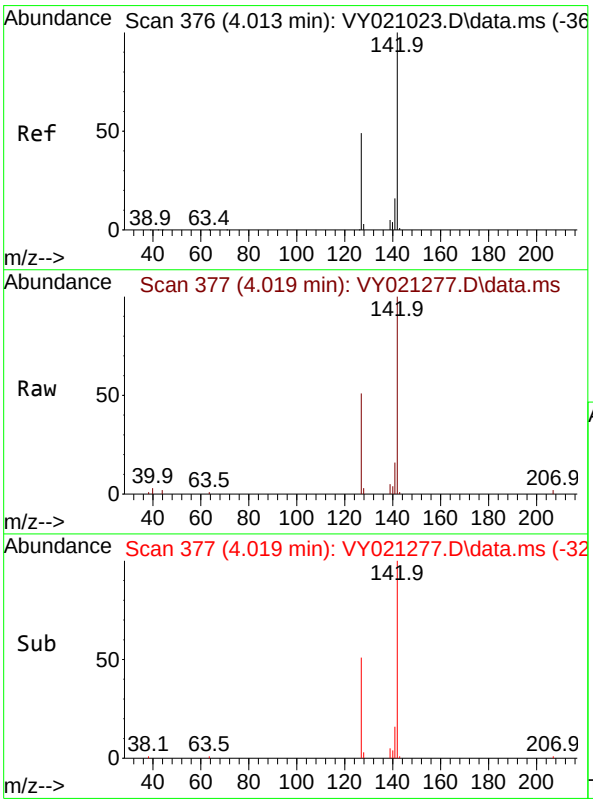
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

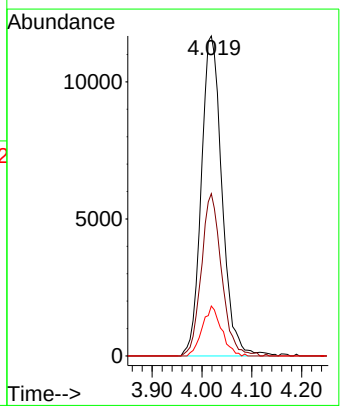


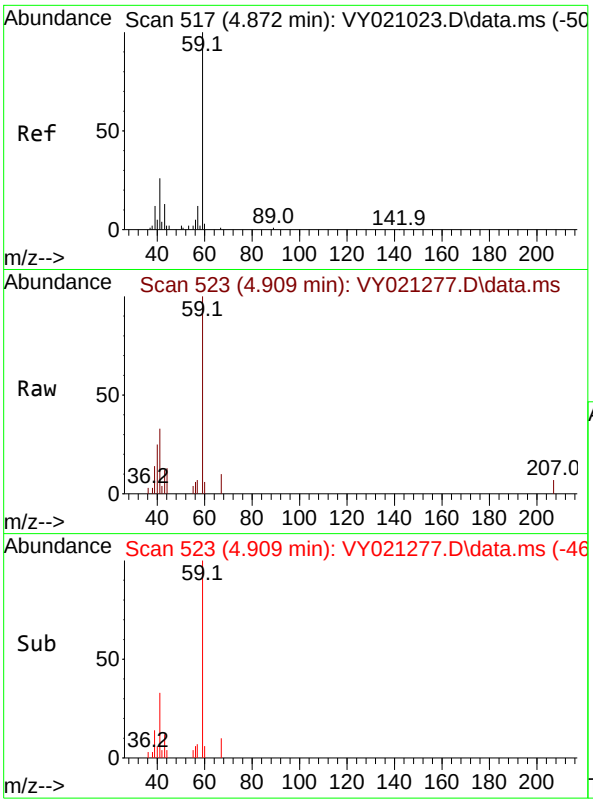




#10
Methyl Iodide
Concen: 21.106 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:142 Resp: 33721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.5 | 35.1 | 52.7 |
| 141 | 14.5 | 11.8 | 17.6 |

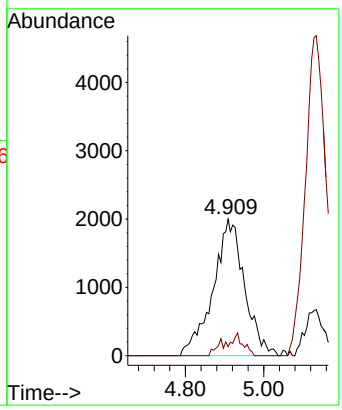





#11
Tert butyl alcohol
Concen: 112.767 ug/l
RT: 4.909 min Scan# 5
Delta R.T. 0.036 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 59 Resp: 1112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.4 | 11.0# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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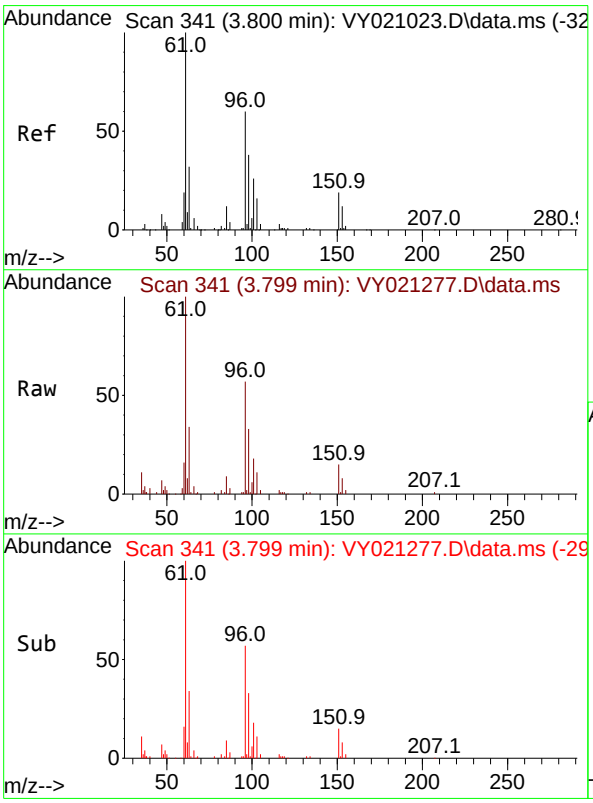
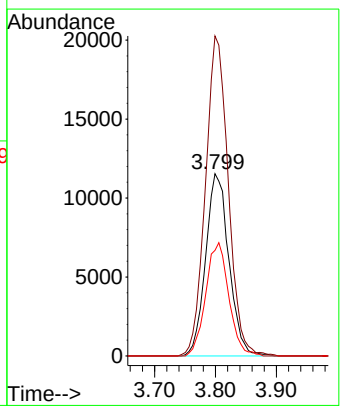
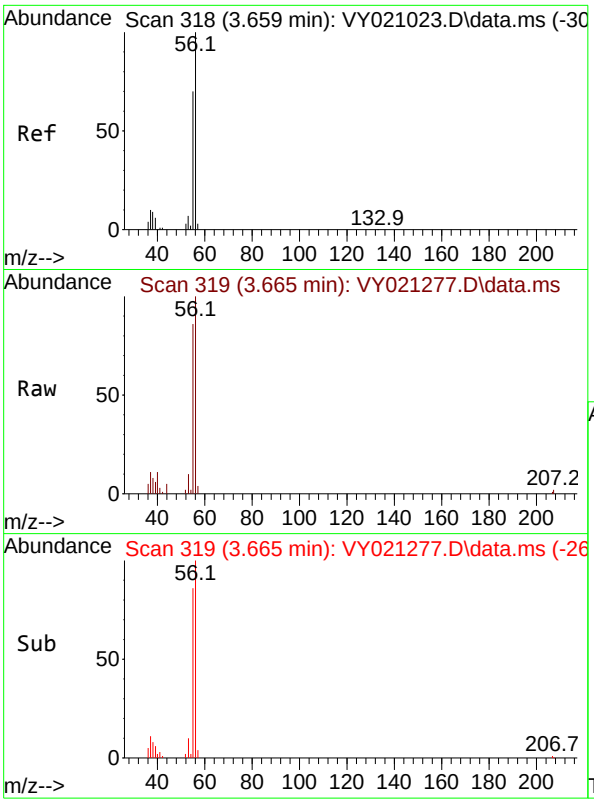



#12
1,1-Dichloroethene
Concen: 22.599 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 96 Resp: 30615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.6 | 124.2 | 186.2 |
| 98 | 58.0 | 52.6 | 79.0 |

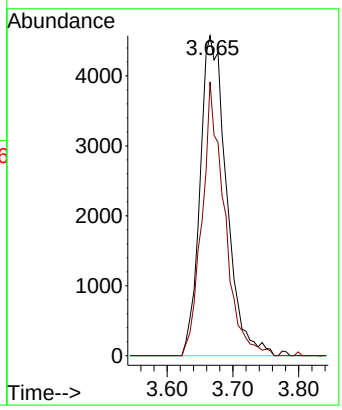





#13
Acrolein
Concen: 84.205 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 56 Resp: 1279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.4 | 55.4 | 83.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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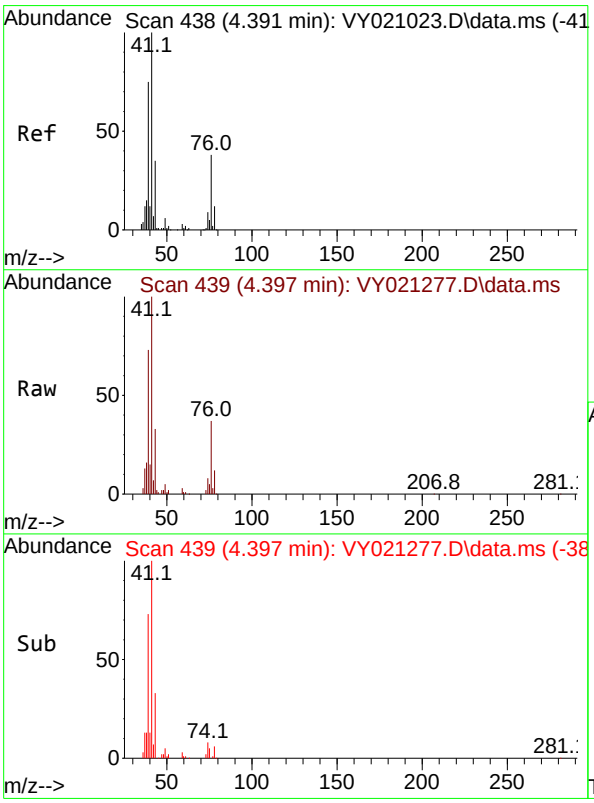
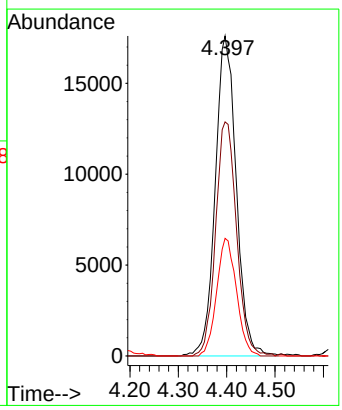
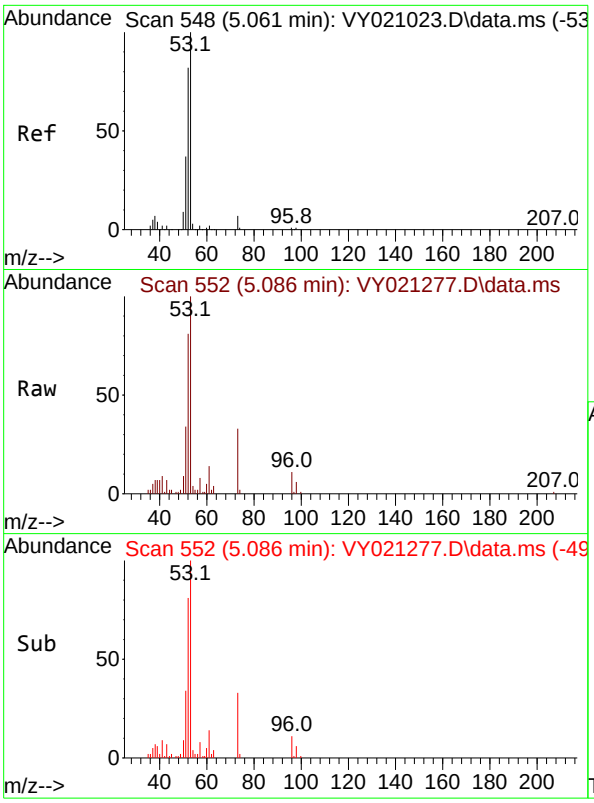



#14
Allyl chloride
Concen: 23.280 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 41 Resp: 53151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.8 | 54.7 | 82.1 |
| 76 | 34.7 | 31.8 | 47.6 |

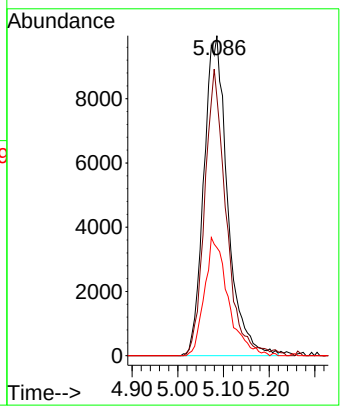





#15
Acrylonitrile
Concen: 120.510 ug/l
RT: 5.086 min Scan# 5
Delta R.T. 0.024 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 53 Resp: 3589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.7 | 65.1 | 97.7 |
| 51 | 36.7 | 29.0 | 43.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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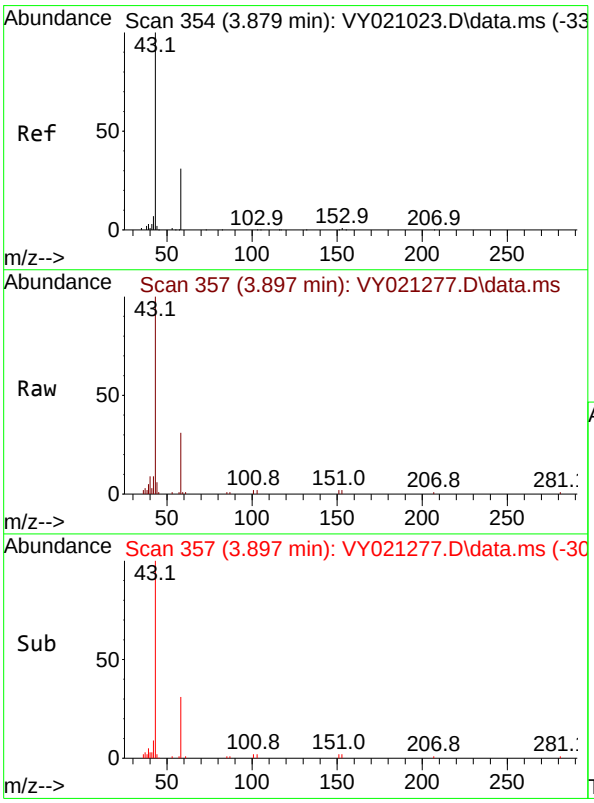
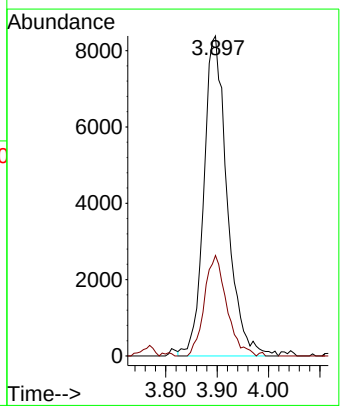
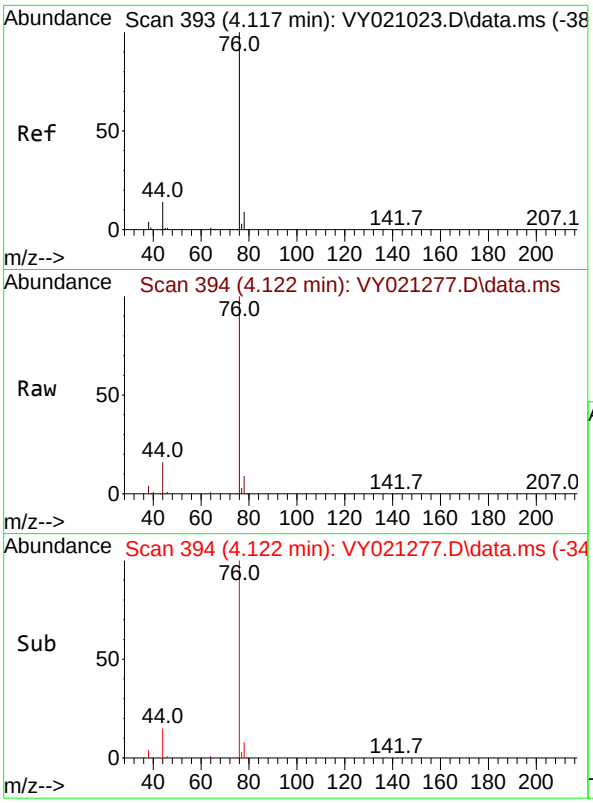



#16
Acetone
Concen: 116.562 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 26461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 26.6 | 39.8 |

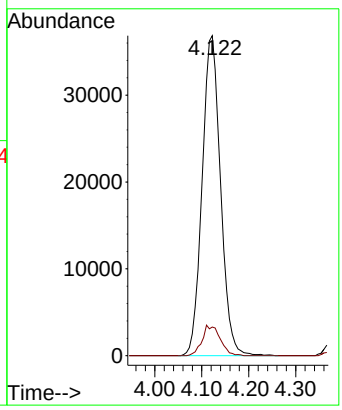





#17
Carbon Disulfide
Concen: 23.585 ug/l
RT: 4.122 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 76 Resp: 10018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.4 | 11.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

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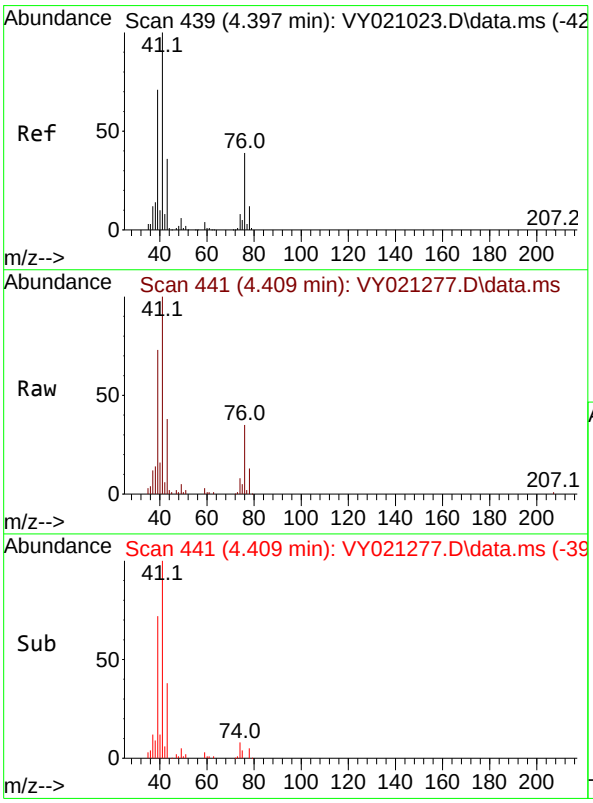
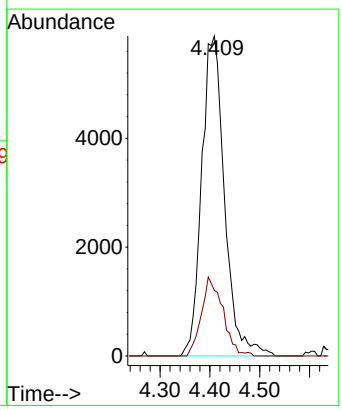
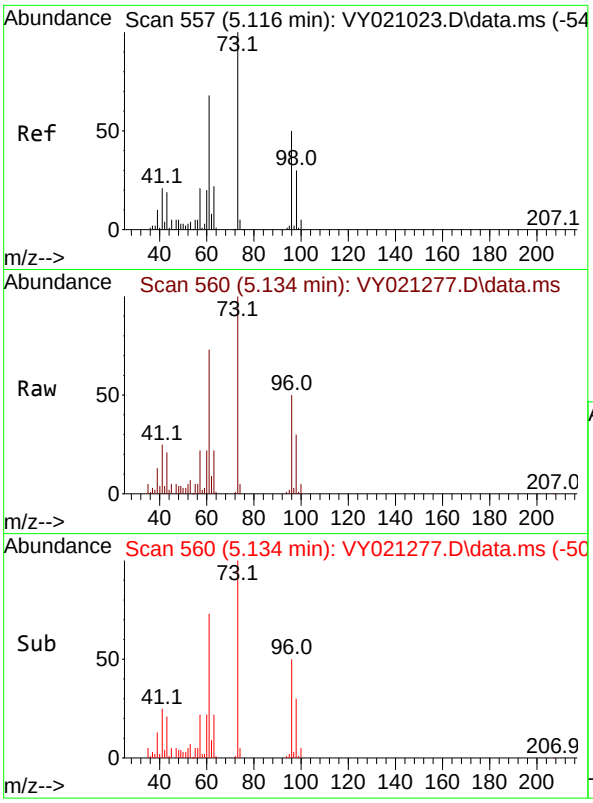



#18
Methyl Acetate
Concen: 23.511 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 18736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.1 | 19.8 | 29.6 |

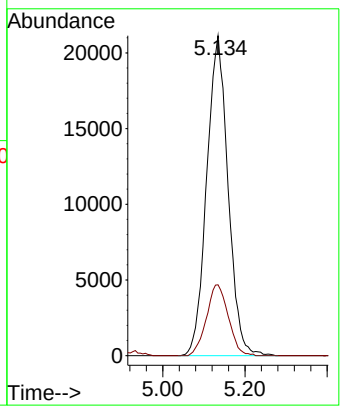





#19
Methyl tert-butyl Ether
Concen: 22.238 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 73 Resp: 7614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.7 | 26.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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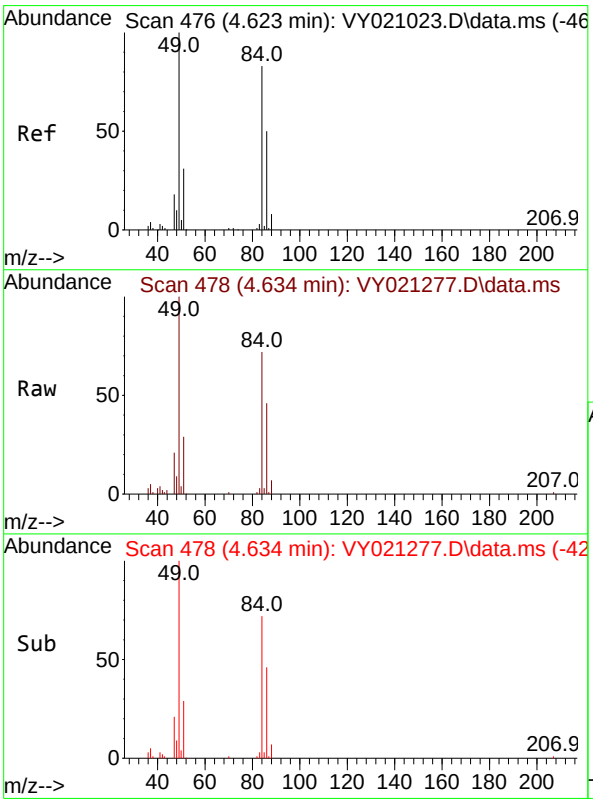
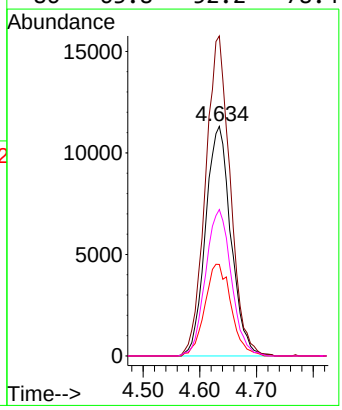
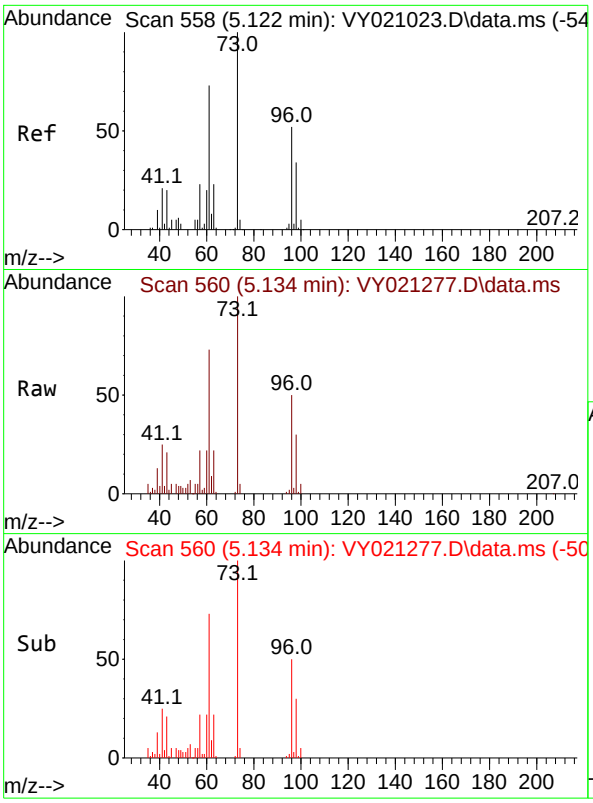



#20
Methylene Chloride
Concen: 24.877 ug/l
RT: 4.634 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 84 Resp: 35107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 139.4 | 95.2 | 142.8 |
| 51 | 39.9 | 29.9 | 44.9 |
| 86 | 63.8 | 52.2 | 78.4 |

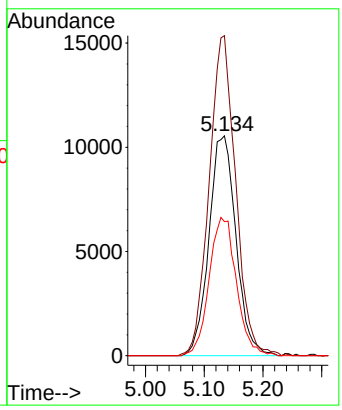





#21
trans-1,2-Dichloroethene
Concen: 22.639 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 96 Resp: 3375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.5 | 104.6 | 156.8 |
| 98 | 61.0 | 50.9 | 76.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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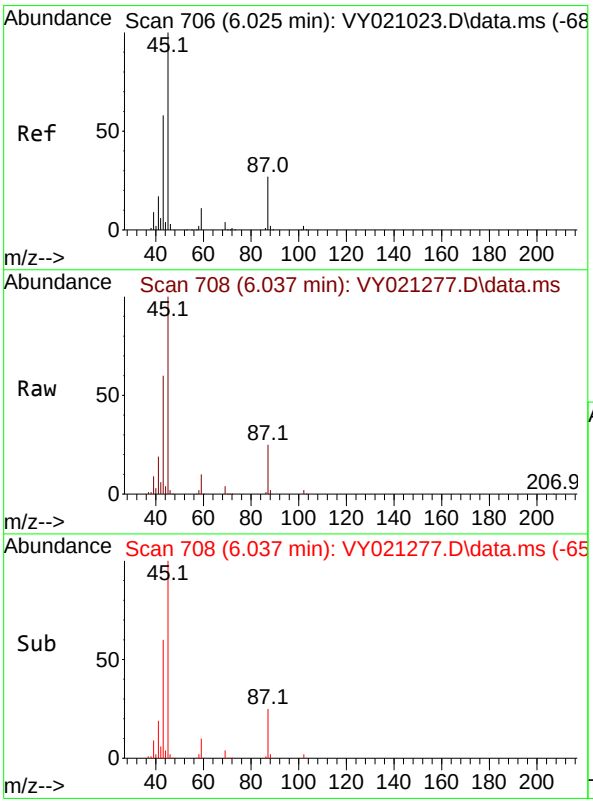
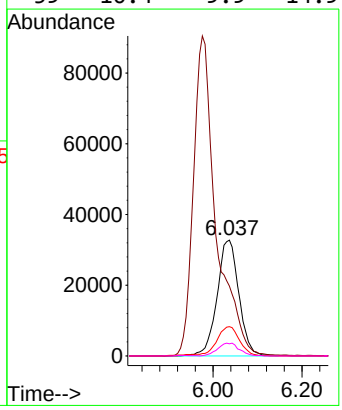
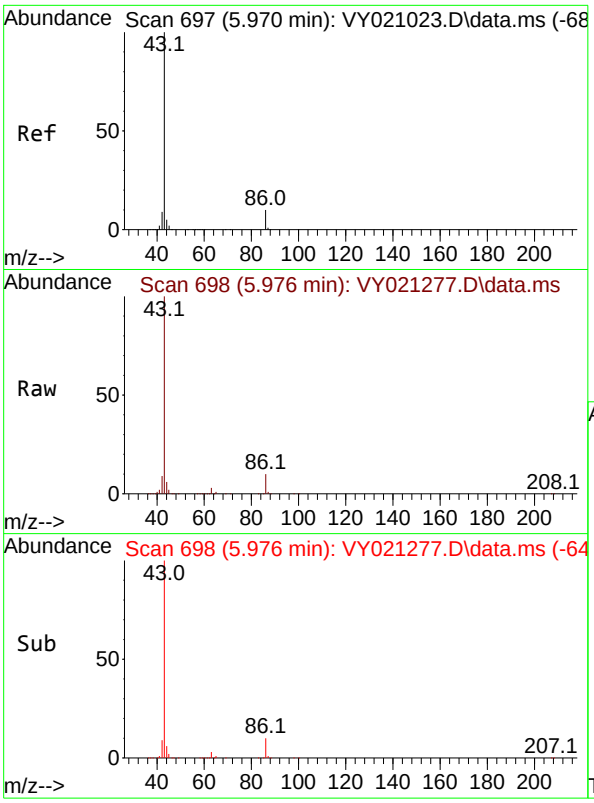



#22
Diisopropyl ether
Concen: 23.651 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 45 Resp: 111301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 59.5 | 46.8 | 70.2 |
| 87 | 25.3 | 22.2 | 33.2 |
| 59 | 10.4 | 9.9 | 14.9 |

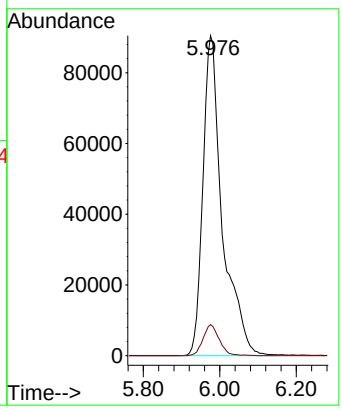





#23
Vinyl Acetate
Concen: 121.879 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 31973

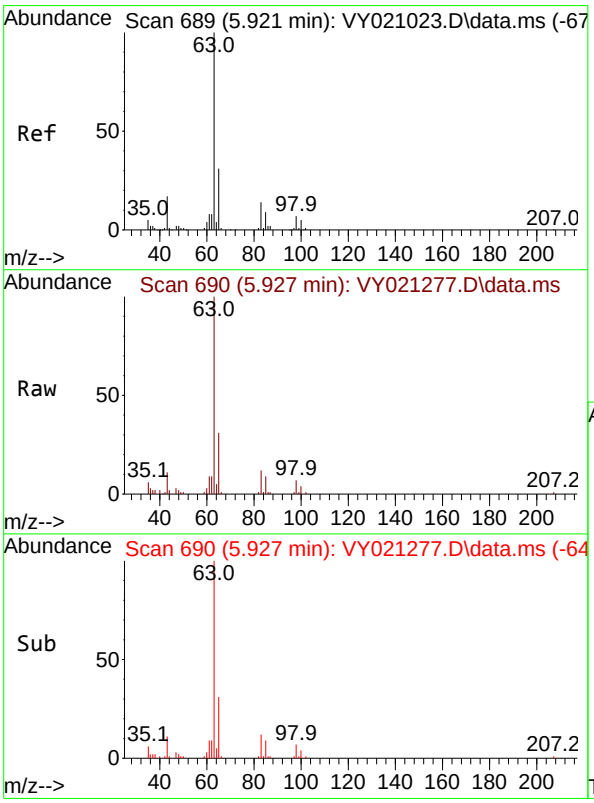
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.7 | 8.6 | 13.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

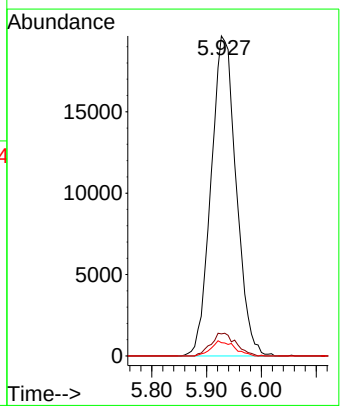
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

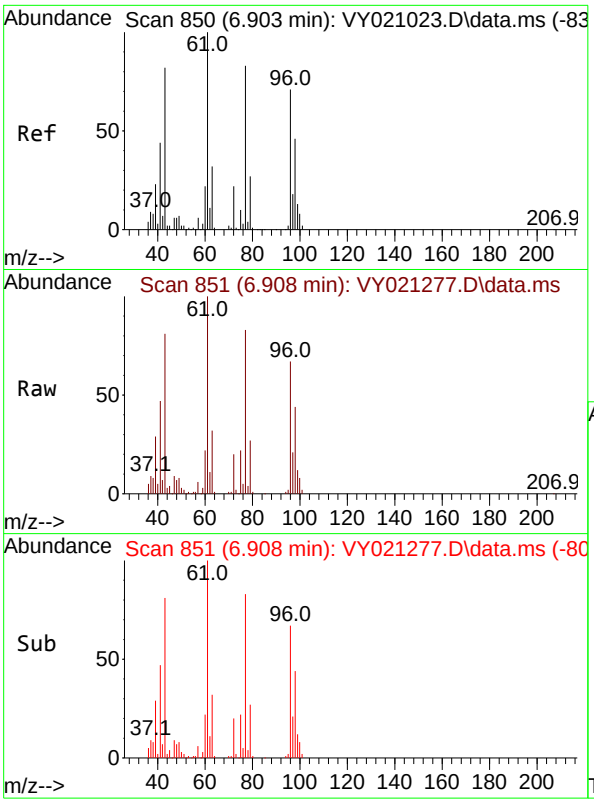



#24
1,1-Dichloroethane
Concen: 22.697 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 63 Resp: 62579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 3.8 | 11.4 |
| 100 | 4.2 | 2.1 | 6.2 |






#25
2-Butanone
Concen: 121.018 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 4514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 21.4 | 32.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/24/2025
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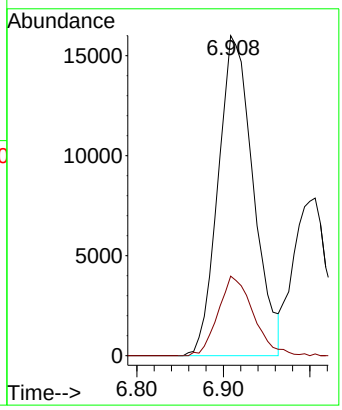
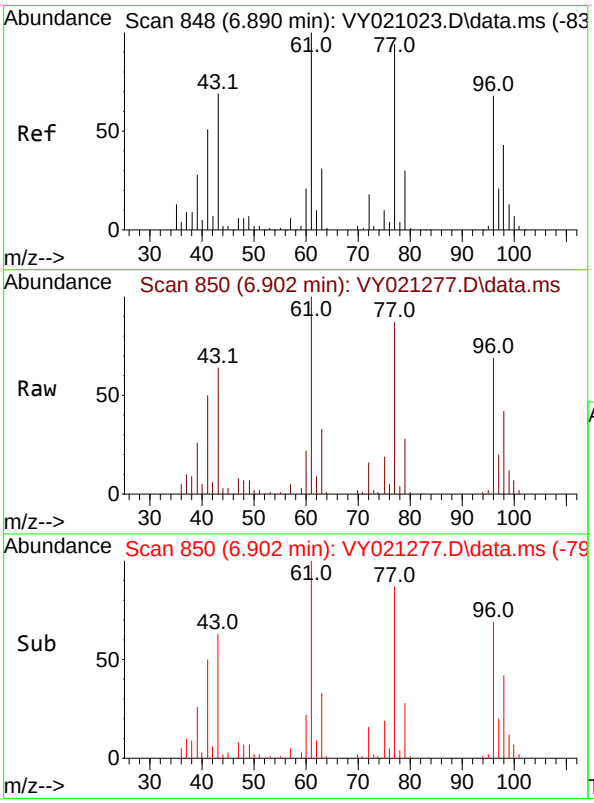
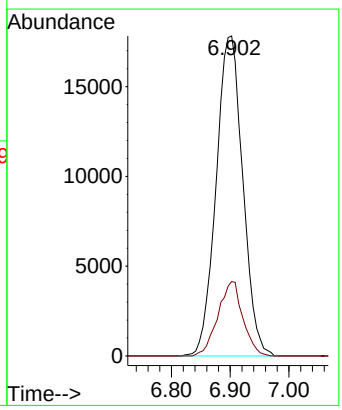


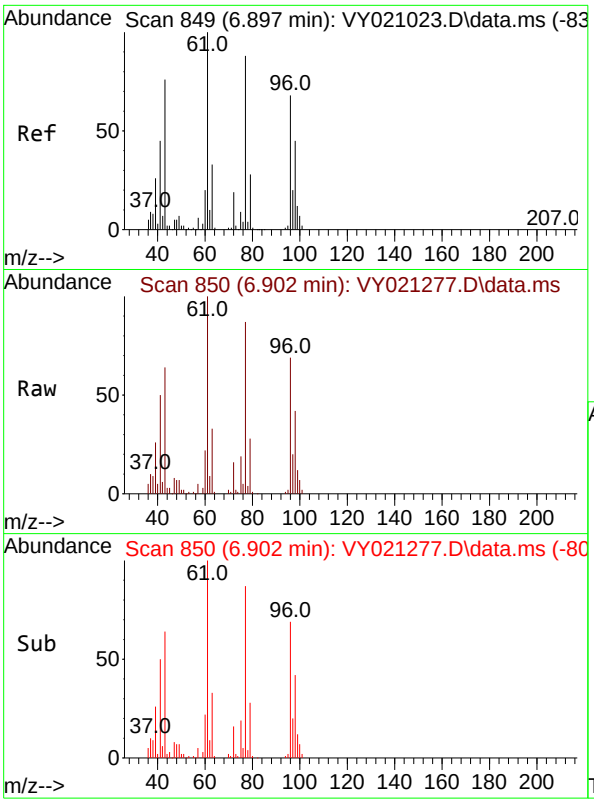




#26
2,2-Dichloropropane
Concen: 22.020 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 77 Resp: 56177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 11.7 | 35.0 |

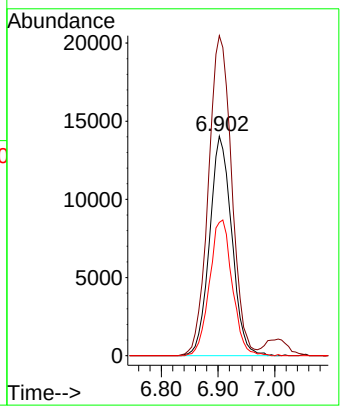





#27
cis-1,2-Dichloroethene
Concen: 22.234 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 96 Resp: 3816

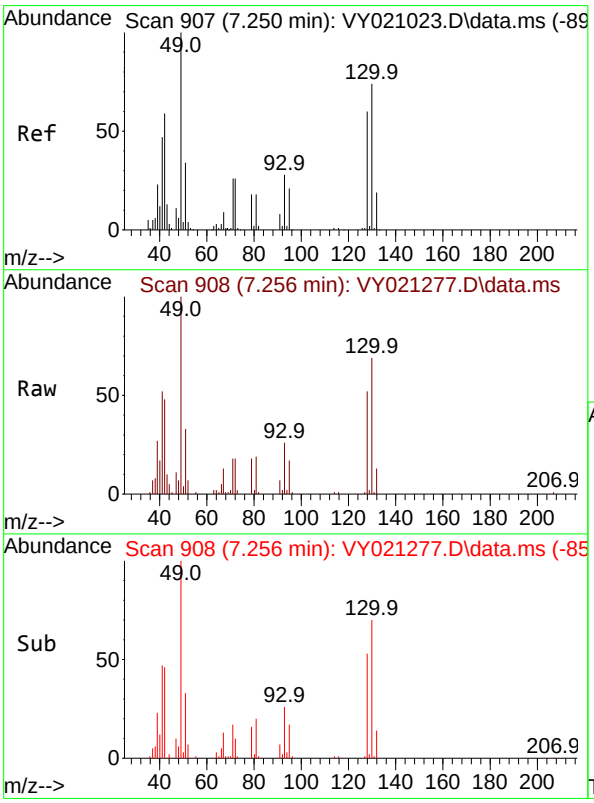
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.9 | 0.0 | 278.8 |
| 98 | 63.3 | 0.0 | 127.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

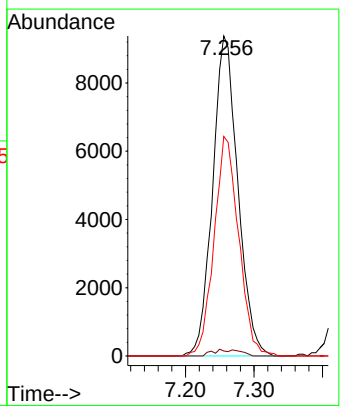
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

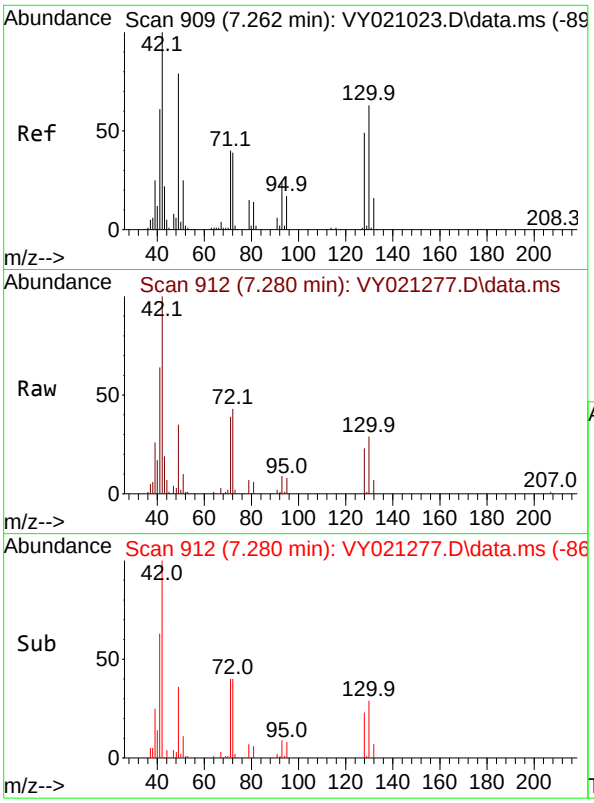



#28
Bromochloromethane
Concen: 21.942 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 49 Resp: 23922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.2 | 0.0 | 3.8 |
| 130 | 67.0 | 59.8 | 89.8 |

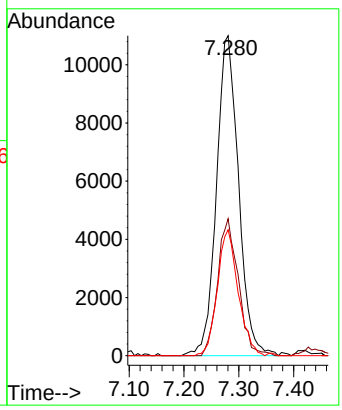





#29
Tetrahydrofuran
Concen: 122.151 ug/l
RT: 7.280 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 42 Resp: 3083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.2 | 36.6 | 54.8 |
| 71 | 37.1 | 33.8 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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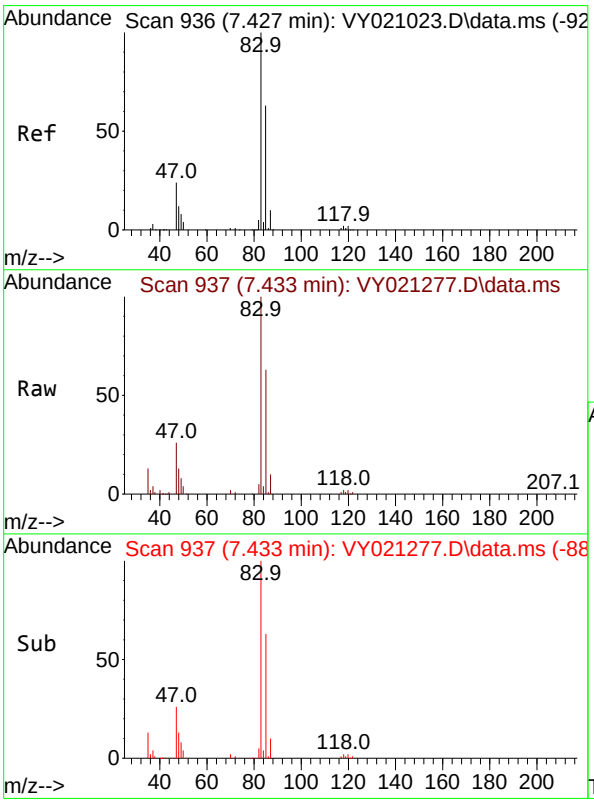
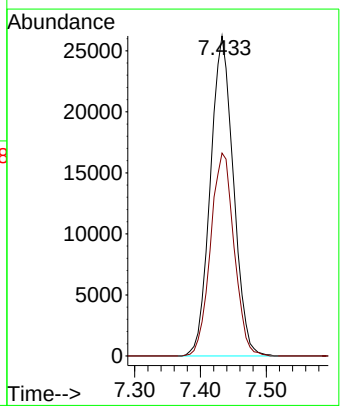
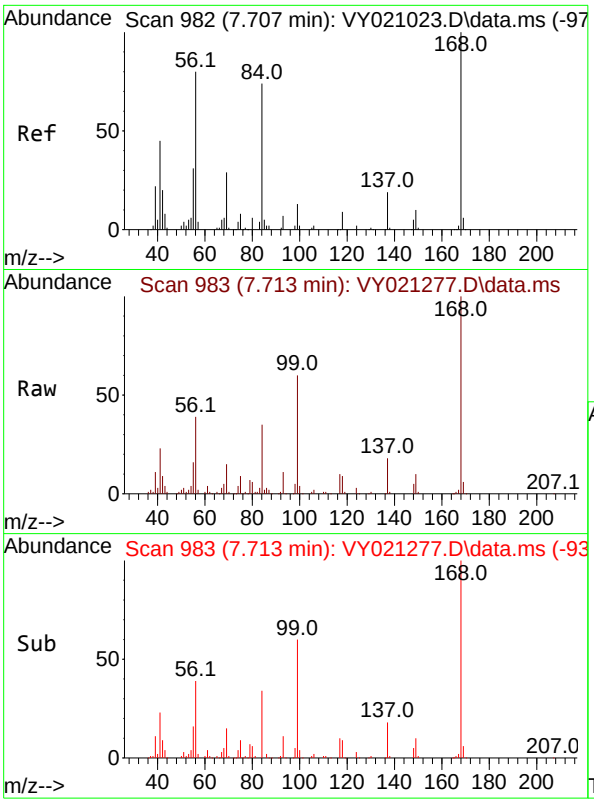



#30
Chloroform
Concen: 22.575 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 83 Resp: 63933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 51.2 | 76.8 |






#31
Cyclohexane
Concen: 22.802 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 56 Resp: 5661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 38.8 | 27.0 | 40.6 |
| 84 | 86.5 | 71.8 | 107.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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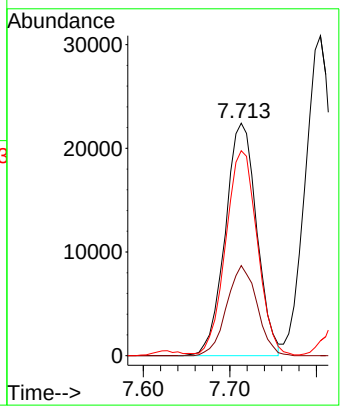
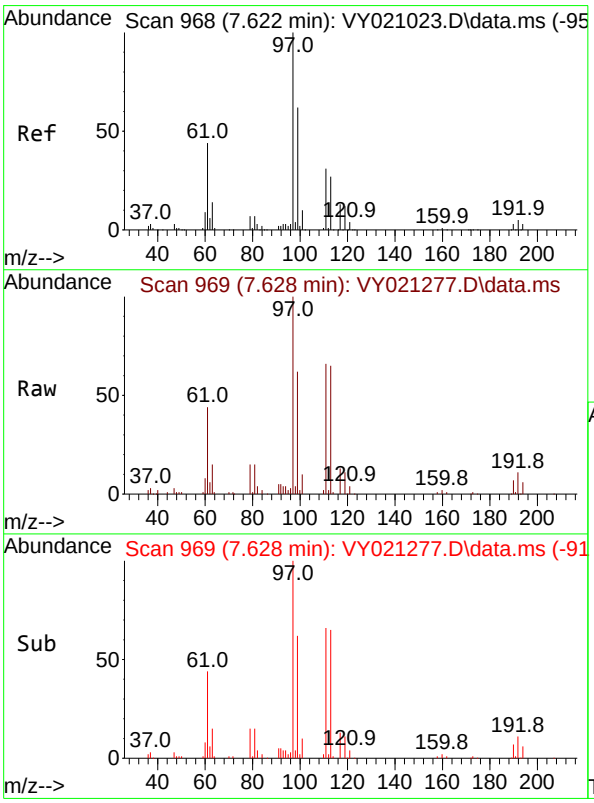
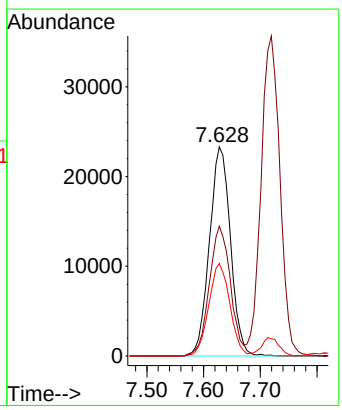


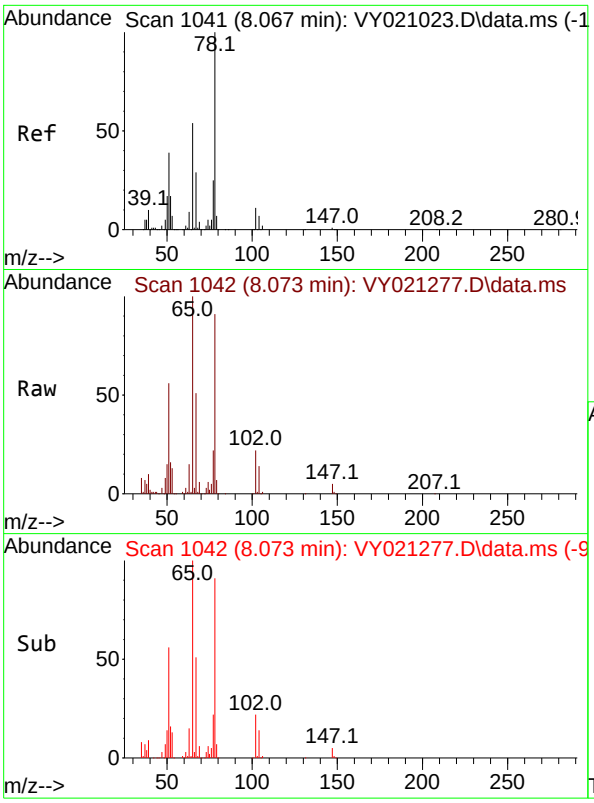




#32
1,1,1-Trichloroethane
Concen: 22.806 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 97 Resp: 60049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.0 | 51.2 | 76.8 |
| 61 | 44.4 | 35.0 | 52.6 |

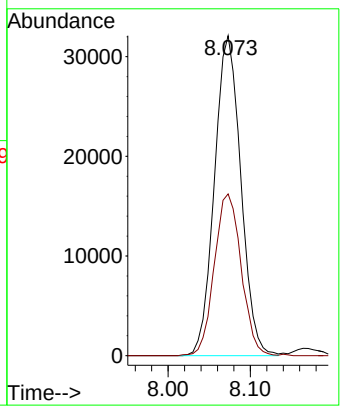





#33
1,2-Dichloroethane-d4
Concen: 49.241 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 65 Resp: 7168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 109.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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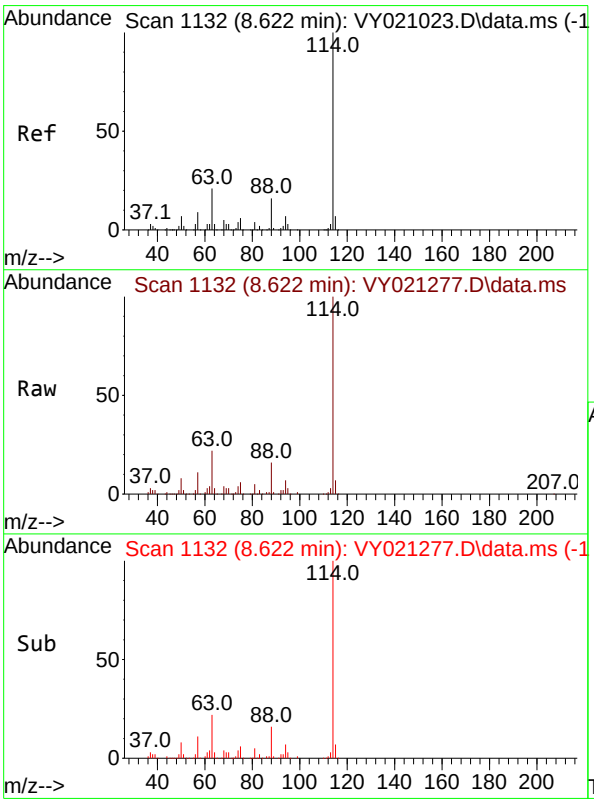
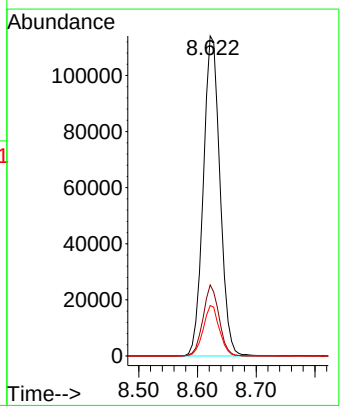
Supervised By :Mahesh Dadoda 02/24/2025

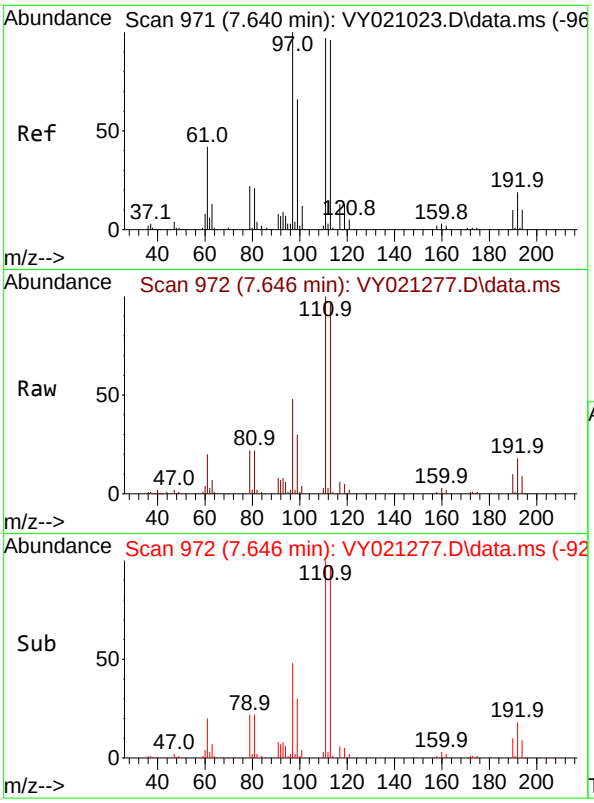



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:114 Resp: 225088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.2 | 0.0 | 37.4 |
| 88 | 15.8 | 0.0 | 29.0 |

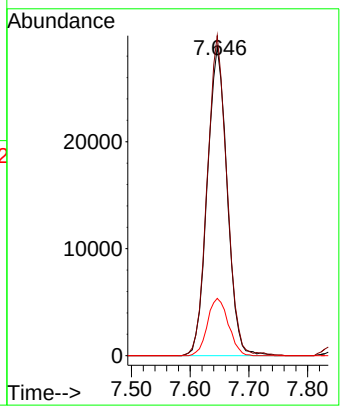





#35
Dibromofluoromethane
Concen: 47.035 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:113 Resp: 6784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 83.8 | 125.6 |
| 192 | 19.5 | 14.5 | 21.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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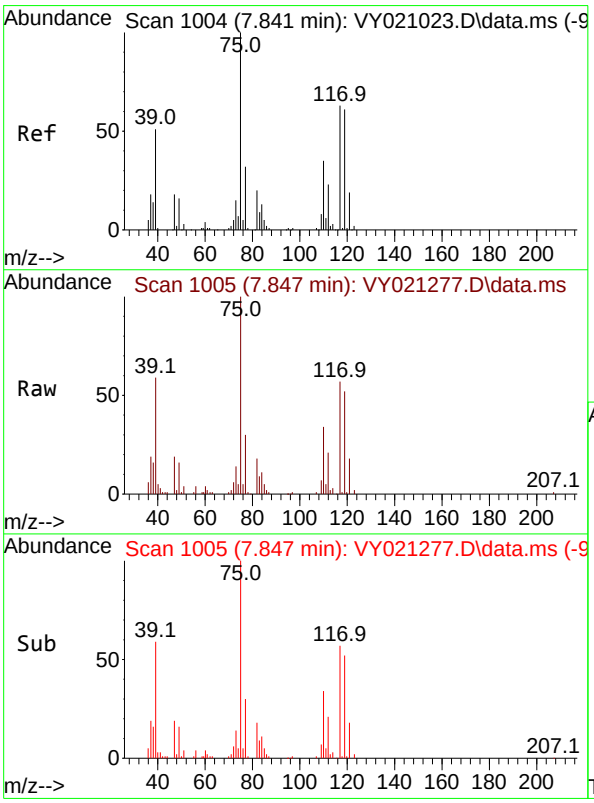
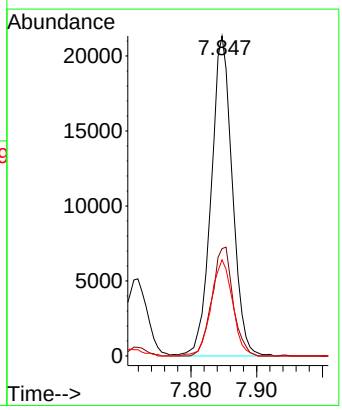
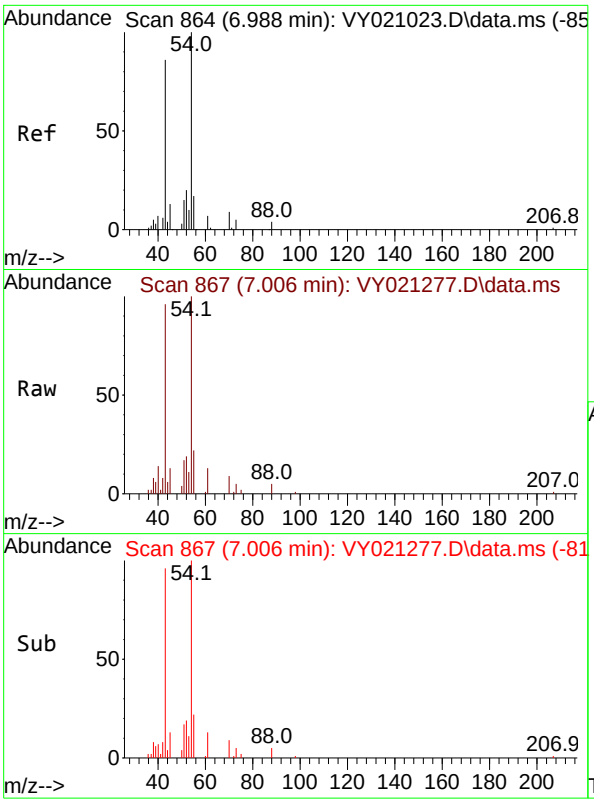



#36
1,1-Dichloropropene
Concen: 22.343 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 75 Resp: 47738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.0 | 17.4 | 52.3 |
| 77 | 30.5 | 24.7 | 37.1 |






#37
Ethyl Acetate
Concen: 23.817 ug/l
RT: 7.006 min Scan# 8
Delta R.T. 0.018 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 2232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.7 | 11.0 | 16.6 |
| 70 | 9.8 | 8.1 | 12.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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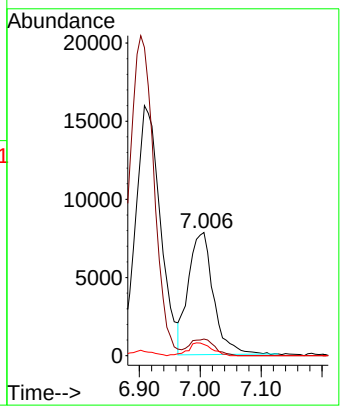
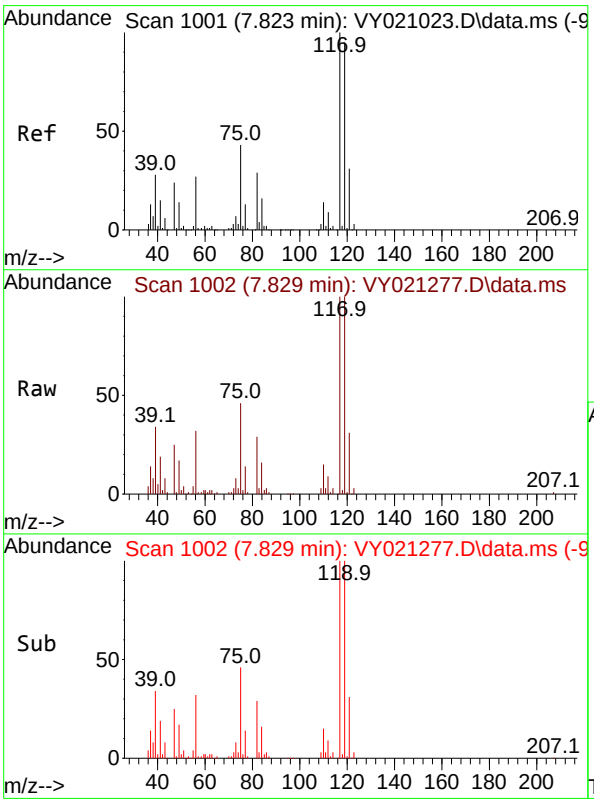
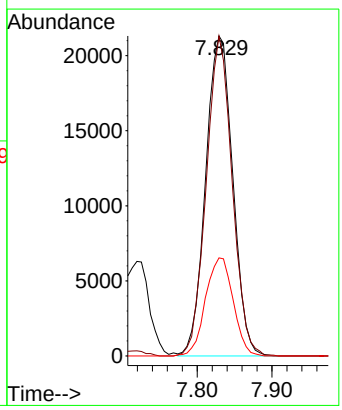


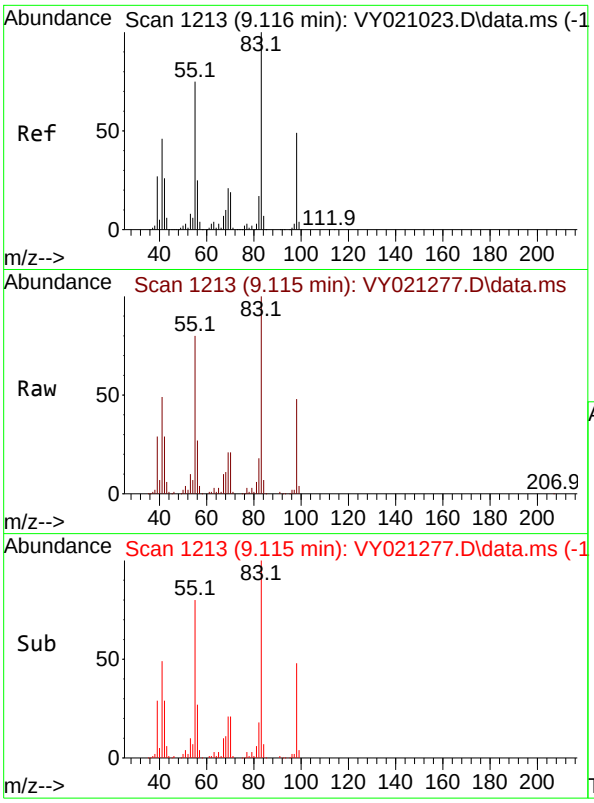




#38
Carbon Tetrachloride
Concen: 21.549 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:117 Resp: 53797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.9 | 76.0 | 114.0 |
| 121 | 30.7 | 24.2 | 36.2 |






#39
Methylcyclohexane
Concen: 22.168 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 83 Resp: 5793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.2 | 59.7 | 89.5 |
| 98 | 47.7 | 38.0 | 57.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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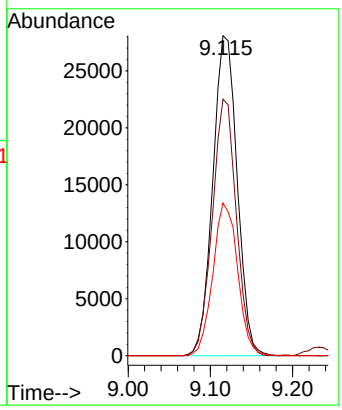
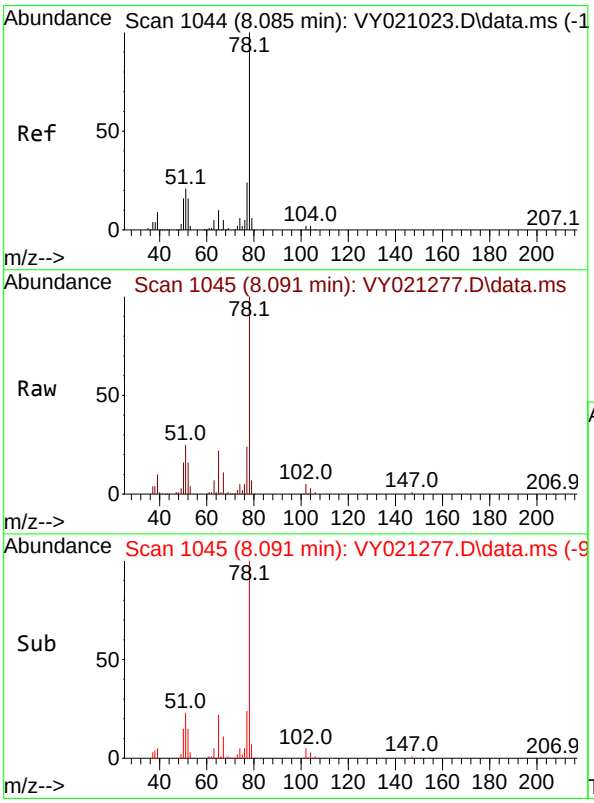
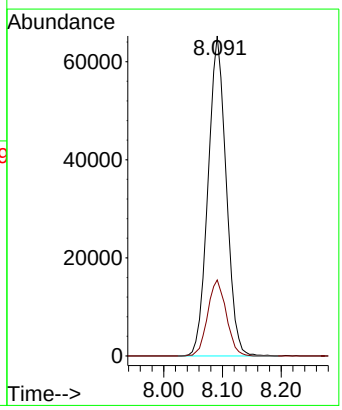


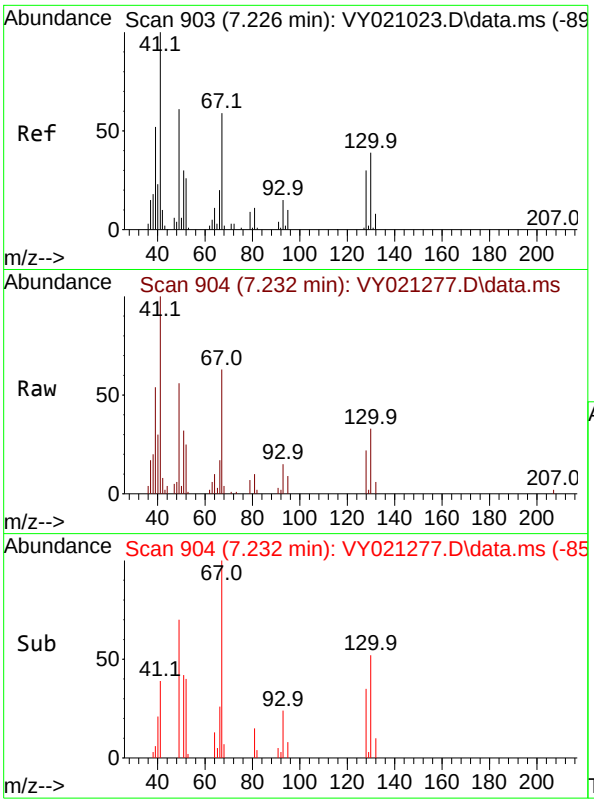




#40
Benzene
Concen: 22.315 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 78 Resp: 139916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 18.8 | 28.2 |

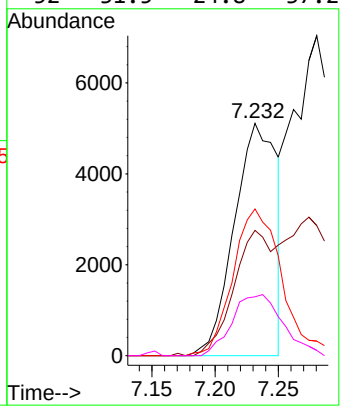





#41
Methacrylonitrile
Concen: 21.934 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 41 Resp: 1189

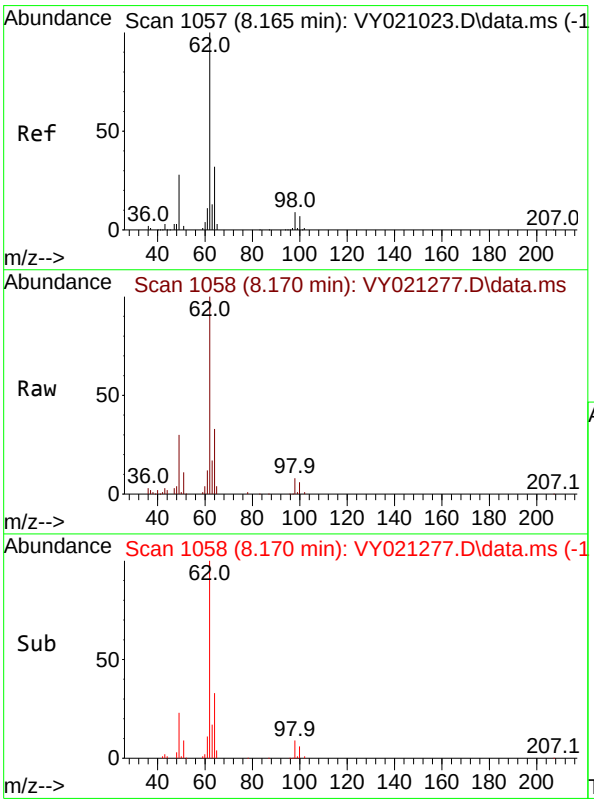
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 46.4 | 41.9 | 62.9 |
| 67 | 73.4 | 59.8 | 89.6 |
| 52 | 31.5 | 24.8 | 37.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

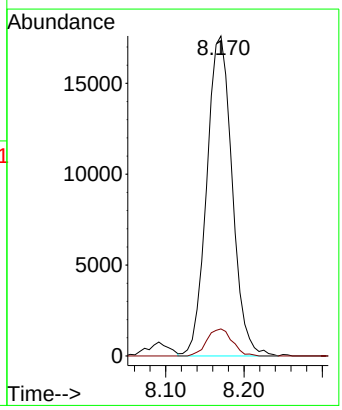
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

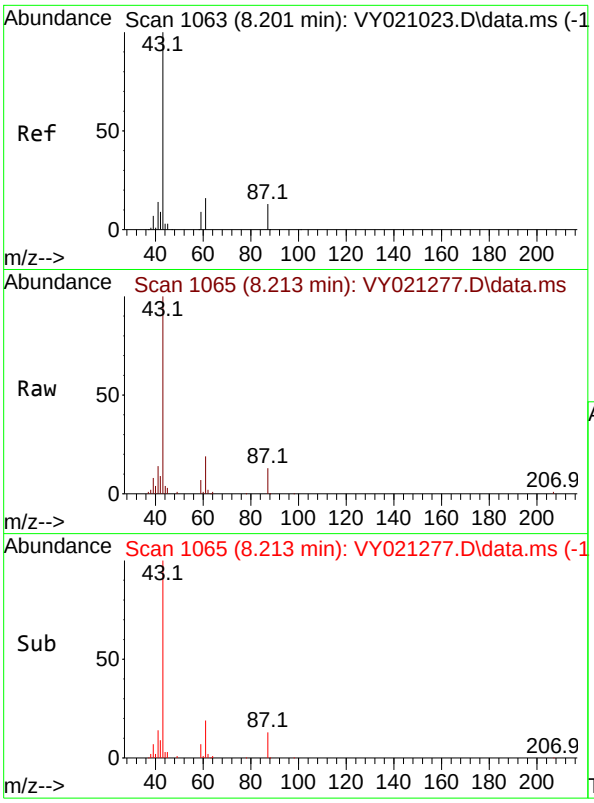



#42
1,2-Dichloroethane
Concen: 22.843 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 62 Resp: 39732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.4 | 0.0 | 20.2 |

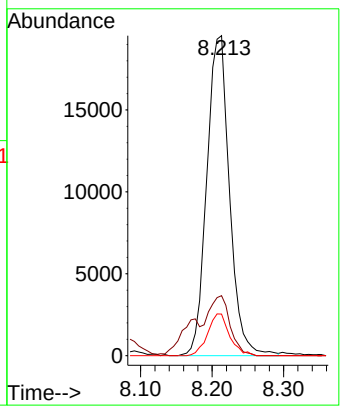





#43
Isopropyl Acetate
Concen: 23.171 ug/l
RT: 8.213 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 4315

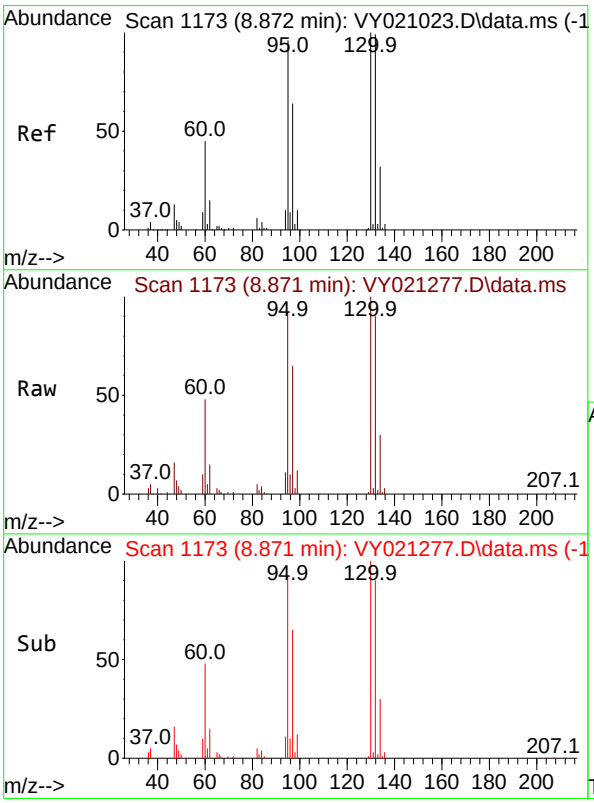
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.6 | 24.8 | 37.2 |
| 87 | 12.6 | 10.7 | 16.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

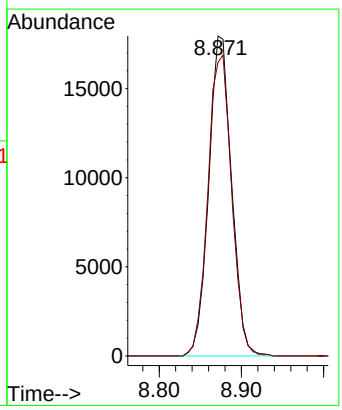
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

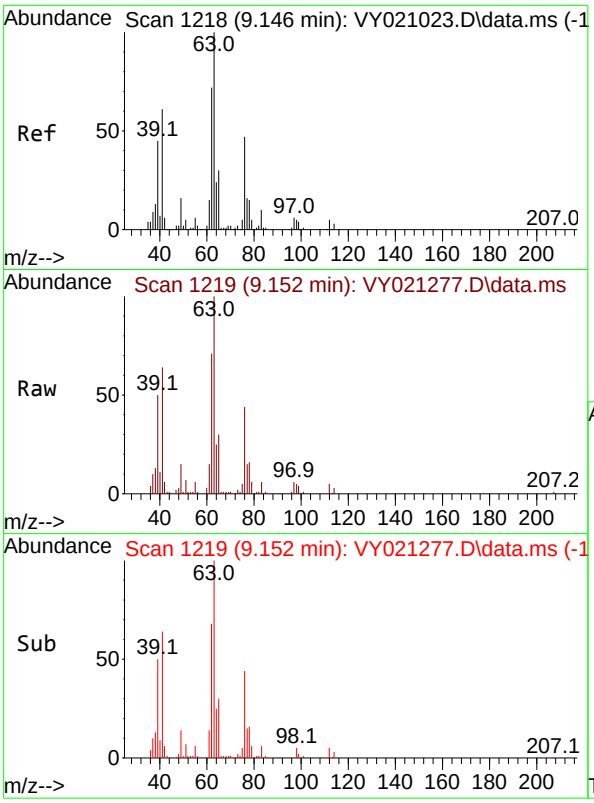



#44
Trichloroethene
Concen: 21.370 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:130 Resp: 34619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 91.8 | 0.0 | 203.8 |

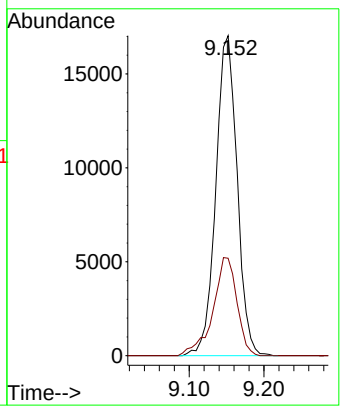





#45
1,2-Dichloropropane
Concen: 22.681 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 63 Resp: 3375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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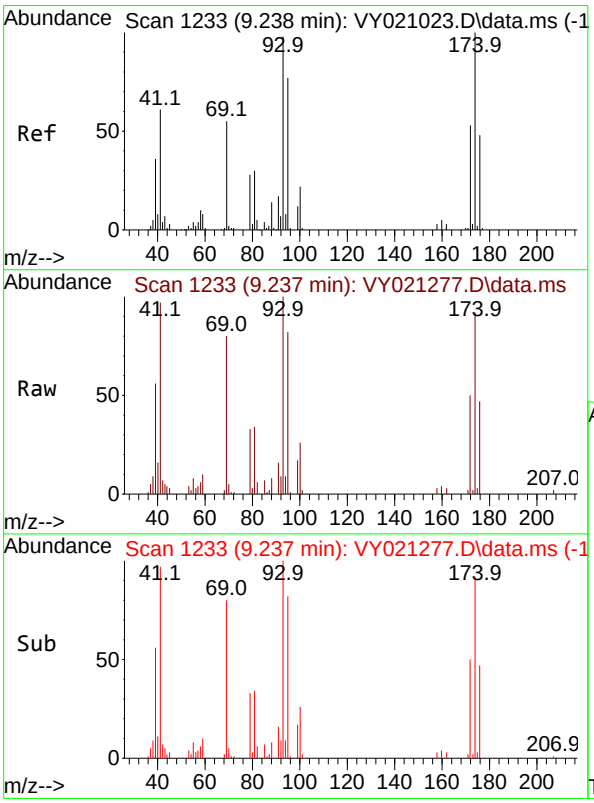
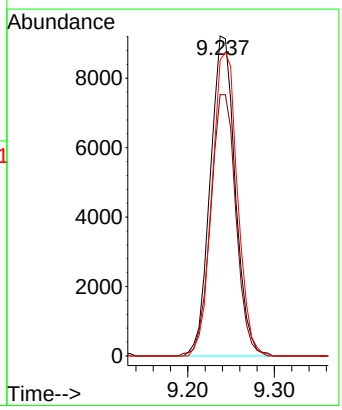
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

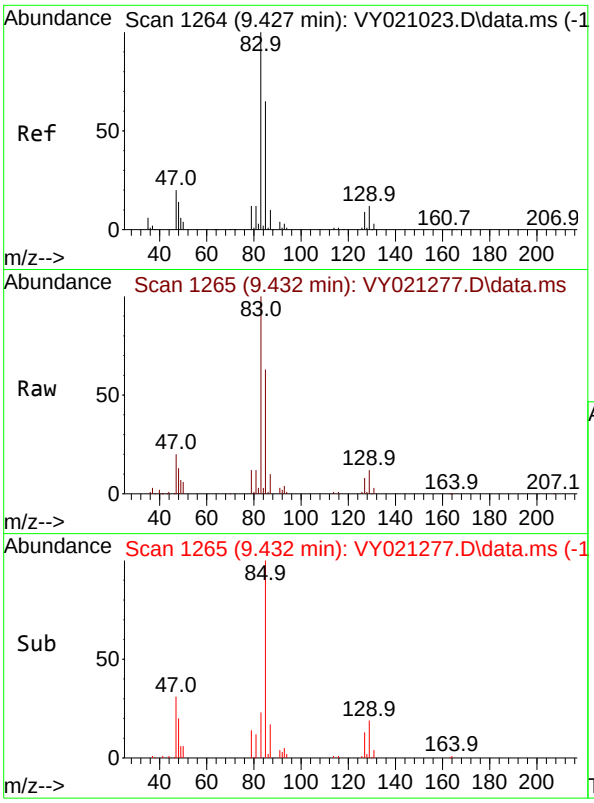



#46
Dibromomethane
Concen: 22.354 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 93 Resp: 18420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.6 | 66.6 | 99.8 |
| 174 | 96.6 | 73.8 | 110.6 |

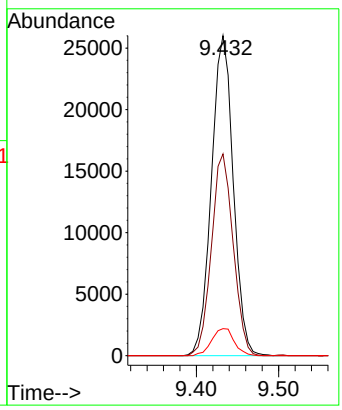





#47
Bromodichloromethane
Concen: 21.684 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 83 Resp: 4792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 53.2 | 79.8 |
| 127 | 8.4 | 6.4 | 9.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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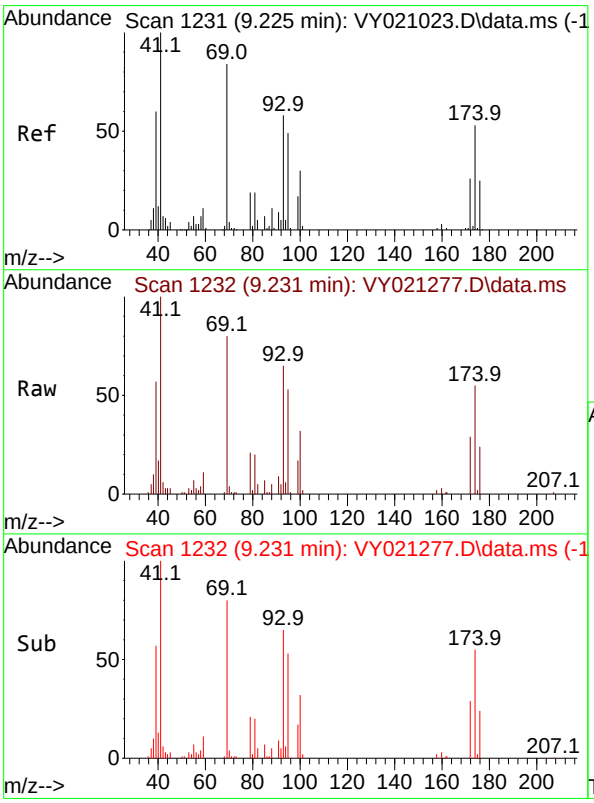
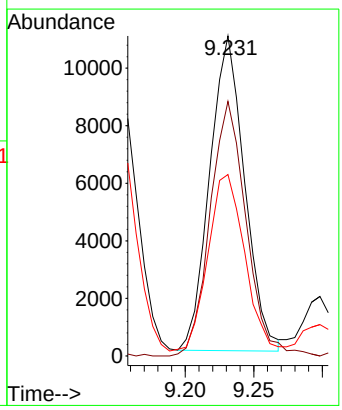
Supervised By :Mahesh Dadoda 02/24/2025

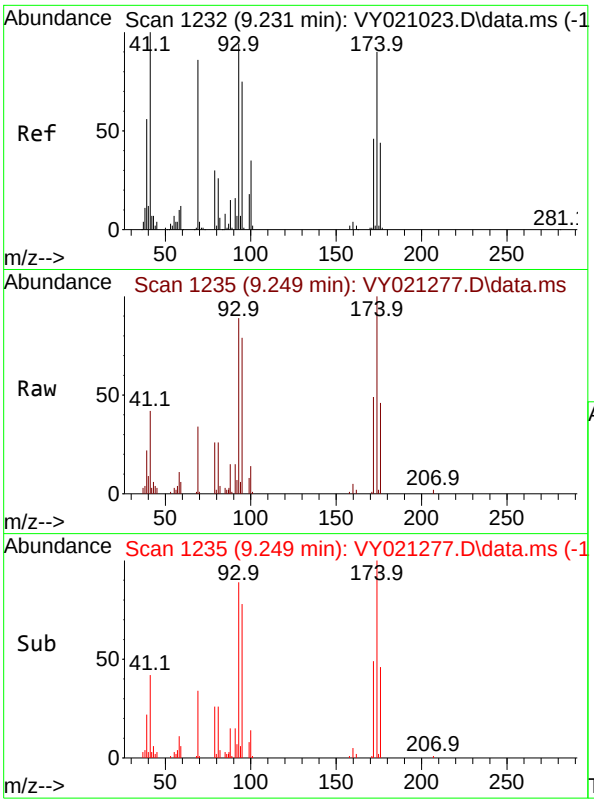



#48
Methyl methacrylate
Concen: 22.826 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 41 Resp: 19365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.6 | 72.1 | 108.1 |
| 39 | 59.2 | 42.8 | 64.2 |

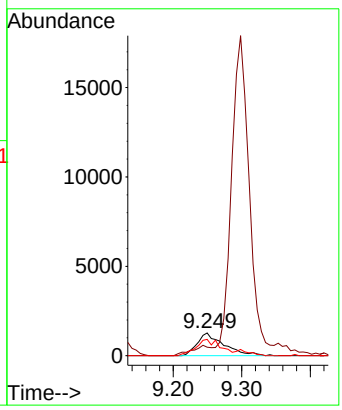





#49
1,4-Dioxane
Concen: 450.275 ug/l
RT: 9.249 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 88 Resp: 345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 32.1 | 28.2 | 42.4 |
| 58 | 65.4 | 52.2 | 78.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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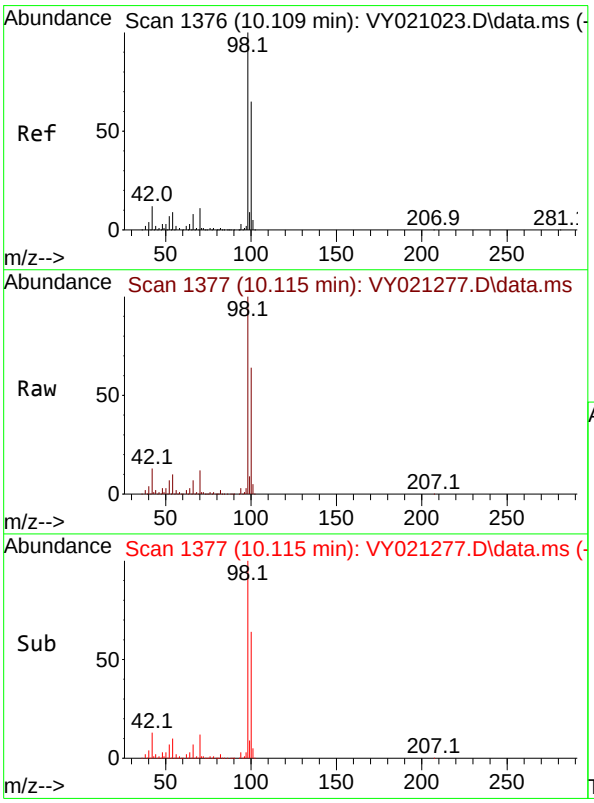
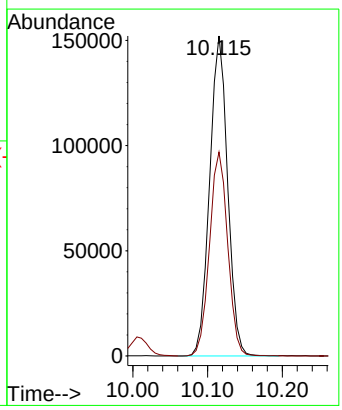
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

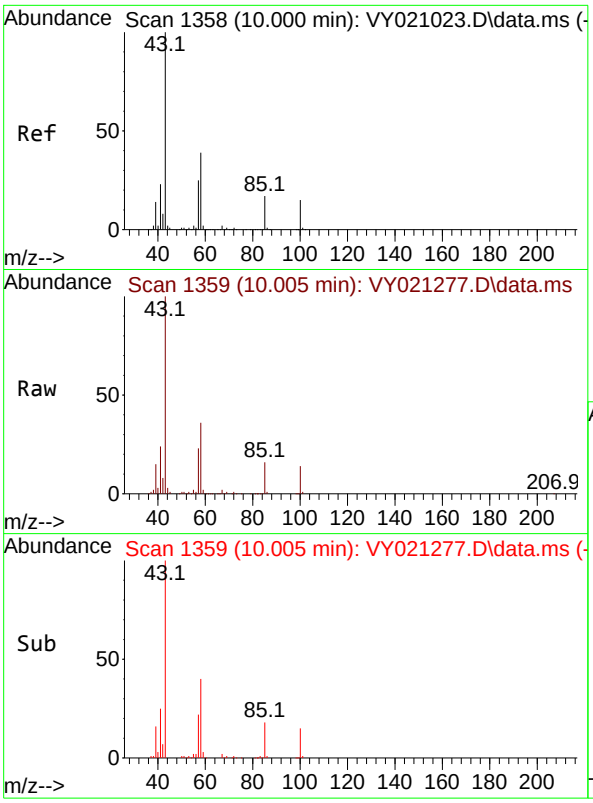



#50
Toluene-d8
Concen: 46.355 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 98 Resp: 254568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.5 | 52.3 | 78.5 |

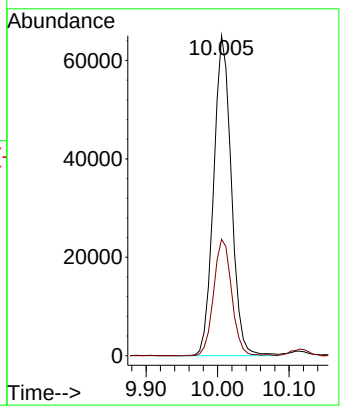





#51
4-Methyl-2-Pentanone
Concen: 119.282 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 11171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 32.2 | 48.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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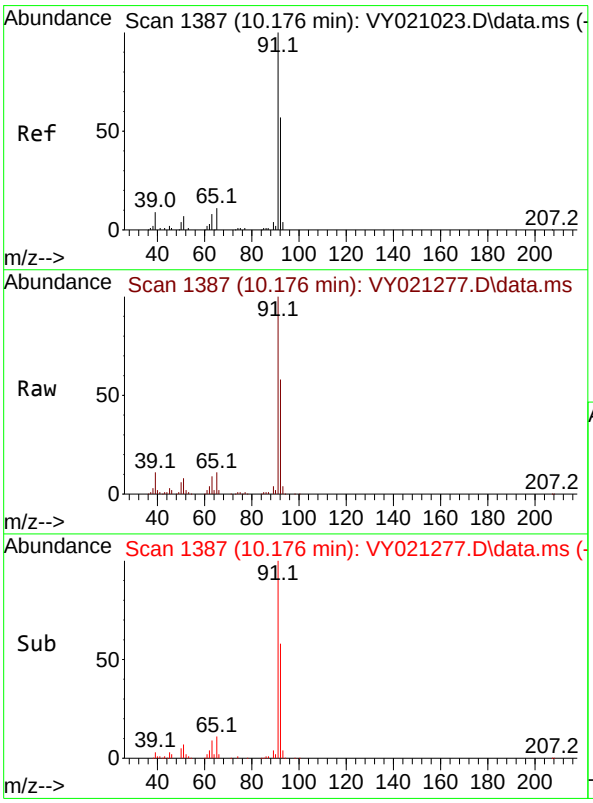
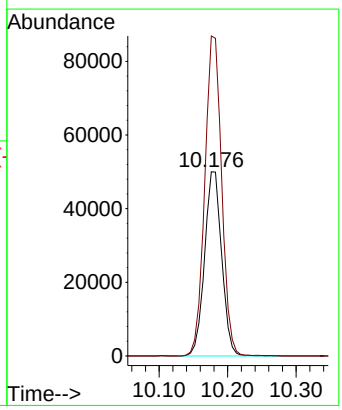
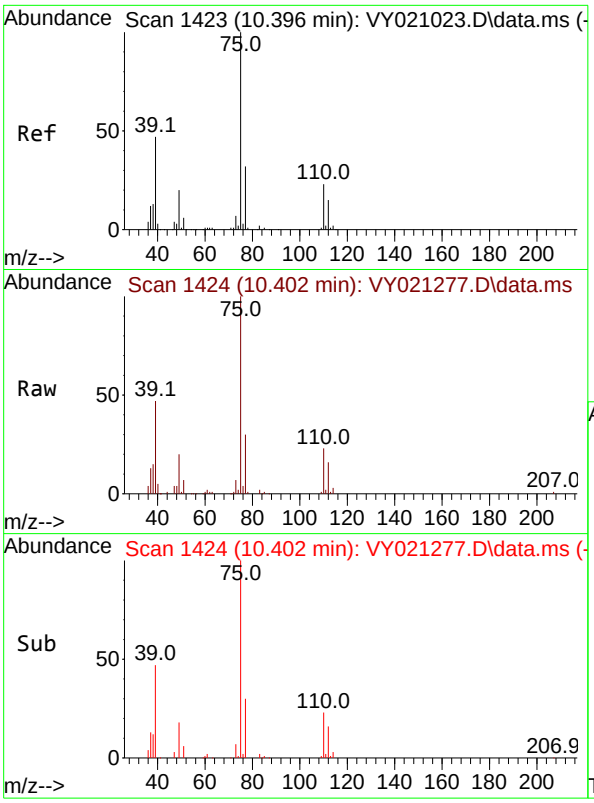



#52
Toluene
Concen: 22.059 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 92 Resp: 86849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.9 | 137.6 | 206.4 |

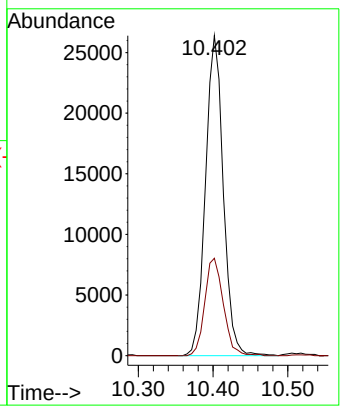





#53
t-1,3-Dichloropropene
Concen: 21.936 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 75 Resp: 4352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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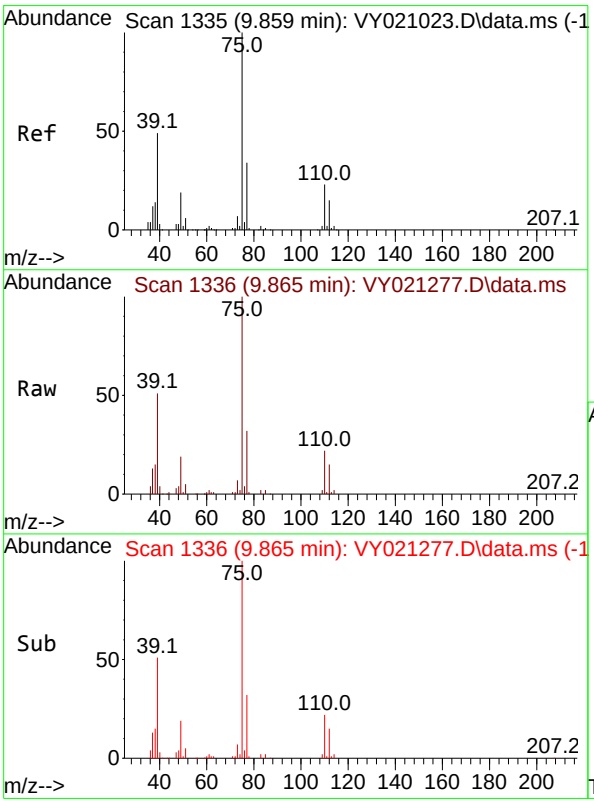
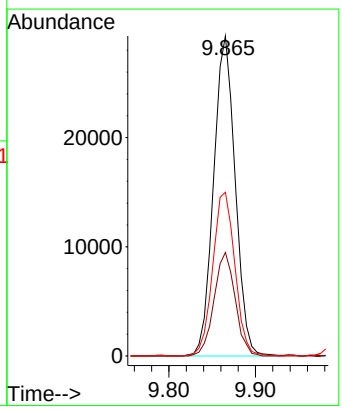
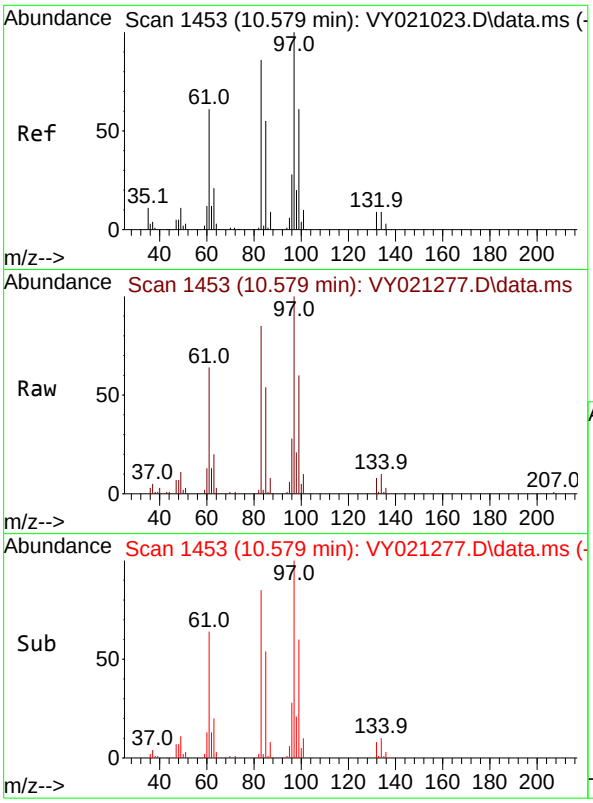



#54
cis-1,3-Dichloropropene
Concen: 21.615 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 75 Resp: 50785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 24.6 | 36.8 |
| 39 | 51.2 | 33.6 | 50.4# |

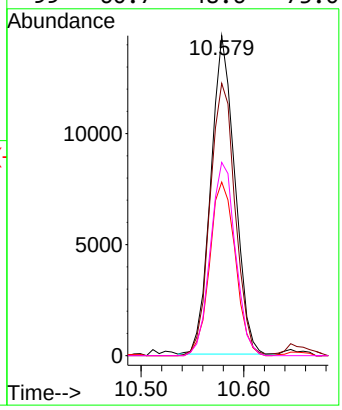





#55
1,1,2-Trichloroethane
Concen: 21.828 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 97 Resp: 2329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.5 | 69.4 | 104.2 |
| 85 | 54.5 | 43.9 | 65.9 |
| 99 | 60.7 | 48.6 | 73.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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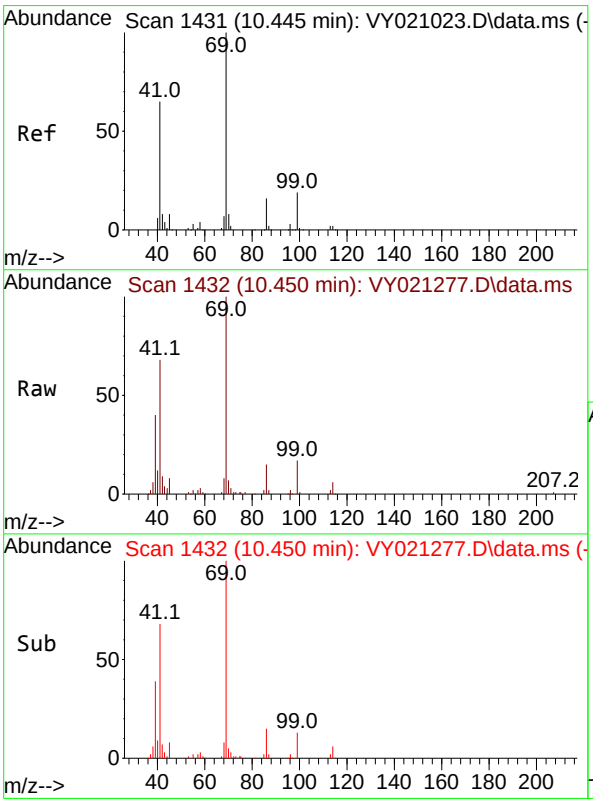
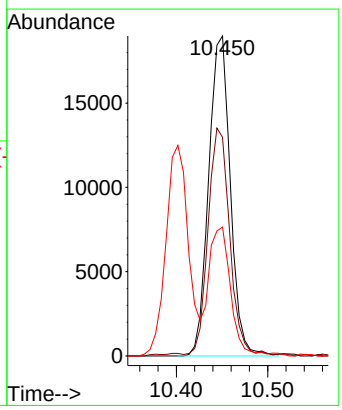
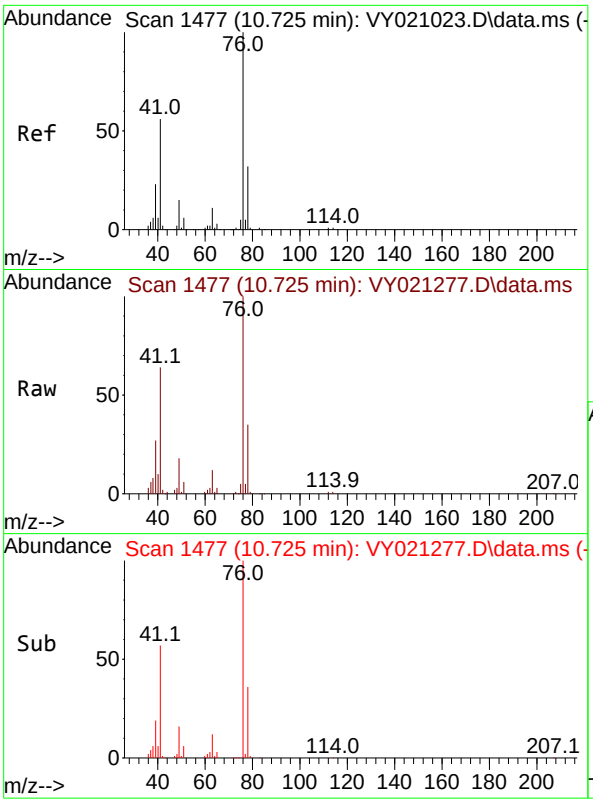



#56
Ethyl methacrylate
Concen: 21.863 ug/l
RT: 10.450 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 69 Resp: 31208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 72.5 | 49.2 | 73.8 |
| 39 | 41.0 | 26.8 | 40.2# |






#57
1,3-Dichloropropane
Concen: 22.249 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 76 Resp: 4109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.4 | 26.1 | 39.1 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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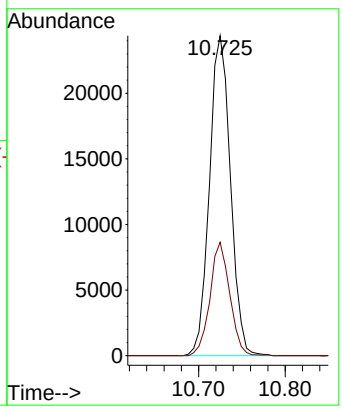
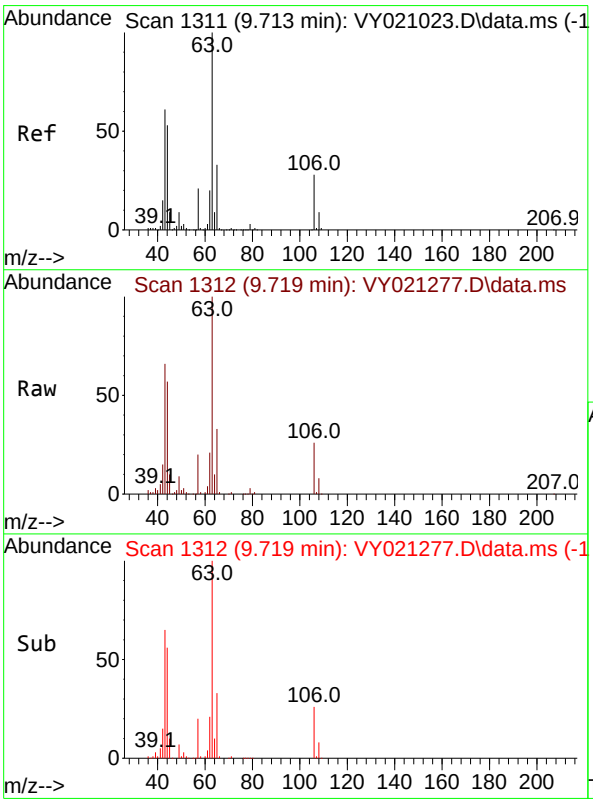
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

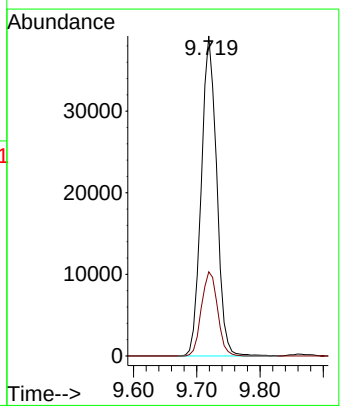


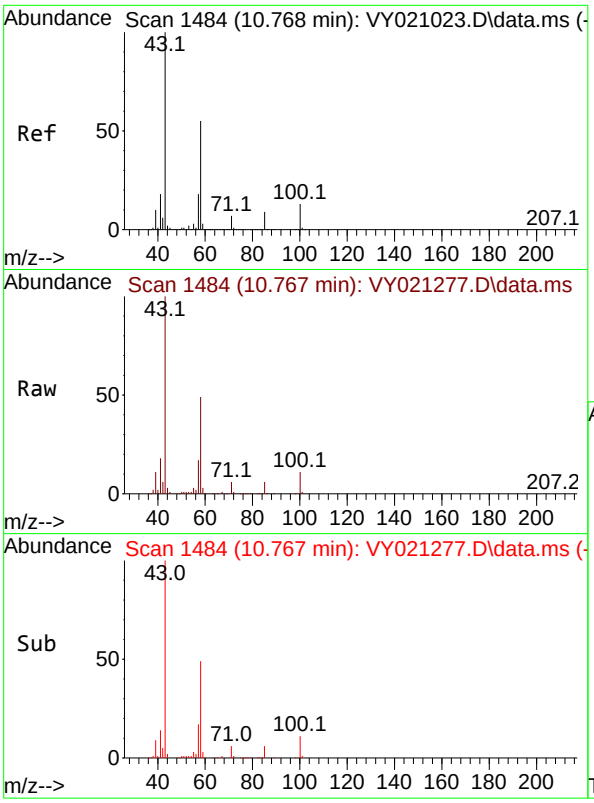




#58
2-Chloroethyl Vinyl ether
Concen: 97.833 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 63 Resp: 66439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 22.4 | 33.6 |






#59
2-Hexanone
Concen: 119.221 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

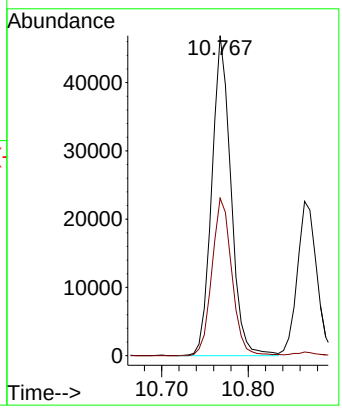
Tgt Ion: 43 Resp: 7189

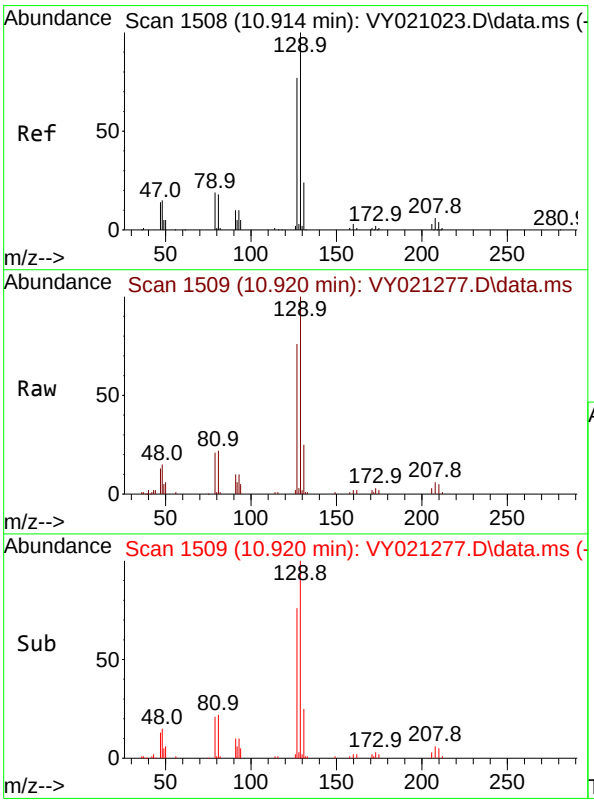
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.2 | 28.1 | 84.3 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

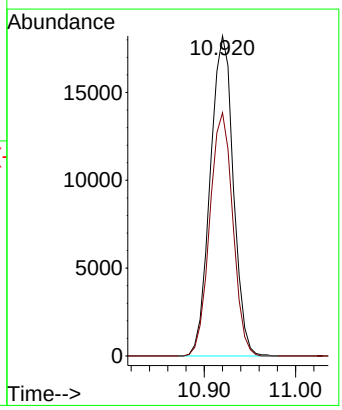


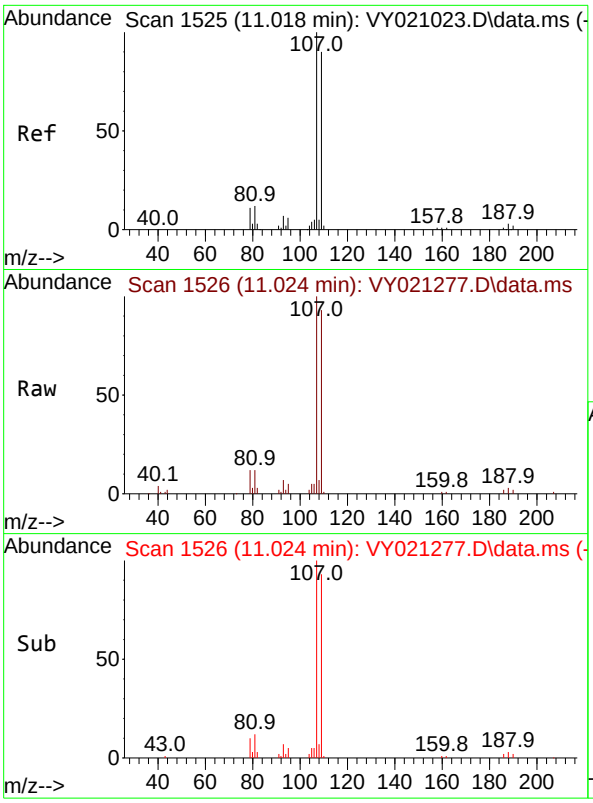




#60
Dibromochloromethane
Concen: 21.347 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:129 Resp: 31988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.7 | 39.2 | 117.6 |






#61
1,2-Dibromoethane
Concen: 22.073 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

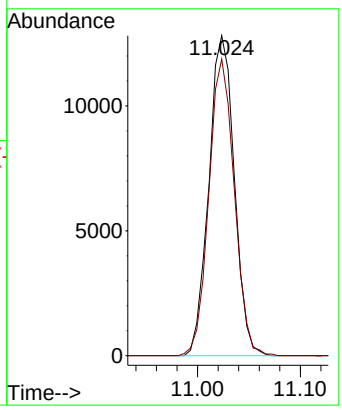
Tgt Ion:107 Resp: 2206

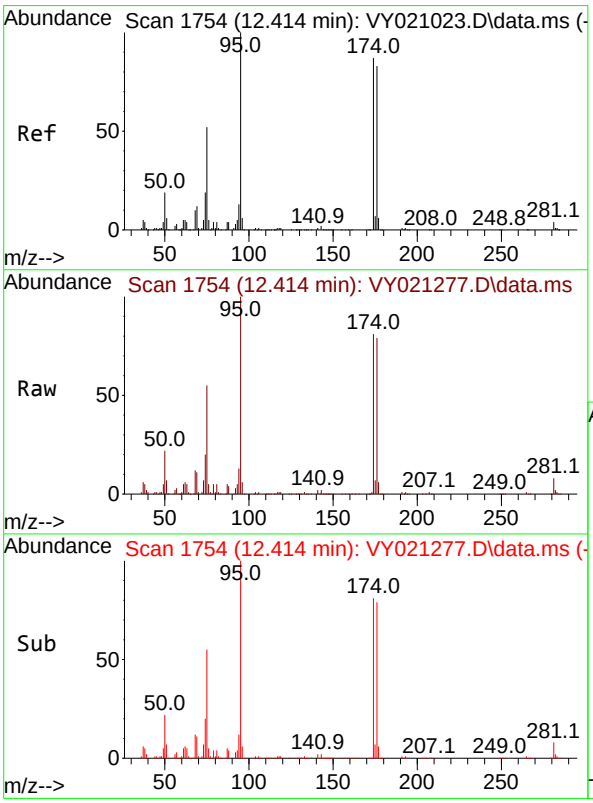
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.4 | 75.4 | 113.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

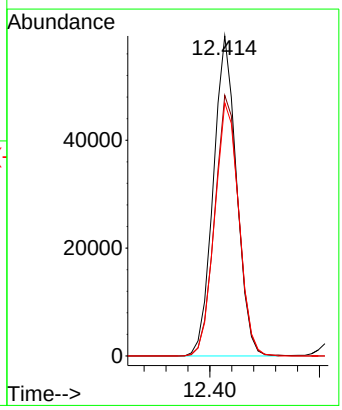


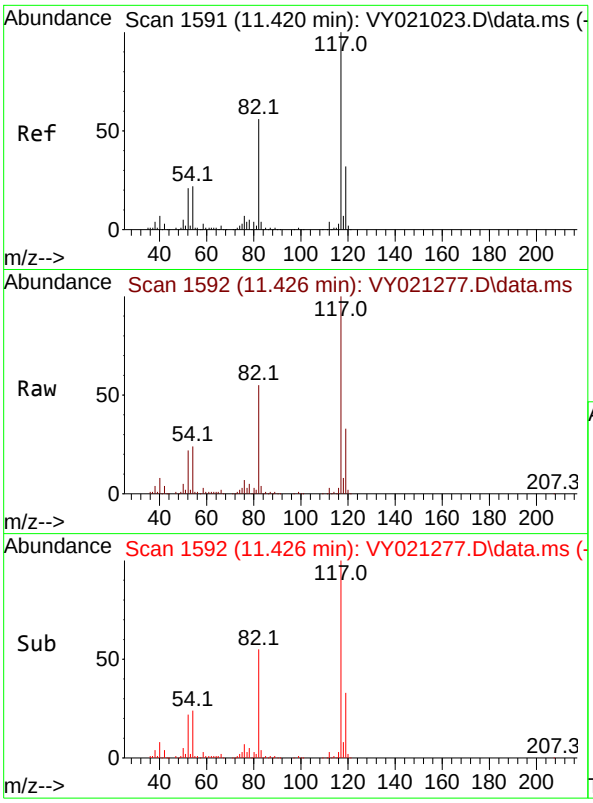




#62
4-Bromofluorobenzene
Concen: 48.693 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 95 Resp: 87361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.9 | 0.0 | 160.0 |
| 176 | 82.4 | 0.0 | 151.8 |

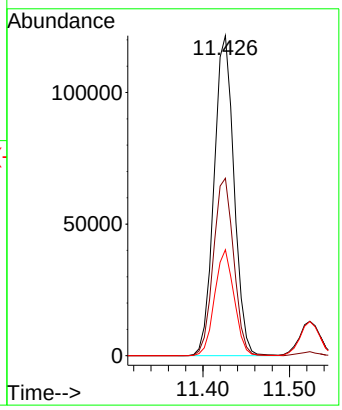





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:117 Resp: 19470

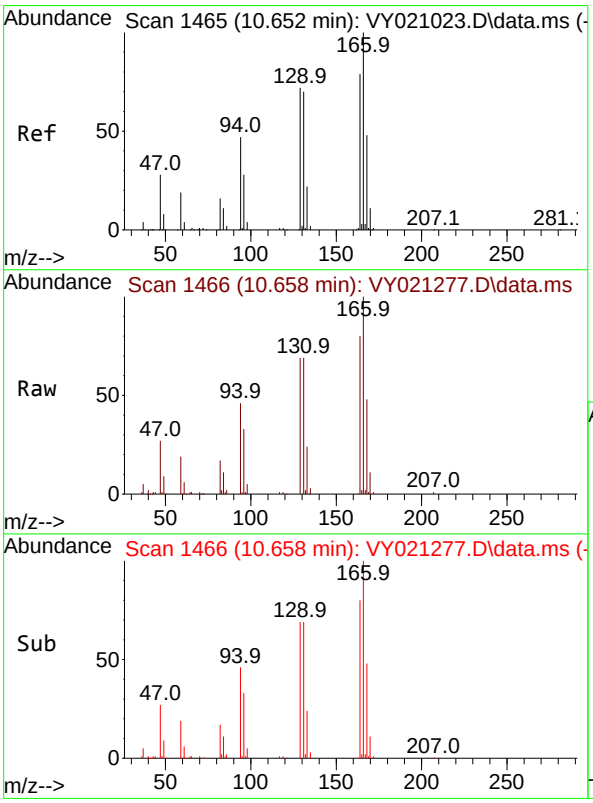
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.5 | 43.8 | 65.8 |
| 119 | 33.1 | 26.5 | 39.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

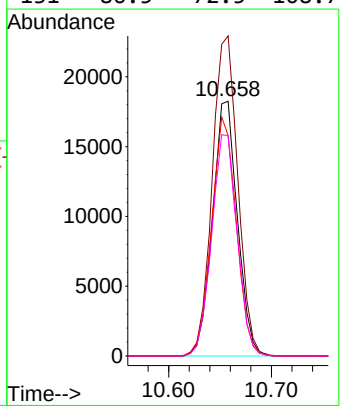
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

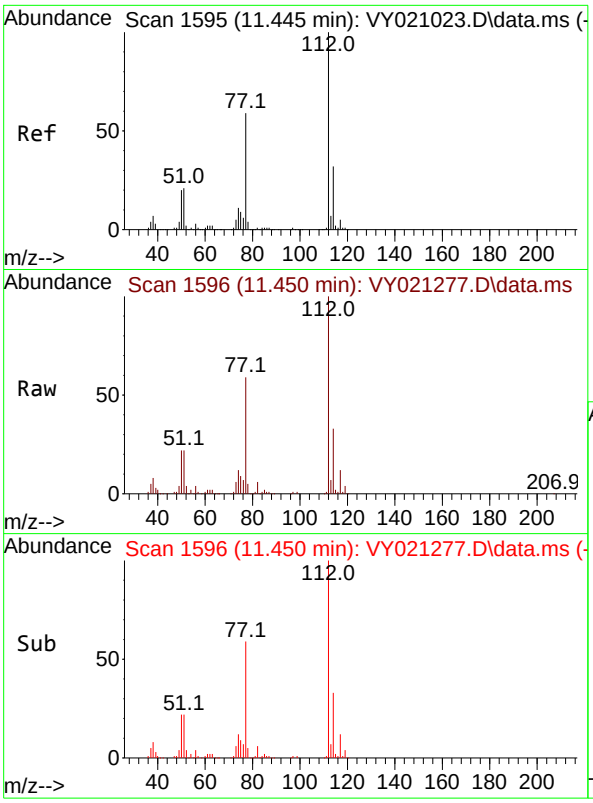



#64
Tetrachloroethene
Concen: 21.248 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:164 Resp: 30712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.6 | 98.8 | 148.2 |
| 129 | 86.5 | 78.9 | 118.3 |
| 131 | 86.5 | 72.5 | 108.7 |

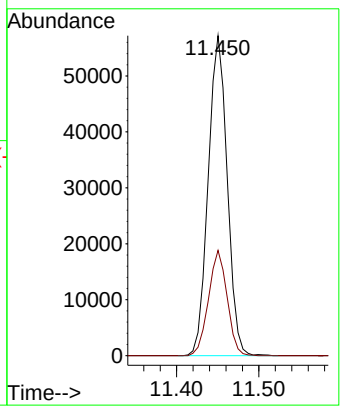





#65
Chlorobenzene
Concen: 21.200 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:112 Resp: 9191

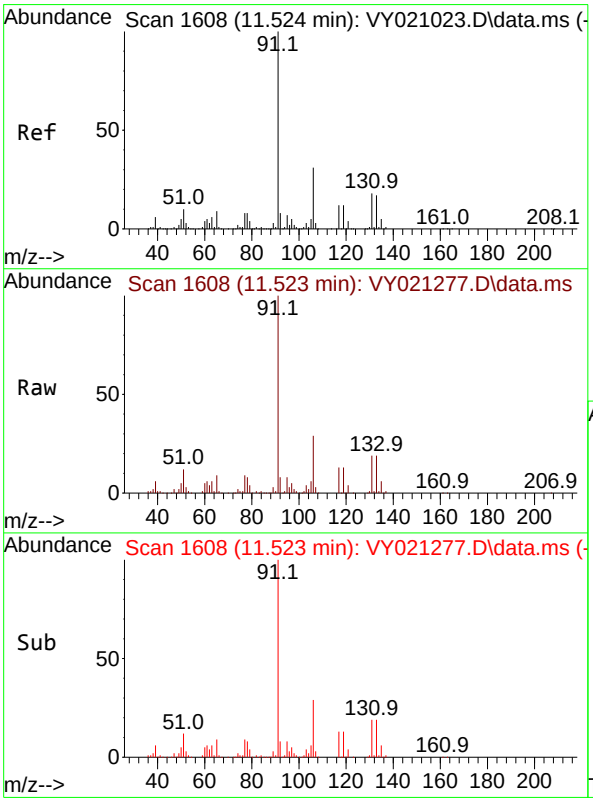
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.9 | 26.1 | 39.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

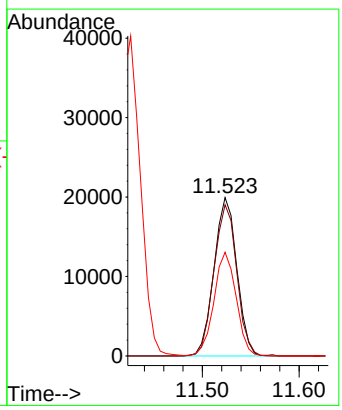
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

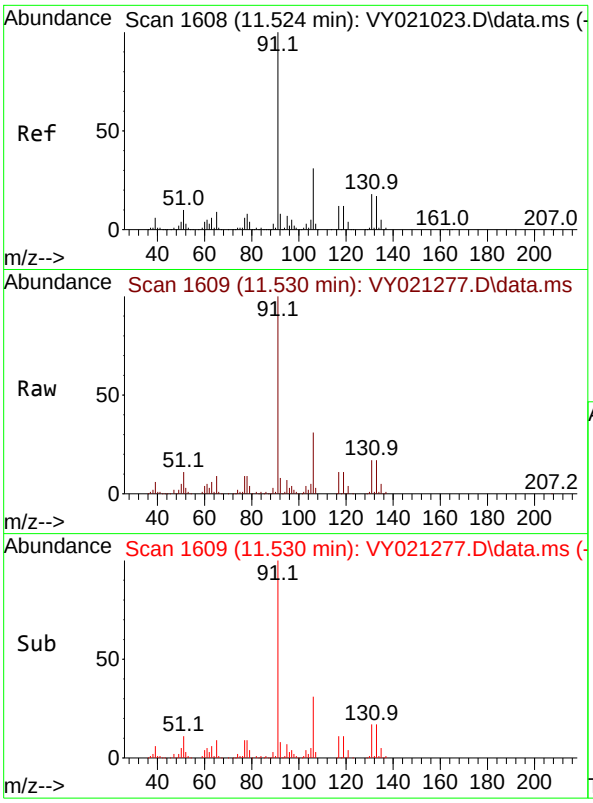



#66
1,1,1,2-Tetrachloroethane
Concen: 21.186 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:131 Resp: 32642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.7 | 47.0 | 141.0 |
| 119 | 63.7 | 33.3 | 99.9 |

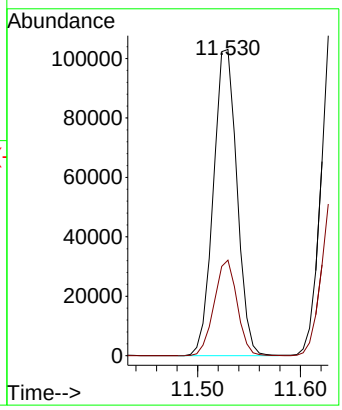





#67
Ethyl Benzene
Concen: 21.438 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 91 Resp: 16439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.2 | 25.0 | 37.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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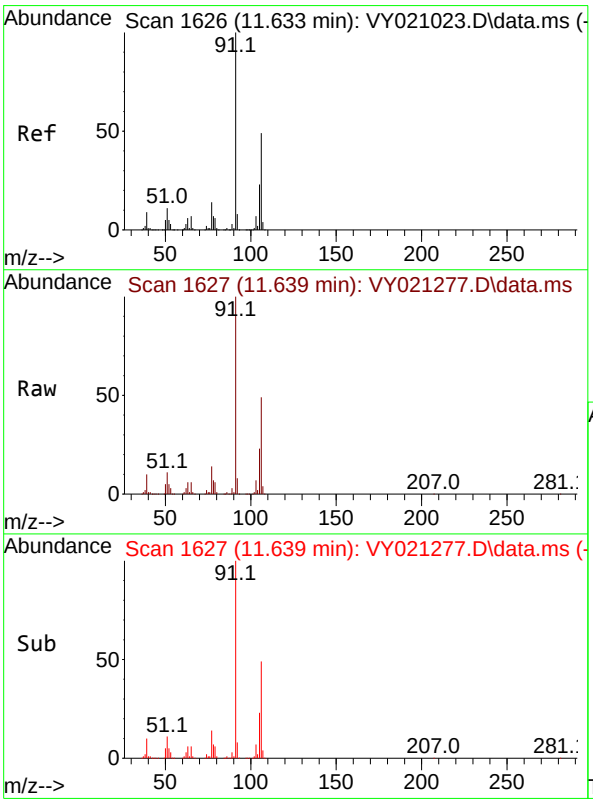
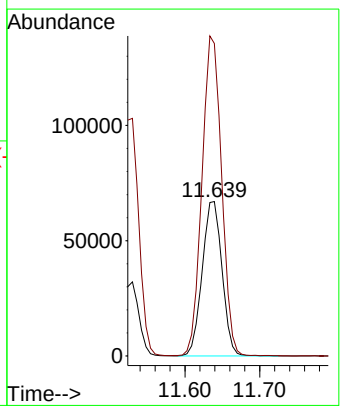
Supervised By :Mahesh Dadoda 02/24/2025

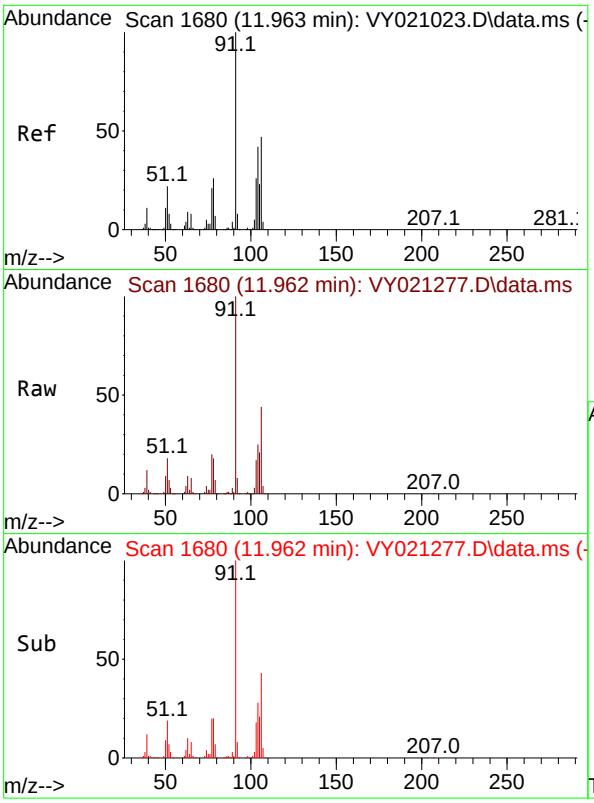



#68
m/p-Xylenes
Concen: 43.015 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:106 Resp: 123398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.8 | 160.7 | 241.1 |

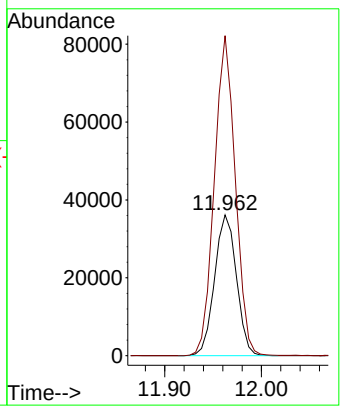





#69
o-Xylene
Concen: 21.175 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:106 Resp: 5663

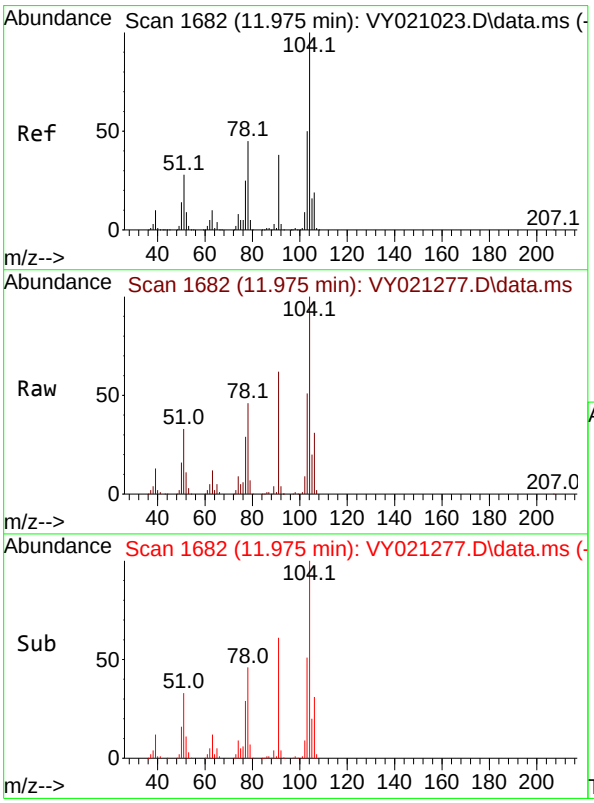
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.4 | 106.5 | 319.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

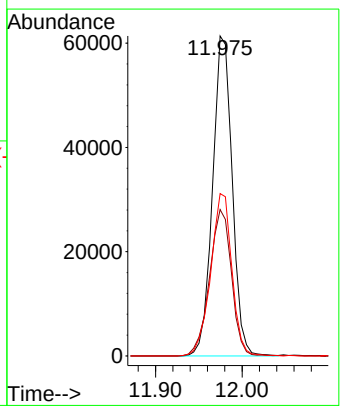
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

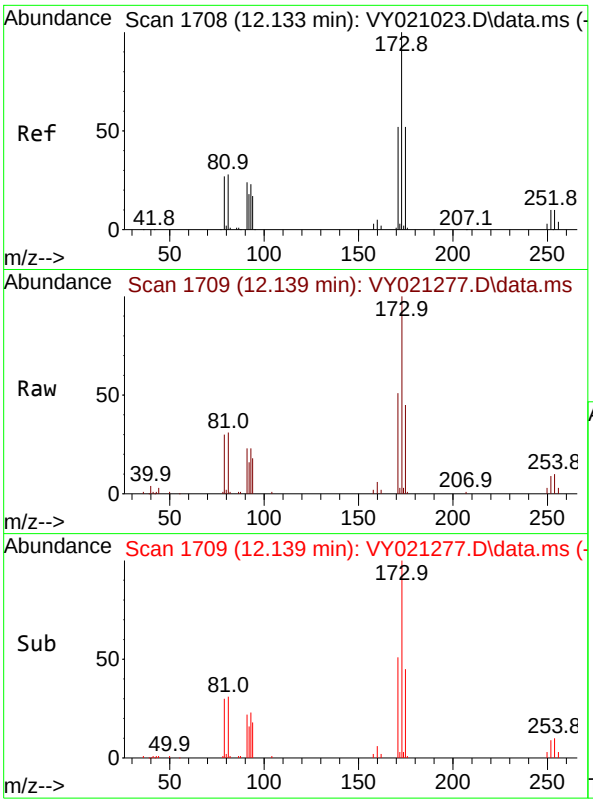



#70
Styrene
Concen: 21.667 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:104 Resp: 96585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.2 | 39.2 | 58.8 |
| 103 | 54.8 | 43.8 | 65.6 |

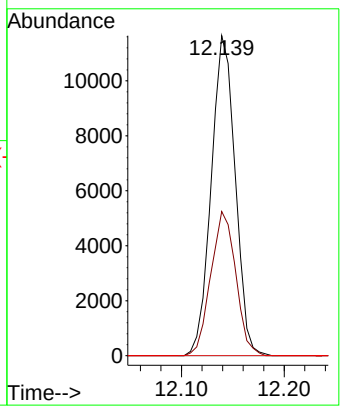





#71
Bromoform
Concen: 21.969 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:173 Resp: 1884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.0 | 23.5 | 70.6 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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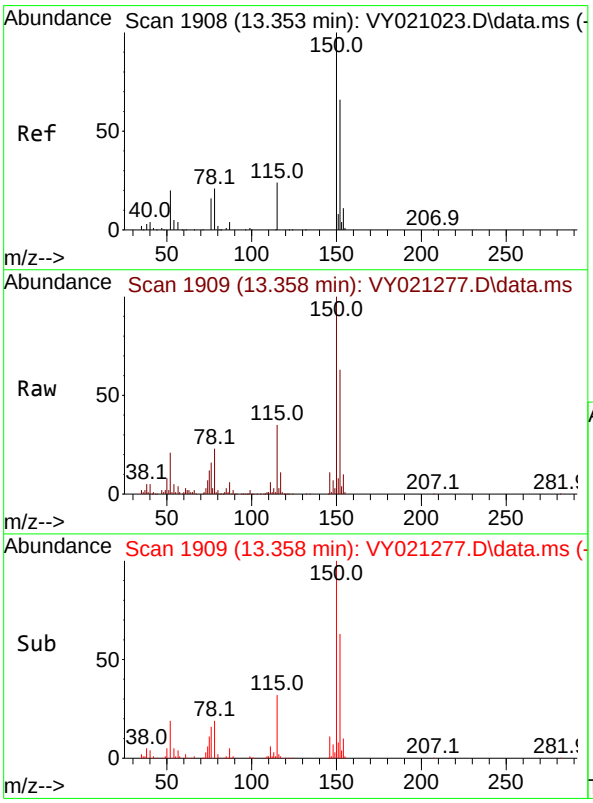
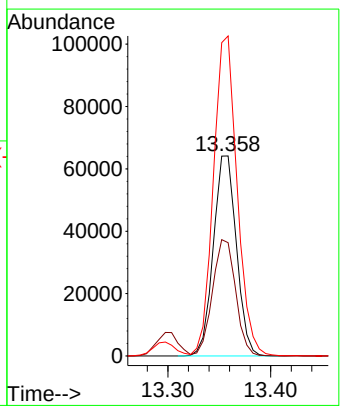
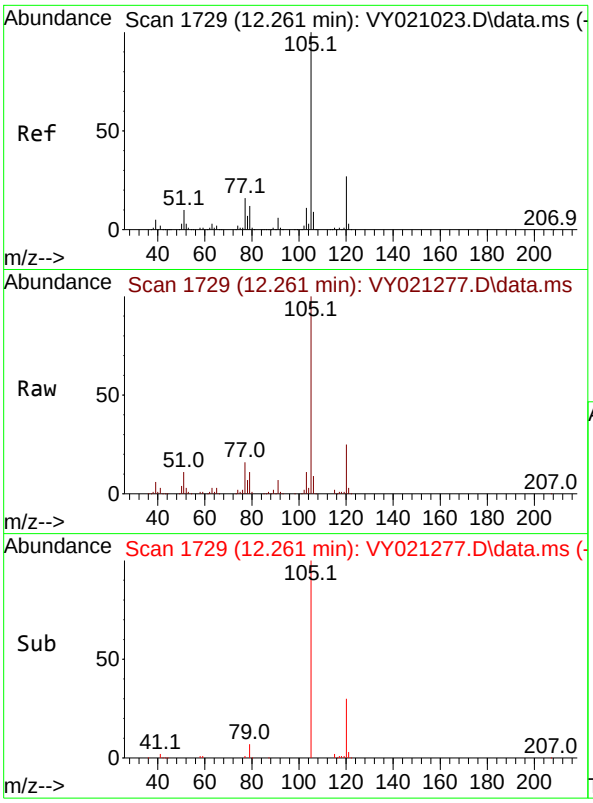



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.358 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:152 Resp: 99790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.5 | 30.0 | 90.0 |
| 150 | 164.7 | 0.0 | 344.6 |

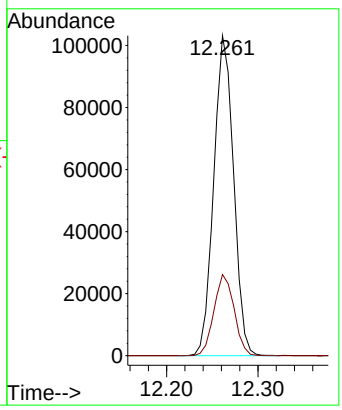





#73
Isopropylbenzene
Concen: 19.951 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:105 Resp: 15552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.0 | 39.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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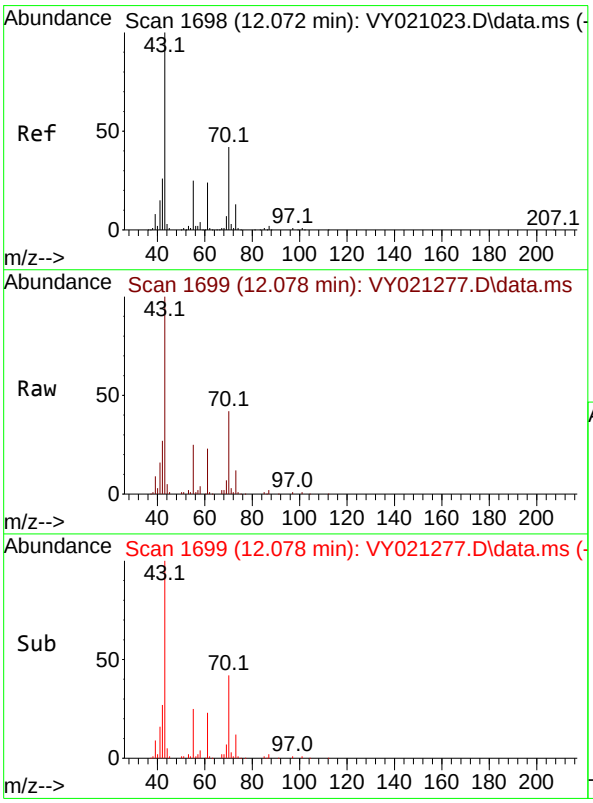
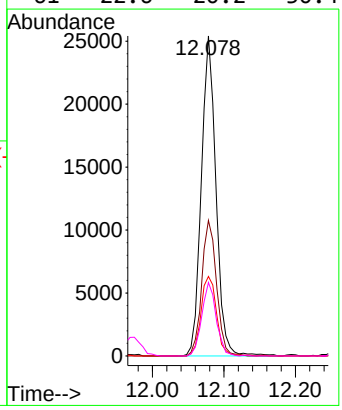
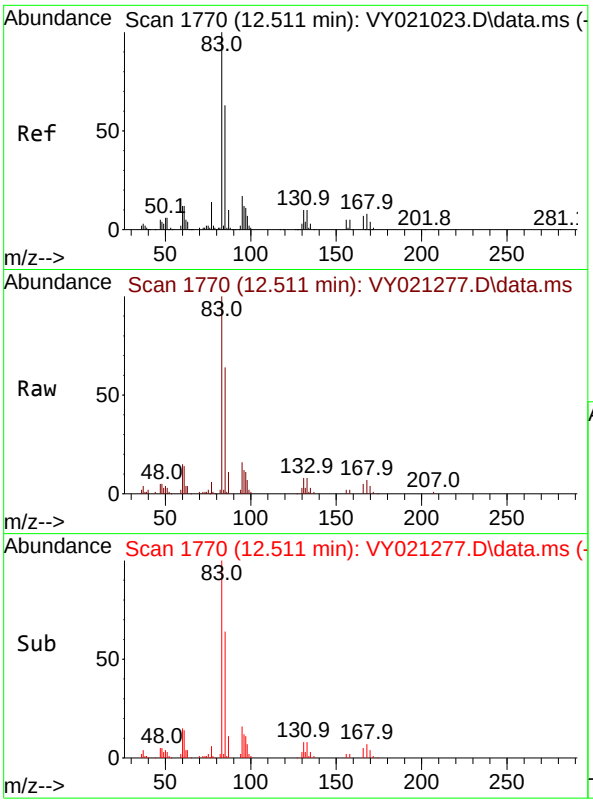



#74
N-amyl acetate
Concen: 21.227 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 36176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.6 | 36.6 | 55.0 |
| 55 | 26.4 | 22.2 | 33.4 |
| 61 | 22.6 | 20.2 | 30.4 |

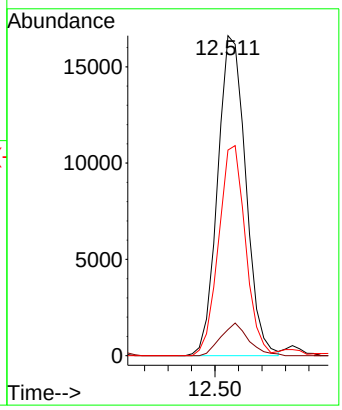





#75
1,1,2,2-Tetrachloroethane
Concen: 21.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 83 Resp: 2755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 4.9 | 14.6 |
| 85 | 63.2 | 32.6 | 98.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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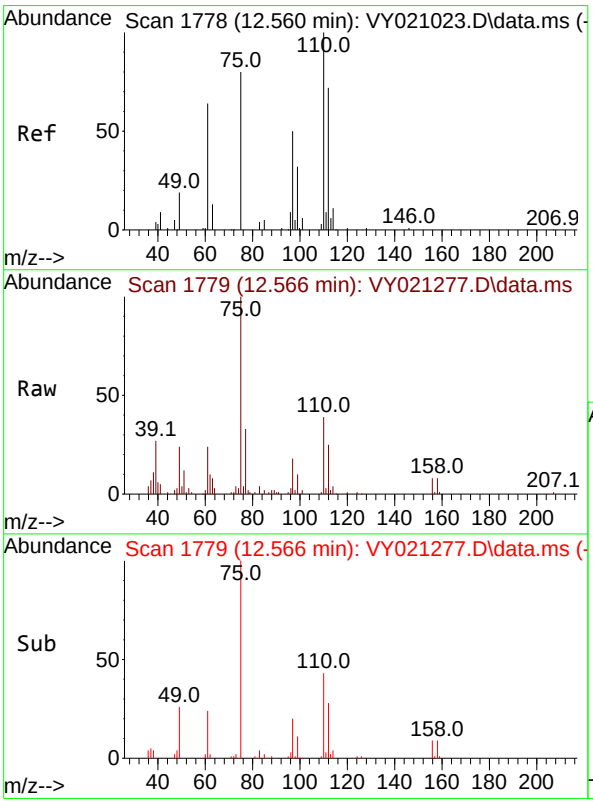
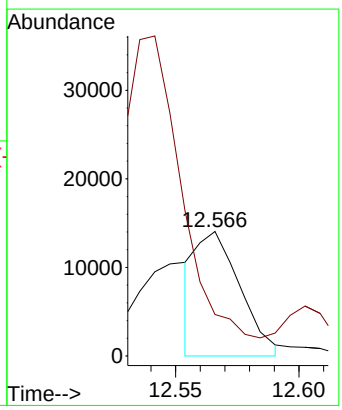
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

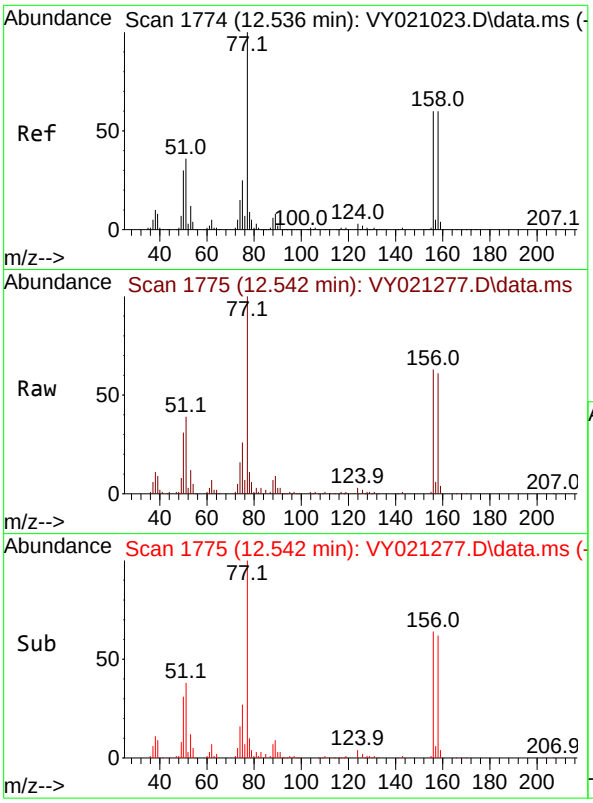



#76
1,2,3-Trichloropropane
Concen: 19.346 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 75 Resp: 17512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

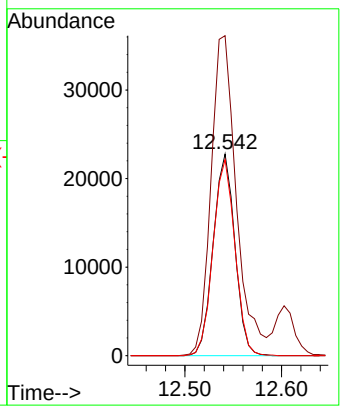





#77
Bromobenzene
Concen: 19.653 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:156 Resp: 3535

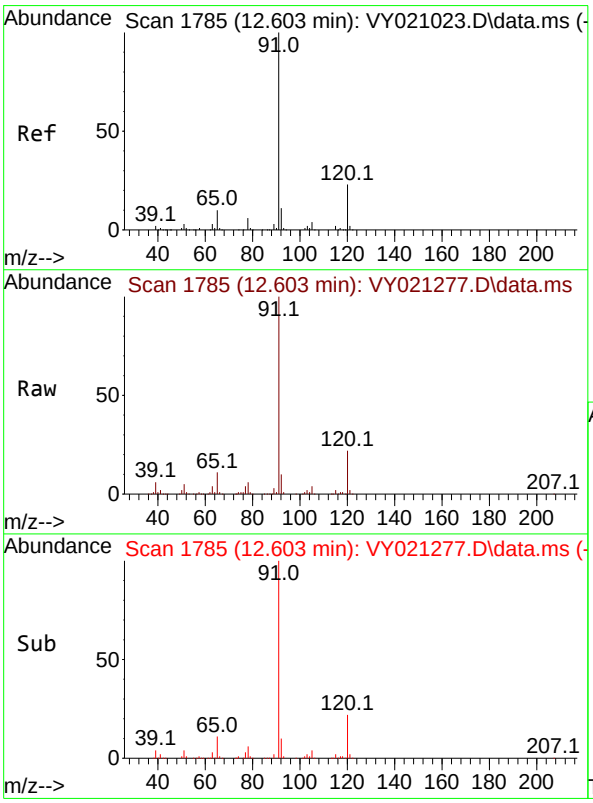
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.1 | 97.3 | 291.8 |
| 158 | 98.6 | 48.4 | 145.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

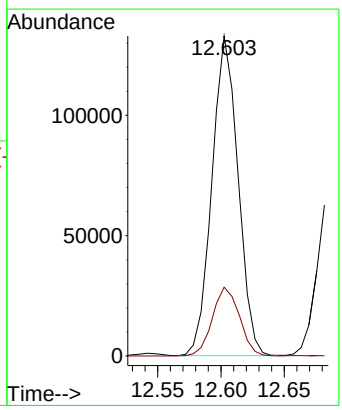
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

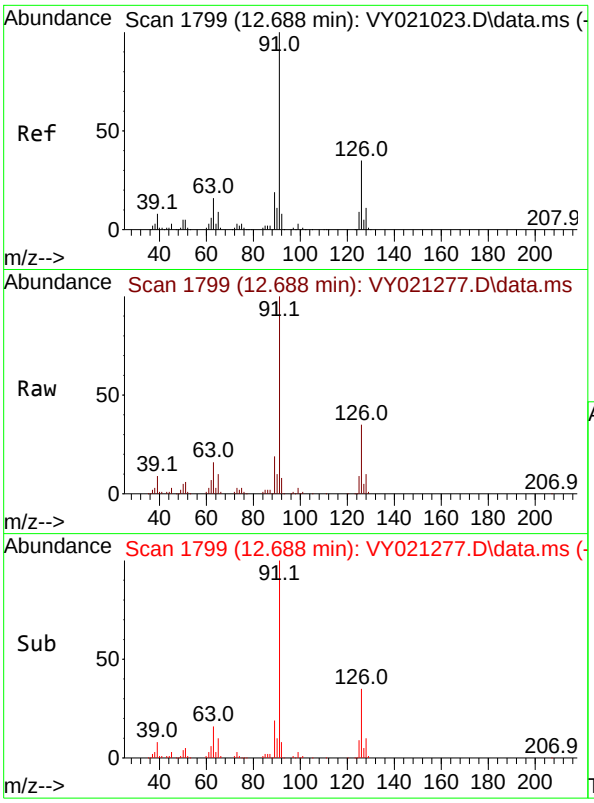



#78
n-propylbenzene
Concen: 20.542 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 91 Resp: 190748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.0 | 33.0 |

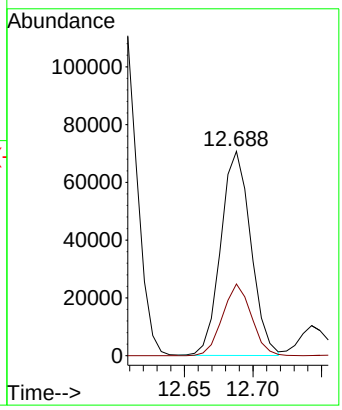





#79
2-Chlorotoluene
Concen: 20.232 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 91 Resp: 10760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 17.0 | 51.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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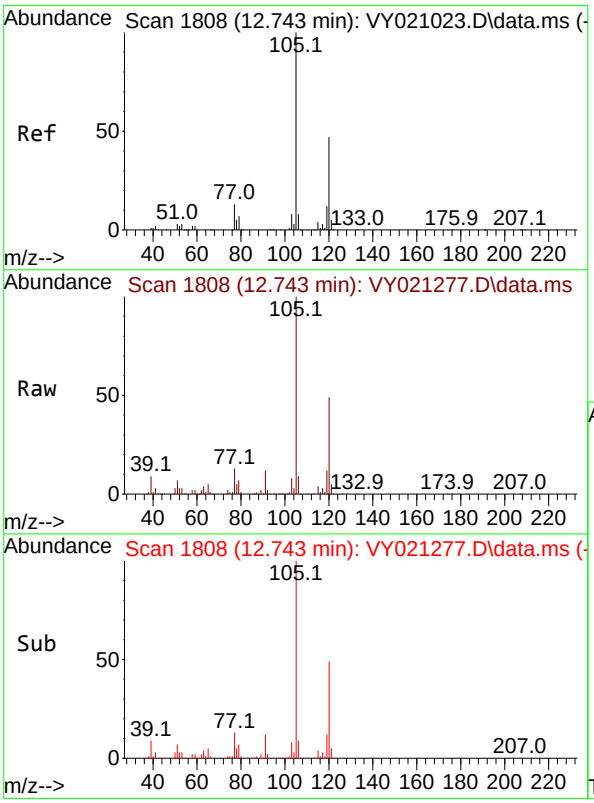
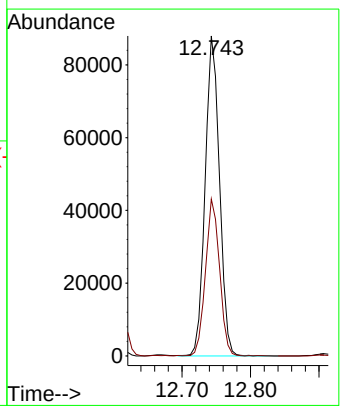
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

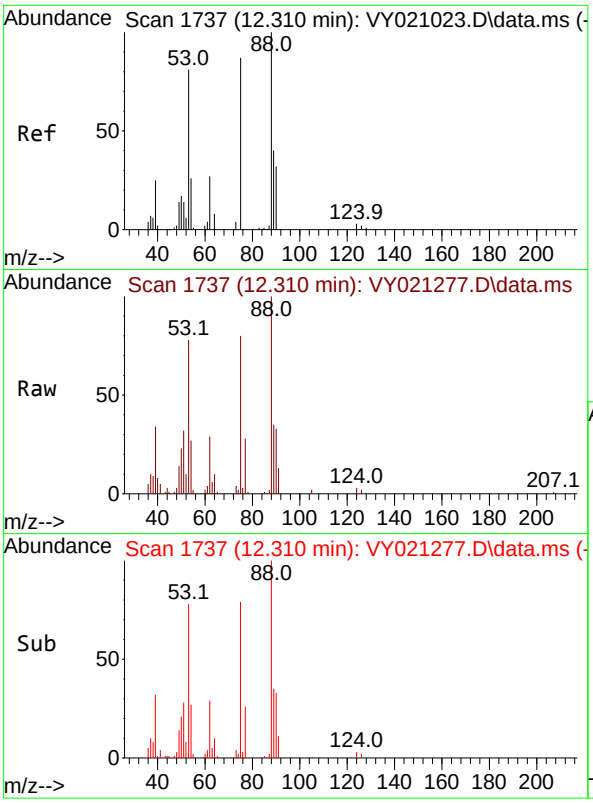



#80
1,3,5-Trimethylbenzene
Concen: 20.268 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:105 Resp: 128095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.3 | 72.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 20.400 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 75 Resp: 905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.6 | 74.0 | 111.0 |
| 89 | 45.3 | 36.5 | 54.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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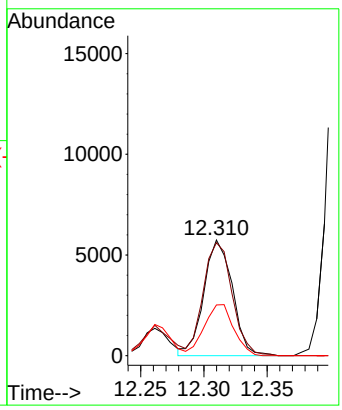
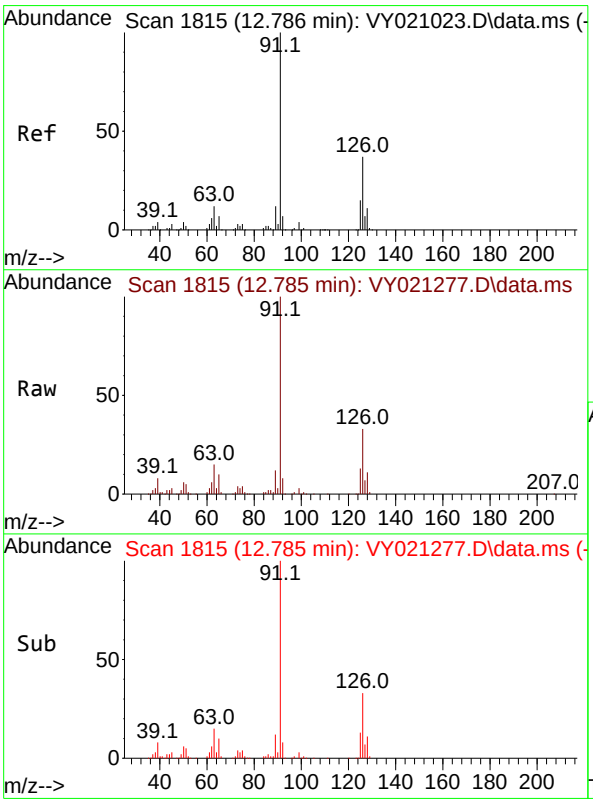
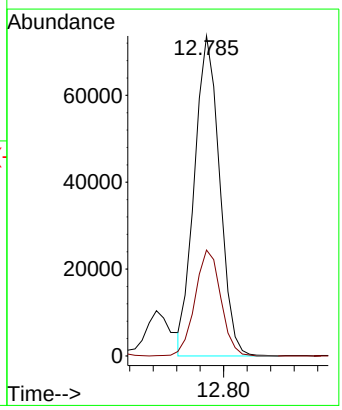


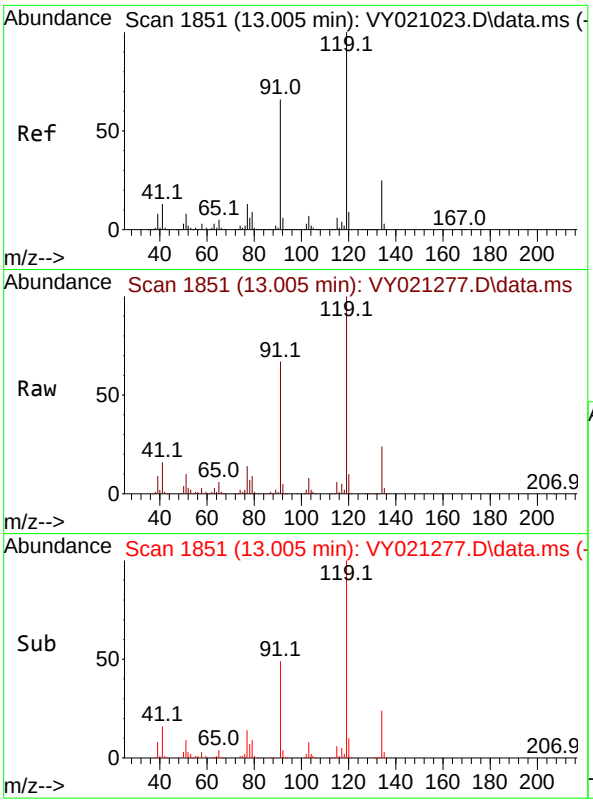




#82
4-Chlorotoluene
Concen: 20.264 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 91 Resp: 109802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 17.1 | 51.2 |

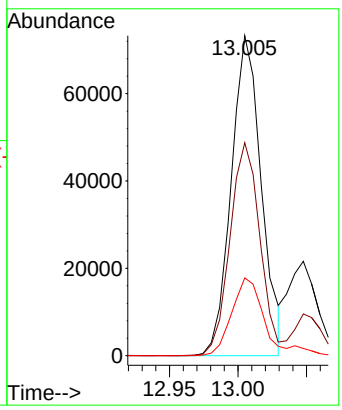





#83
tert-Butylbenzene
Concen: 19.511 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:119 Resp: 11208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.1 | 31.5 | 94.5 |
| 134 | 26.8 | 13.1 | 39.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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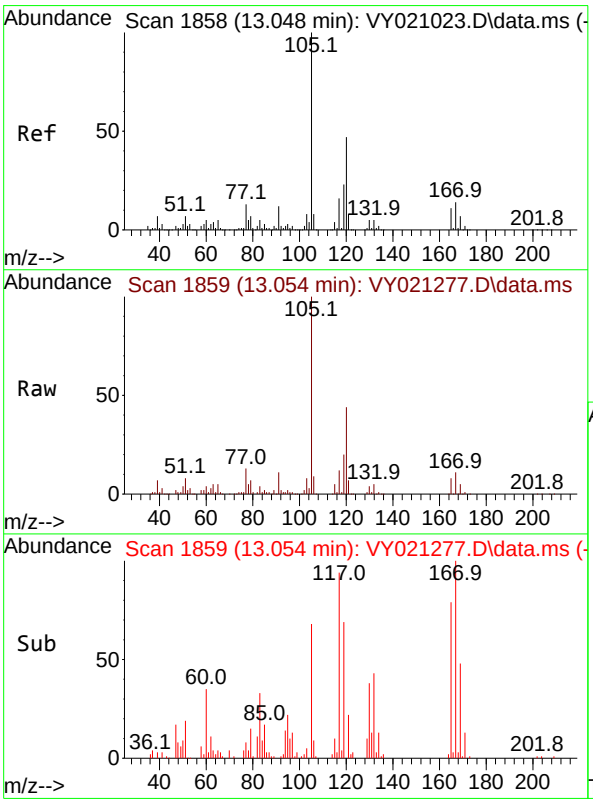
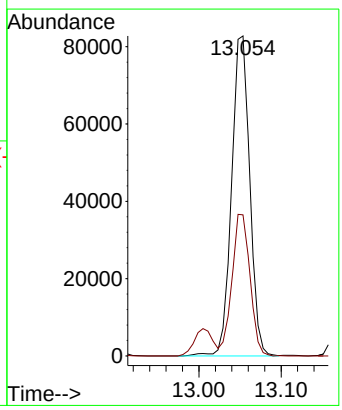
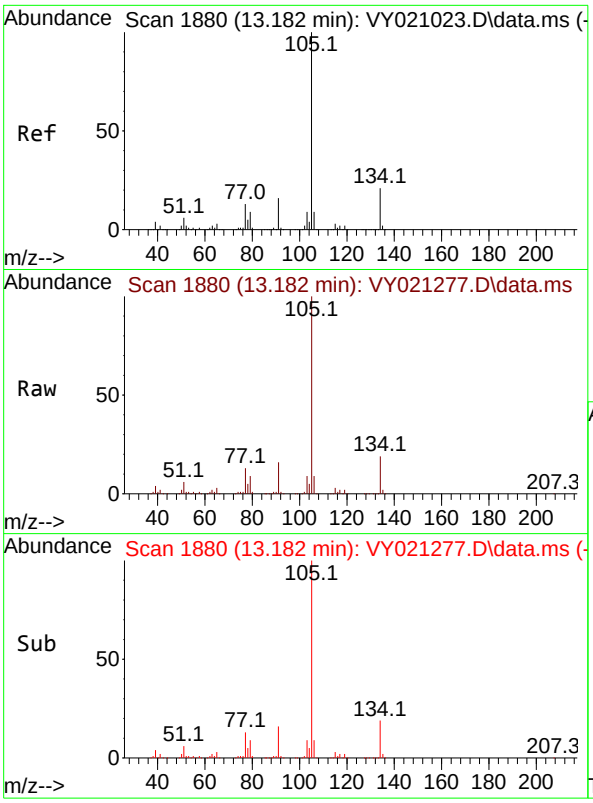



#84
1,2,4-Trimethylbenzene
Concen: 20.551 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:105 Resp: 126991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.3 |

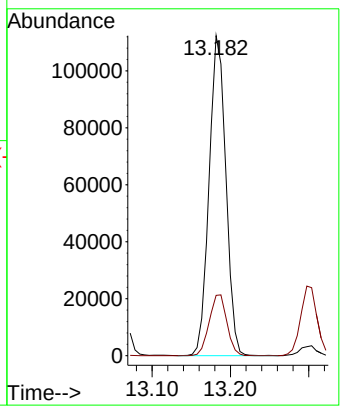





#85
sec-Butylbenzene
Concen: 20.216 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:105 Resp: 16717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.7 | 28.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

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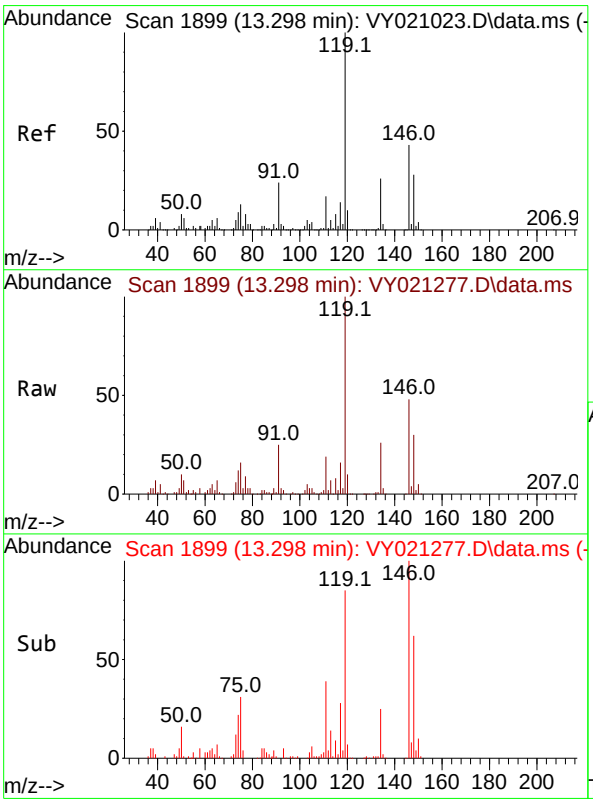
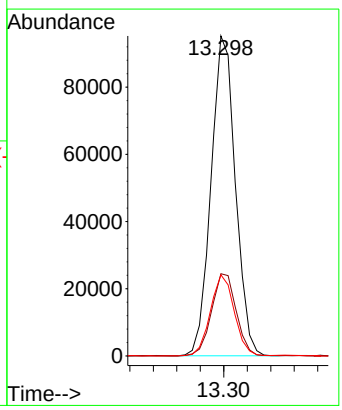
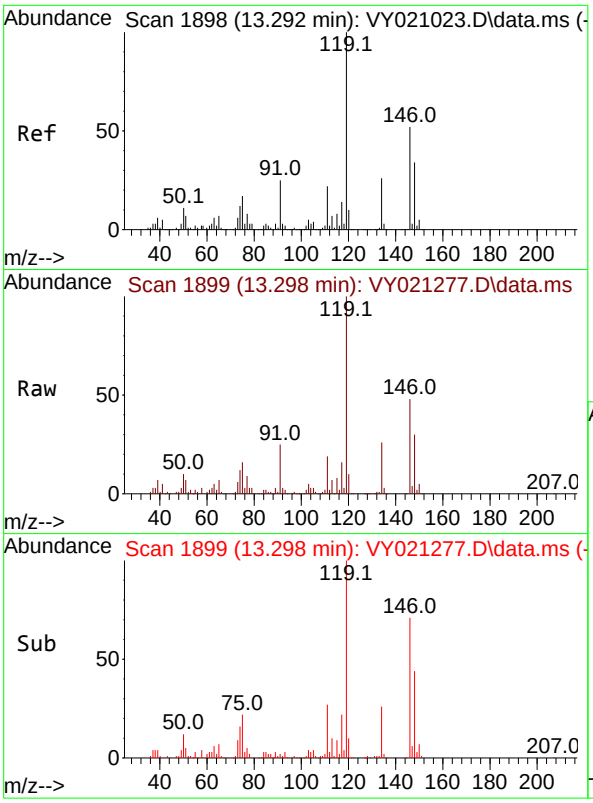



#86
p-Isopropyltoluene
Concen: 19.952 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:119 Resp: 137051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 13.1 | 39.1 |
| 91 | 25.0 | 11.7 | 35.0 |

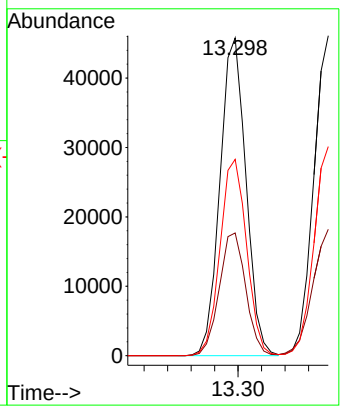





#87
1,3-Dichlorobenzene
Concen: 20.259 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:146 Resp: 7036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.5 | 20.2 | 60.5 |
| 148 | 63.2 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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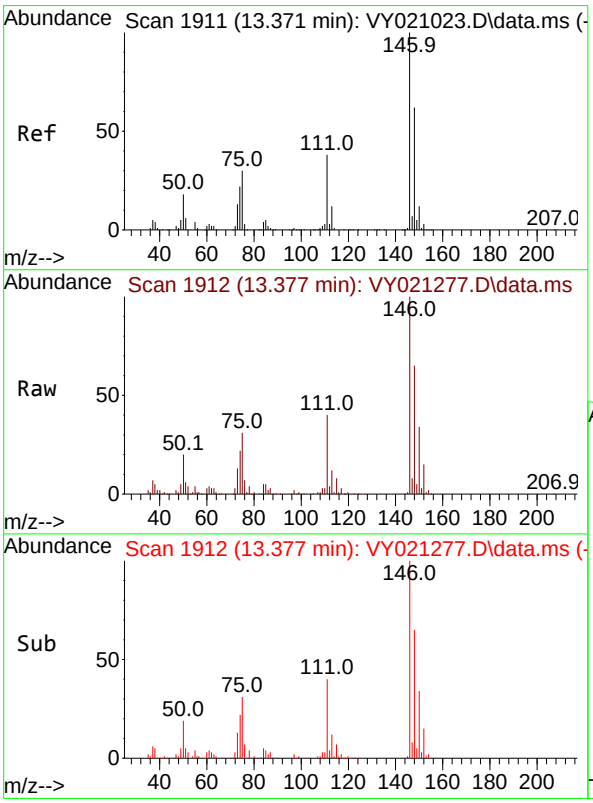
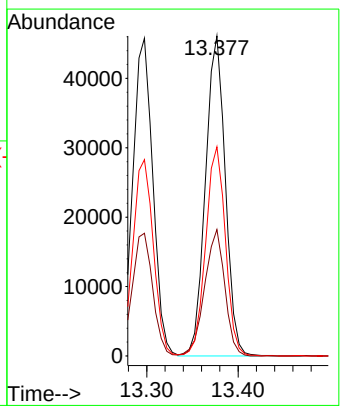
Supervised By :Mahesh Dadoda 02/24/2025

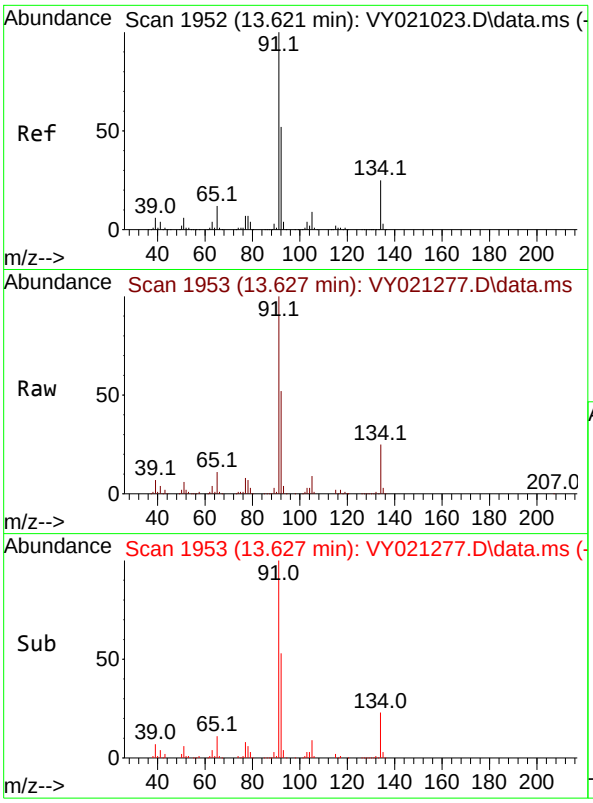



#88
1,4-Dichlorobenzene
Concen: 20.261 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:146 Resp: 69289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 19.3 | 57.9 |
| 148 | 65.3 | 31.6 | 94.7 |

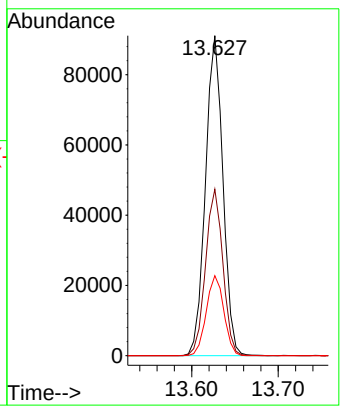





#89
n-Butylbenzene
Concen: 20.348 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 91 Resp: 12750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.8 | 26.4 | 79.2 |
| 134 | 25.2 | 12.3 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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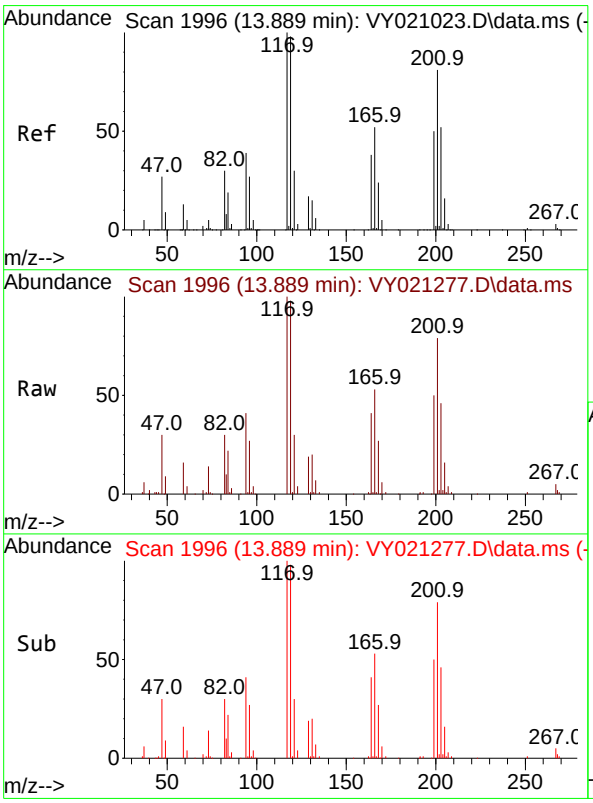
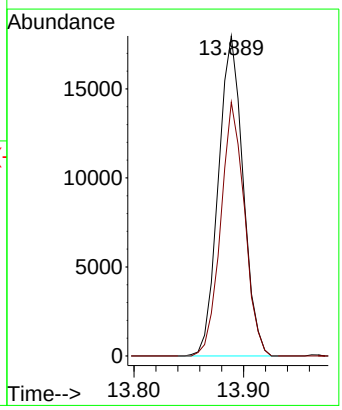
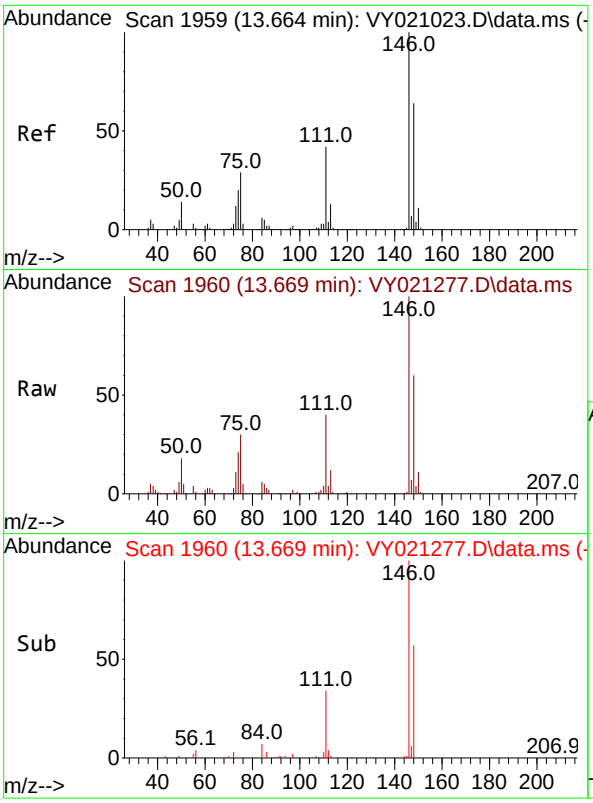



#90
Hexachloroethane
Concen: 19.622 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:117 Resp: 28118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.4 | 33.4 | 100.1 |

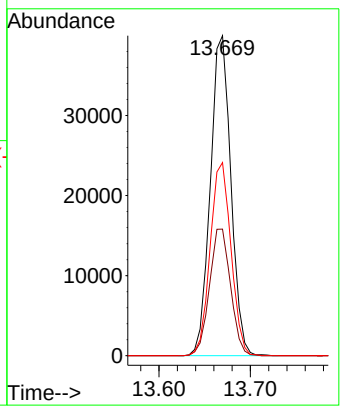





#91
1,2-Dichlorobenzene
Concen: 20.681 ug/l
RT: 13.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:146 Resp: 6234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.5 | 61.6 |
| 148 | 61.3 | 31.4 | 94.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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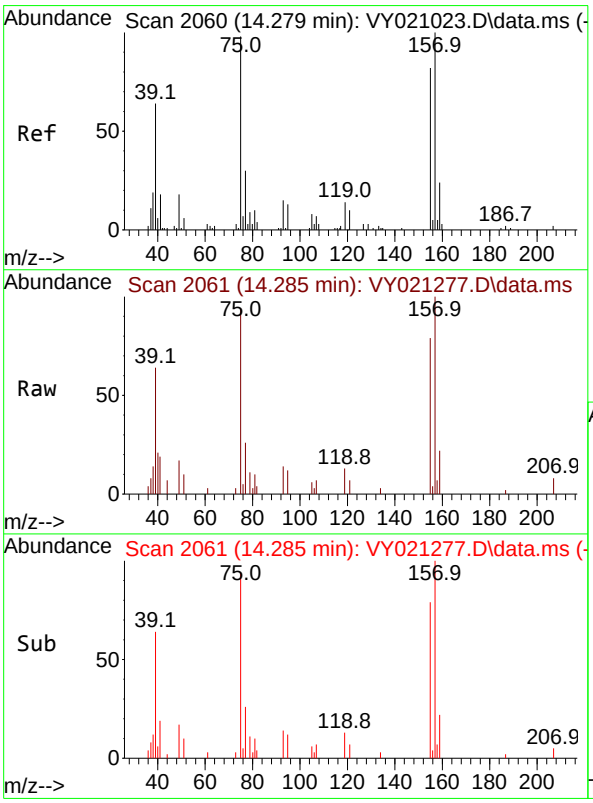
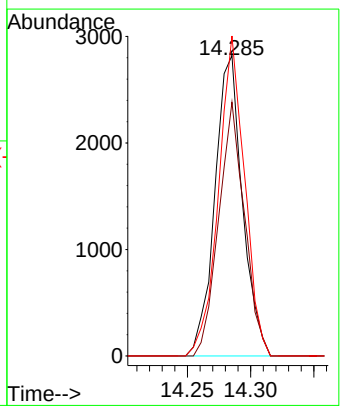
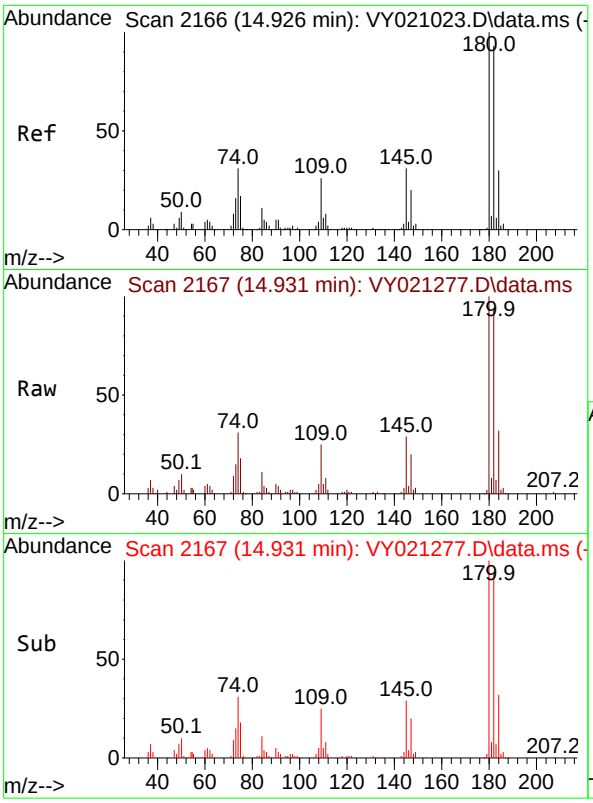



#92
1,2-Dibromo-3-Chloropropane
Concen: 22.077 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 75 Resp: 4277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.1 | 42.1 | 126.3 |
| 157 | 100.5 | 55.8 | 167.4 |

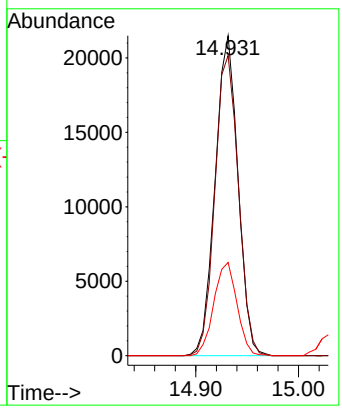





#93
1,2,4-Trichlorobenzene
Concen: 19.770 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:180 Resp: 3317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.3 | 47.9 | 143.7 |
| 145 | 29.5 | 15.9 | 47.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
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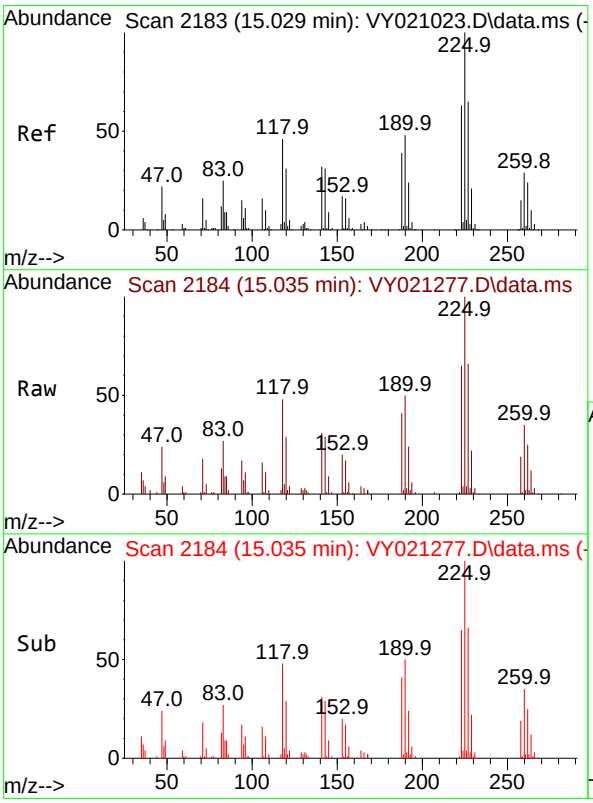
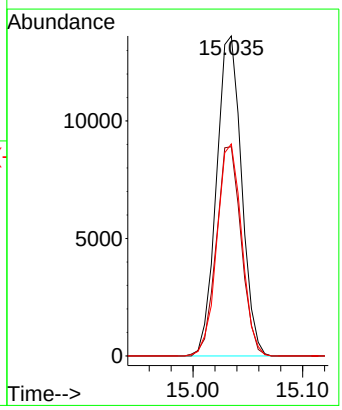
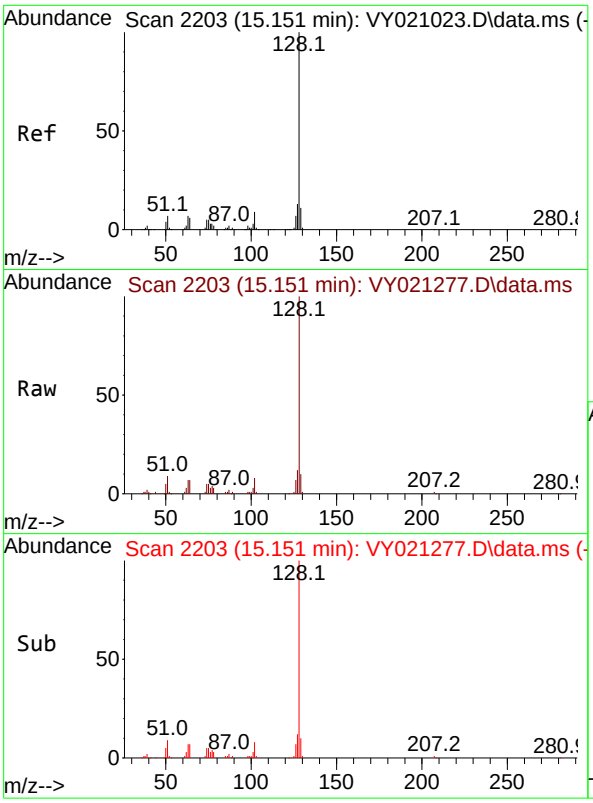



#94
Hexachlorobutadiene
Concen: 19.486 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:225 Resp: 21668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.9 | 31.4 | 94.3 |
| 227 | 65.3 | 32.3 | 96.8 |

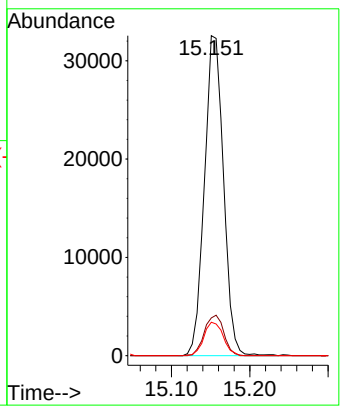





#95
Naphthalene
Concen: 20.504 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:128 Resp: 5504

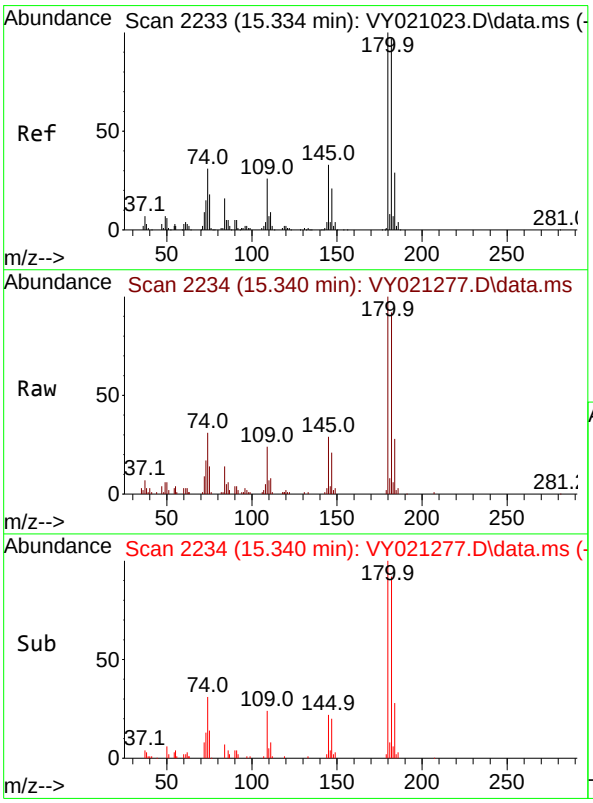
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.4 |
| 129 | 10.6 | 8.6 | 12.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

**Manual Integrations**
**APPROVED**

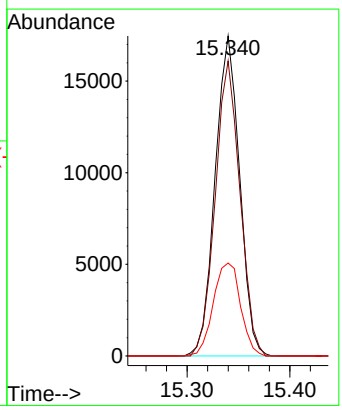
Reviewed By :Romaben Patel 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025




#96
1,2,3-Trichlorobenzene
Concen: 20.702 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:180 Resp: 28910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.7 | 46.3 | 138.8 |
| 145 | 32.2 | 16.1 | 48.2 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0226SBS01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0226SBS01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021322.D | 1 | | 02/26/25 11:22 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.020 | | 0.0017 | 0.0040 | 0.0050 | mg/Kg |
| 74-87-3 | Chloromethane | 0.019 | | 0.0012 | 0.0025 | 0.0050 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.019 | | 0.00077 | 0.0025 | 0.0050 | mg/Kg |
| 74-83-9 | Bromomethane | 0.019 | | 0.0010 | 0.0040 | 0.0050 | mg/Kg |
| 75-00-3 | Chloroethane | 0.019 | | 0.0010 | 0.0025 | 0.0050 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.094 | | 0.0052 | 0.013 | 0.025 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.019 | | 0.00091 | 0.0040 | 0.0050 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.020 | | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.019 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.096 | | 0.0050 | 0.013 | 0.025 | mg/Kg |
| 67-64-1 | Acetone | 0.095 | | 0.0062 | 0.020 | 0.025 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.019 | | 0.0013 | 0.0040 | 0.0050 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.019 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.019 | | 0.0034 | 0.0080 | 0.010 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.019 | | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.019 | | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.093 | | 0.0057 | 0.020 | 0.025 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.019 | | 0.00087 | 0.0025 | 0.0050 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.019 | | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.019 | | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 67-66-3 | Chloroform | 0.019 | | 0.00067 | 0.0040 | 0.0050 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.019 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.019 | | 0.00073 | 0.0025 | 0.0050 | mg/Kg |
| 71-43-2 | Benzene | 0.019 | | 0.00072 | 0.0025 | 0.0050 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.019 | | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.019 | | 0.00075 | 0.0025 | 0.0050 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.019 | | 0.00066 | 0.0025 | 0.0050 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.020 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.019 | | 0.00056 | 0.0025 | 0.0050 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.093 | | 0.0044 | 0.013 | 0.025 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0226SBS01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0226SBS01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021322.D | 1 | | 02/26/25 11:22 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.019 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.019 | | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.019 | | 0.00057 | 0.0025 | 0.0050 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.019 | | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.019 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.094 | | 0.0048 | 0.013 | 0.025 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.019 | | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.019 | | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.019 | | 0.00089 | 0.0025 | 0.0050 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.019 | | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.020 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.019 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.039 | | 0.0014 | 0.0050 | 0.010 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.058 | | 0.0021 | 0.0075 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.019 | | 0.00070 | 0.0025 | 0.0050 | mg/Kg |
| 100-42-5 | Styrene | 0.019 | | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 75-25-2 | Bromoform | 0.019 | | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.019 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.019 | | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.016 | | 0.0012 | 0.0040 | 0.0050 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.019 | | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.019 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.019 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.020 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.019 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.019 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.019 | | 0.0014 | 0.0025 | 0.0050 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.020 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.019 | | 0.00058 | 0.0025 | 0.0050 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.019 | | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.019 | | 0.00080 | 0.0025 | 0.0050 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0226SBS01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0226SBS01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021322.D | 1 | | 02/26/25 11:22 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.019 | | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.019 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.019 | | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.018 | | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.019 | | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.018 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.017 | | 0.00080 | 0.0025 | 0.0050 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.7 | | 71 - 136 | | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.4 | | 78 - 119 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 47.6 | | 85 - 116 | | 95% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.3 | | 79 - 119 | | 95% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 184000 | 7.707 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 291000 | 8.615 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 255000 | 11.414 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 129000 | 13.346 | | | | |

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_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 184417 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.615 | 114 | 291138 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 254891 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 128725 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 97685 | 46.693 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 93.380% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 90492 | 47.410 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 94.820% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 351200 | 47.609 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 95.220% | | | |
| 62) 4-Bromofluorobenzene | 12.407 | 95 | 117404 | 47.291 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 94.580% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 34125 | 19.517 | ug/l | 97 |
| 3) Chloromethane | 2.068 | 50 | 42771 | 18.941 | ug/l | 96 |
| 4) Vinyl Chloride | 2.202 | 62 | 42765 | 19.295 | ug/l | 98 |
| 5) Bromomethane | 2.592 | 94 | 28297 | 19.212 | ug/l | 100 |
| 6) Chloroethane | 2.732 | 64 | 26124 | 19.007 | ug/l | 95 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 63673 | 19.022 | ug/l | 100 |
| 8) Diethyl Ether | 3.452 | 74 | 19334 | 19.245 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 38299 | 19.763 | ug/l | 98 |
| 10) Methyl Iodide | 4.007 | 142 | 37750 | 18.516 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.854 | 59 | 13942 | 86.641 | ug/l # | 90 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 35305 | 19.026 | ug/l | 96 |
| 13) Acrolein | 3.653 | 56 | 20005 | 162.231 | ug/l | 95 |
| 14) Allyl chloride | 4.385 | 41 | 62973 | 19.141 | ug/l | 98 |
| 15) Acrylonitrile | 5.061 | 53 | 42599 | 95.903 | ug/l | 99 |
| 16) Acetone | 3.872 | 43 | 38073 | 94.873 | ug/l | 99 |
| 17) Carbon Disulfide | 4.104 | 76 | 114721 | 18.619 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 18152 | 18.509 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 5.110 | 73 | 93663 | 19.105 | ug/l | 100 |
| 20) Methylene Chloride | 4.610 | 84 | 40120 | 18.488 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 38871 | 19.029 | ug/l | 97 |
| 22) Diisopropyl ether | 6.018 | 45 | 134550 | 19.764 | ug/l | 100 |
| 23) Vinyl Acetate | 5.957 | 43 | 386141 | 94.917 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 73384 | 19.125 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 56272 | 92.910 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 66242 | 19.026 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 44795 | 19.204 | ug/l | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 30330 | 17.864 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 37274 | 94.152 | ug/l | 98 |
| 30) Chloroform | 7.421 | 83 | 75017 | 19.294 | ug/l | 99 |
| 31) Cyclohexane | 7.701 | 56 | 69642 | 18.881 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 67879 | 19.180 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 55184 | 19.247 | ug/l | 100 |
| 37) Ethyl Acetate | 6.988 | 43 | 28035 | 19.657 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 61214 | 18.991 | ug/l | 96 |
| 39) Methylcyclohexane | 9.109 | 83 | 68527 | 18.897 | ug/l | 97 |
| 40) Benzene | 8.079 | 78 | 163641 | 19.308 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 12920m | 16.203 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 46152 | 19.193 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.195 | 43 | 51417 | 18.626 | ug/l | | 99 |
| 44) Trichloroethene | 8.865 | 130 | 40770 | 19.214 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 39037 | 19.139 | ug/l | | 95 |
| 46) Dibromomethane | 9.231 | 93 | 21795 | 19.549 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.420 | 83 | 56650 | 19.056 | ug/l | | 97 |
| 48) Methyl methacrylate | 9.219 | 41 | 25014 | 19.377 | ug/l | | 99 |
| 49) 1,4-Dioxane | 9.231 | 88 | 4576 | 369.128 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 131838 | 93.298 | ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 101381 | 19.255 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 51842 | 19.034 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 61986 | 19.278 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 27740 | 19.099 | ug/l | | 97 |
| 56) Ethyl methacrylate | 10.438 | 69 | 37632 | 18.751 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 49393 | 19.380 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 87093 | 90.414 | ug/l | | 100 |
| 59) 2-Hexanone | 10.761 | 43 | 87008 | 93.755 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.908 | 129 | 38212 | 19.318 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 25849 | 18.799 | ug/l | | 96 |
| 64) Tetrachloroethene | 10.646 | 164 | 36984 | 19.197 | ug/l | | 97 |
| 65) Chlorobenzene | 11.444 | 112 | 108578 | 18.977 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 39302 | 19.617 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.517 | 91 | 192592 | 19.003 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 147929 | 38.806 | ug/l | | 100 |
| 69) o-Xylene | 11.956 | 106 | 69071 | 19.342 | ug/l | | 99 |
| 70) Styrene | 11.969 | 104 | 114447 | 19.262 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 21872 | 19.083 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 184435 | 19.058 | ug/l | | 100 |
| 74) N-amyl acetate | 12.072 | 43 | 44104 | 17.930 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 32169 | 18.835 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 20053m | 15.563 | ug/l | | |
| 77) Bromobenzene | 12.529 | 156 | 42599 | 18.925 | ug/l | | 98 |
| 78) n-propylbenzene | 12.596 | 91 | 226845 | 19.317 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 128526 | 19.070 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 155422 | 19.582 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 10066 | 17.364 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 133936 | 19.171 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 136788 | 19.079 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 152431 | 19.310 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 204066 | 19.486 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 167856 | 19.195 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 85257 | 19.148 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 84570 | 19.226 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 155625 | 18.911 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 34224 | 18.736 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 73256 | 18.778 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 5025 | 18.599 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 42148 | 17.702 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 27956 | 18.650 | ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 68106 | 17.269 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 36072 | 17.931 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations APPROVED**

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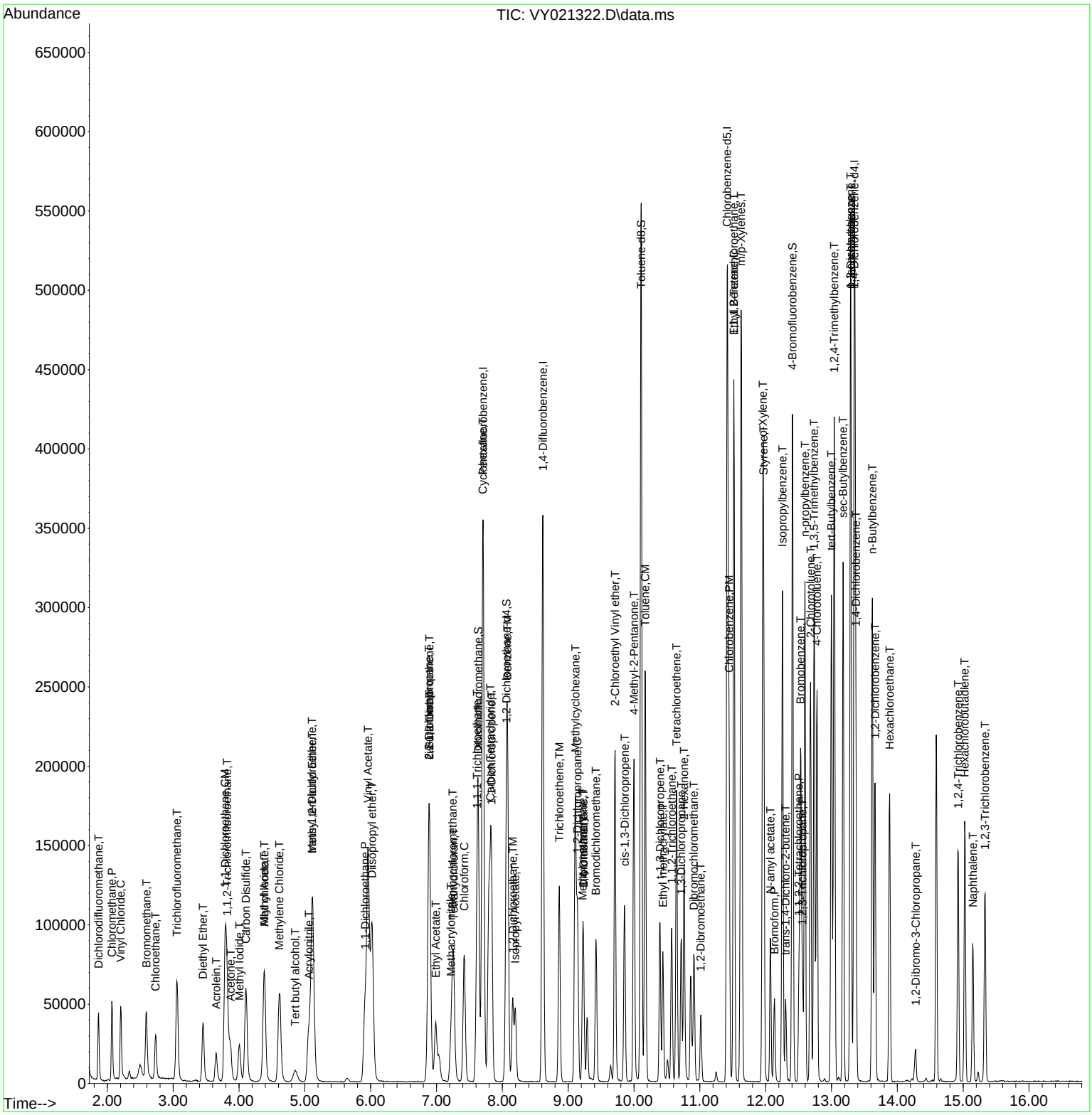
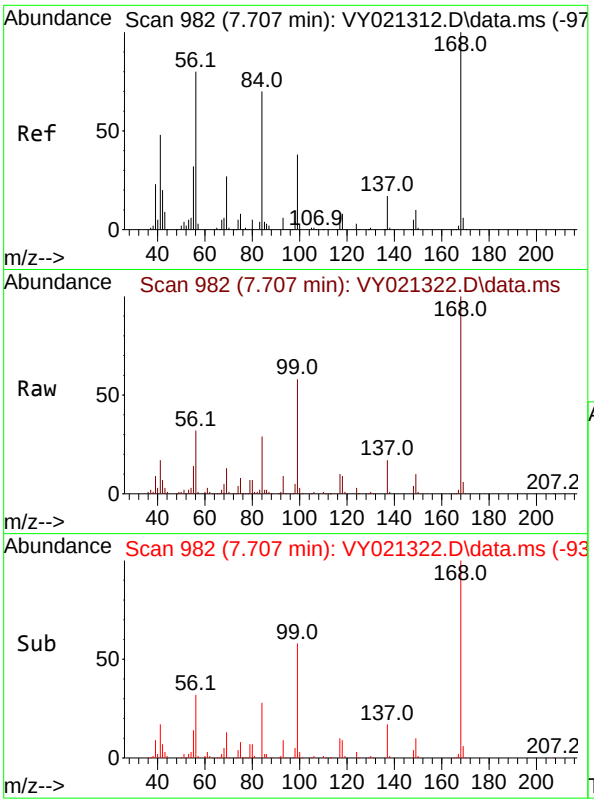
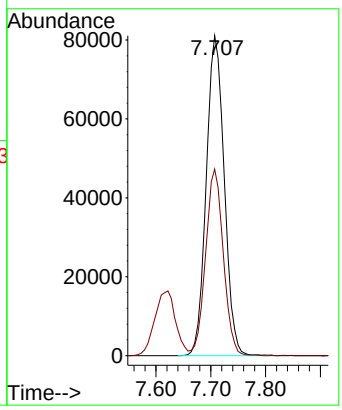





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:168 Resp: 18441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.3 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

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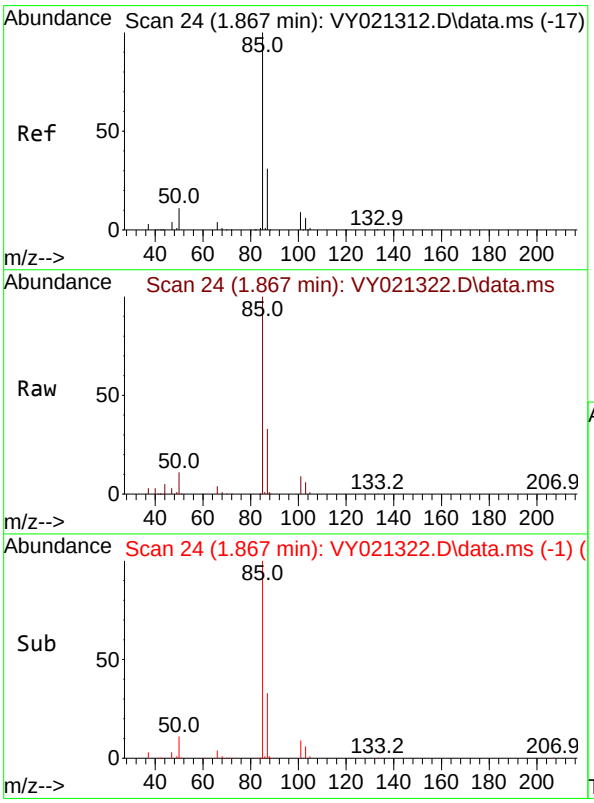
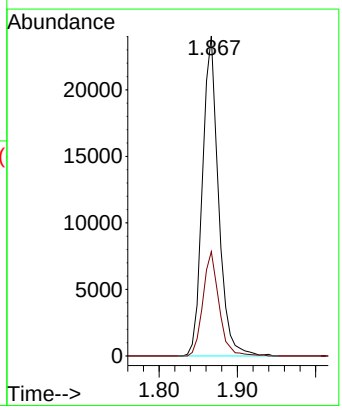
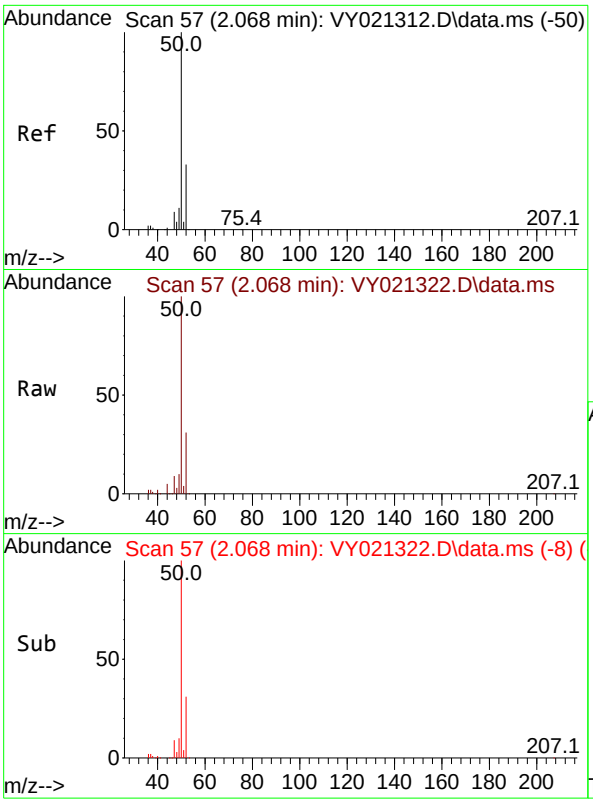



#2
Dichlorodifluoromethane
Concen: 19.517 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 85 Resp: 34125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 15.4 | 46.4 |

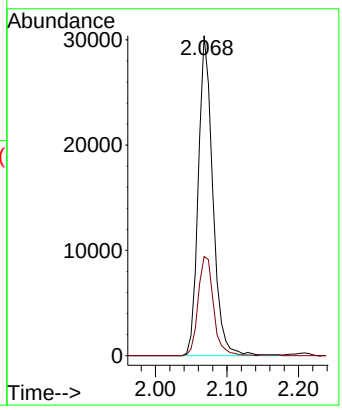





#3
Chloromethane
Concen: 18.941 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 50 Resp: 4277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.0 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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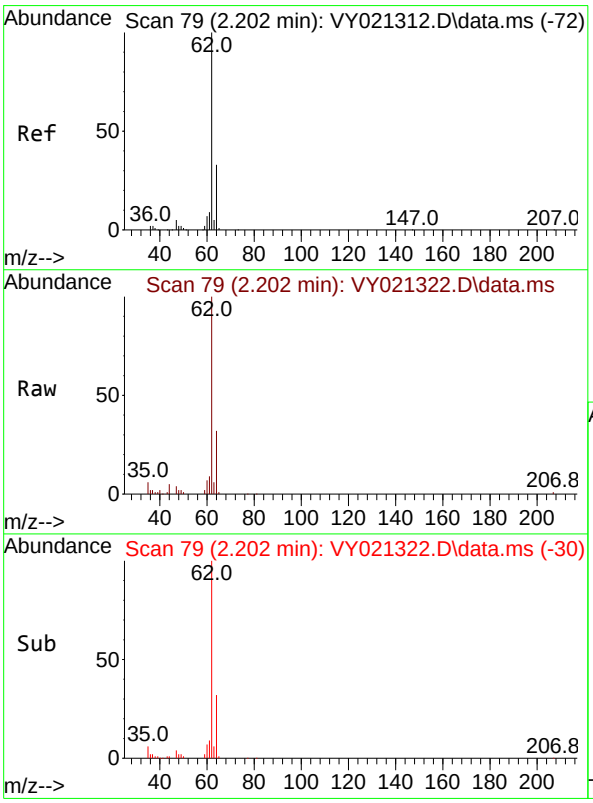
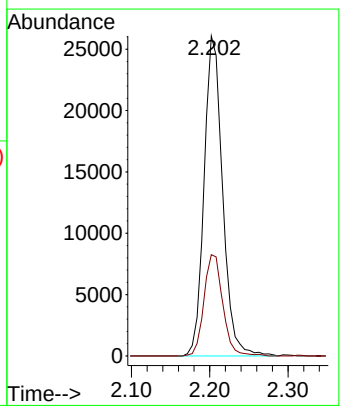
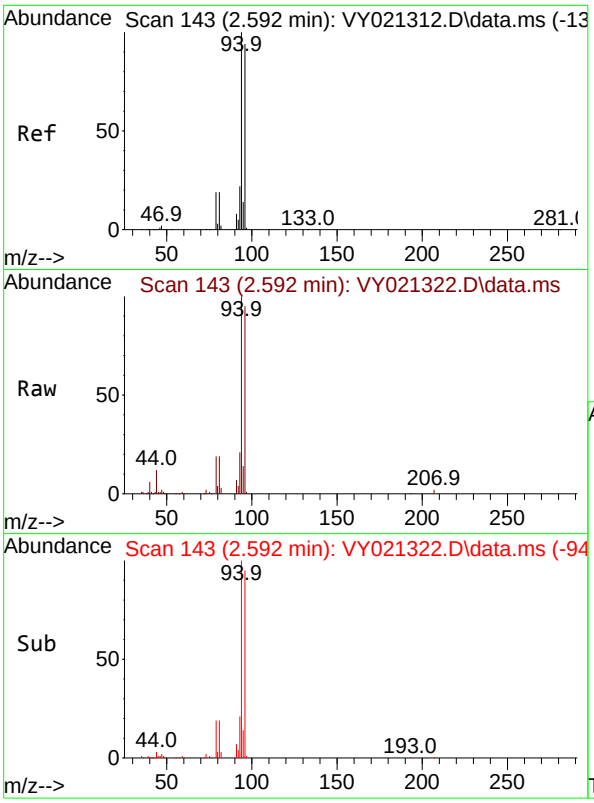



#4
Vinyl Chloride
Concen: 19.295 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 42765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 26.3 | 39.5 |

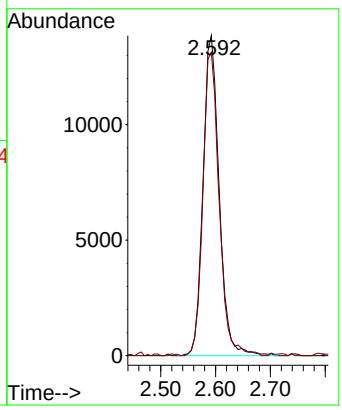





#5
Bromomethane
Concen: 19.212 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 94 Resp: 2829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.4 | 75.2 | 112.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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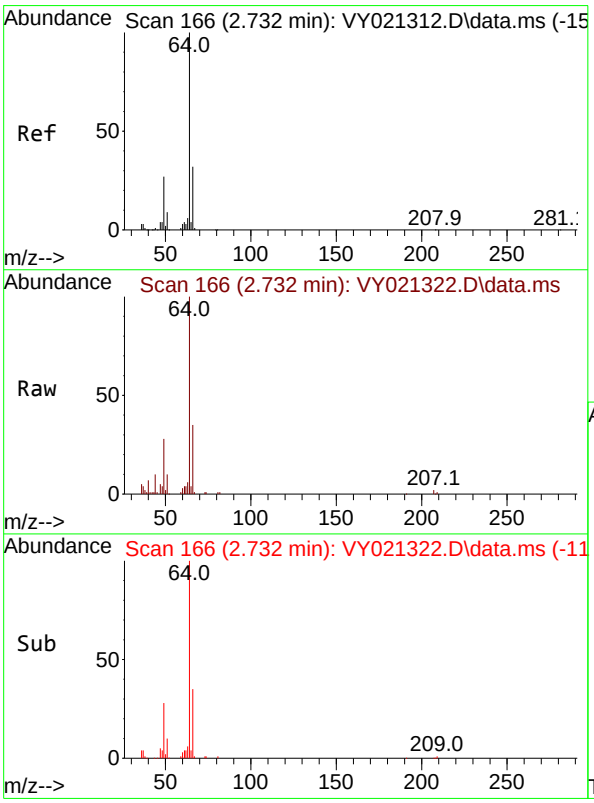
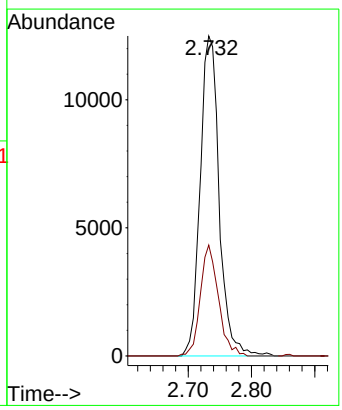
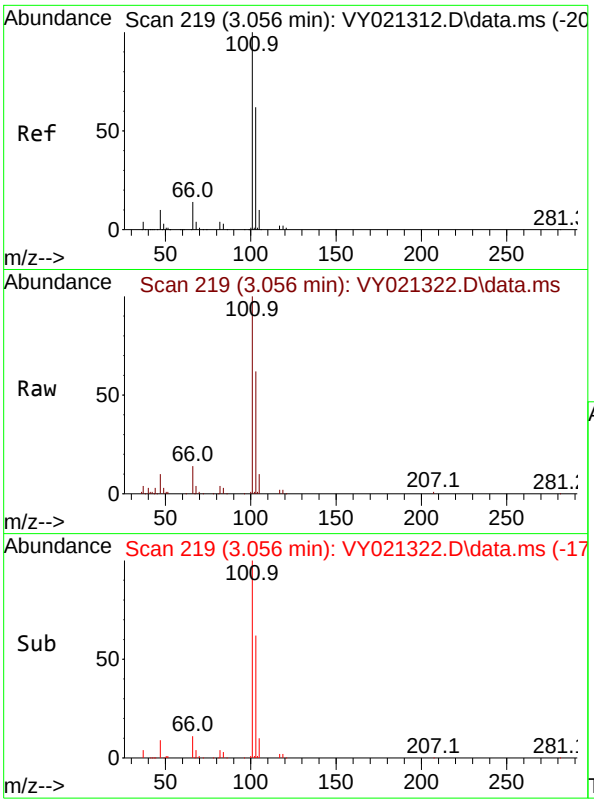



#6
Chloroethane
Concen: 19.007 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 64 Resp: 26124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.6 | 25.4 | 38.0 |

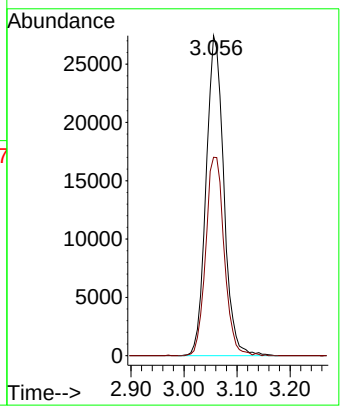





#7
Trichlorofluoromethane
Concen: 19.022 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:101 Resp: 6367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.0 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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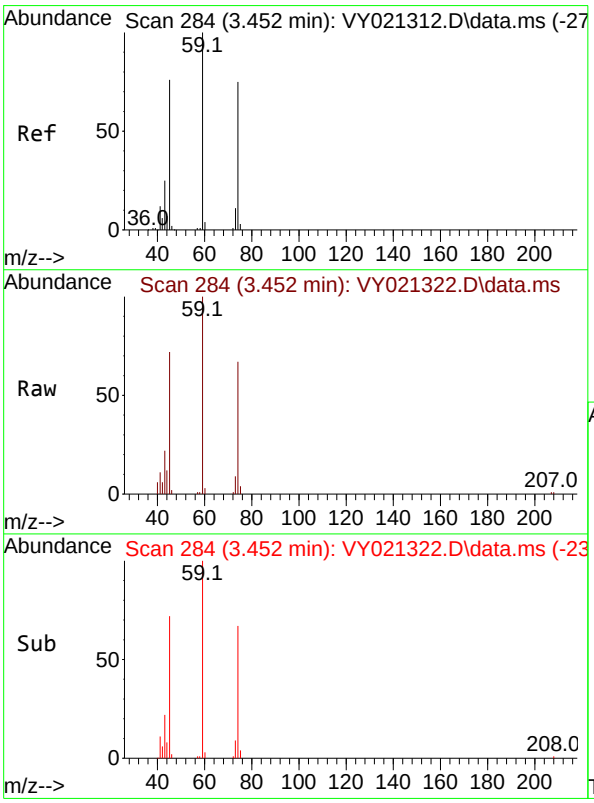
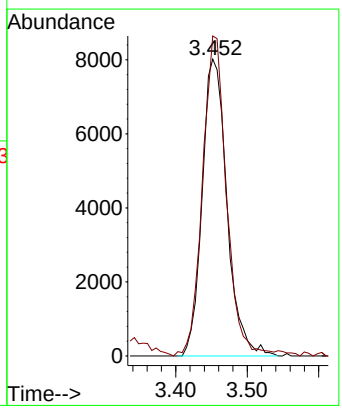
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

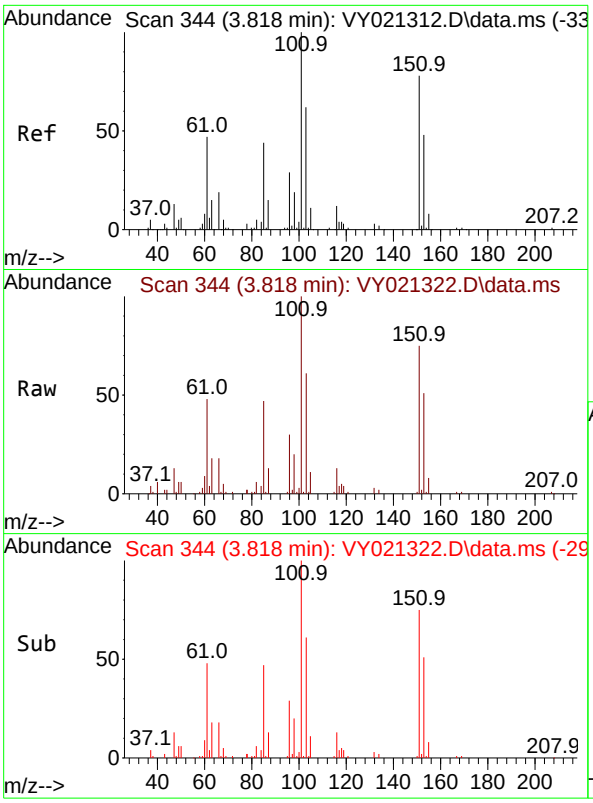



#8
Diethyl Ether
Concen: 19.245 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 74 Resp: 19334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.1 | 50.3 | 150.9 |

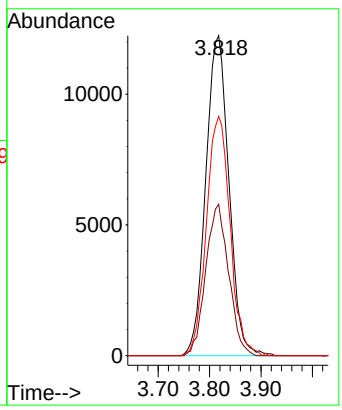





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.763 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:101 Resp: 3829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.9 | 36.7 | 55.1 |
| 151 | 76.6 | 62.6 | 94.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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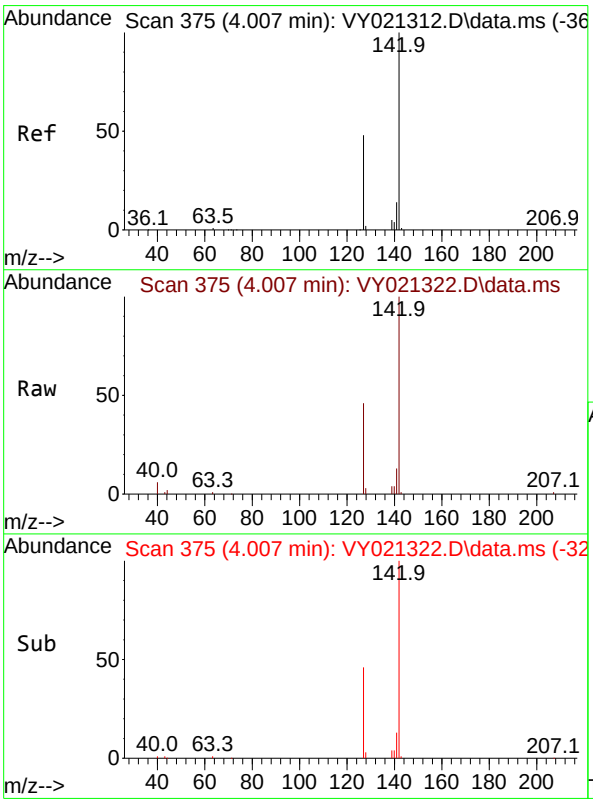
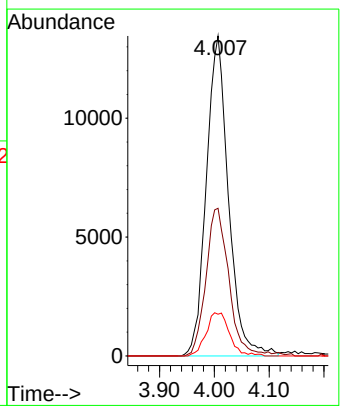
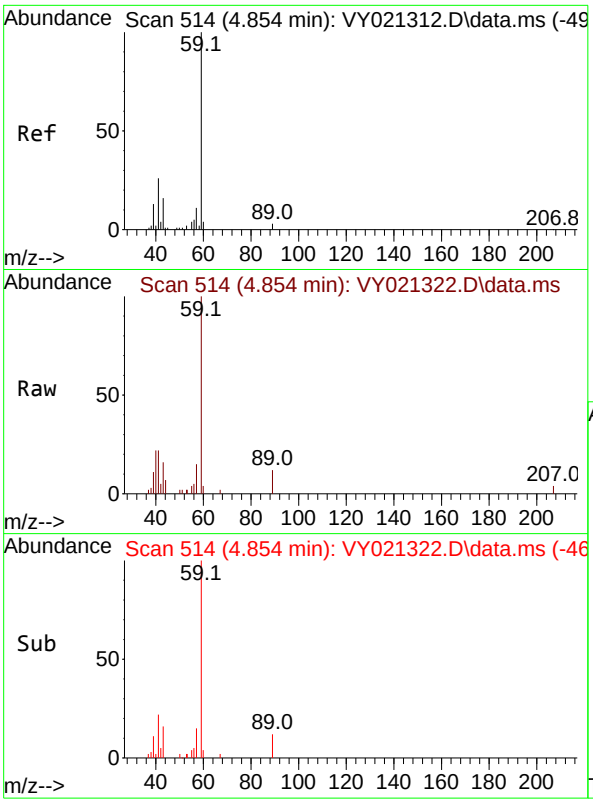



#10
Methyl Iodide
Concen: 18.516 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:142 Resp: 37750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.7 | 39.2 | 58.8 |
| 141 | 14.3 | 11.4 | 17.2 |

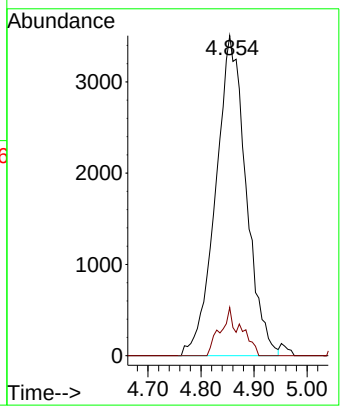





#11
Tert butyl alcohol
Concen: 86.641 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 59 Resp: 1394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 6.7 | 8.3 | 12.5# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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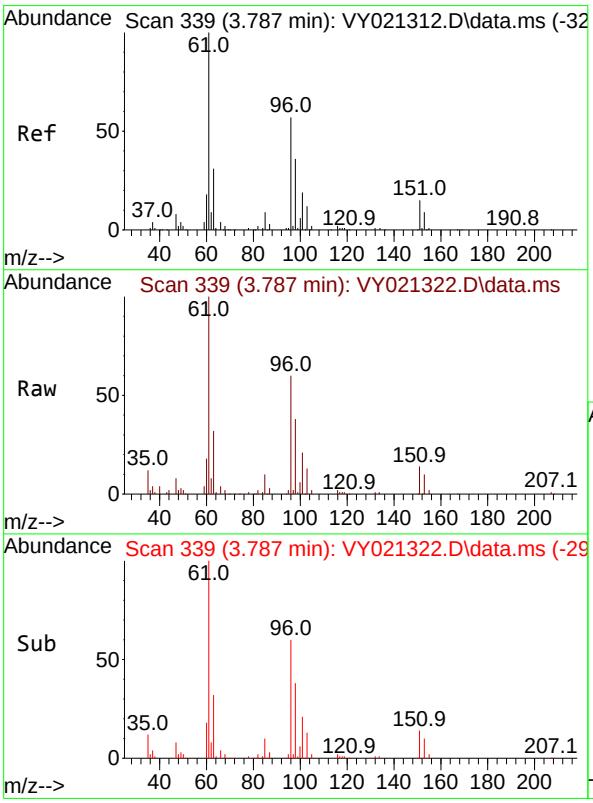
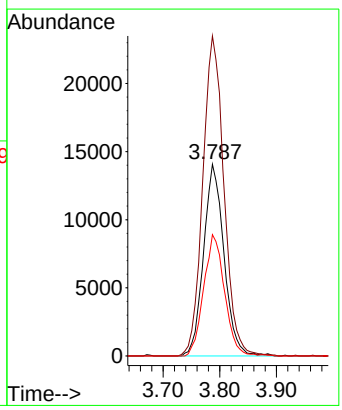
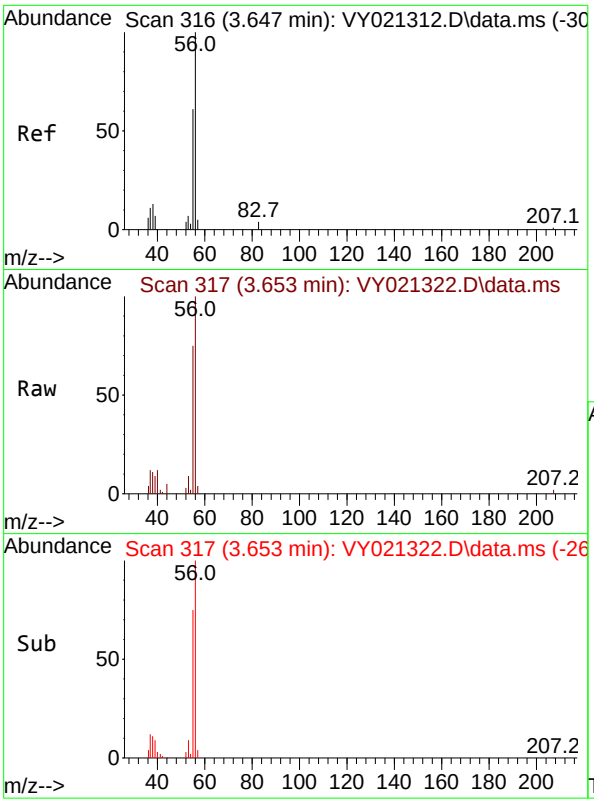



#12
1,1-Dichloroethene
Concen: 19.026 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 35305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 167.0 | 139.7 | 209.5 |
| 98 | 63.3 | 49.7 | 74.5 |

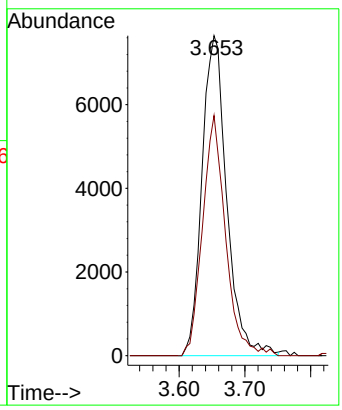





#13
Acrolein
Concen: 162.231 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 56 Resp: 2000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.9 | 59.0 | 88.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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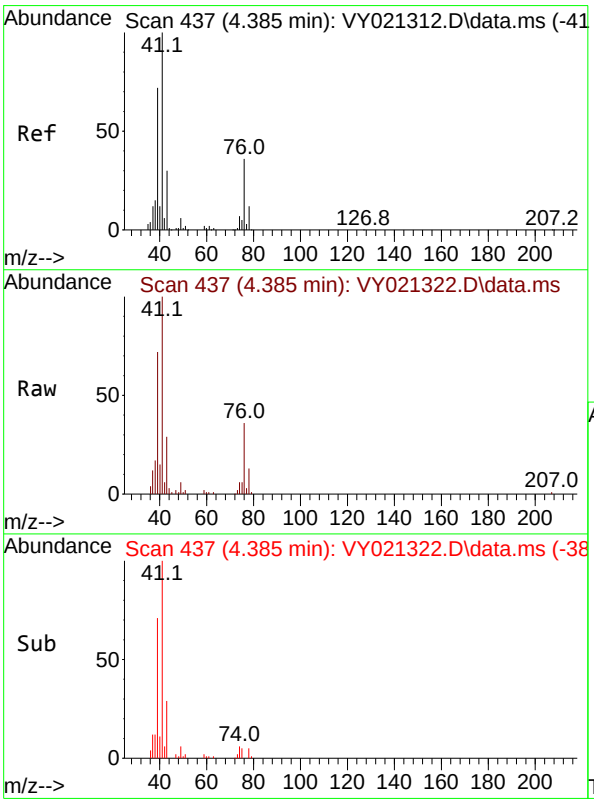
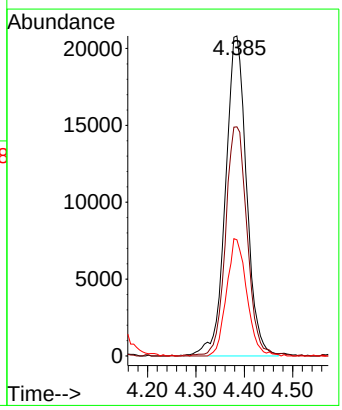
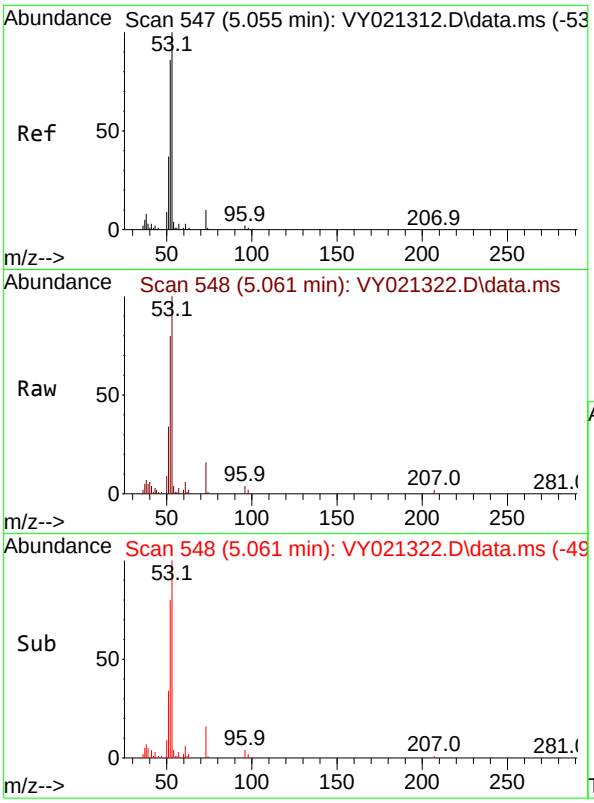



#14
Allyl chloride
Concen: 19.141 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 62973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.4 | 60.0 | 90.0 |
| 76 | 35.3 | 29.0 | 43.6 |

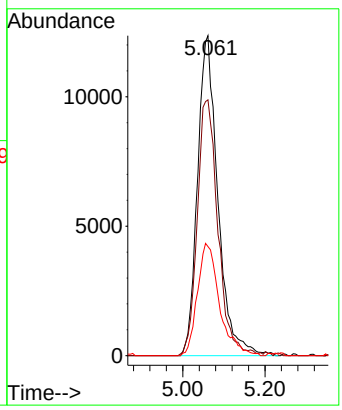





#15
Acrylonitrile
Concen: 95.903 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 53 Resp: 4259

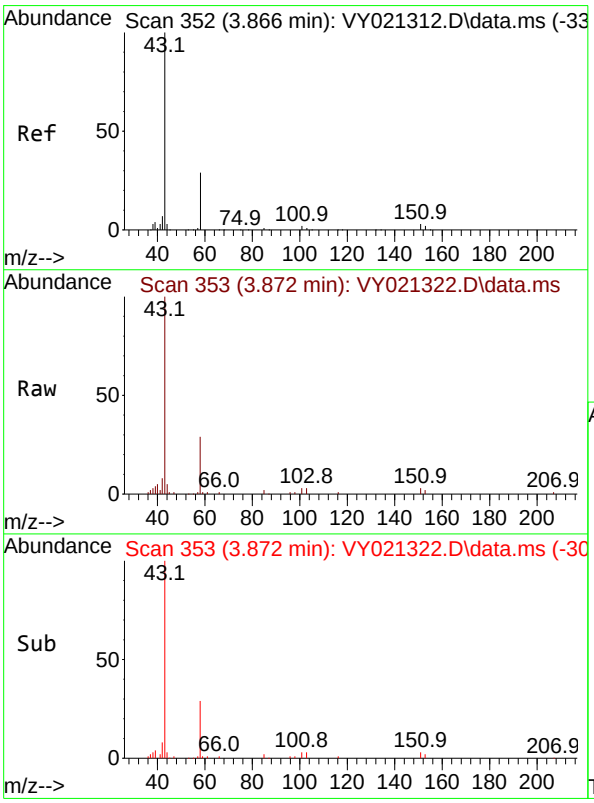
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.9 | 65.5 | 98.3 |
| 51 | 38.0 | 30.6 | 46.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

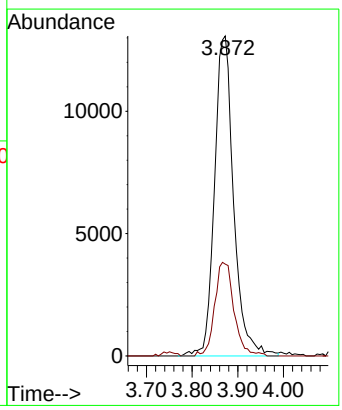
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

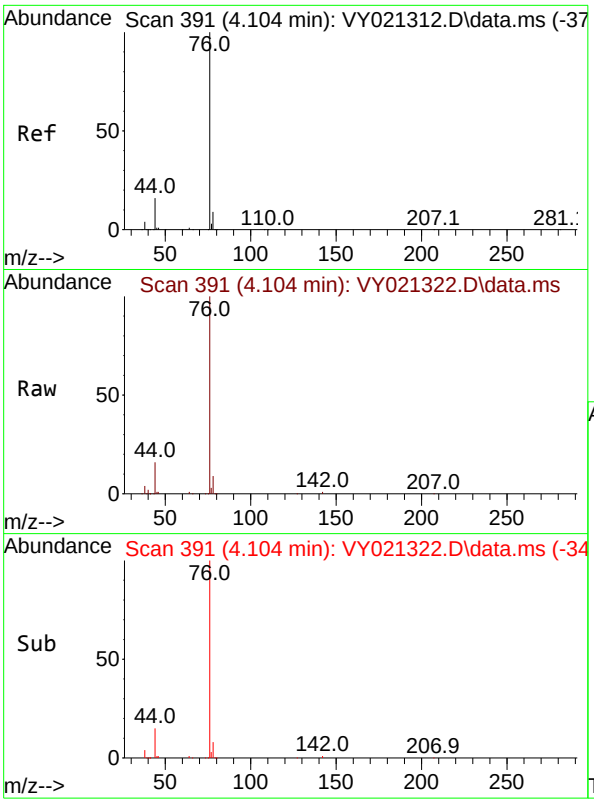



#16
Acetone
Concen: 94.873 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 38073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 23.5 | 35.3 |

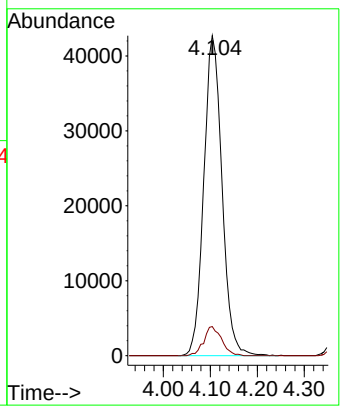





#17
Carbon Disulfide
Concen: 18.619 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 76 Resp: 11472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
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VY0226SBS01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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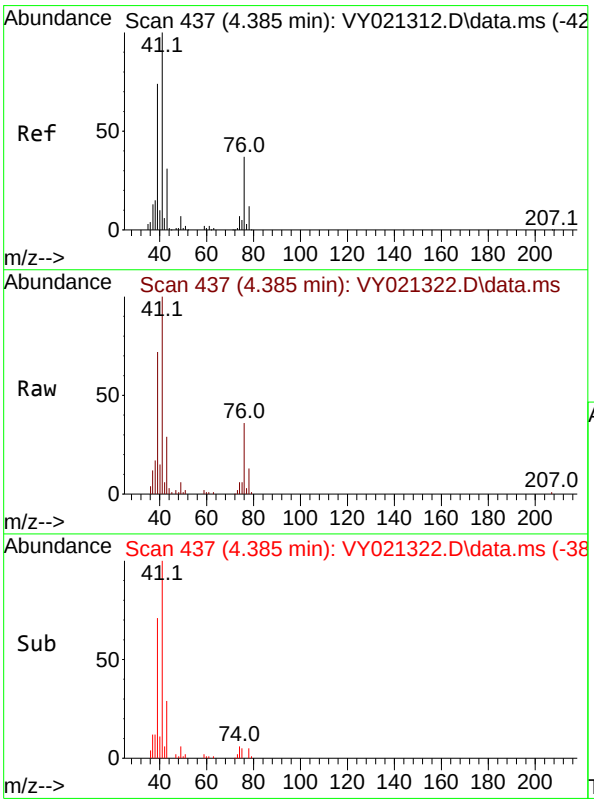
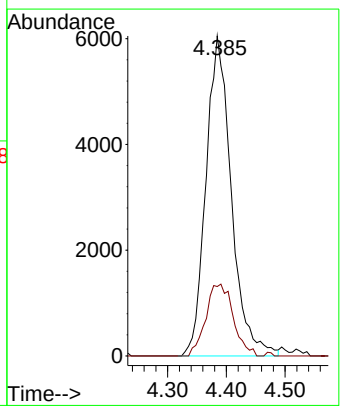
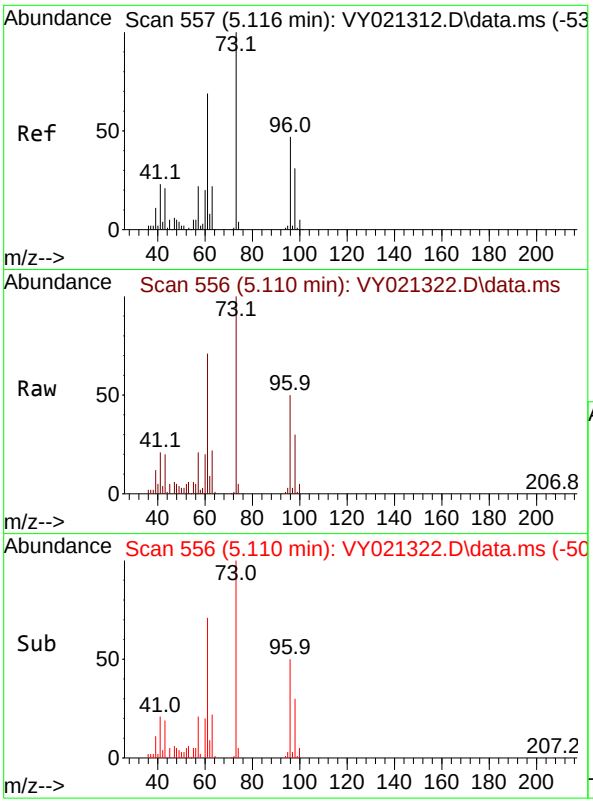



#18
Methyl Acetate
Concen: 18.509 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 18152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.2 | 17.7 | 26.5 |

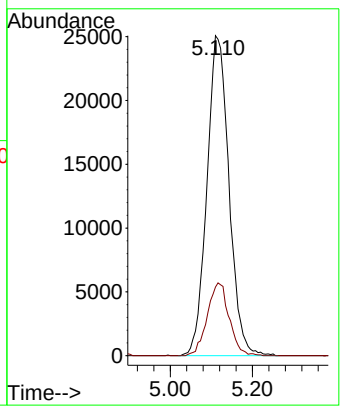





#19
Methyl tert-butyl Ether
Concen: 19.105 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 73 Resp: 9366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.5 | 17.4 | 26.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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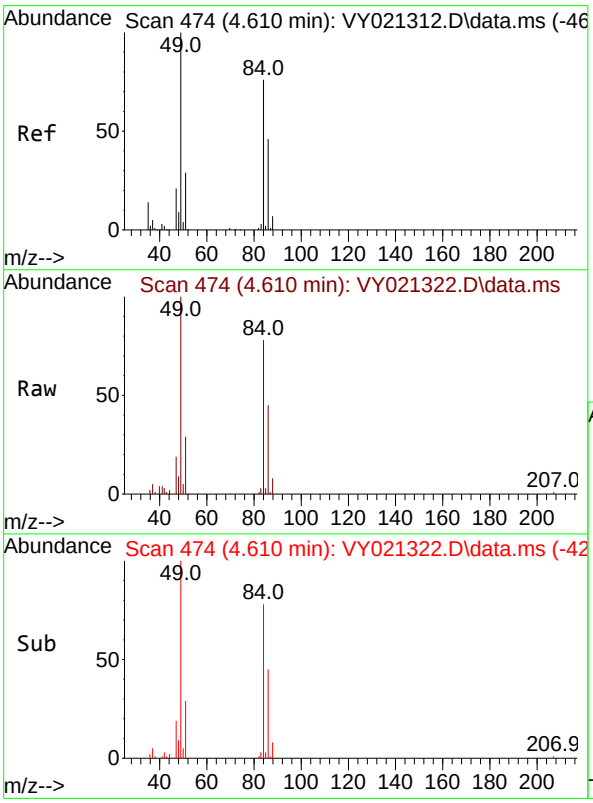
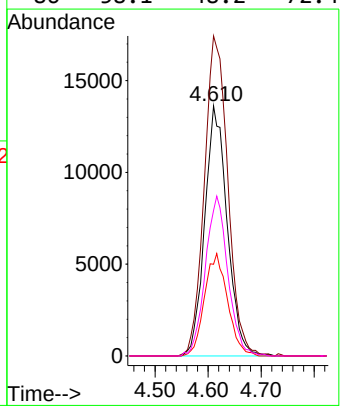
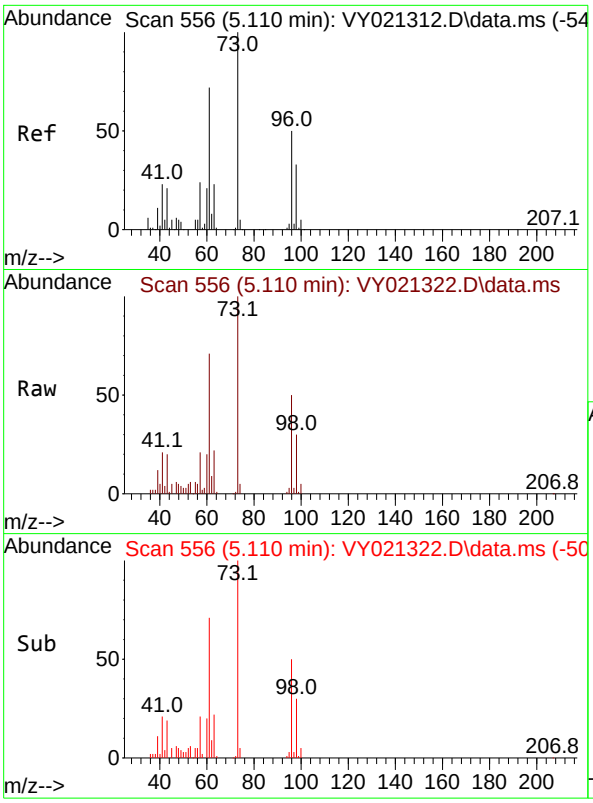



#20
Methylene Chloride
Concen: 18.488 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 84 Resp: 40120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 128.0 | 105.1 | 157.7 |
| 51 | 36.7 | 31.0 | 46.4 |
| 86 | 58.1 | 48.2 | 72.4 |

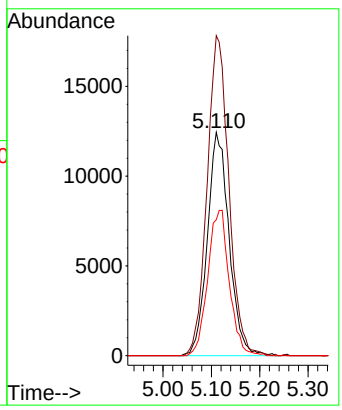





#21
trans-1,2-Dichloroethene
Concen: 19.029 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 3887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.3 | 116.3 | 174.5 |
| 98 | 60.9 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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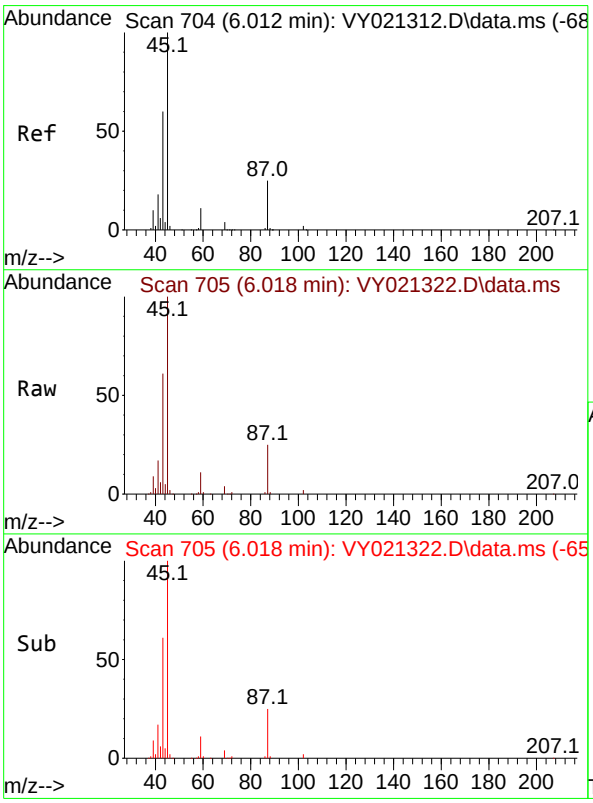
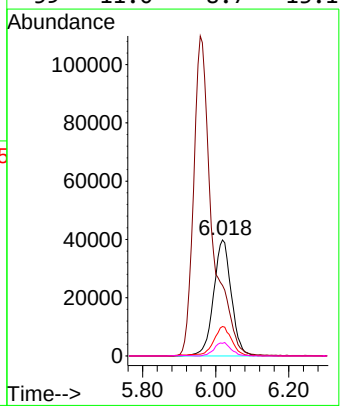
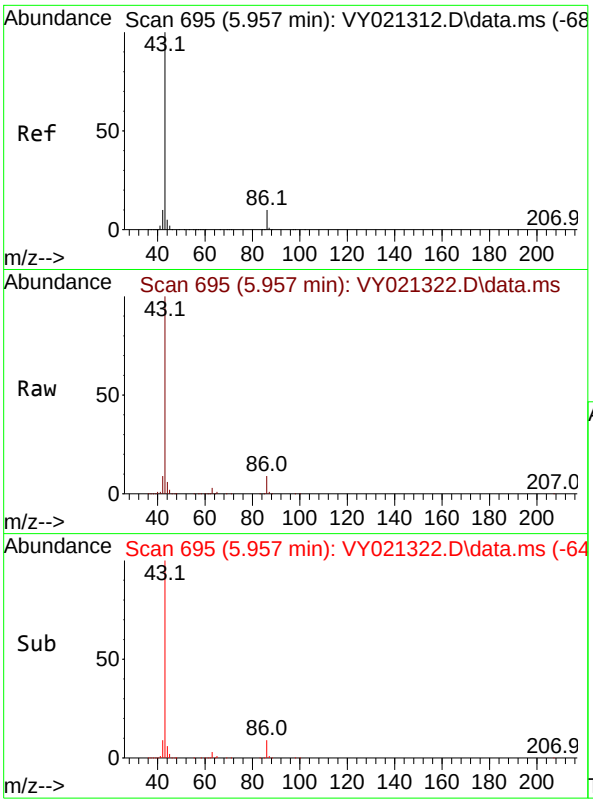



#22
Diisopropyl ether
Concen: 19.764 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 45 Resp: 134550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 60.5 | 48.2 | 72.4 |
| 87 | 25.4 | 20.3 | 30.5 |
| 59 | 11.0 | 8.7 | 13.1 |

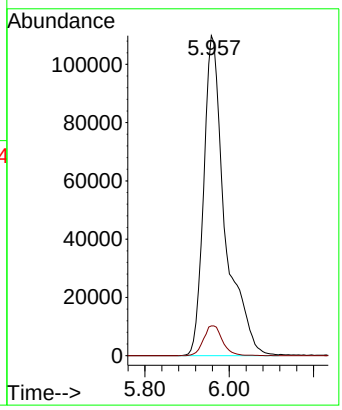





#23
Vinyl Acetate
Concen: 94.917 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 38614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.3 | 8.0 | 12.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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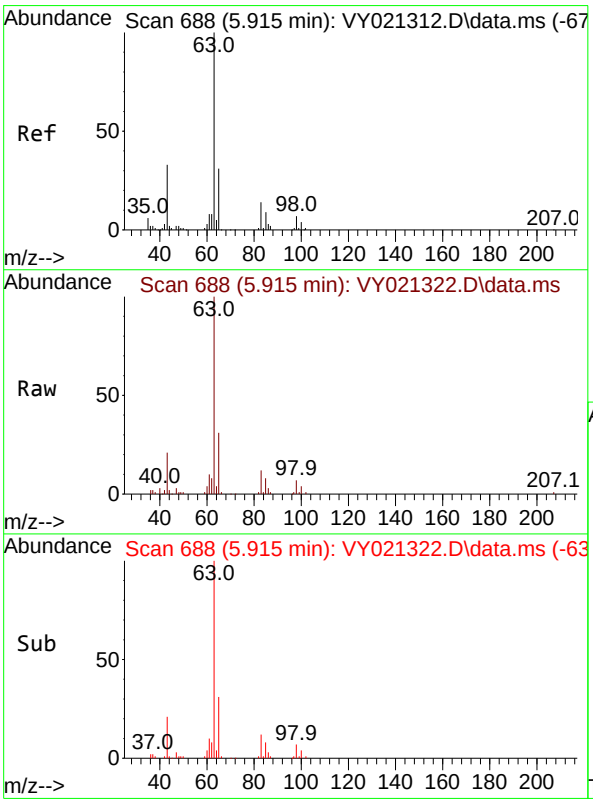
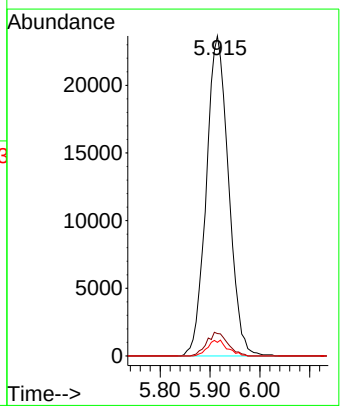
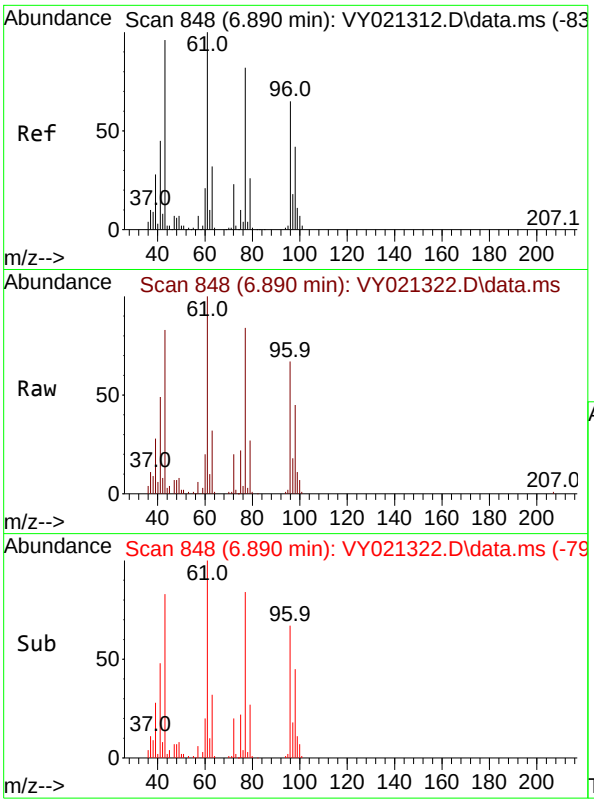



#24
1,1-Dichloroethane
Concen: 19.125 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 73384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.7 | 11.1 |
| 100 | 4.3 | 2.1 | 6.5 |






#25
2-Butanone
Concen: 92.910 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

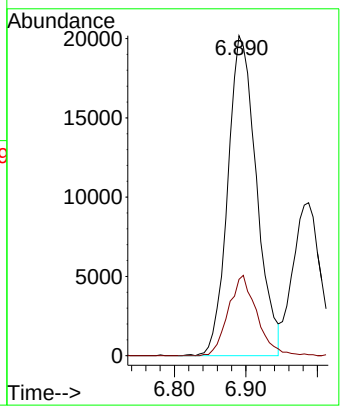
Tgt Ion: 43 Resp: 5627

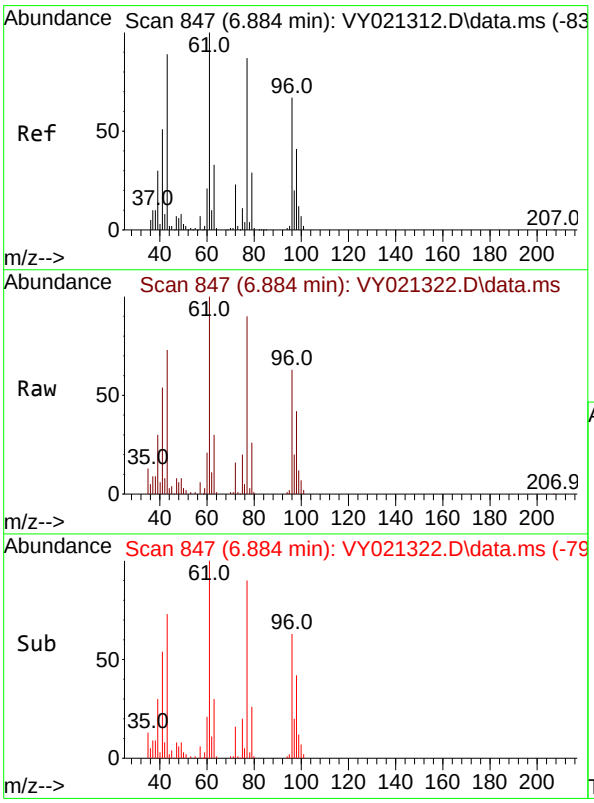
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.9 | 19.0 | 28.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

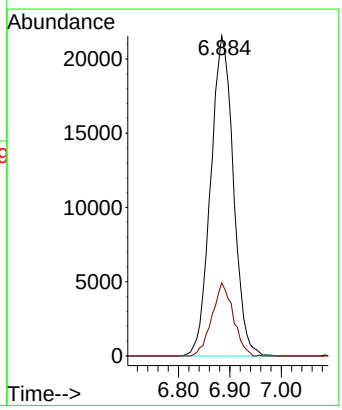


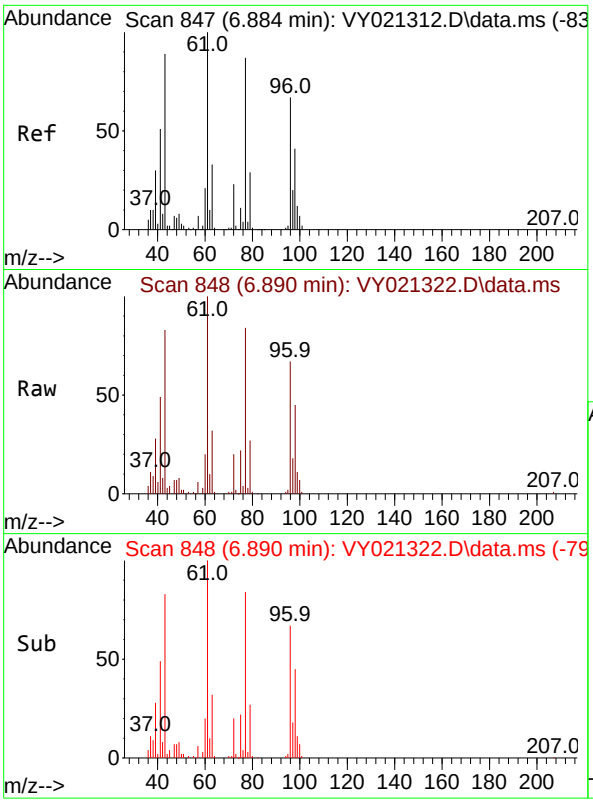




#26
2,2-Dichloropropane
Concen: 19.026 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 77 Resp: 66242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.4 | 10.9 | 32.7 |

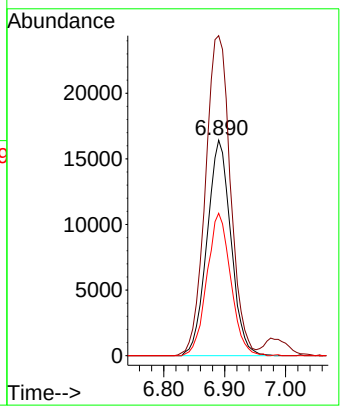





#27
cis-1,2-Dichloroethene
Concen: 19.204 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 4479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.5 | 0.0 | 308.0 |
| 98 | 65.6 | 0.0 | 129.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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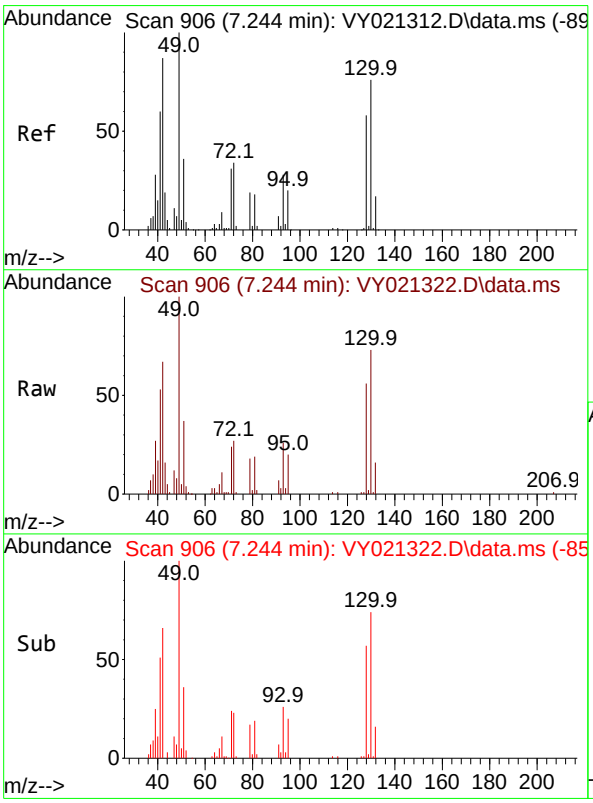
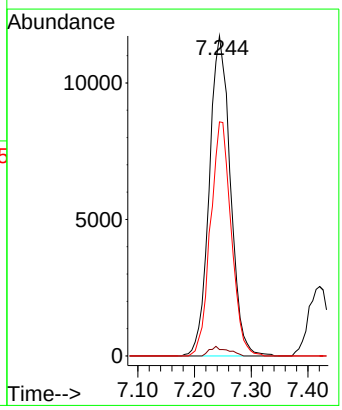
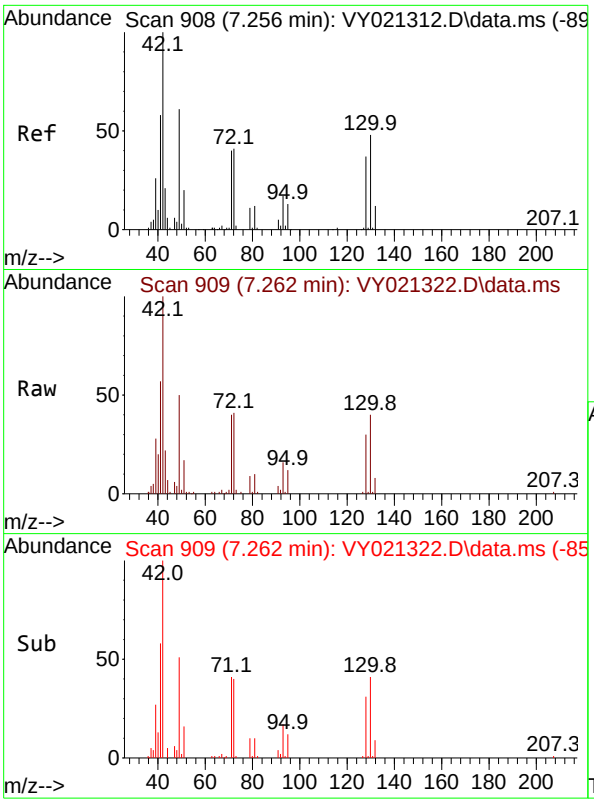



#28
Bromochloromethane
Concen: 17.864 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 49 Resp: 30330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.6 | 0.0 | 4.0 |
| 130 | 71.7 | 57.8 | 86.6 |

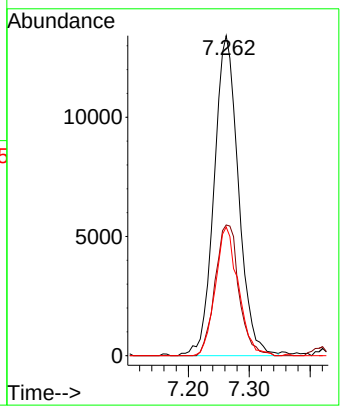





#29
Tetrahydrofuran
Concen: 94.152 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 42 Resp: 3727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.0 | 33.1 | 49.7 |
| 71 | 38.0 | 31.4 | 47.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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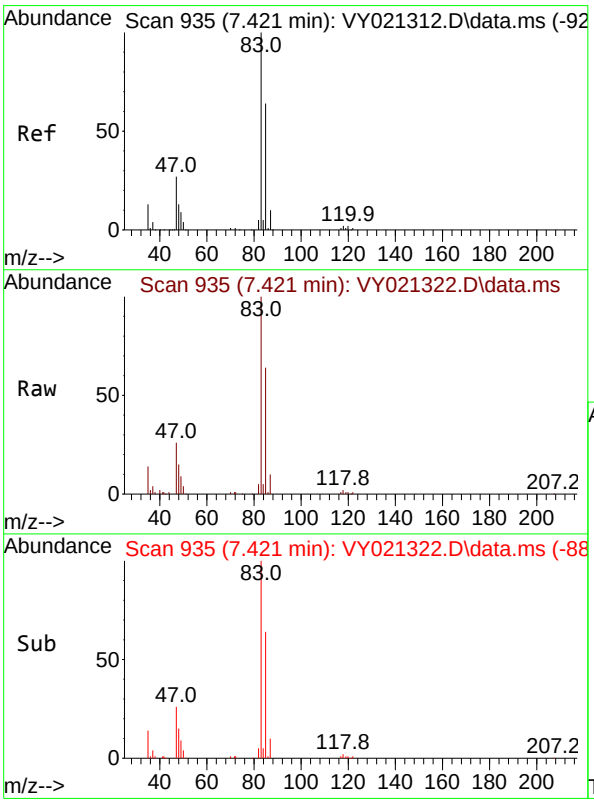
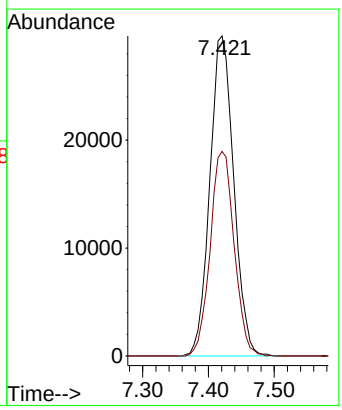
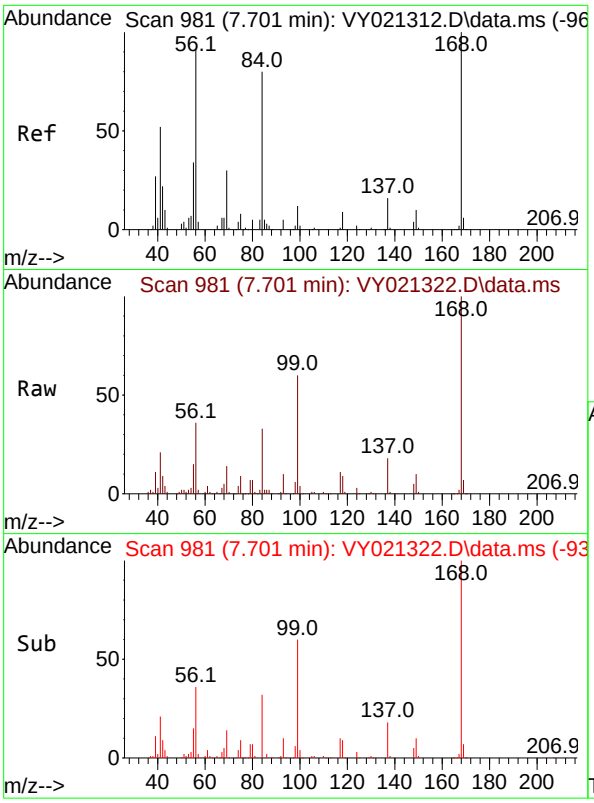



#30
Chloroform
Concen: 19.294 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 75017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 51.6 | 77.4 |

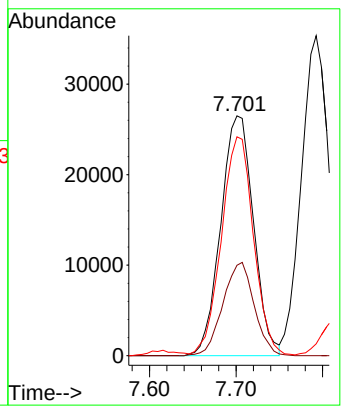





#31
Cyclohexane
Concen: 18.881 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 56 Resp: 6964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 37.7 | 26.2 | 39.4 |
| 84 | 90.1 | 70.2 | 105.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

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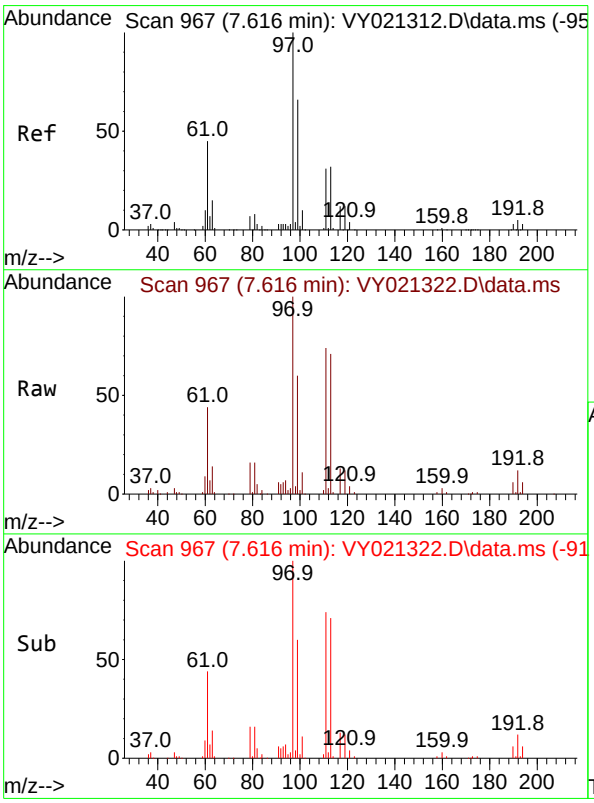
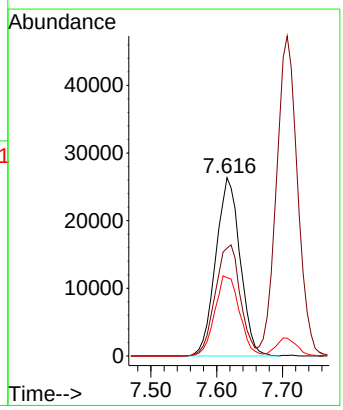
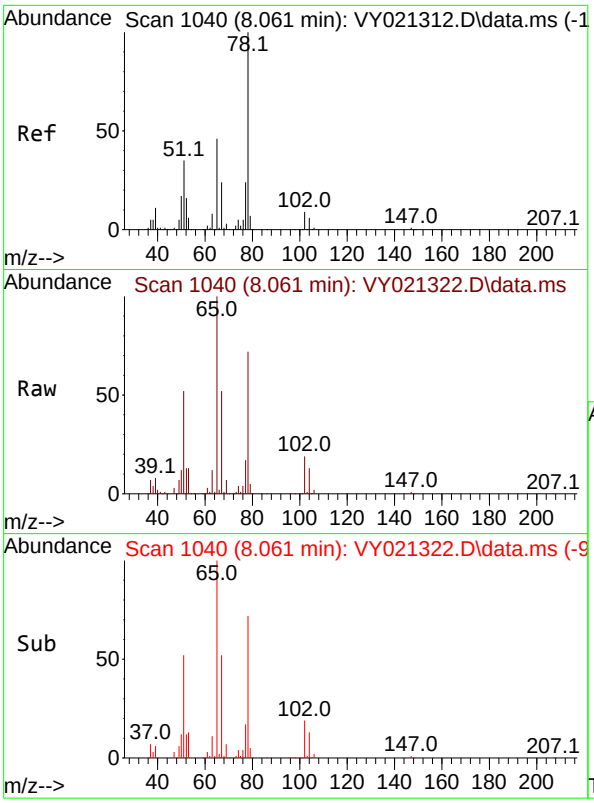



#32
1,1,1-Trichloroethane
Concen: 19.180 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 97 Resp: 67879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.9 | 52.4 | 78.6 |
| 61 | 45.6 | 36.2 | 54.2 |

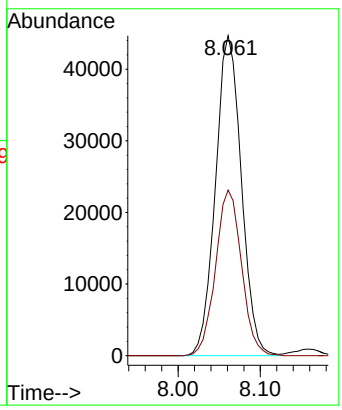





#33
1,2-Dichloroethane-d4
Concen: 46.693 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 65 Resp: 9768

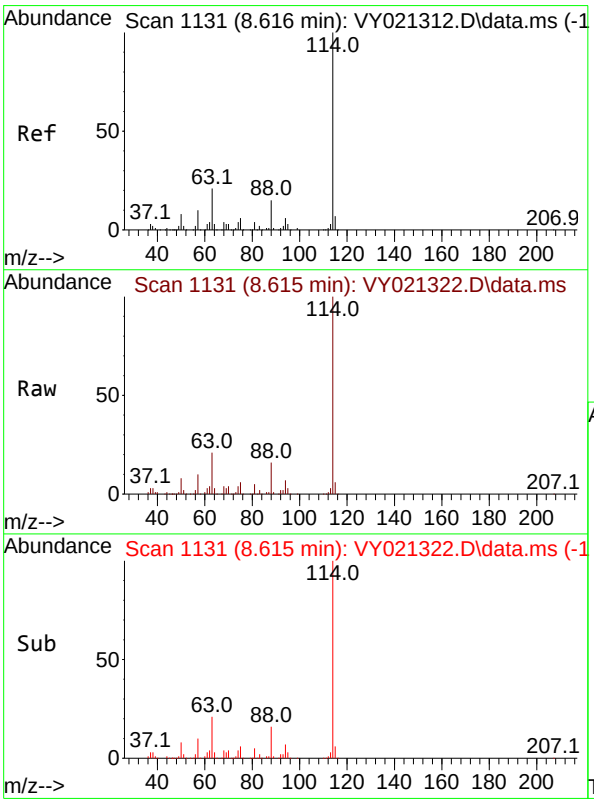
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 103.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

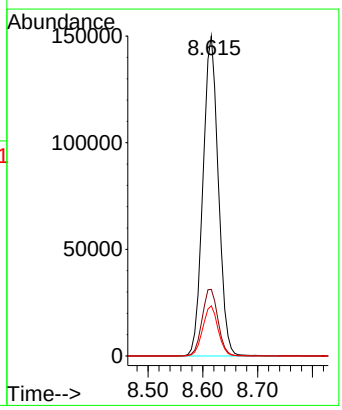
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

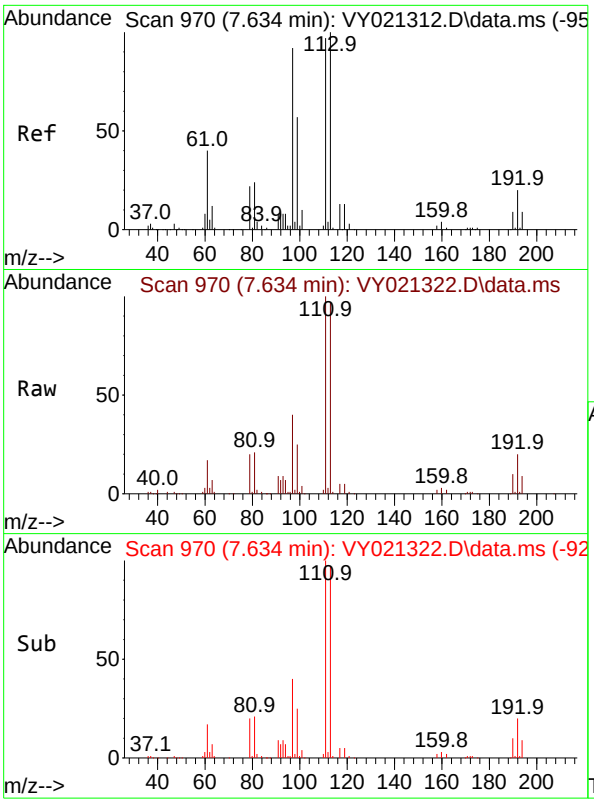



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:114 Resp: 291138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 42.2 |
| 88 | 15.6 | 0.0 | 29.8 |

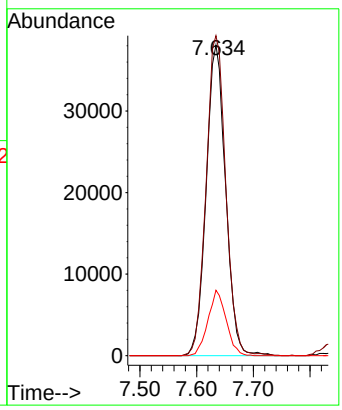





#35
Dibromofluoromethane
Concen: 47.410 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:113 Resp: 9049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.2 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/27/2025
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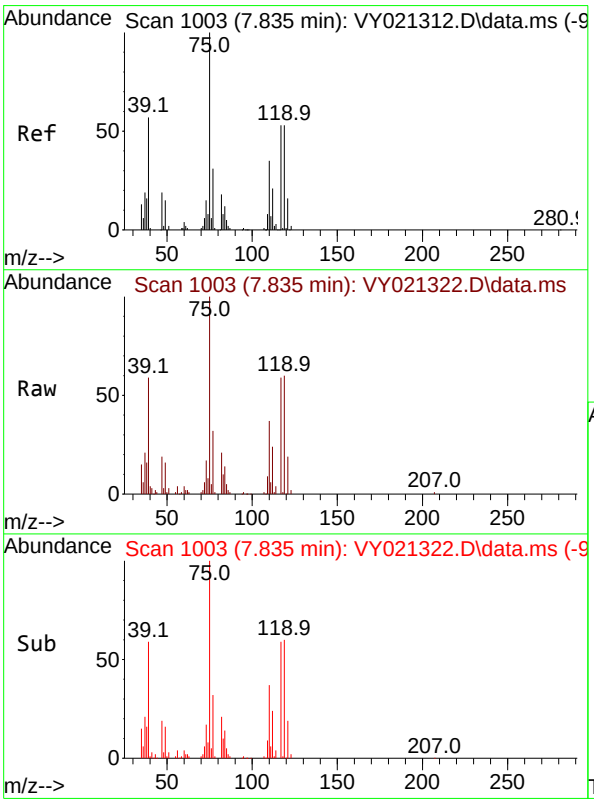
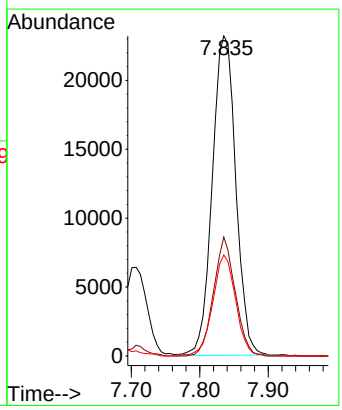
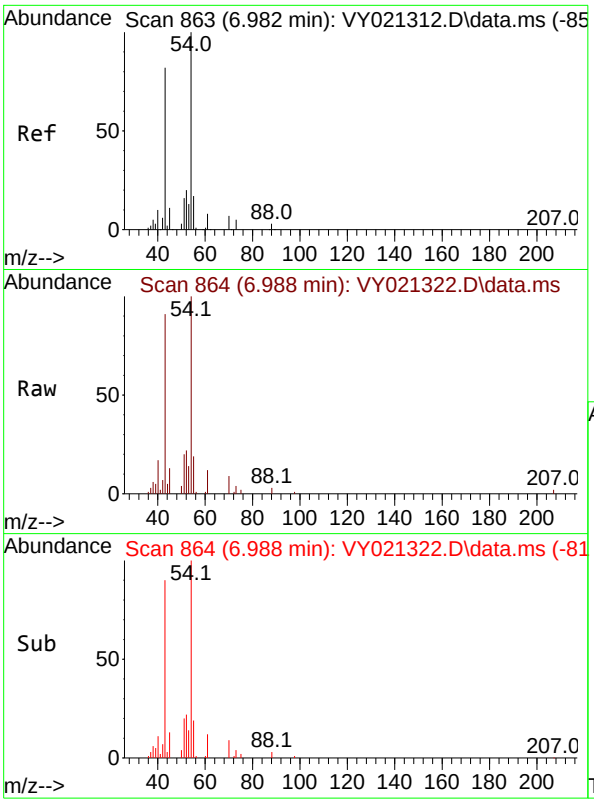



#36
1,1-Dichloropropene
Concen: 19.247 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 55184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 16.9 | 50.7 |
| 77 | 30.8 | 24.6 | 36.8 |






#37
Ethyl Acetate
Concen: 19.657 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 2803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.1 | 10.4 | 15.6 |
| 70 | 8.5 | 7.5 | 11.3 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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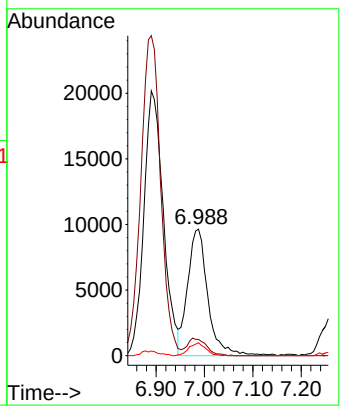
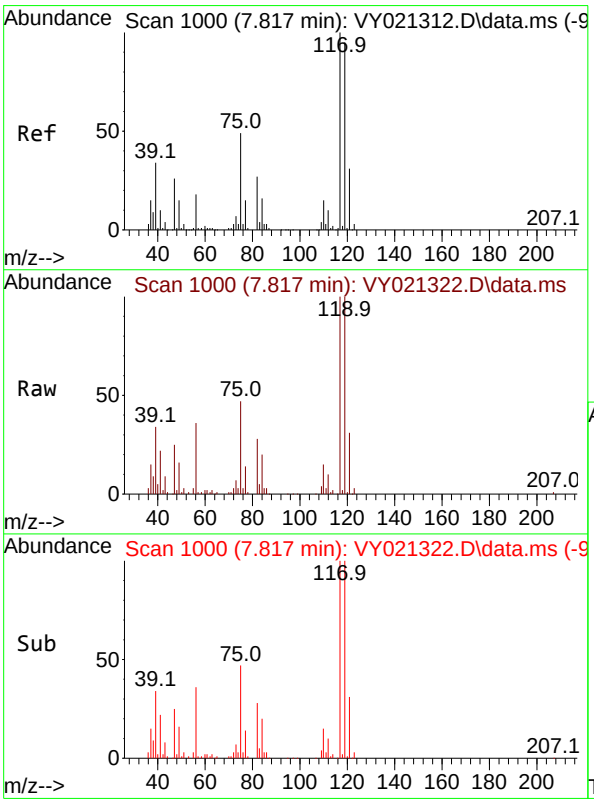
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

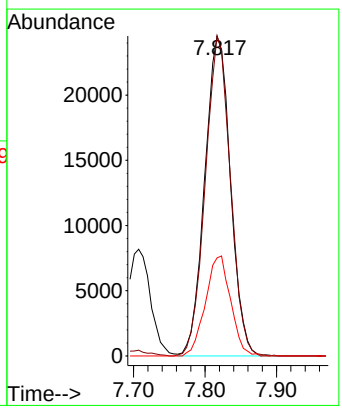


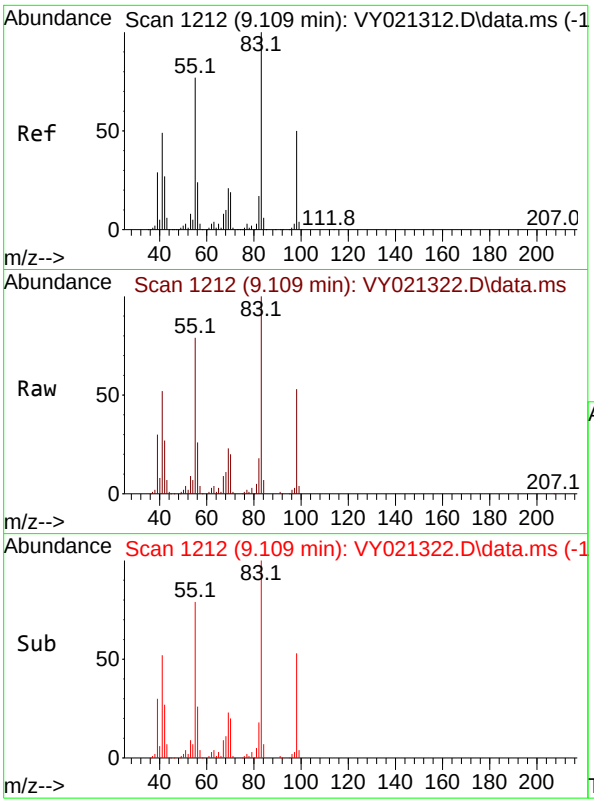




#38
Carbon Tetrachloride
Concen: 18.991 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 61214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 100.1 | 76.0 | 114.0 |
| 121 | 30.7 | 24.9 | 37.3 |

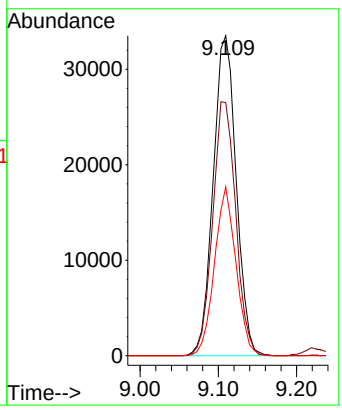





#39
Methylcyclohexane
Concen: 18.897 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 6852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.1 | 61.3 | 91.9 |
| 98 | 52.7 | 39.9 | 59.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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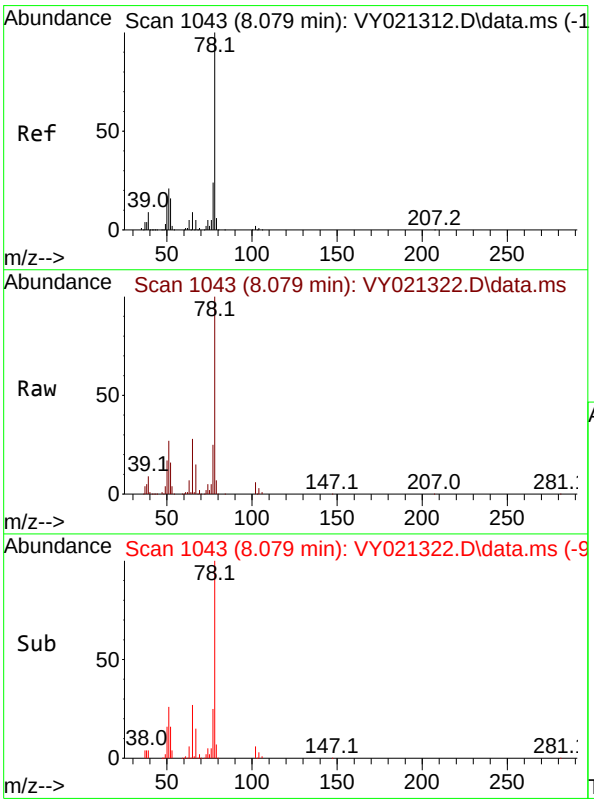
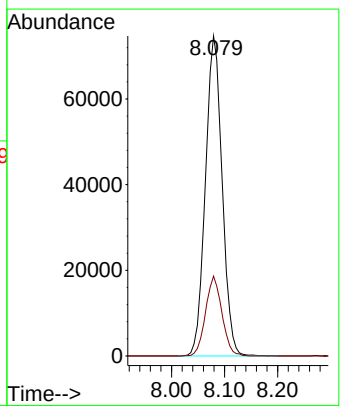
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

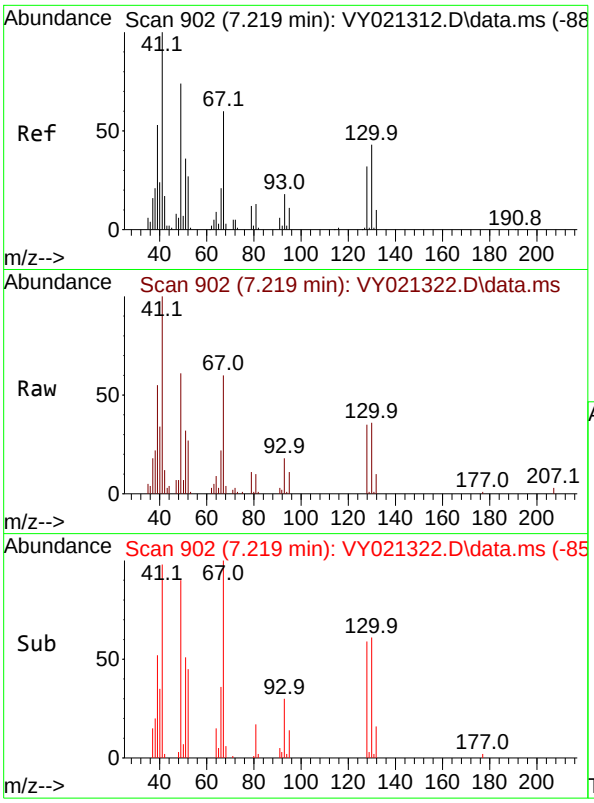



#40
Benzene
Concen: 19.308 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 78 Resp: 163641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.0 | 19.2 | 28.8 |

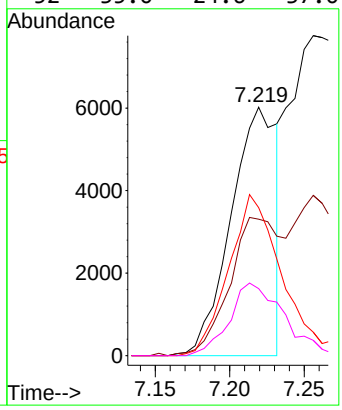





#41
Methacrylonitrile
Concen: 16.203 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 1292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 64.9 | 42.3 | 63.5 |
| 67 | 74.9 | 54.8 | 82.2 |
| 52 | 35.0 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

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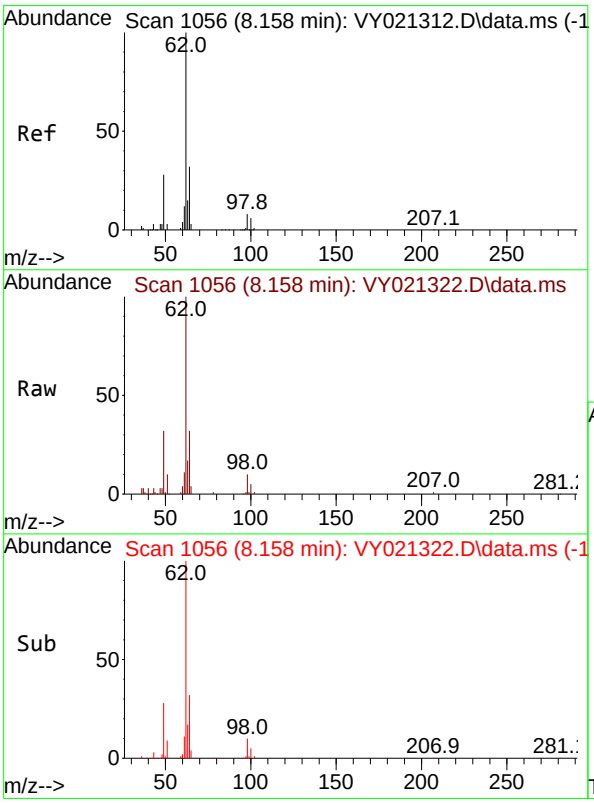
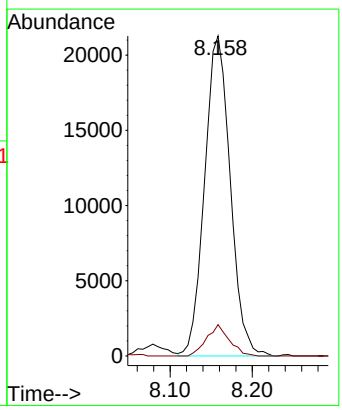
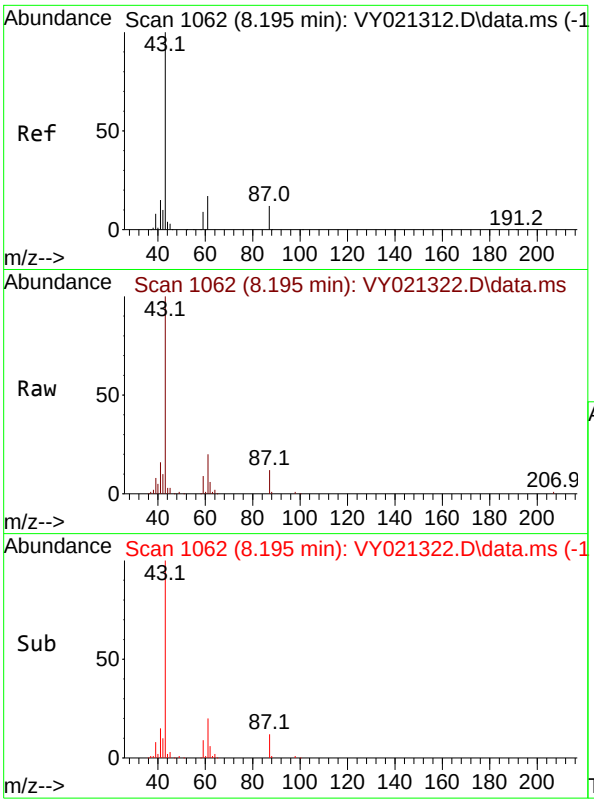



#42
1,2-Dichloroethane
Concen: 19.193 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 46152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 17.6 |

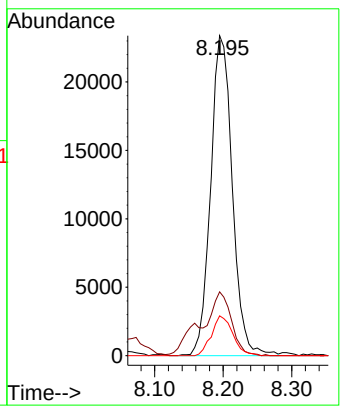





#43
Isopropyl Acetate
Concen: 18.626 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 5141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.2 | 15.0 | 22.6 |
| 87 | 12.2 | 10.0 | 15.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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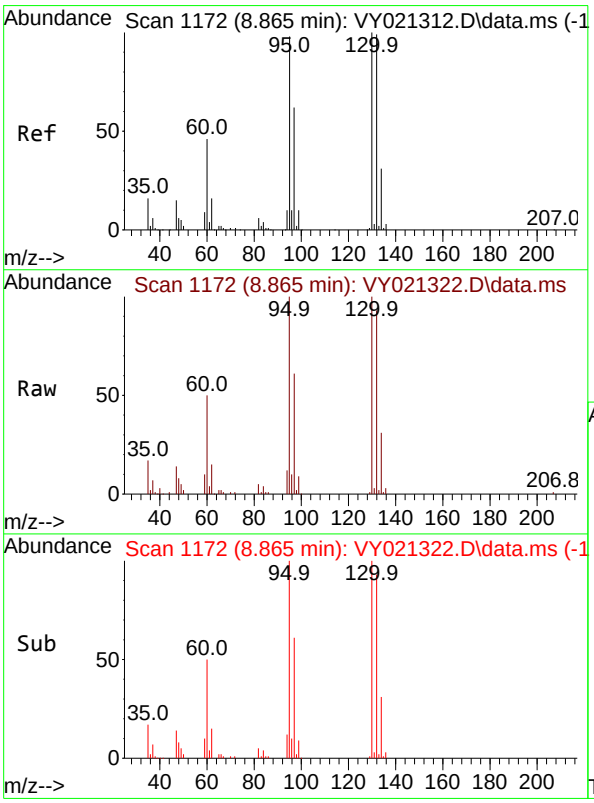
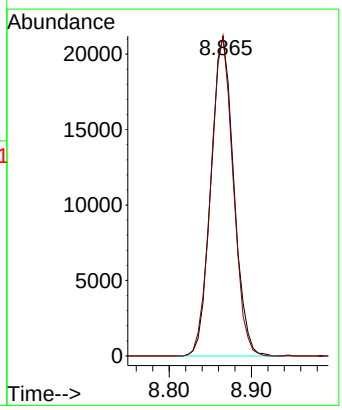
Supervised By :Mahesh Dadoda 02/27/2025

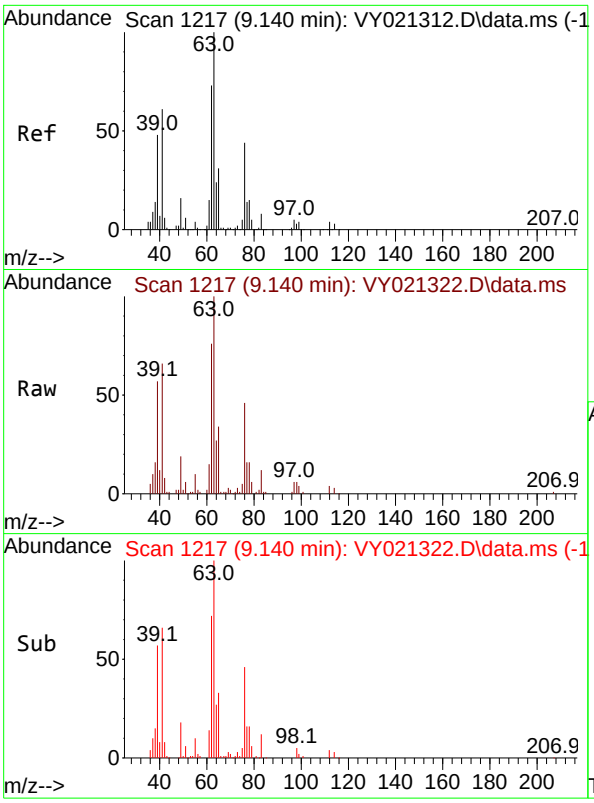



#44
Trichloroethene
Concen: 19.214 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:130 Resp: 40770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.3 | 0.0 | 196.0 |

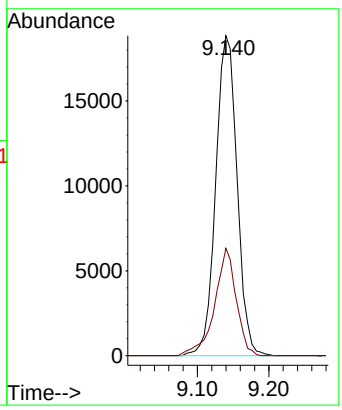





#45
1,2-Dichloropropane
Concen: 19.139 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 3903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.5 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

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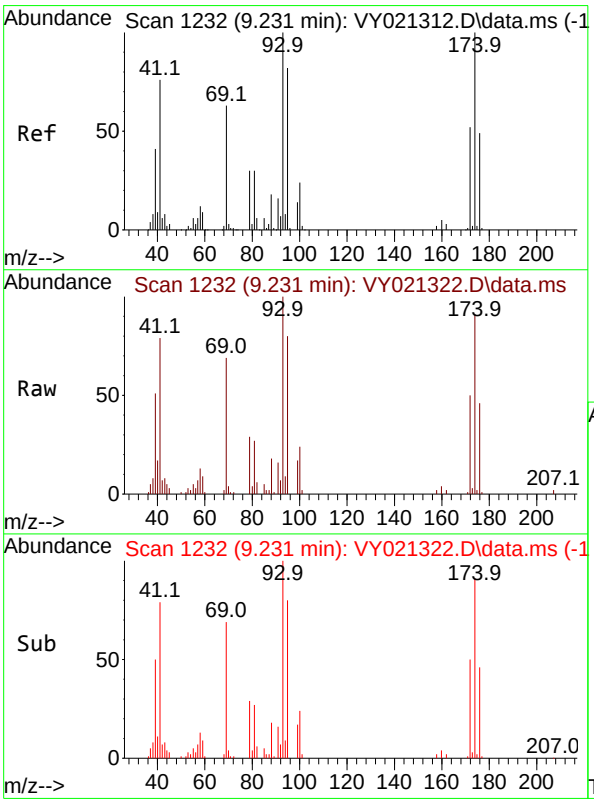
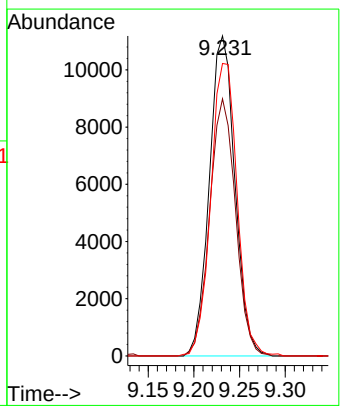
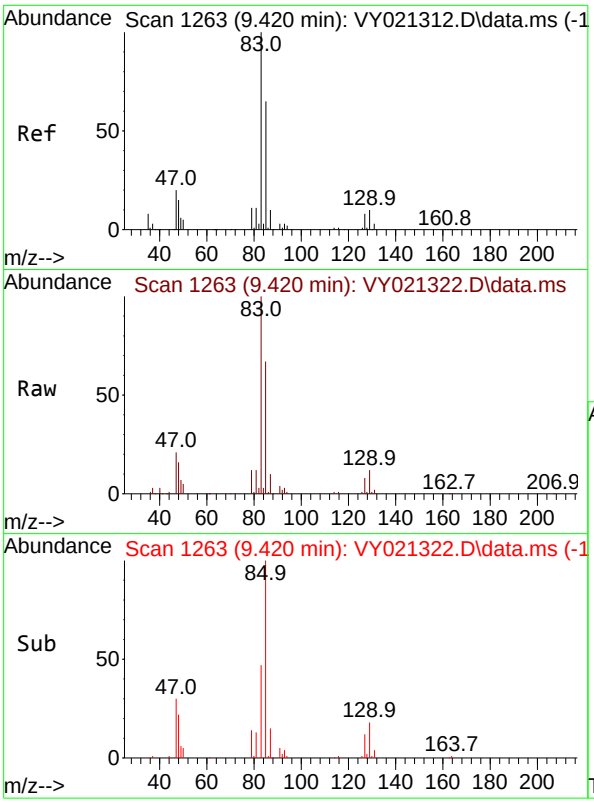



#46
Dibromomethane
Concen: 19.549 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 93 Resp: 21795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.2 | 66.4 | 99.6 |
| 174 | 94.2 | 78.2 | 117.2 |

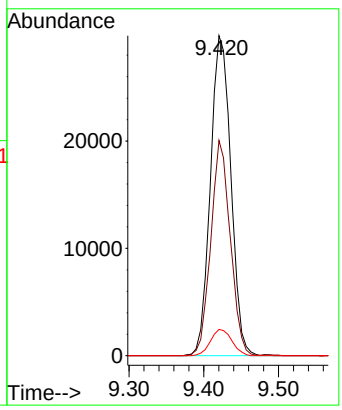





#47
Bromodichloromethane
Concen: 19.056 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 5665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.3 | 51.8 | 77.8 |
| 127 | 8.2 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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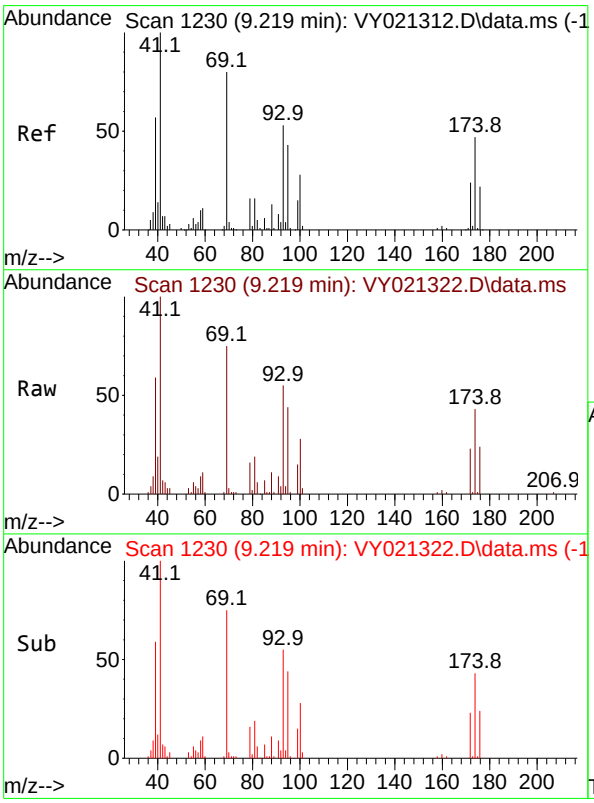
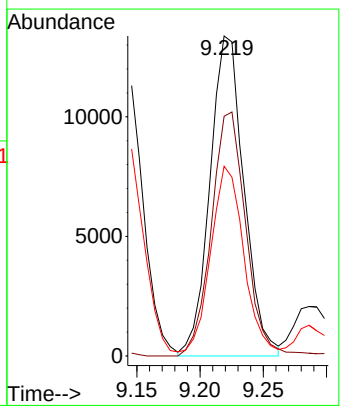
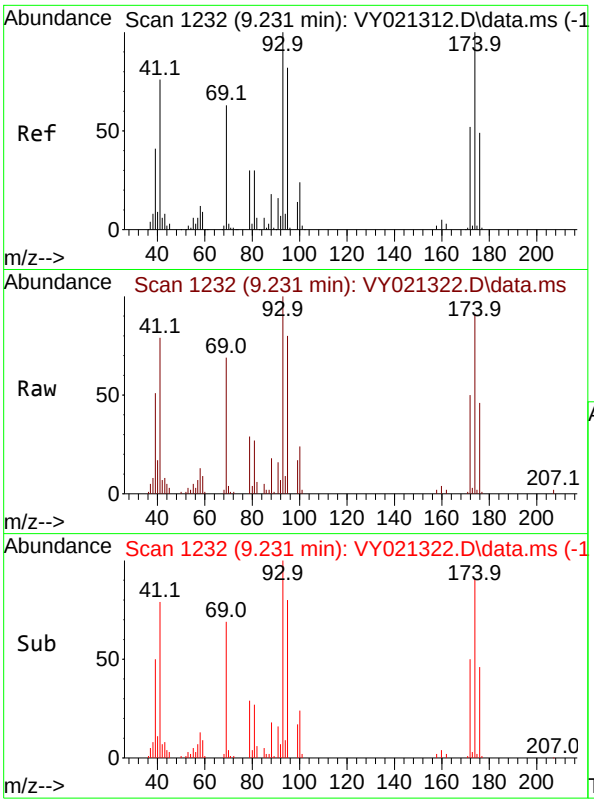



#48
Methyl methacrylate
Concen: 19.377 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 25014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.6 | 63.3 | 94.9 |
| 39 | 55.5 | 45.0 | 67.6 |






#49
1,4-Dioxane
Concen: 369.128 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 88 Resp: 457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.2 | 34.8 | 52.2 |
| 58 | 76.9 | 59.8 | 89.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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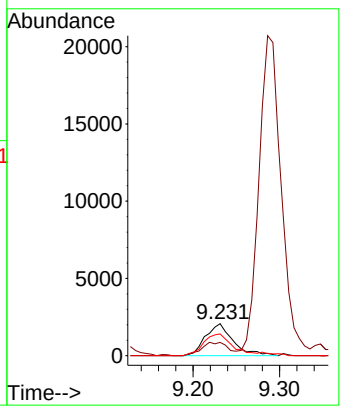
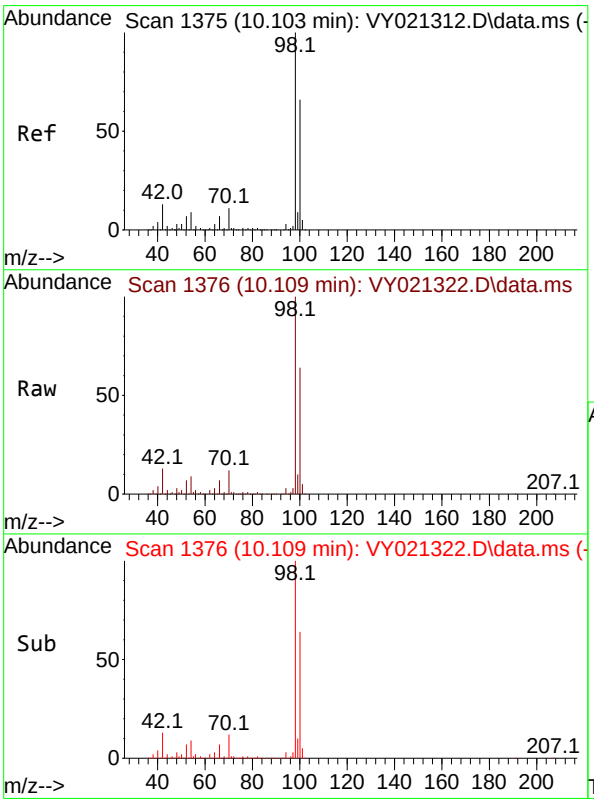
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

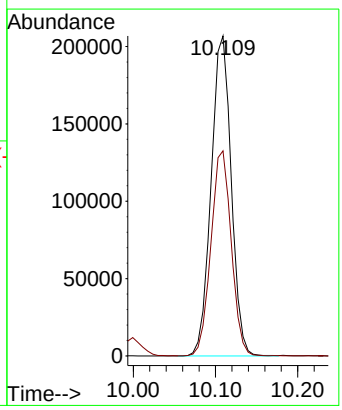


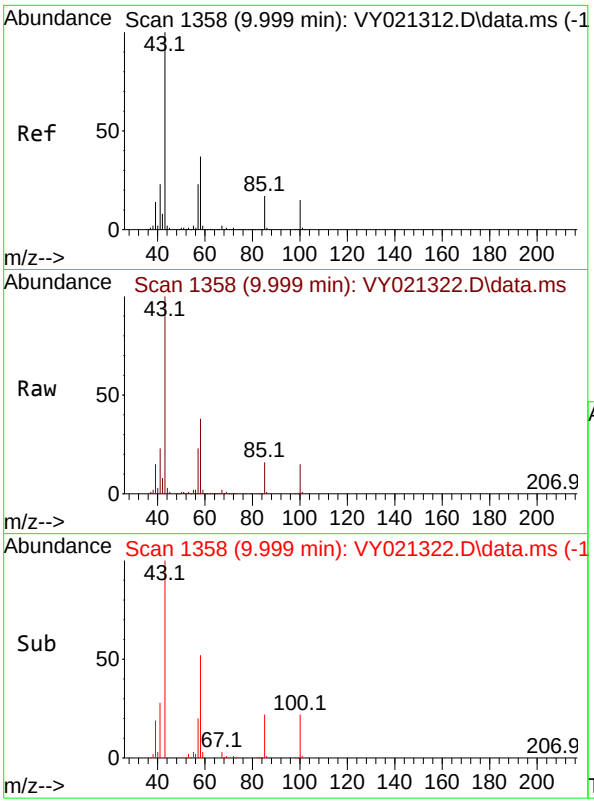




#50
Toluene-d8
Concen: 47.609 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 98 Resp: 351200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 52.4 | 78.6 |

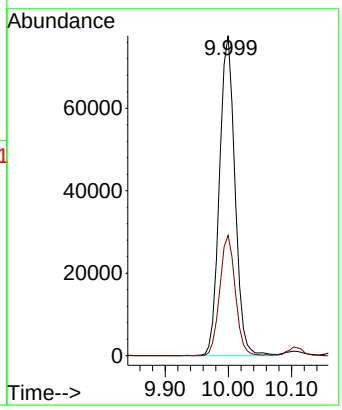





#51
4-Methyl-2-Pentanone
Concen: 93.298 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 13183

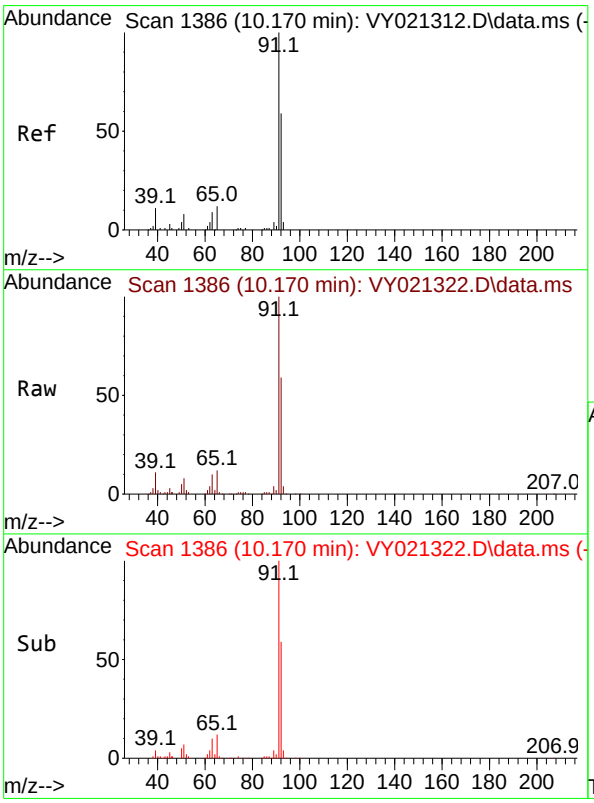
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

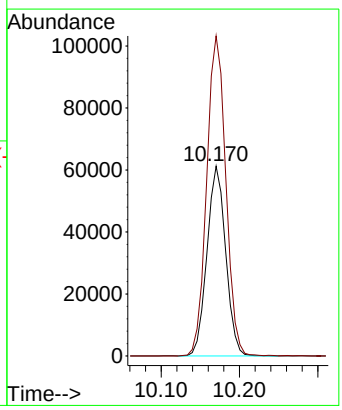
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

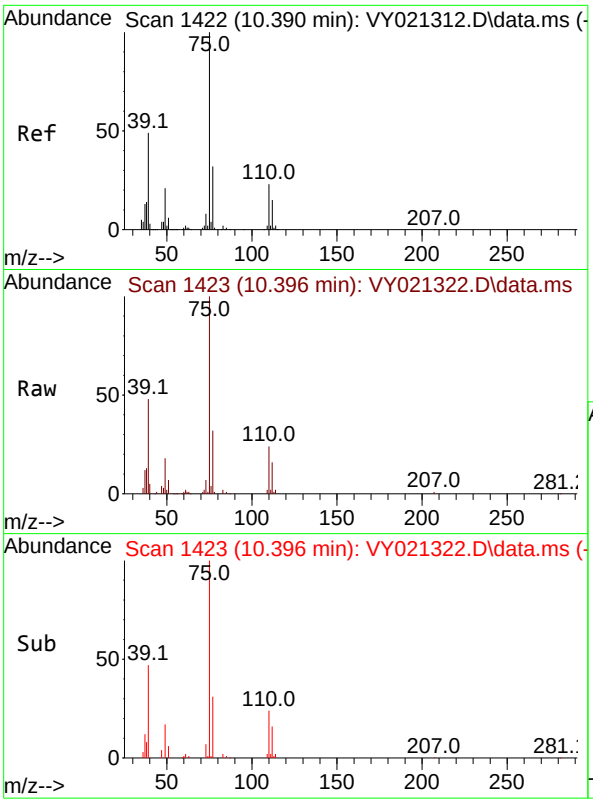



#52
Toluene
Concen: 19.255 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 92 Resp: 101381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.7 | 137.8 | 206.8 |

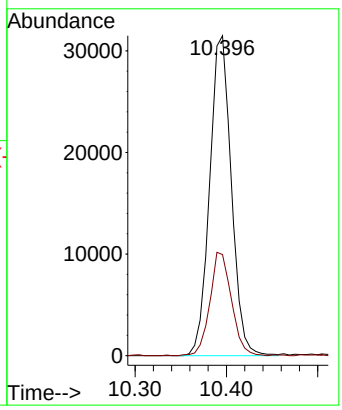





#53
t-1,3-Dichloropropene
Concen: 19.034 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 5184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.3 | 37.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Romaben Patel 02/27/2025
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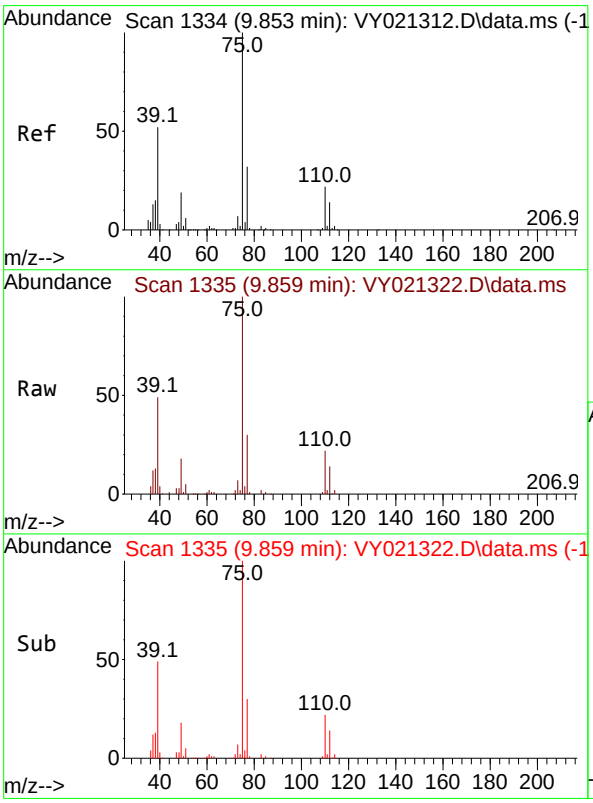
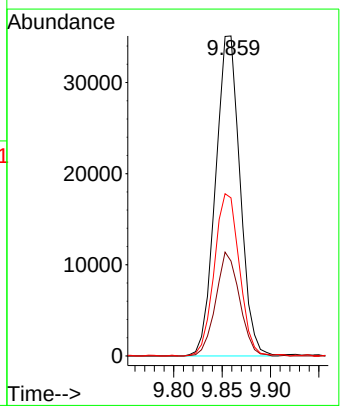
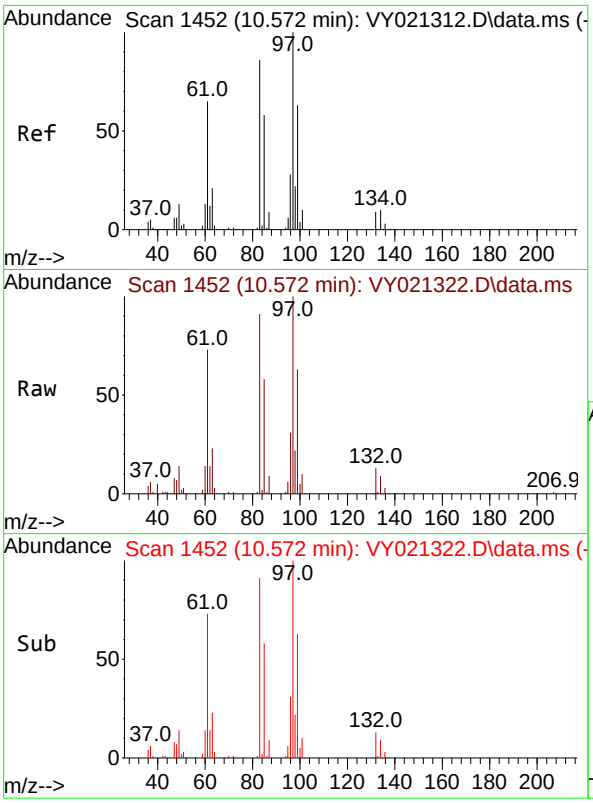



#54
cis-1,3-Dichloropropene
Concen: 19.278 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 61986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.7 | 25.7 | 38.5 |
| 39 | 49.4 | 41.8 | 62.6 |

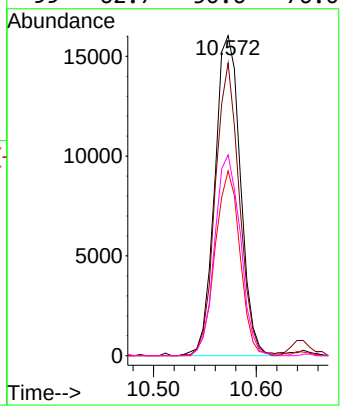





#55
1,1,2-Trichloroethane
Concen: 19.099 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 97 Resp: 2774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 91.5 | 68.7 | 103.1 |
| 85 | 57.8 | 46.3 | 69.5 |
| 99 | 62.7 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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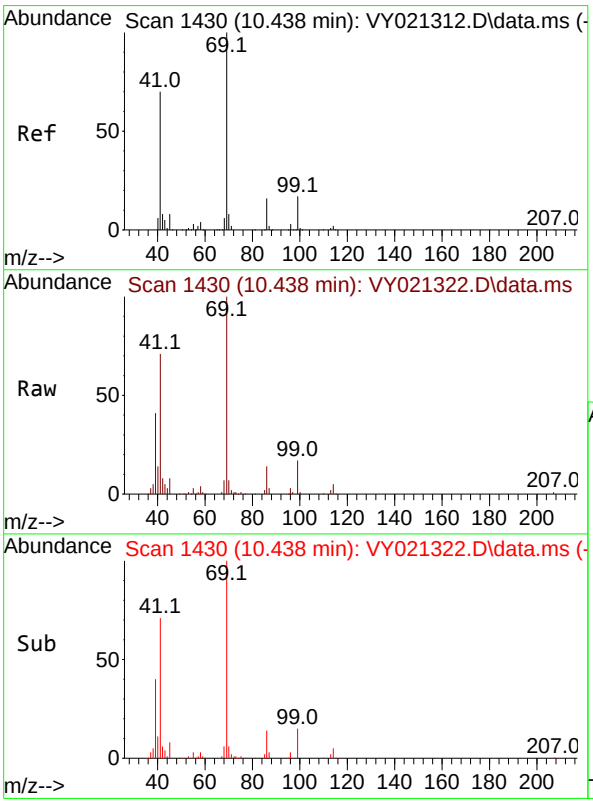
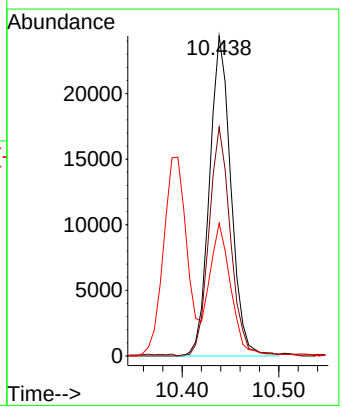
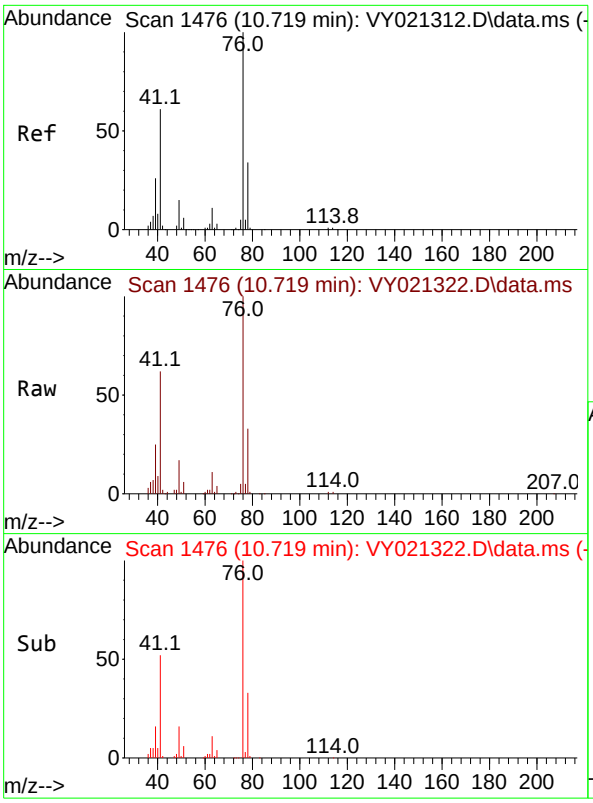



#56
Ethyl methacrylate
Concen: 18.751 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 69 Resp: 37632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 72.0 | 56.2 | 84.4 |
| 39 | 40.8 | 32.7 | 49.1 |

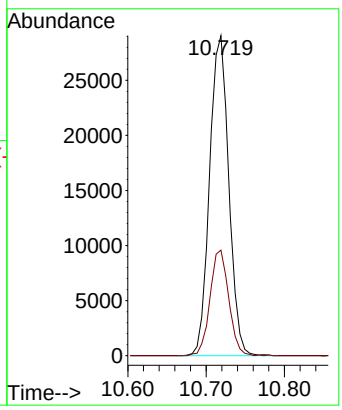





#57
1,3-Dichloropropane
Concen: 19.380 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 76 Resp: 4939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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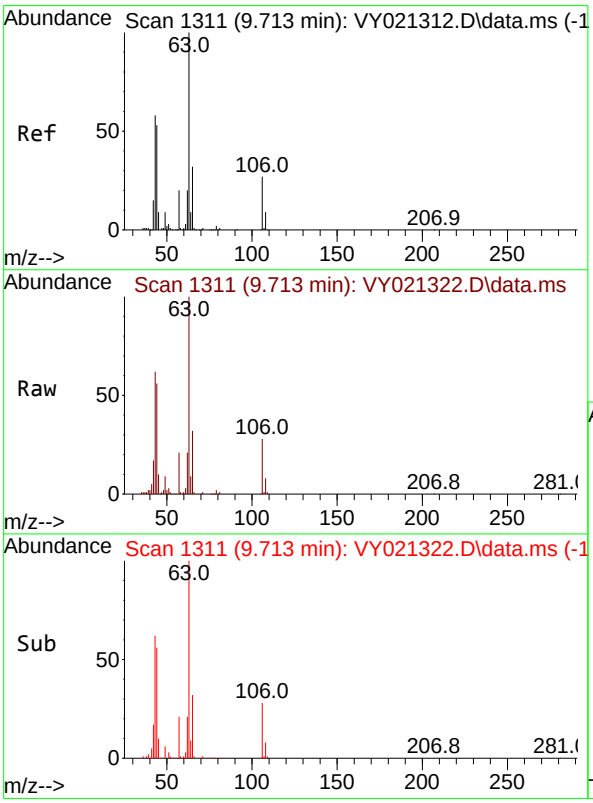
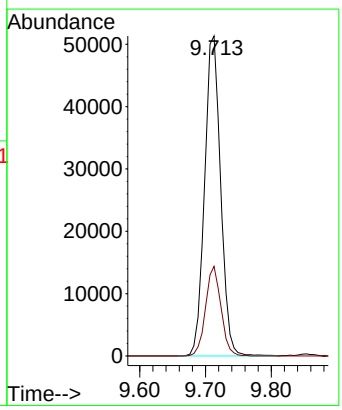
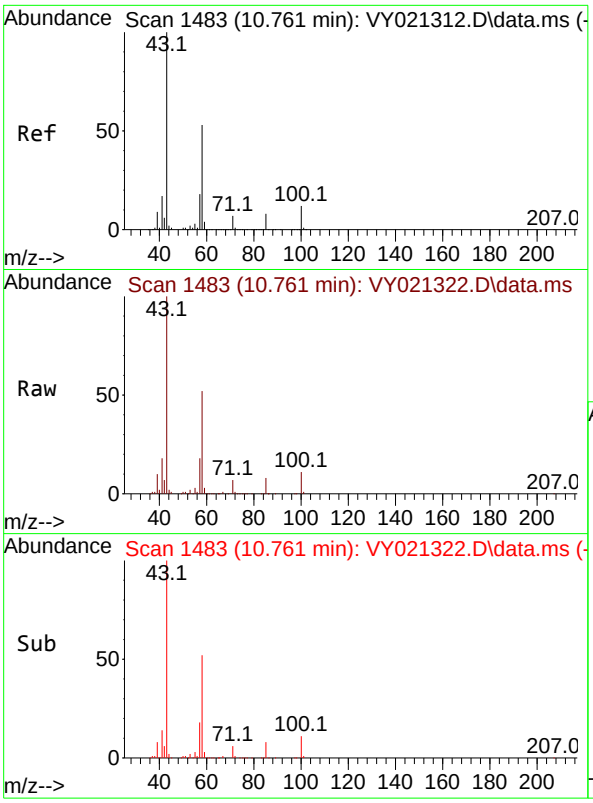



#58
2-Chloroethyl Vinyl ether
Concen: 90.414 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 87093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.9 | 21.7 | 32.5 |






#59
2-Hexanone
Concen: 93.755 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 8700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.2 | 25.9 | 77.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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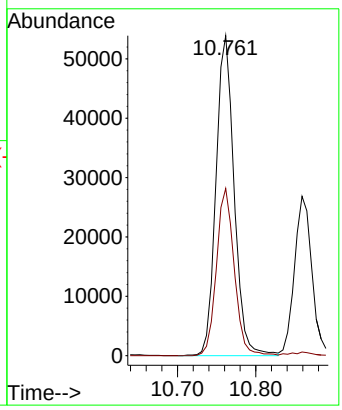
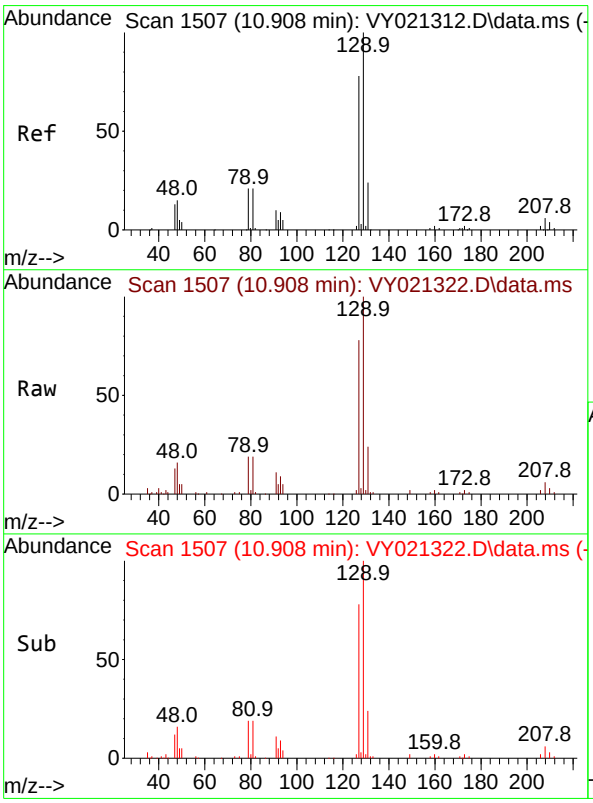
Supervised By :Mahesh Dadoda 02/27/2025

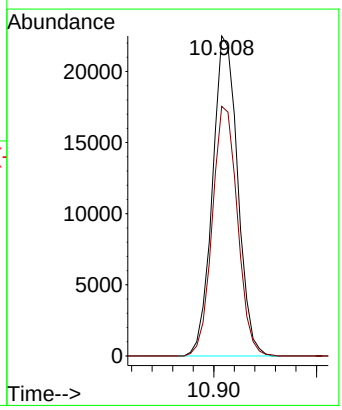


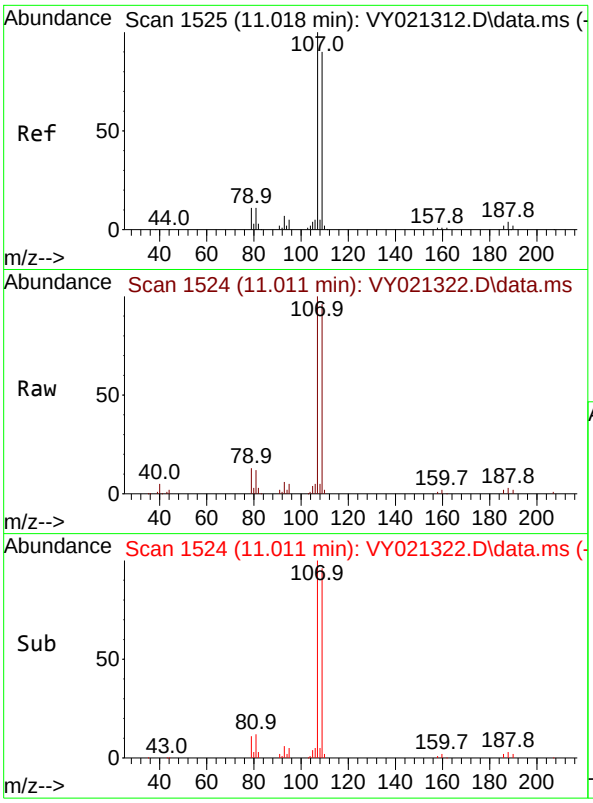




#60
Dibromochloromethane
Concen: 19.318 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:129 Resp: 38212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 38.8 | 116.4 |

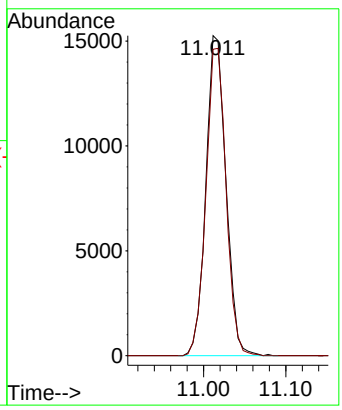





#61
1,2-Dibromoethane
Concen: 18.799 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:107 Resp: 2584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.2 | 73.8 | 110.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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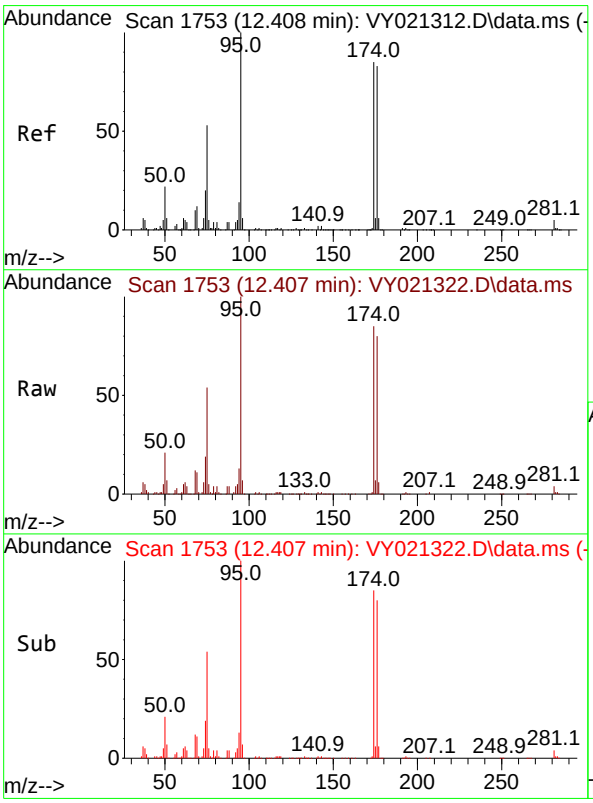
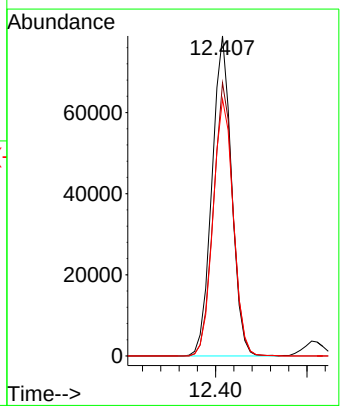
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

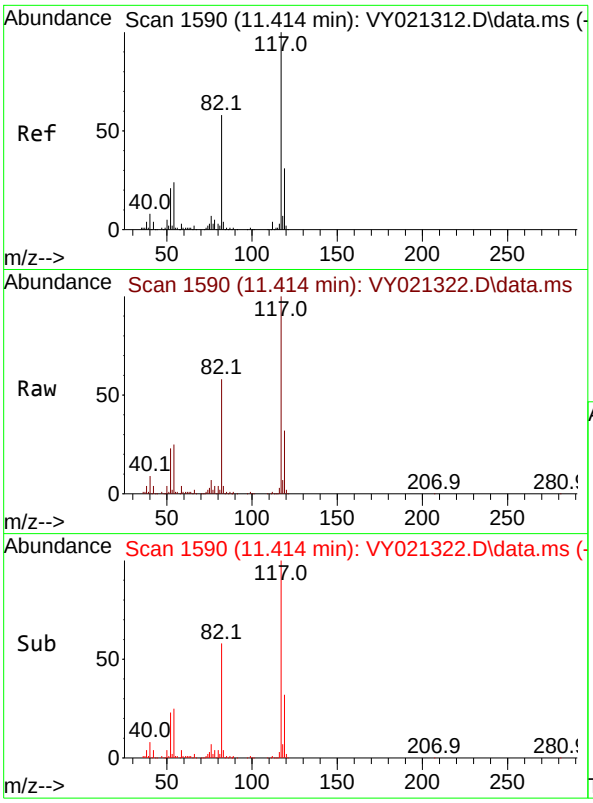



#62
4-Bromofluorobenzene
Concen: 47.291 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 95 Resp: 117404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.1 | 0.0 | 168.0 |
| 176 | 82.9 | 0.0 | 162.6 |

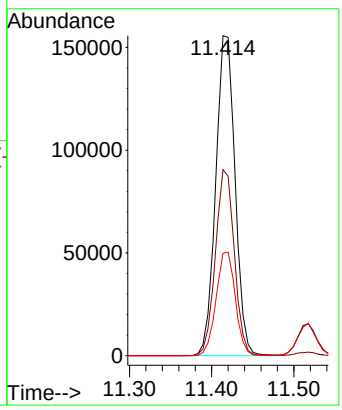





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 25489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.2 | 46.2 | 69.4 |
| 119 | 32.0 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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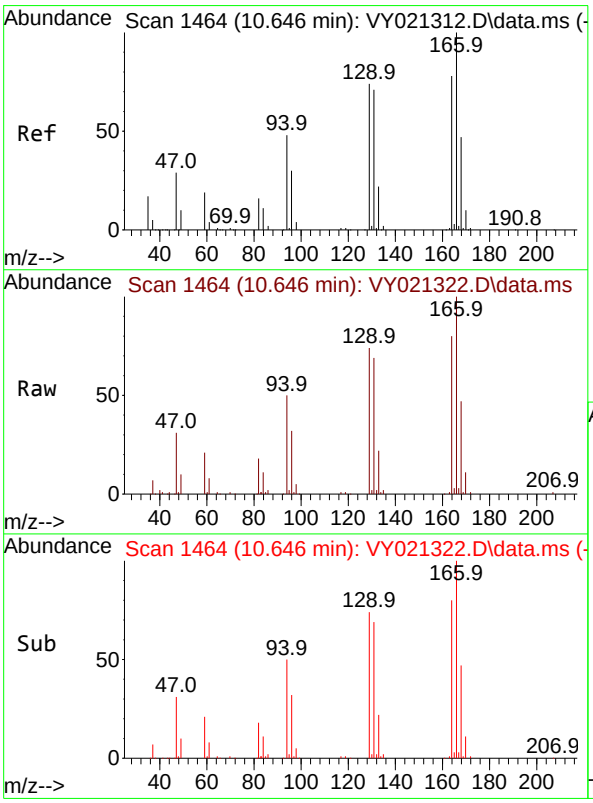
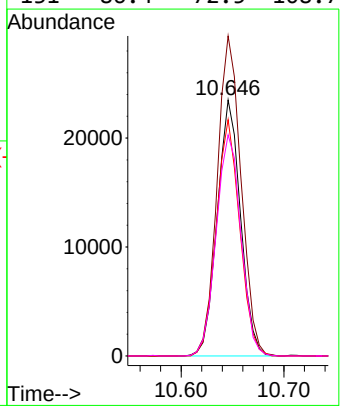
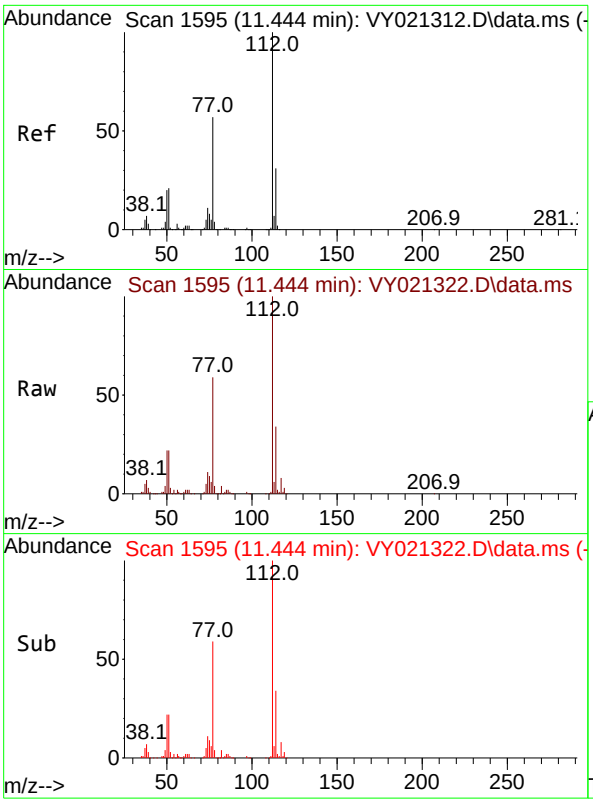



#64
Tetrachloroethene
Concen: 19.197 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:164 Resp: 36984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.0 | 101.9 | 152.9 |
| 129 | 92.3 | 75.5 | 113.3 |
| 131 | 86.4 | 72.5 | 108.7 |

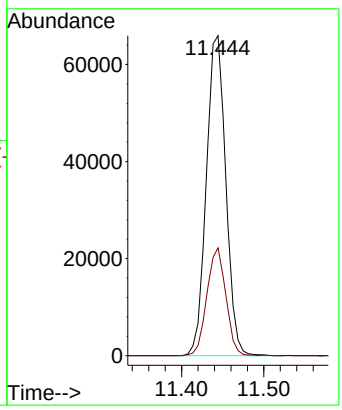





#65
Chlorobenzene
Concen: 18.977 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:112 Resp: 10857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.7 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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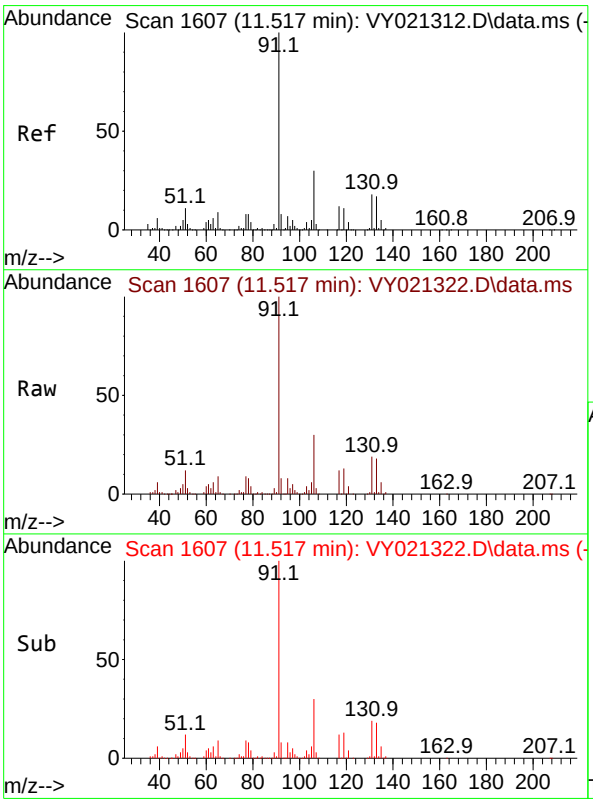
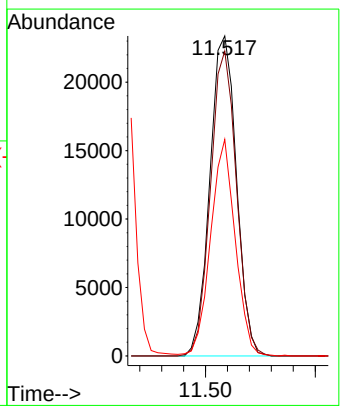
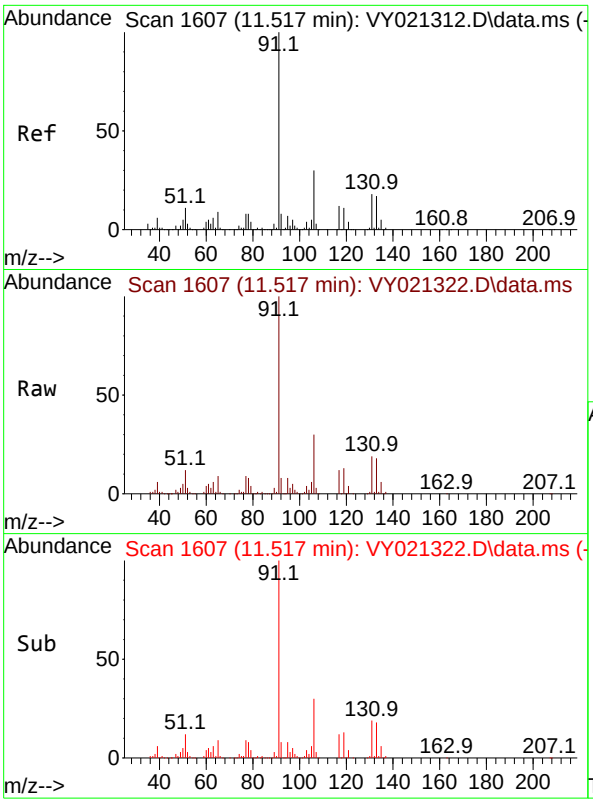



#66
1,1,1,2-Tetrachloroethane
Concen: 19.617 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:131 Resp: 39302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.3 | 47.9 | 143.6 |
| 119 | 63.0 | 31.7 | 95.1 |

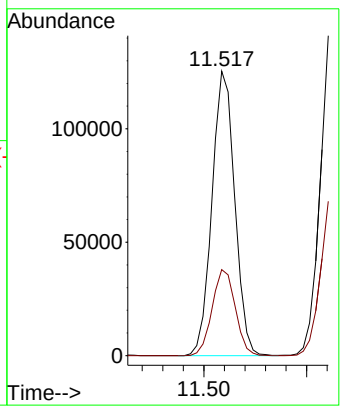





#67
Ethyl Benzene
Concen: 19.003 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 19259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 24.4 | 36.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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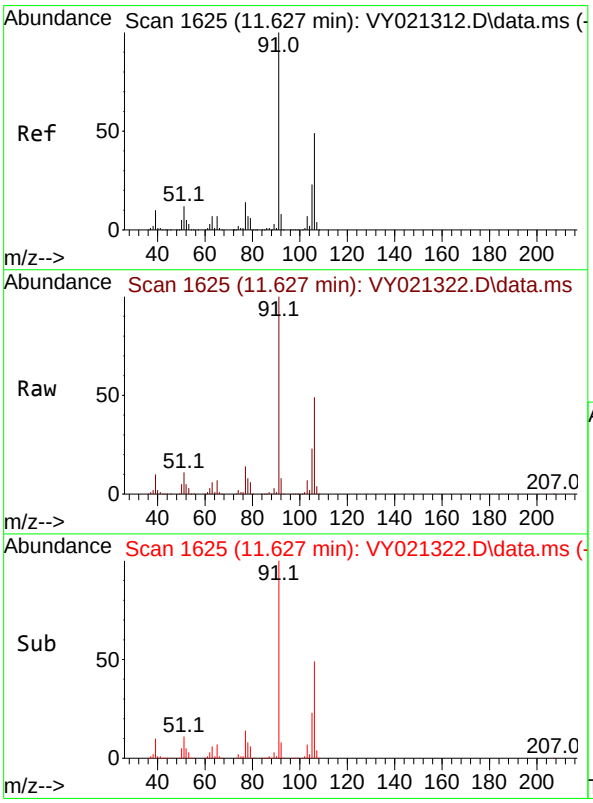
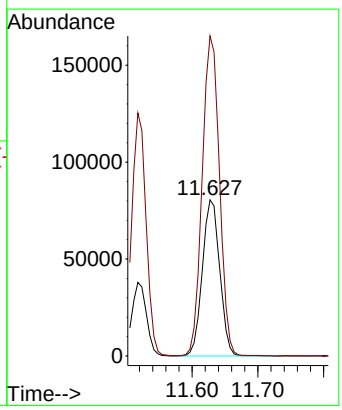
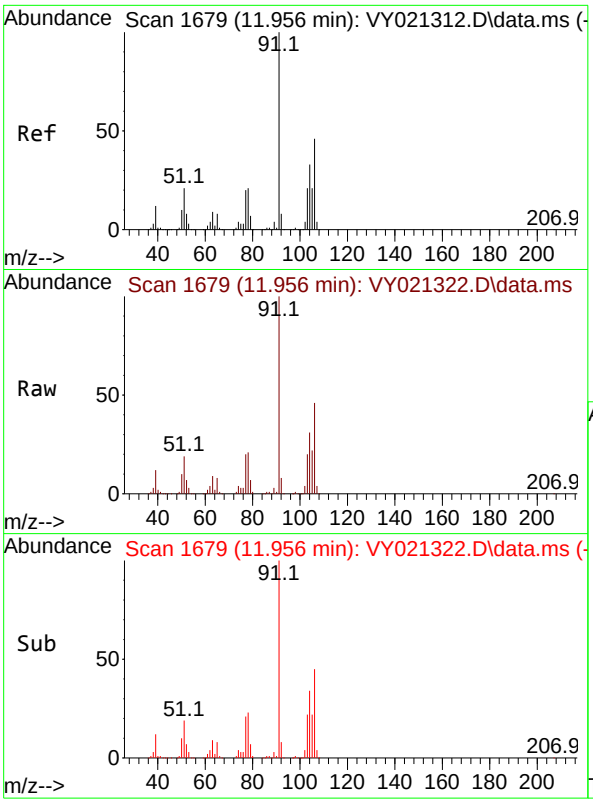



#68
m/p-Xylenes
Concen: 38.806 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:106 Resp: 147929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.3 | 163.9 | 245.9 |

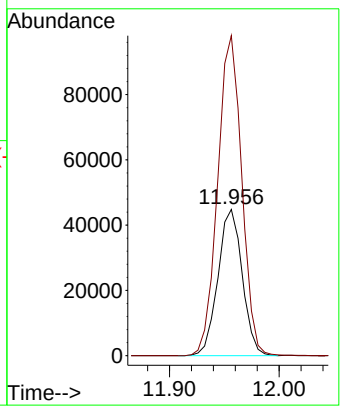





#69
o-Xylene
Concen: 19.342 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:106 Resp: 6907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.1 | 108.1 | 324.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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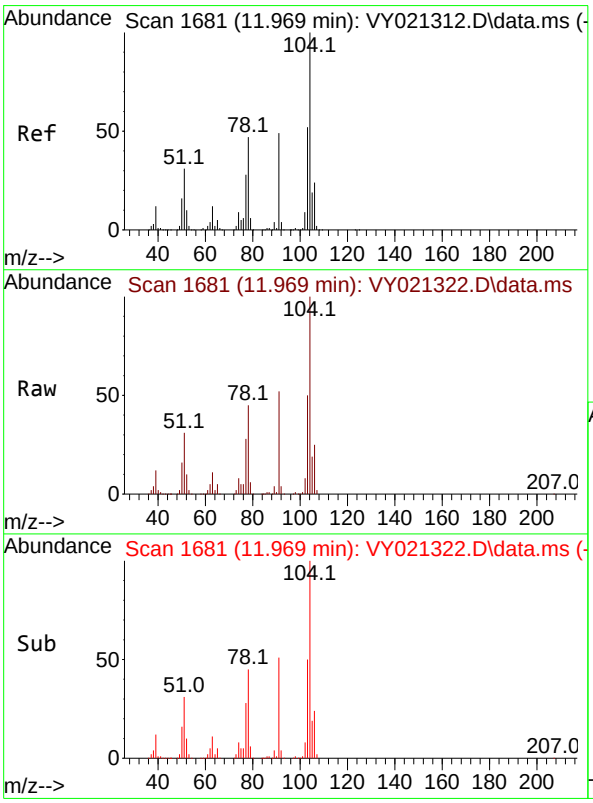
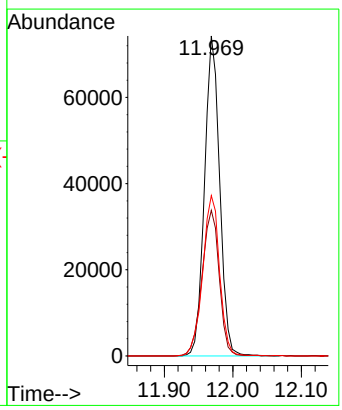
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

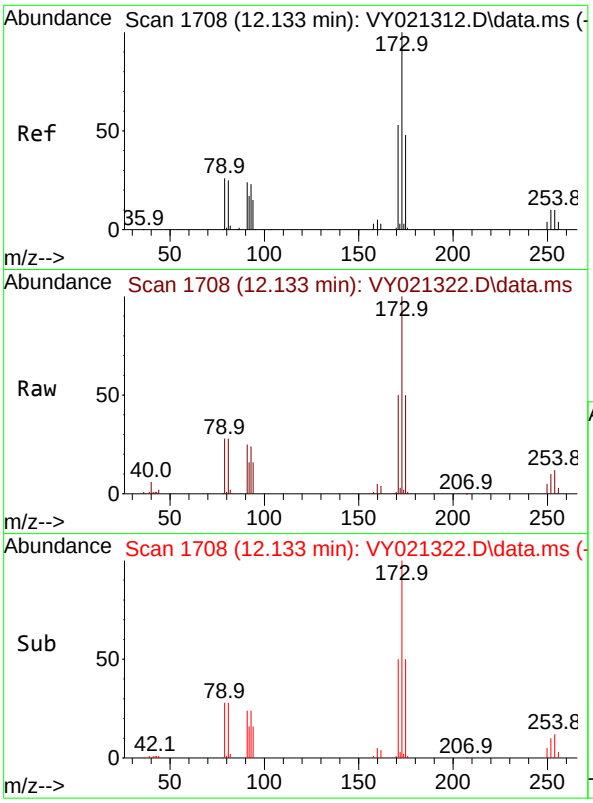



#70
Styrene
Concen: 19.262 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:104 Resp: 114447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.6 | 41.3 | 61.9 |
| 103 | 55.8 | 43.9 | 65.9 |

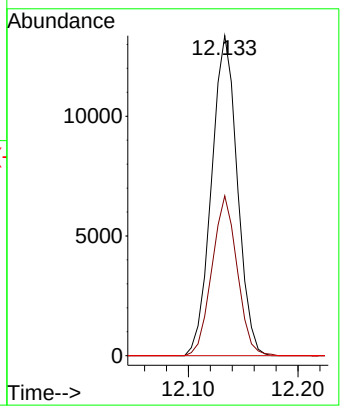





#71
Bromoform
Concen: 19.083 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:173 Resp: 2187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.7 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_Y
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VY0226SBS01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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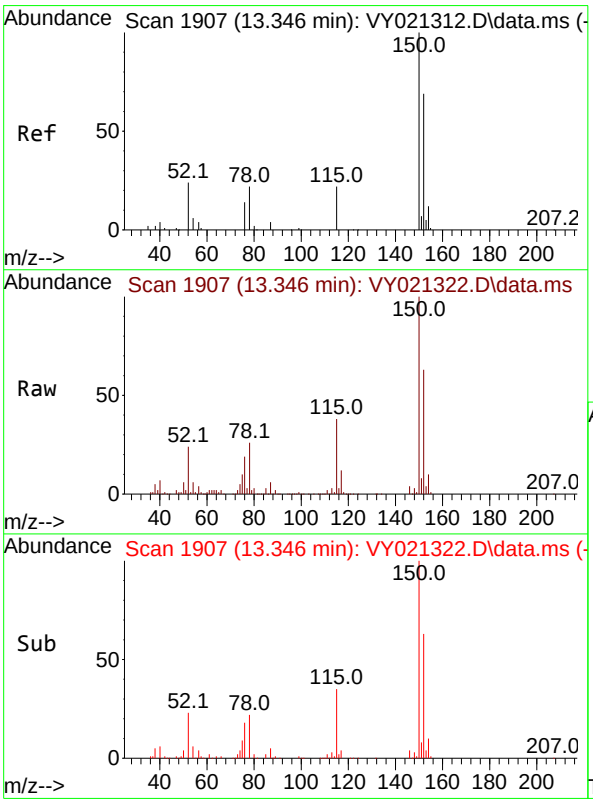
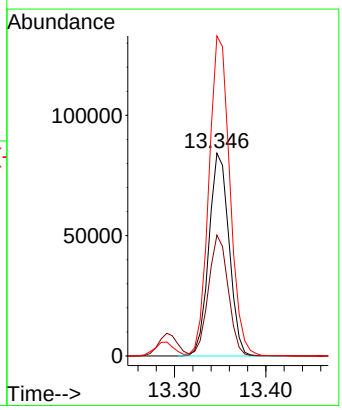
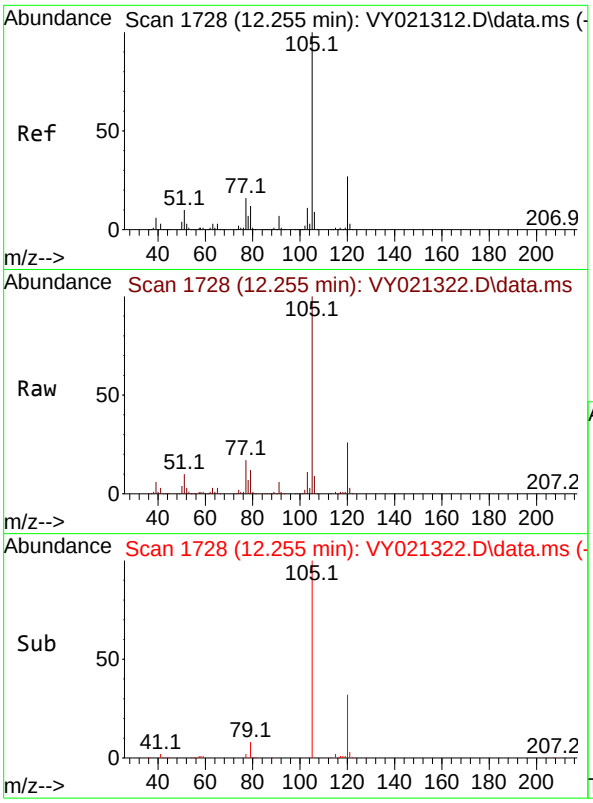



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:152 Resp: 128725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.3 | 29.3 | 88.0 |
| 150 | 164.6 | 0.0 | 347.4 |

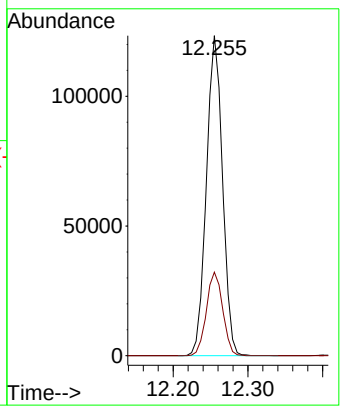





#73
Isopropylbenzene
Concen: 19.058 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 18443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.3 | 39.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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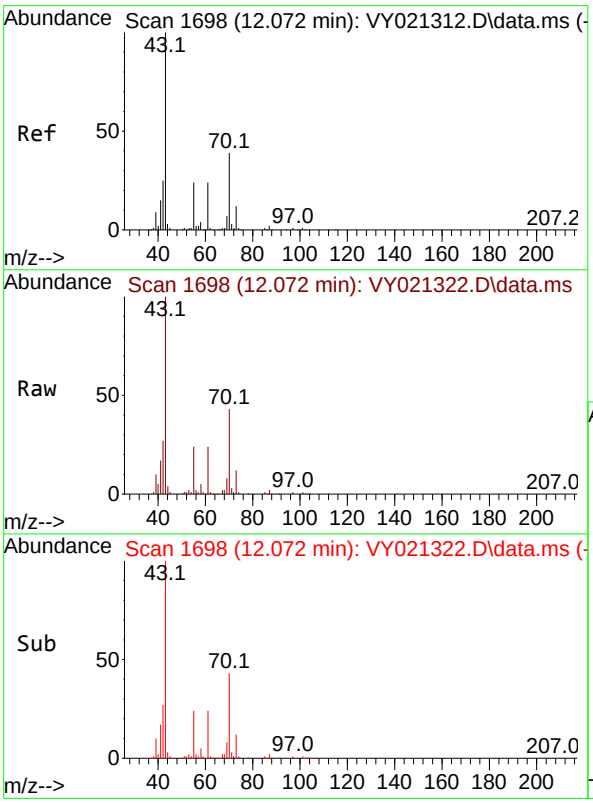
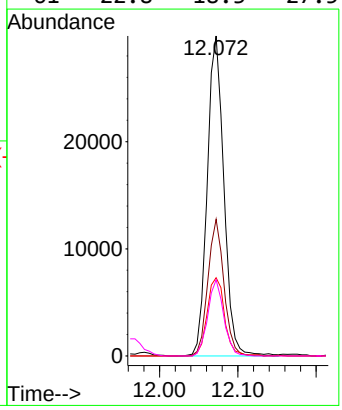
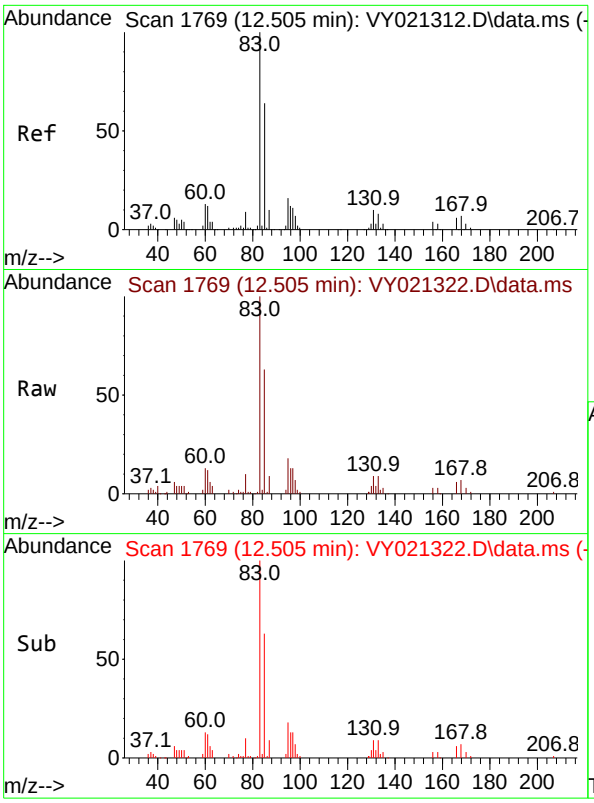



#74
N-amyl acetate
Concen: 17.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 44104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.1 | 32.2 | 48.2 |
| 55 | 25.5 | 19.6 | 29.4 |
| 61 | 22.8 | 18.3 | 27.5 |

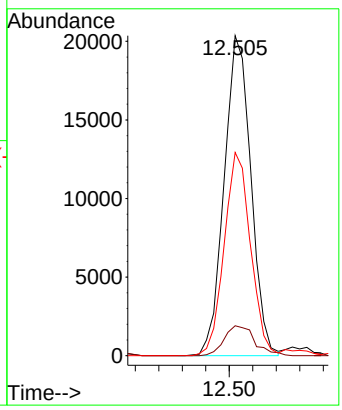





#75
1,1,2,2-Tetrachloroethane
Concen: 18.835 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 3216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.7 | 5.2 | 15.6 |
| 85 | 62.6 | 32.0 | 96.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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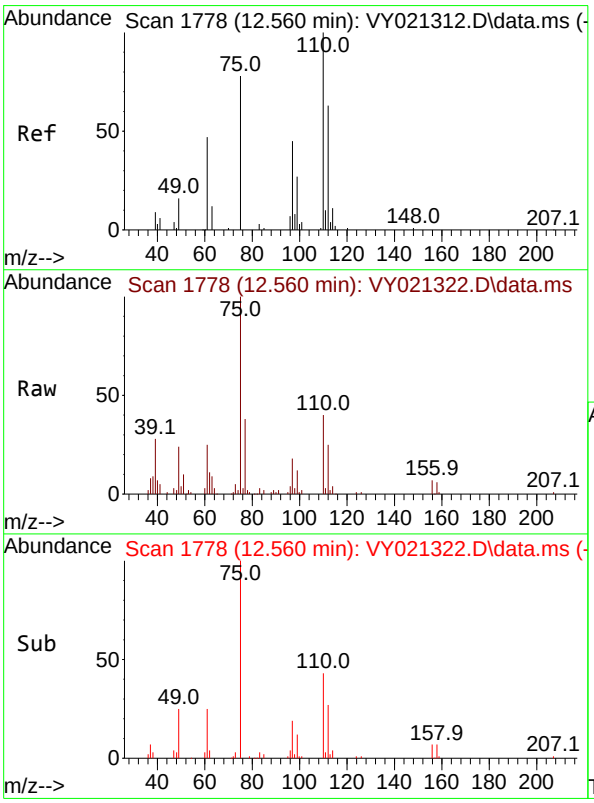
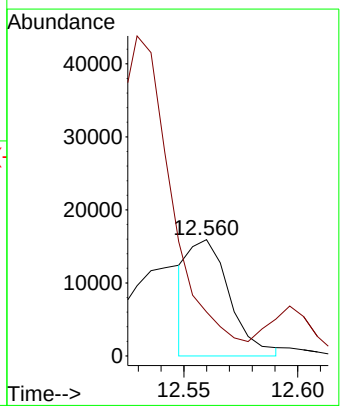
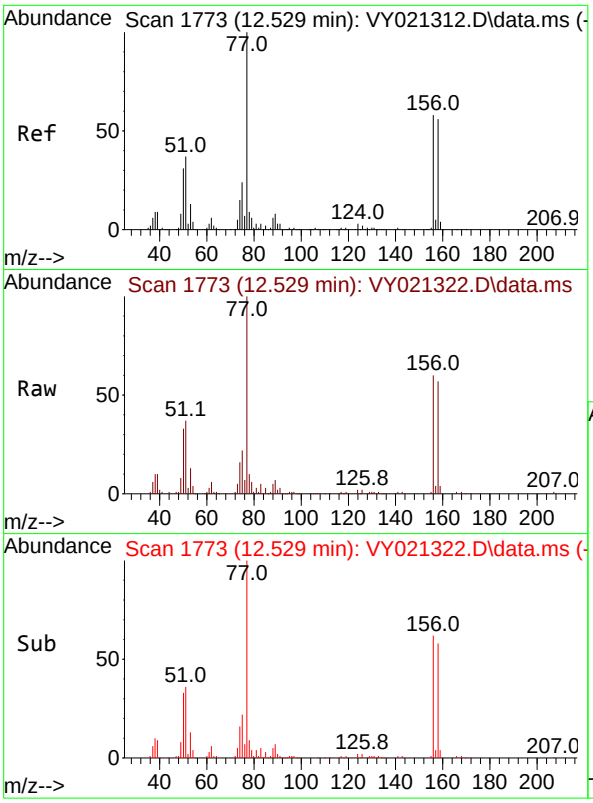



#76
1,2,3-Trichloropropane
Concen: 15.563 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 20053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

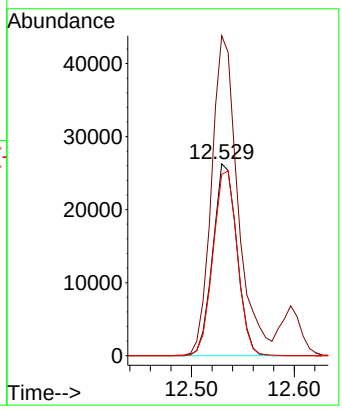





#77
Bromobenzene
Concen: 18.925 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:156 Resp: 4259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 183.3 | 94.0 | 282.1 |
| 158 | 97.3 | 48.7 | 146.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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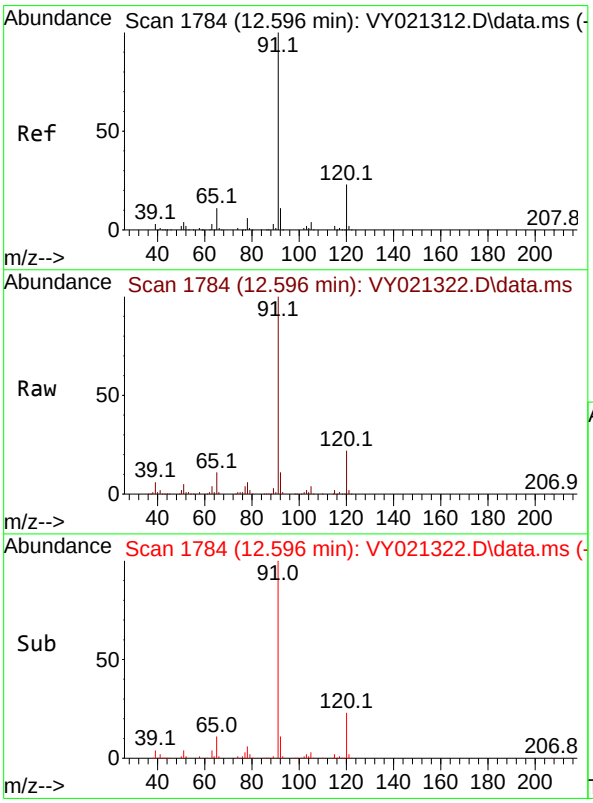
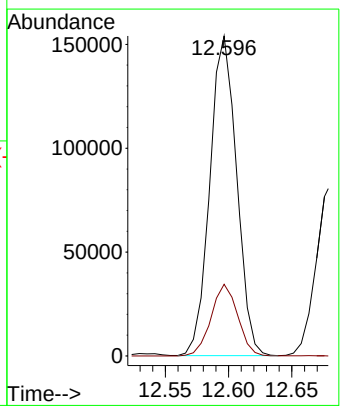
Supervised By :Mahesh Dadoda 02/27/2025

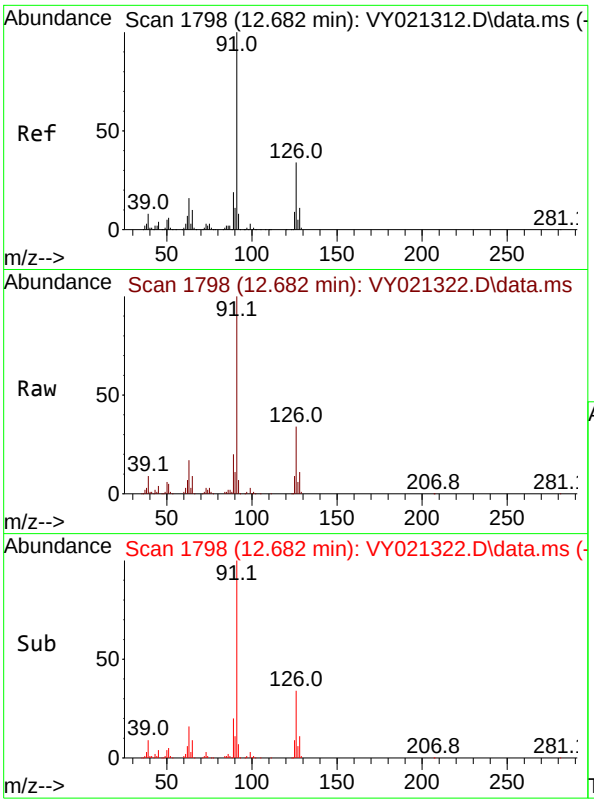



#78
n-propylbenzene
Concen: 19.317 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 226845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.2 | 33.5 |

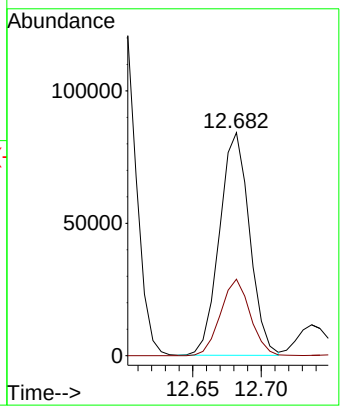





#79
2-Chlorotoluene
Concen: 19.070 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 12852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.9 | 16.9 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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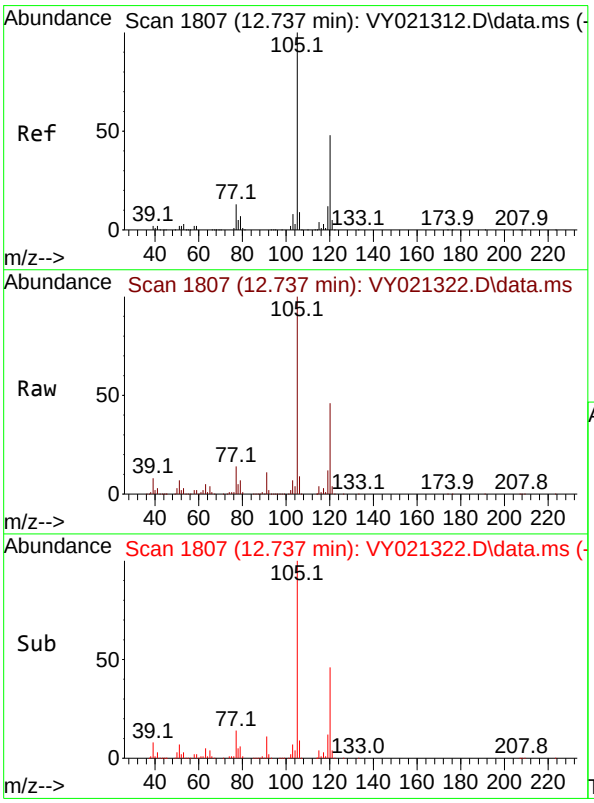
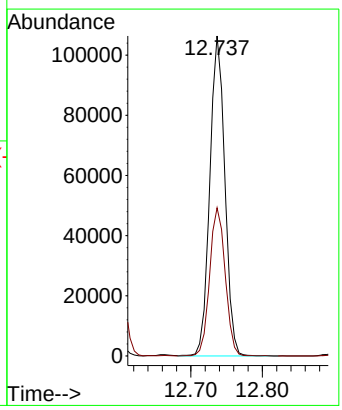
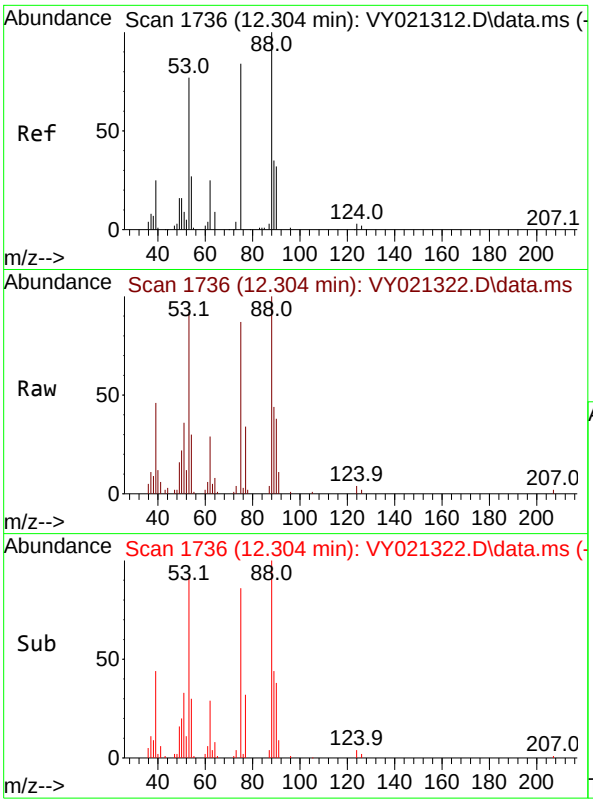



#80
1,3,5-Trimethylbenzene
Concen: 19.582 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 155422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 24.3 | 73.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 17.364 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 1006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 104.9 | 79.1 | 118.7 |
| 89 | 46.4 | 35.6 | 53.4 |

**Instrument :**
MSVOA_Y
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VY0226SBS01

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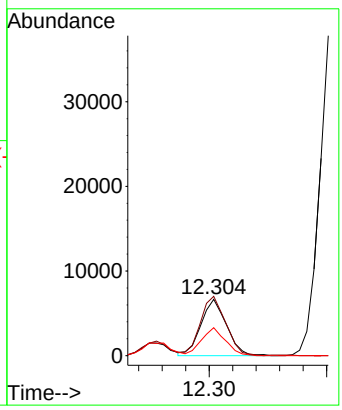
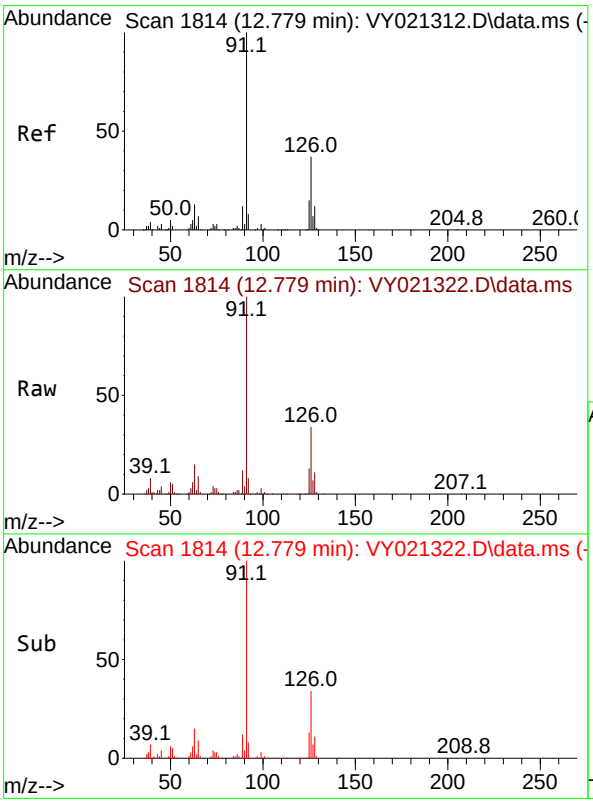
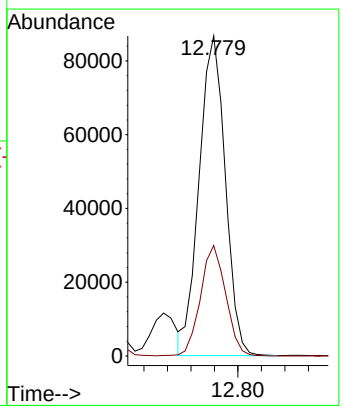


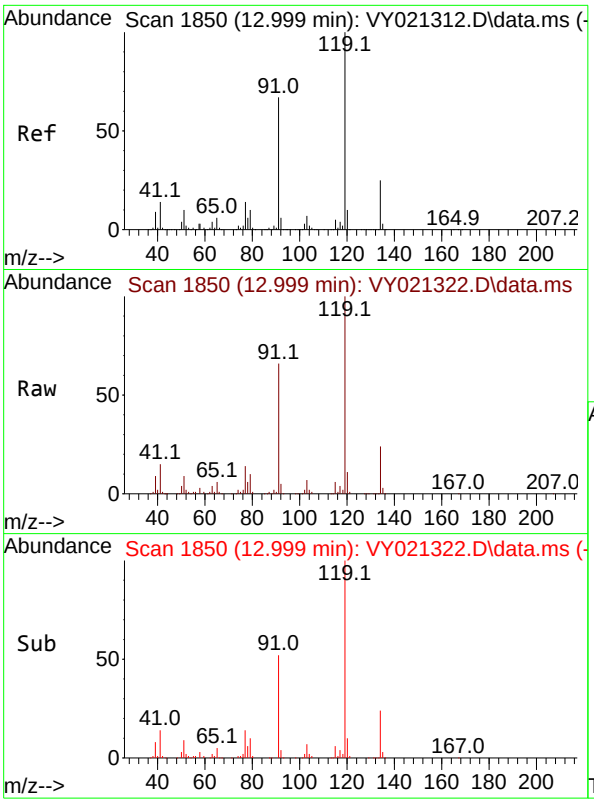




#82
4-Chlorotoluene
Concen: 19.171 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 133936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.8 | 50.4 |

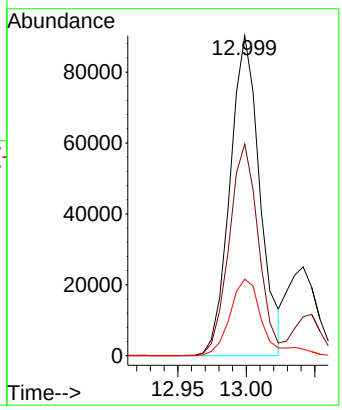





#83
tert-Butylbenzene
Concen: 19.079 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:119 Resp: 13678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.8 | 32.7 | 98.1 |
| 134 | 26.3 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
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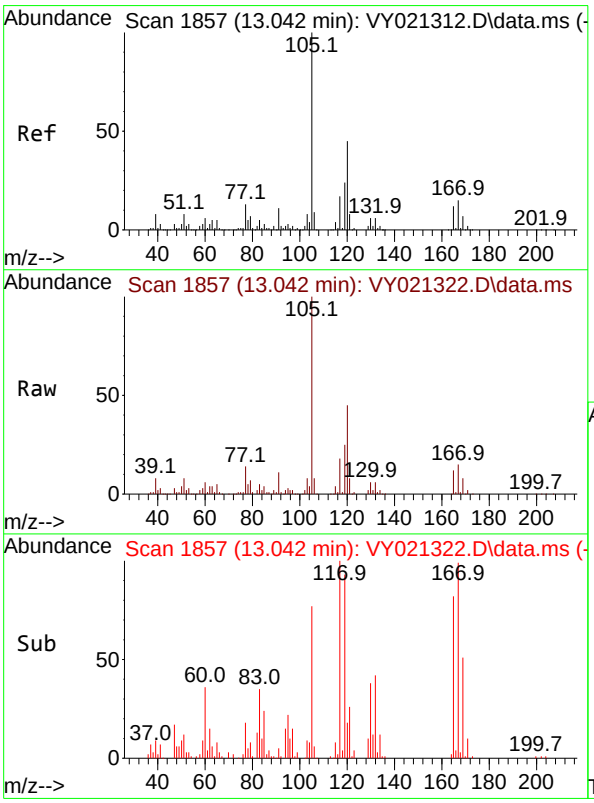
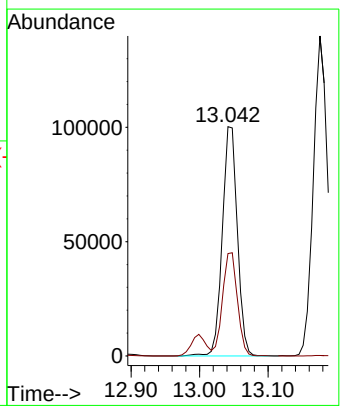
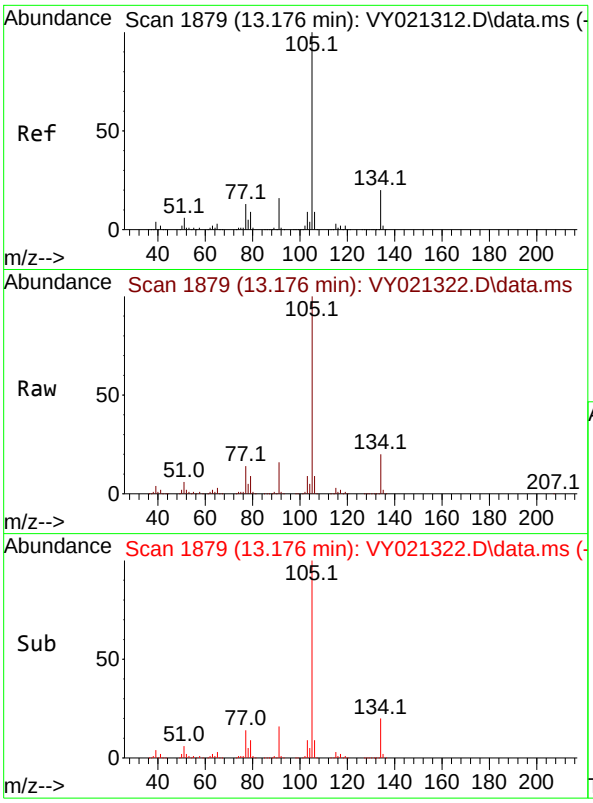



#84
1,2,4-Trimethylbenzene
Concen: 19.310 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 152431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 22.4 | 67.3 |

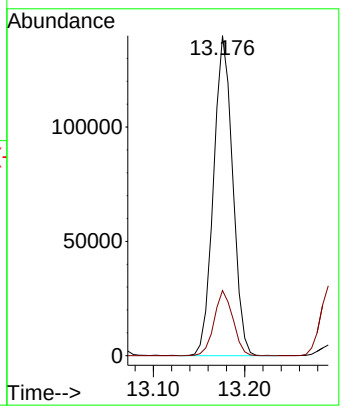





#85
sec-Butylbenzene
Concen: 19.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 20406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

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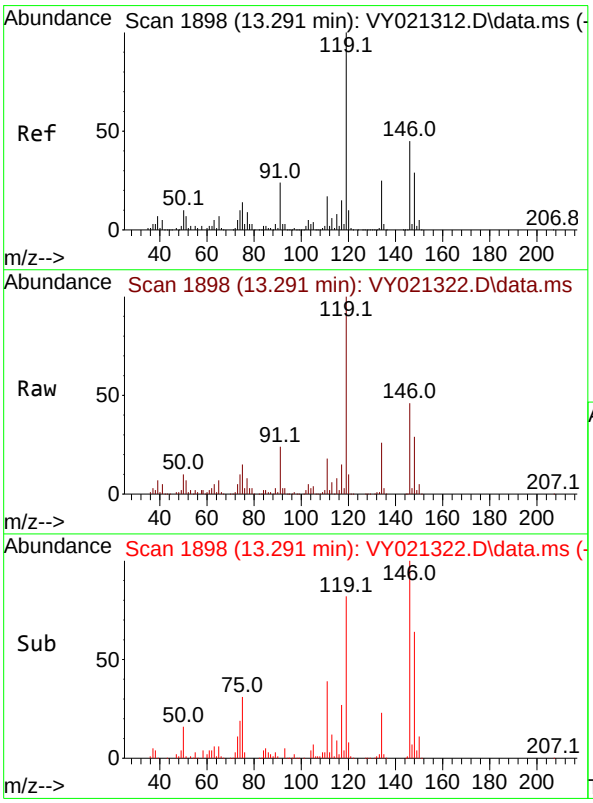
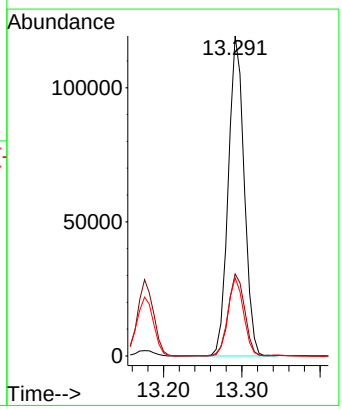
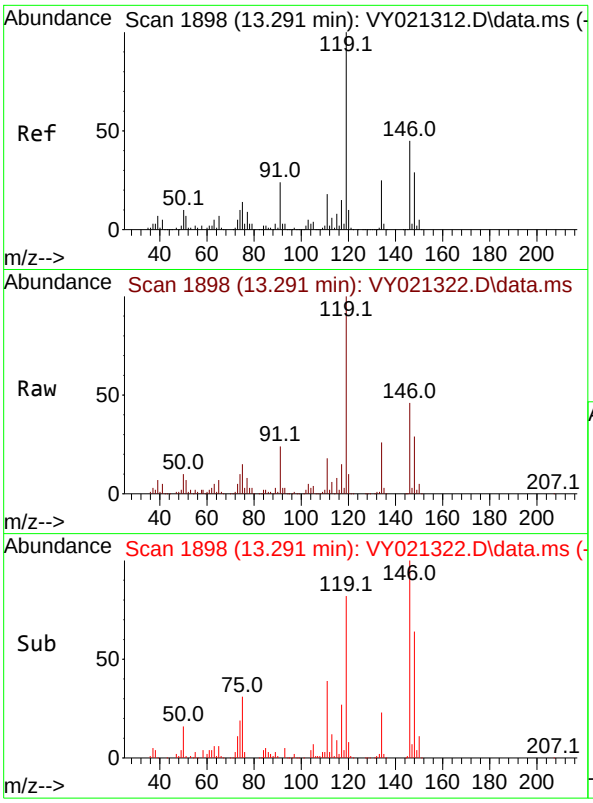



#86
p-Isopropyltoluene
Concen: 19.195 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:119 Resp: 167856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 13.0 | 38.9 |
| 91 | 24.2 | 12.0 | 36.1 |

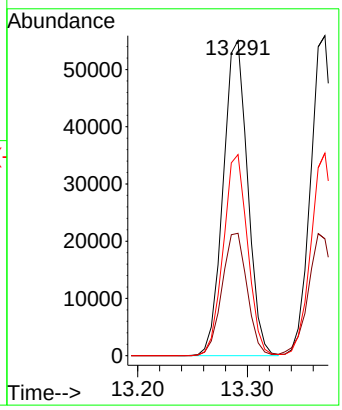





#87
1,3-Dichlorobenzene
Concen: 19.148 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 8525

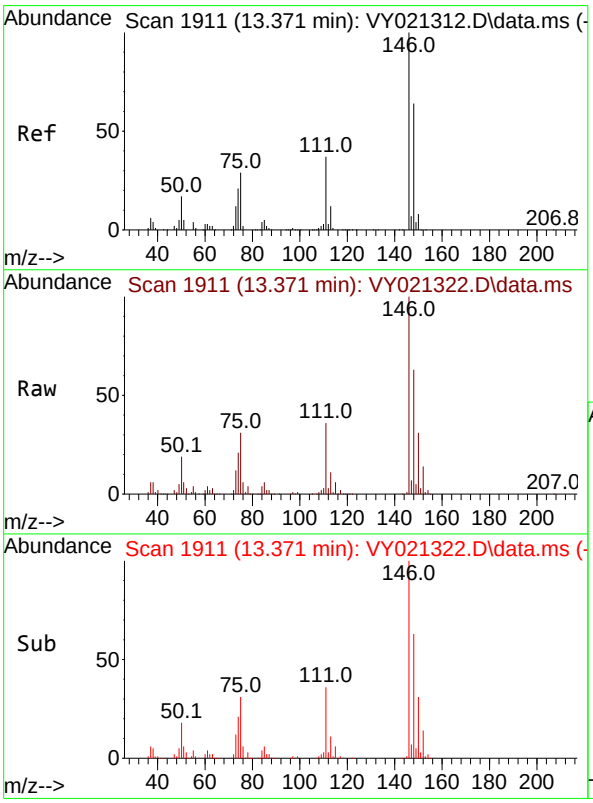
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.0 | 59.9 |
| 148 | 63.4 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

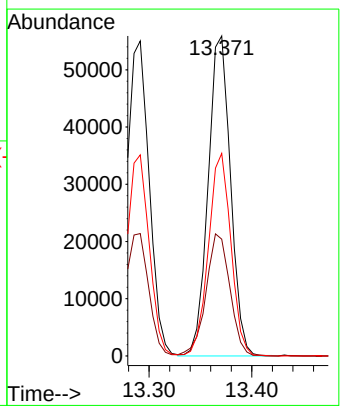
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

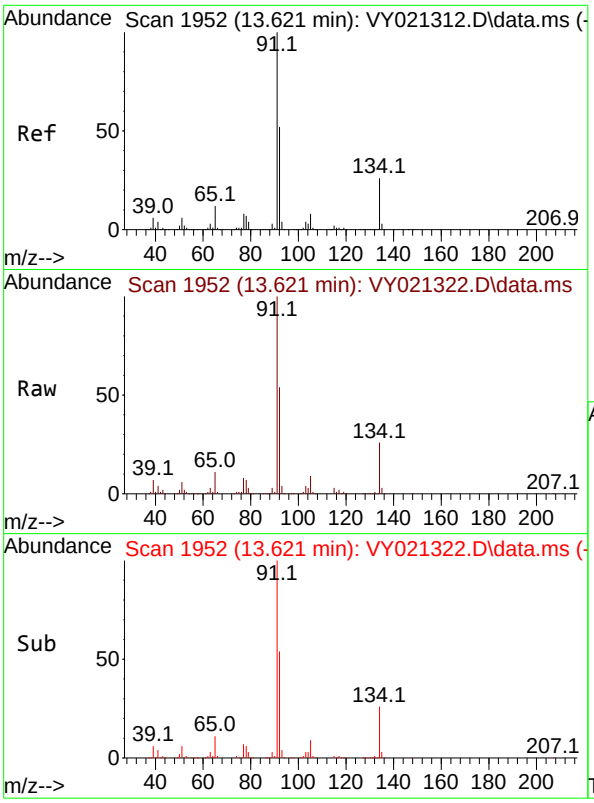



#88
1,4-Dichlorobenzene
Concen: 19.226 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 84570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 19.5 | 58.5 |
| 148 | 63.6 | 32.0 | 96.2 |

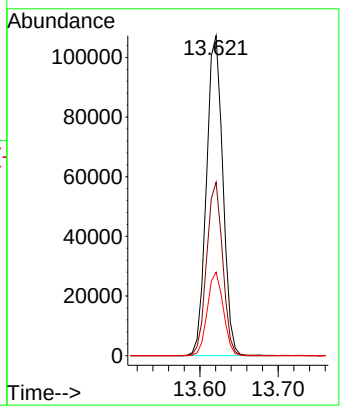





#89
n-Butylbenzene
Concen: 18.911 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 15562

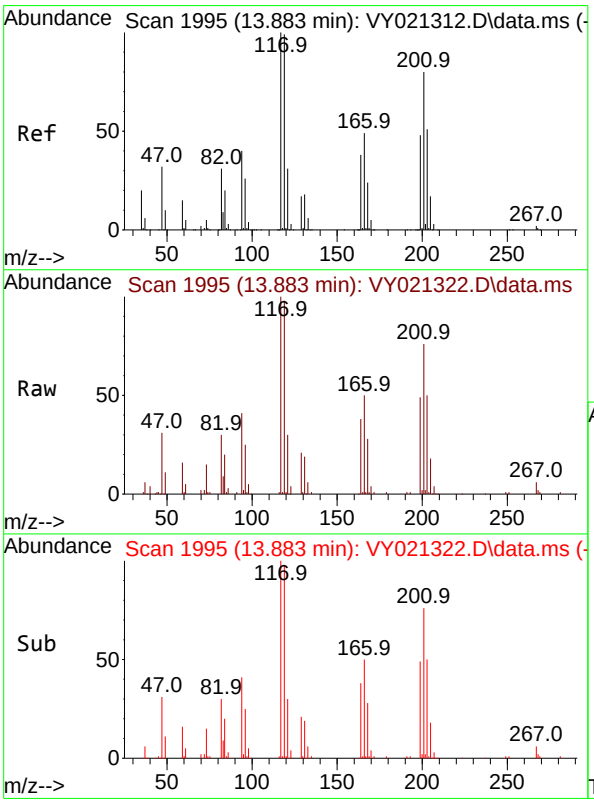
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.4 | 79.2 |
| 134 | 25.5 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

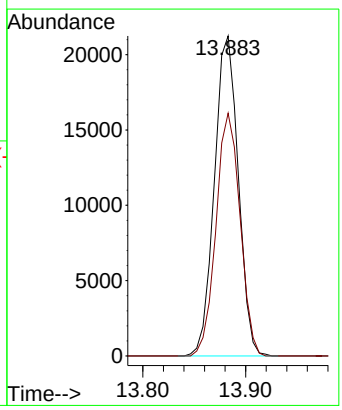
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

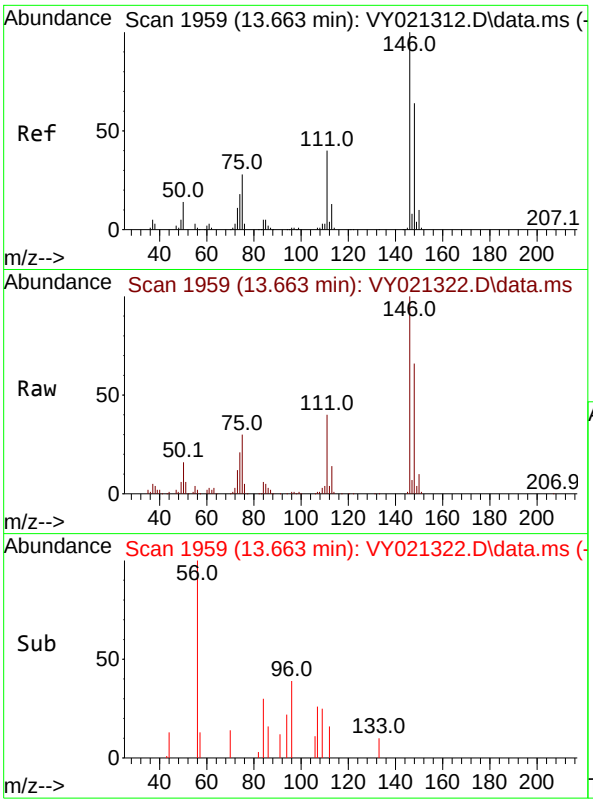



#90
Hexachloroethane
Concen: 18.736 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 34224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.4 | 38.4 | 115.2 |

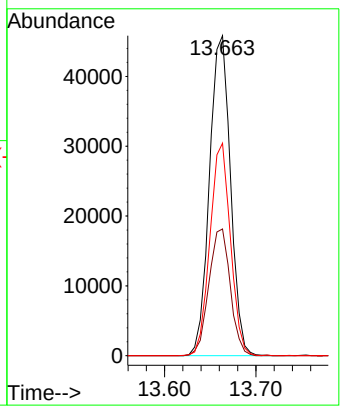





#91
1,2-Dichlorobenzene
Concen: 18.778 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 7325

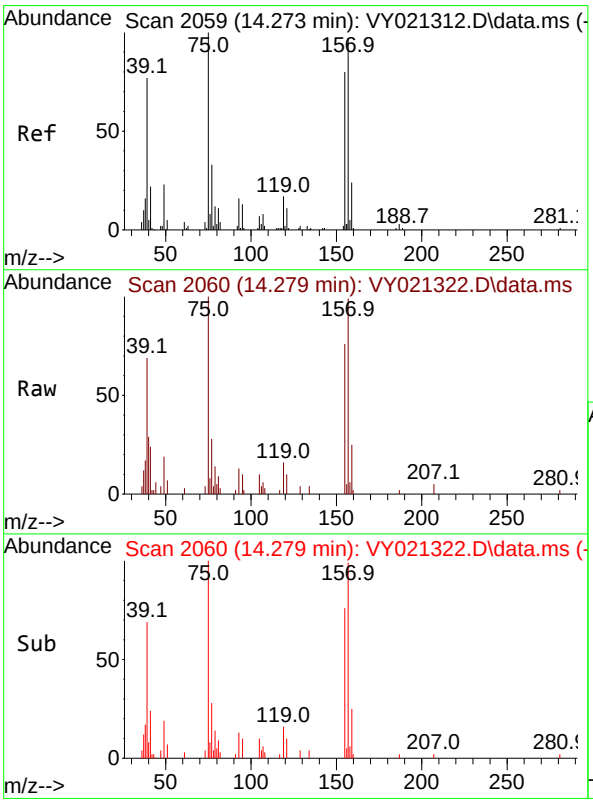
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 20.7 | 62.1 |
| 148 | 64.9 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

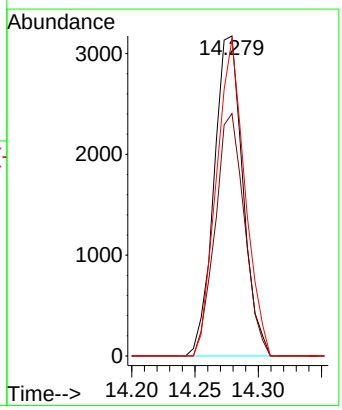
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

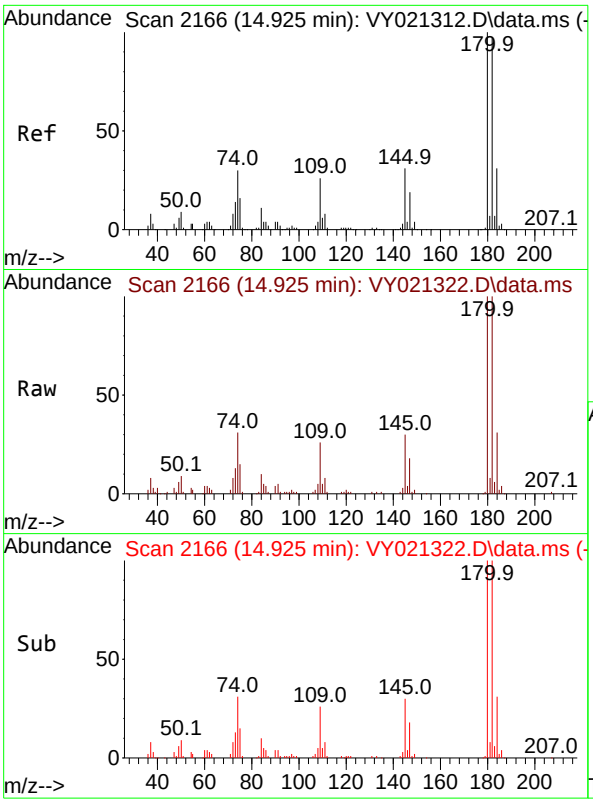



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.599 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 5025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 76.7 | 41.9 | 125.6 |
| 157 | 97.9 | 52.5 | 157.6 |

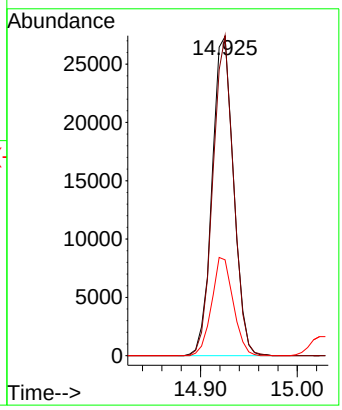





#93
1,2,4-Trichlorobenzene
Concen: 17.702 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:180 Resp: 4214

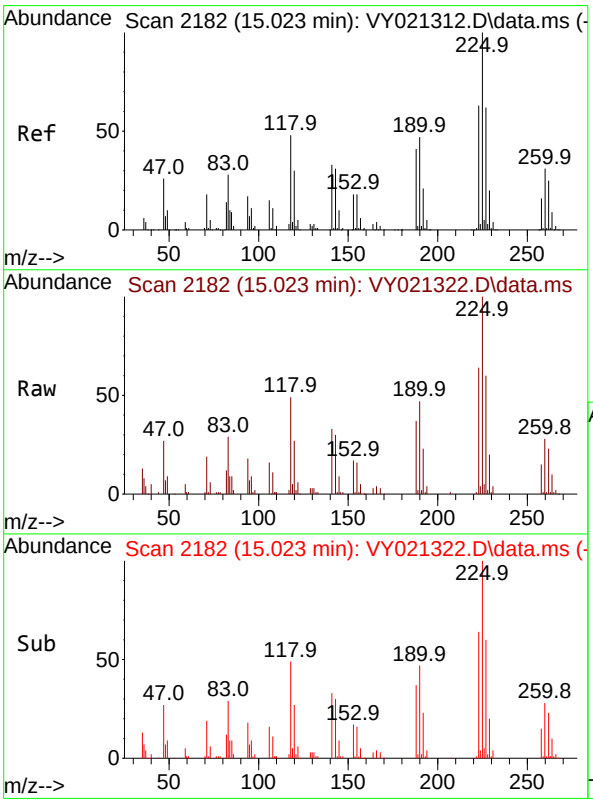
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 47.9 | 143.7 |
| 145 | 30.9 | 15.6 | 46.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

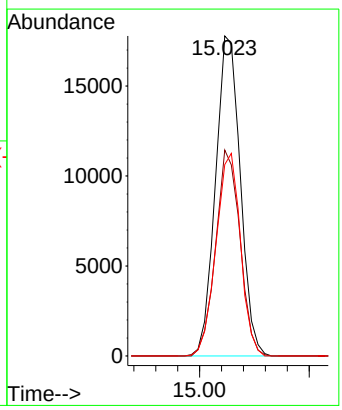
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

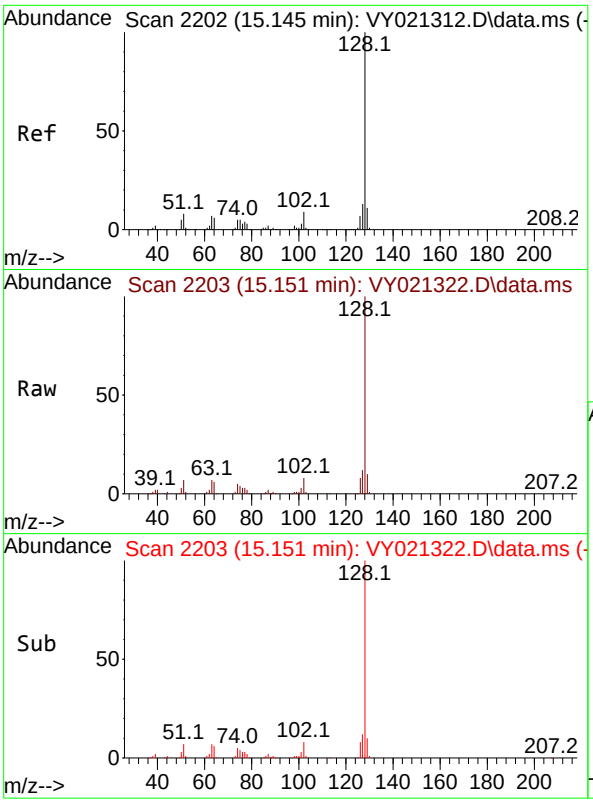



#94
Hexachlorobutadiene
Concen: 18.650 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:225 Resp: 27956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 31.8 | 95.4 |
| 227 | 62.6 | 31.9 | 95.7 |

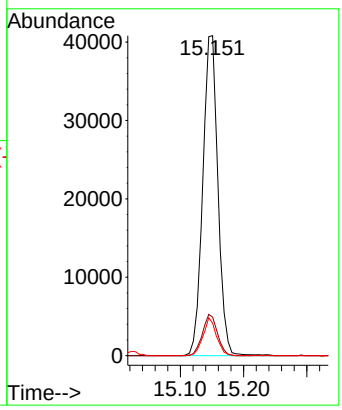





#95
Naphthalene
Concen: 17.269 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:128 Resp: 6810

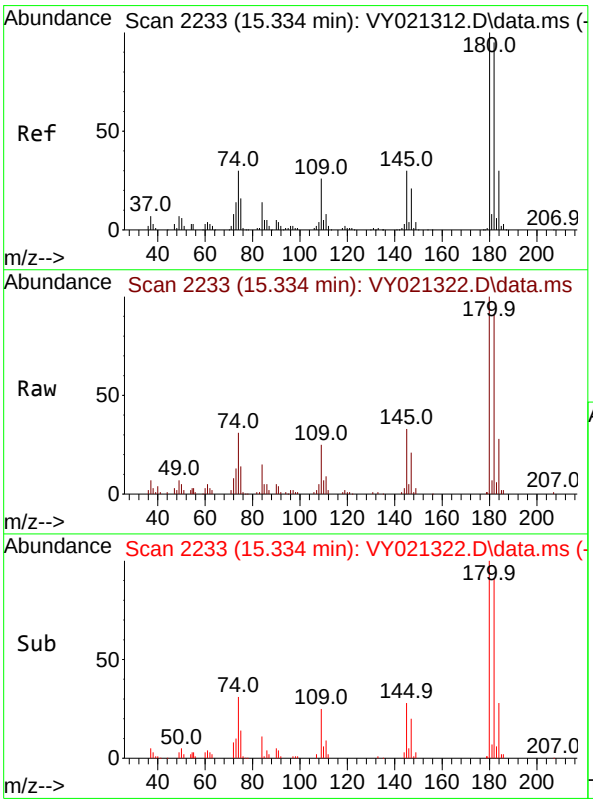
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 10.5 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

**Manual Integrations**
**APPROVED**

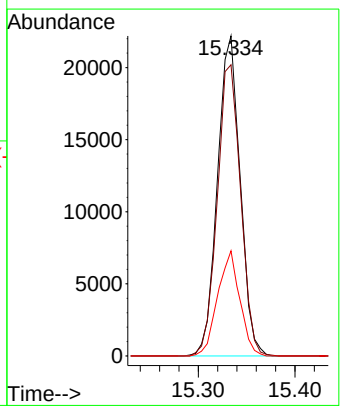
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025




#96
1,2,3-Trichlorobenzene
Concen: 17.931 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:180 Resp: 36072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 48.3 | 144.9 |
| 145 | 32.1 | 16.1 | 48.3 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0226SBSD01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0226SBSD01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021323.D | 1 | | 02/26/25 11:44 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.019 | | 0.0017 | 0.0040 | 0.0050 | mg/Kg |
| 74-87-3 | Chloromethane | 0.020 | | 0.0012 | 0.0025 | 0.0050 | mg/Kg |
| 75-01-4 | Vinyl Chloride | 0.019 | | 0.00077 | 0.0025 | 0.0050 | mg/Kg |
| 74-83-9 | Bromomethane | 0.019 | | 0.0010 | 0.0040 | 0.0050 | mg/Kg |
| 75-00-3 | Chloroethane | 0.020 | | 0.0010 | 0.0025 | 0.0050 | mg/Kg |
| 109-99-9 | Tetrahydrofuran | 0.099 | | 0.0052 | 0.013 | 0.025 | mg/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.019 | | 0.00091 | 0.0040 | 0.0050 | mg/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.020 | | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.019 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 107-13-1 | Acrylonitrile | 0.096 | | 0.0050 | 0.013 | 0.025 | mg/Kg |
| 67-64-1 | Acetone | 0.091 | | 0.0062 | 0.020 | 0.025 | mg/Kg |
| 75-15-0 | Carbon Disulfide | 0.019 | | 0.0013 | 0.0040 | 0.0050 | mg/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.020 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 75-09-2 | Methylene Chloride | 0.019 | | 0.0034 | 0.0080 | 0.010 | mg/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.019 | | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.020 | | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 78-93-3 | 2-Butanone | 0.094 | | 0.0057 | 0.020 | 0.025 | mg/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.020 | | 0.00087 | 0.0025 | 0.0050 | mg/Kg |
| 594-20-7 | 2,2-Dichloropropane | 0.019 | | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.020 | | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 67-66-3 | Chloroform | 0.020 | | 0.00067 | 0.0040 | 0.0050 | mg/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.019 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 563-58-6 | 1,1-Dichloropropene | 0.020 | | 0.00073 | 0.0025 | 0.0050 | mg/Kg |
| 71-43-2 | Benzene | 0.020 | | 0.00072 | 0.0025 | 0.0050 | mg/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.020 | | 0.00061 | 0.0025 | 0.0050 | mg/Kg |
| 79-01-6 | Trichloroethene | 0.020 | | 0.00075 | 0.0025 | 0.0050 | mg/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.020 | | 0.00066 | 0.0025 | 0.0050 | mg/Kg |
| 74-95-3 | Dibromomethane | 0.019 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 75-27-4 | Bromodichloromethane | 0.020 | | 0.00056 | 0.0025 | 0.0050 | mg/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.098 | | 0.0044 | 0.013 | 0.025 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0226SBSD01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0226SBSD01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021323.D | 1 | | 02/26/25 11:44 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 108-88-3 | Toluene | 0.020 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.020 | | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.019 | | 0.00057 | 0.0025 | 0.0050 | mg/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.019 | | 0.00084 | 0.0025 | 0.0050 | mg/Kg |
| 142-28-9 | 1,3-Dichloropropane | 0.020 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 591-78-6 | 2-Hexanone | 0.097 | | 0.0048 | 0.013 | 0.025 | mg/Kg |
| 124-48-1 | Dibromochloromethane | 0.020 | | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.019 | | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 127-18-4 | Tetrachloroethene | 0.020 | | 0.00089 | 0.0025 | 0.0050 | mg/Kg |
| 108-90-7 | Chlorobenzene | 0.020 | | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.019 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 100-41-4 | Ethyl Benzene | 0.019 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 179601-23-1 | m/p-Xylenes | 0.039 | | 0.0014 | 0.0050 | 0.010 | mg/Kg |
| 1330-20-7 | Total Xylenes | 0.058 | | 0.0021 | 0.0075 | 0.015 | mg/Kg |
| 95-47-6 | o-Xylene | 0.019 | | 0.00070 | 0.0025 | 0.0050 | mg/Kg |
| 100-42-5 | Styrene | 0.020 | | 0.00060 | 0.0025 | 0.0050 | mg/Kg |
| 75-25-2 | Bromoform | 0.019 | | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 98-82-8 | Isopropylbenzene | 0.020 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.019 | | 0.0011 | 0.0025 | 0.0050 | mg/Kg |
| 96-18-4 | 1,2,3-Trichloropropane | 0.015 | | 0.0012 | 0.0040 | 0.0050 | mg/Kg |
| 108-86-1 | Bromobenzene | 0.019 | | 0.00065 | 0.0025 | 0.0050 | mg/Kg |
| 103-65-1 | n-propylbenzene | 0.020 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 95-49-8 | 2-Chlorotoluene | 0.020 | | 0.00062 | 0.0025 | 0.0050 | mg/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.020 | | 0.00064 | 0.0025 | 0.0050 | mg/Kg |
| 106-43-4 | 4-Chlorotoluene | 0.019 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 98-06-6 | tert-Butylbenzene | 0.019 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.020 | | 0.0014 | 0.0025 | 0.0050 | mg/Kg |
| 135-98-8 | sec-Butylbenzene | 0.020 | | 0.00067 | 0.0025 | 0.0050 | mg/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.020 | | 0.00058 | 0.0025 | 0.0050 | mg/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.020 | | 0.00074 | 0.0025 | 0.0050 | mg/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.020 | | 0.00080 | 0.0025 | 0.0050 | mg/Kg |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | VY0226SBSD01 | SDG No.: | Q1382 |
| Lab Sample ID: | VY0226SBSD01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group3 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY021323.D | 1 | | 02/26/25 11:44 | VY022625 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 104-51-8 | n-Butylbenzene | 0.020 | | 0.00063 | 0.0025 | 0.0050 | mg/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.020 | | 0.00059 | 0.0025 | 0.0050 | mg/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.018 | | 0.0016 | 0.0040 | 0.0050 | mg/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.019 | | 0.00079 | 0.0025 | 0.0050 | mg/Kg |
| 87-68-3 | Hexachlorobutadiene | 0.019 | | 0.00081 | 0.0025 | 0.0050 | mg/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.019 | | 0.00078 | 0.0025 | 0.0050 | mg/Kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.018 | | 0.00080 | 0.0025 | 0.0050 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.5 | | 71 - 136 | | 97% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.1 | | 78 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.9 | | 85 - 116 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.3 | | 79 - 119 | | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 186000 | 7.707 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 292000 | 8.615 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 259000 | 11.414 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 130000 | 13.346 | | | | |

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_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 186200 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.615 | 114 | 292071 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 258744 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 129829 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 102341 | 48.451 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 96.900% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 94057 | 49.120 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 98.240% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 369458 | 49.924 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 99.840% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 125203 | 50.271 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 100.540% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 33929 | 19.219 | ug/l | 98 |
| 3) Chloromethane | 2.068 | 50 | 44643 | 19.581 | ug/l | 94 |
| 4) Vinyl Chloride | 2.202 | 62 | 43431 | 19.408 | ug/l | 95 |
| 5) Bromomethane | 2.586 | 94 | 28875 | 19.417 | ug/l | 91 |
| 6) Chloroethane | 2.732 | 64 | 27157 | 19.569 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 64725 | 19.152 | ug/l | 98 |
| 8) Diethyl Ether | 3.452 | 74 | 19301 | 19.028 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 39047 | 19.956 | ug/l | 99 |
| 10) Methyl Iodide | 4.000 | 142 | 38731 | 18.815 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.848 | 59 | 15317 | 94.274 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 35945 | 19.186 | ug/l | 98 |
| 13) Acrolein | 3.647 | 56 | 22337 | 179.408 | ug/l | 96 |
| 14) Allyl chloride | 4.385 | 41 | 64619 | 19.454 | ug/l | 99 |
| 15) Acrylonitrile | 5.049 | 53 | 42848 | 95.540 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 36994 | 91.302 | ug/l | 96 |
| 17) Carbon Disulfide | 4.104 | 76 | 119697 | 19.240 | ug/l | 99 |
| 18) Methyl Acetate | 4.378 | 43 | 19000 | 19.188 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 96512 | 19.498 | ug/l | 98 |
| 20) Methylene Chloride | 4.616 | 84 | 41428 | 18.908 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 39986 | 19.387 | ug/l | 97 |
| 22) Diisopropyl ether | 6.018 | 45 | 136570 | 19.868 | ug/l | 97 |
| 23) Vinyl Acetate | 5.957 | 43 | 400683 | 97.548 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 75455 | 19.476 | ug/l | 100 |
| 25) 2-Butanone | 6.896 | 43 | 57737 | 94.416 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 67846 | 19.300 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.884 | 96 | 46880 | 19.905 | ug/l | 98 |
| 28) Bromochloromethane | 7.238 | 49 | 34082 | 19.882 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 39639 | 99.167 | ug/l | 97 |
| 30) Chloroform | 7.421 | 83 | 76696 | 19.537 | ug/l | 98 |
| 31) Cyclohexane | 7.701 | 56 | 71145 | 19.104 | ug/l # | 94 |
| 32) 1,1,1-Trichloroethane | 7.610 | 97 | 68700 | 19.226 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 57651 | 20.043 | ug/l | 99 |
| 37) Ethyl Acetate | 6.982 | 43 | 28136 | 19.665 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 63336 | 19.587 | ug/l | 99 |
| 39) Methylcyclohexane | 9.109 | 83 | 71099 | 19.543 | ug/l | 99 |
| 40) Benzene | 8.079 | 78 | 169384 | 19.922 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 16363 | 20.455 | ug/l | # | 73 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 47566 | 19.718 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.195 | 43 | 54330 | 19.618 | ug/l | | 99 |
| 44) Trichloroethene | 8.865 | 130 | 41805 | 19.638 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 40089 | 19.592 | ug/l | | 99 |
| 46) Dibromomethane | 9.231 | 93 | 21727 | 19.425 | ug/l | | 100 |
| 47) Bromodichloromethane | 9.420 | 83 | 58116 | 19.487 | ug/l | | 100 |
| 48) Methyl methacrylate | 9.219 | 41 | 23787 | 18.368 | ug/l | | 94 |
| 49) 1,4-Dioxane | 9.225 | 88 | 4464 | 358.943 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 138572 | 97.751 | ug/l | | 99 |
| 52) Toluene | 10.170 | 92 | 104255 | 19.738 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 53978 | 19.755 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 62124 | 19.260 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 28227 | 19.373 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.438 | 69 | 39319 | 19.530 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 51397 | 20.102 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 90024 | 93.158 | ug/l | | 100 |
| 59) 2-Hexanone | 10.761 | 43 | 89865 | 96.524 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.914 | 129 | 39272 | 19.790 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 26713 | 19.365 | ug/l | | 96 |
| 64) Tetrachloroethene | 10.646 | 164 | 38493 | 19.682 | ug/l | | 99 |
| 65) Chlorobenzene | 11.444 | 112 | 113821 | 19.597 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 39353 | 19.350 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.517 | 91 | 197780 | 19.225 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 149341 | 38.593 | ug/l | | 98 |
| 69) o-Xylene | 11.956 | 106 | 70486 | 19.444 | ug/l | | 99 |
| 70) Styrene | 11.969 | 104 | 119367 | 19.791 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 22170 | 19.055 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.255 | 105 | 192163 | 19.688 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 47929 | 19.319 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 33436 | 19.410 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 19345m | 14.886 | ug/l | | |
| 77) Bromobenzene | 12.529 | 156 | 44137 | 19.442 | ug/l | | 99 |
| 78) n-propylbenzene | 12.596 | 91 | 231519 | 19.547 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 132259 | 19.457 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 157749 | 19.706 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 10784 | 18.445 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 136654 | 19.394 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 139478 | 19.288 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 156482 | 19.655 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 207160 | 19.613 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 172280 | 19.534 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.285 | 146 | 88325 | 19.668 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 87772 | 19.784 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 162070 | 19.527 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 35761 | 19.411 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 76555 | 19.457 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 4895 | 17.963 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 45740 | 19.047 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 28899 | 19.115 | ug/l | | 98 |
| 95) Naphthalene | 15.145 | 128 | 73713 | 18.532 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 38421 | 18.936 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

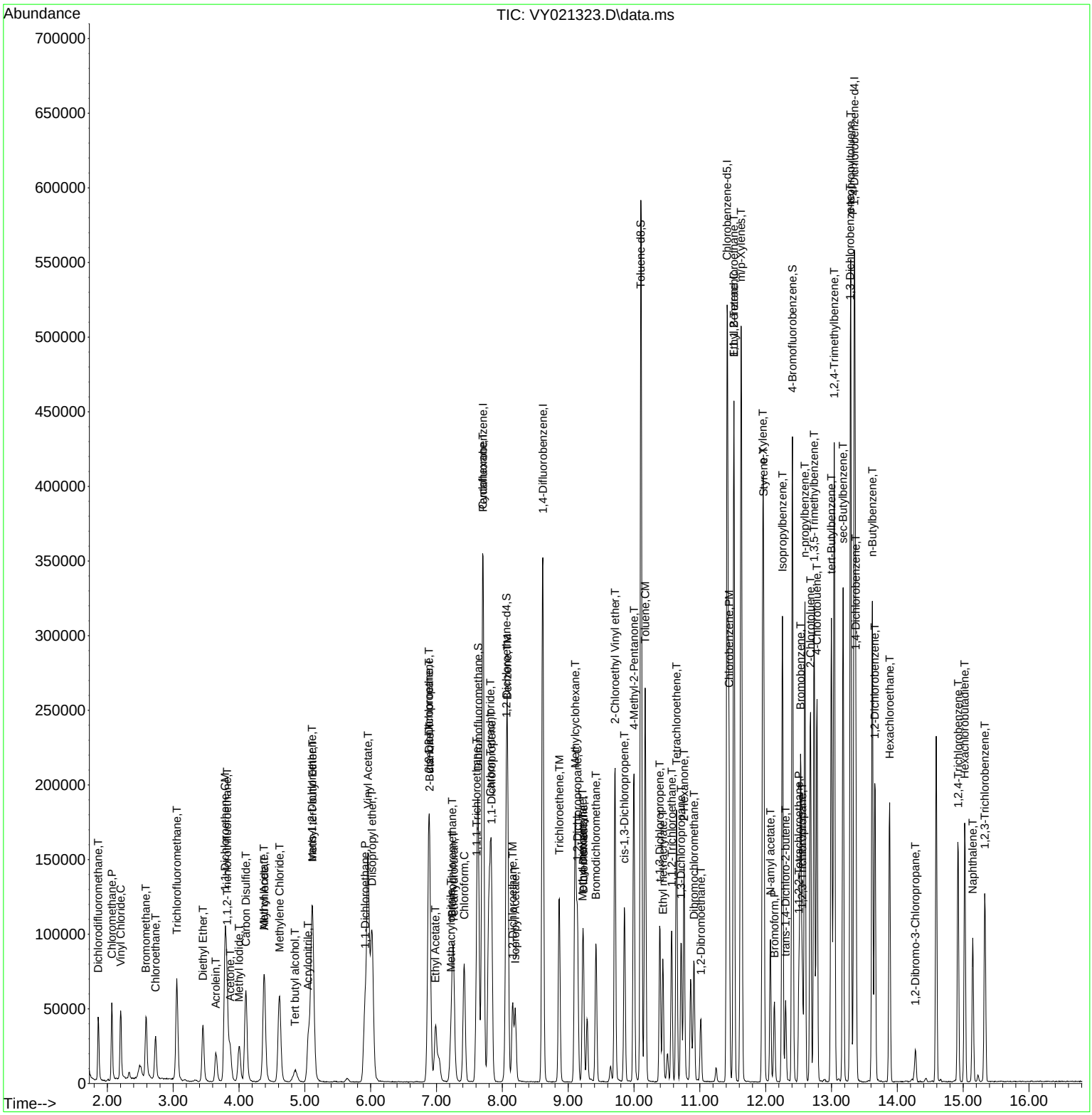
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

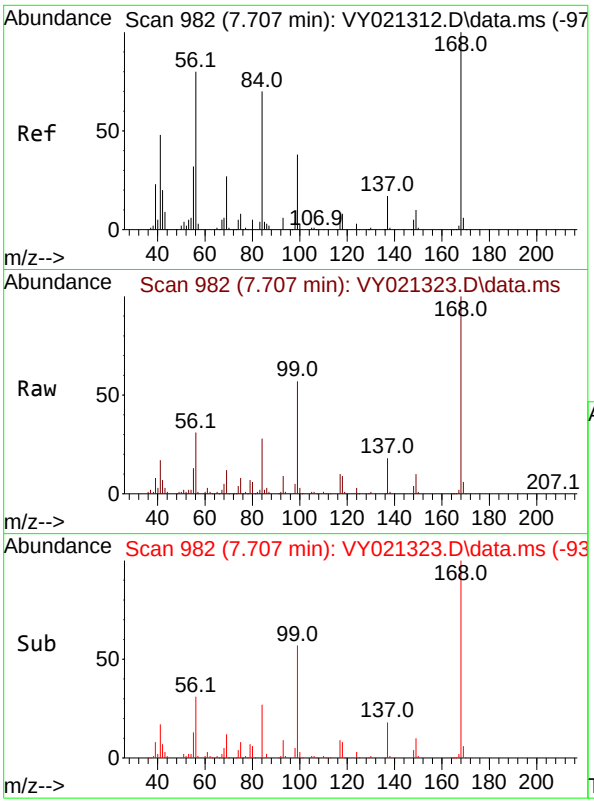
Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

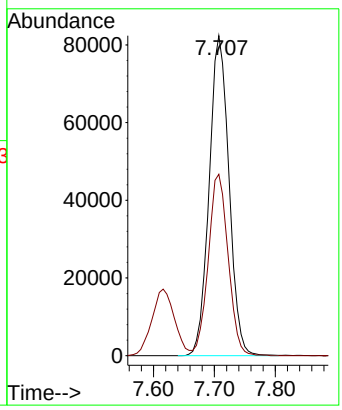





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:168 Resp: 18620

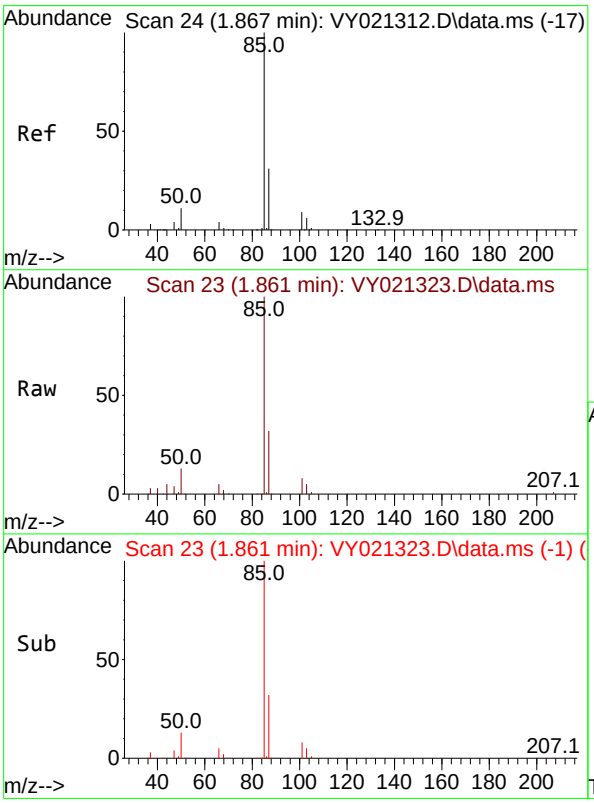
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.7 | 47.1 | 70.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
**APPROVED**

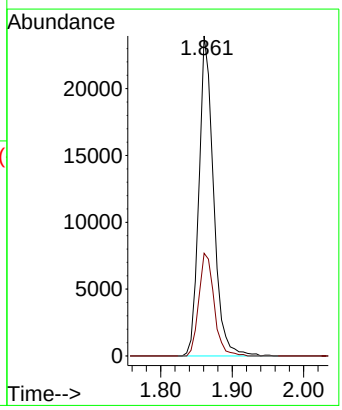
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

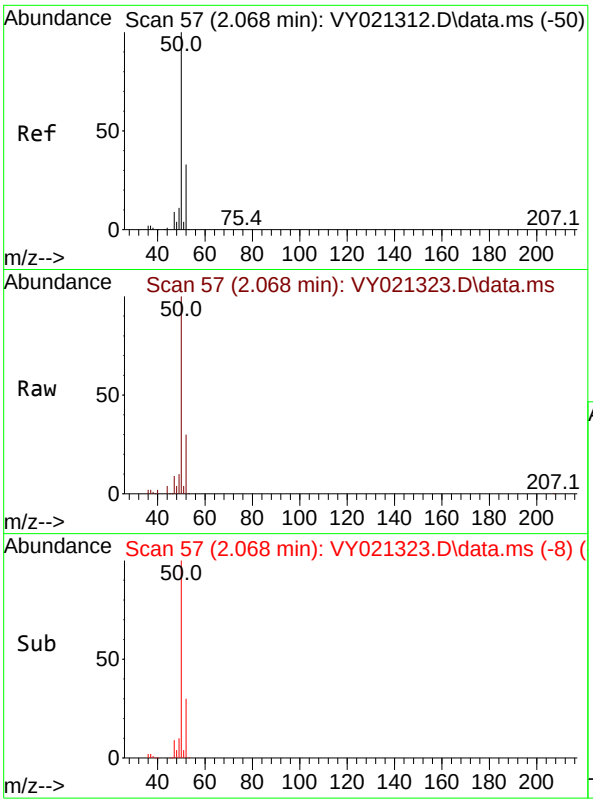



#2
Dichlorodifluoromethane
Concen: 19.219 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 85 Resp: 33929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 15.4 | 46.4 |

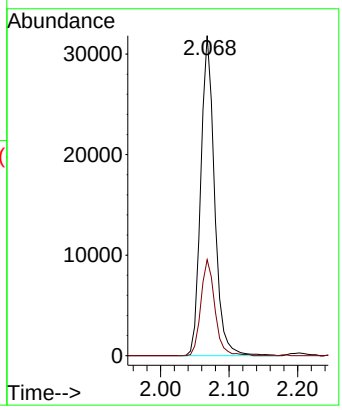





#3
Chloromethane
Concen: 19.581 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 50 Resp: 4464

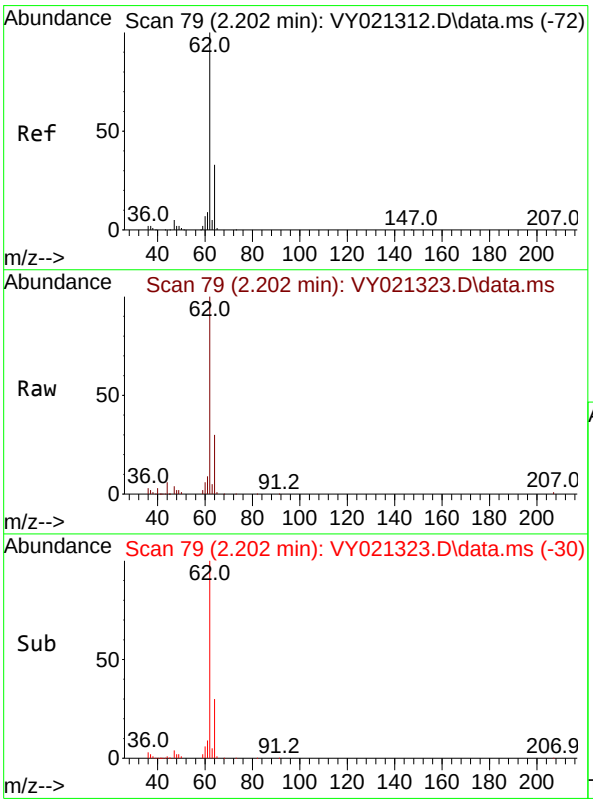
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.0 | 26.6 | 40.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
**APPROVED**

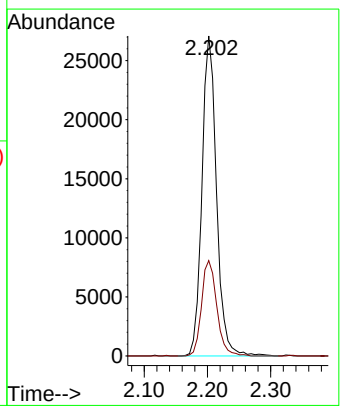
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

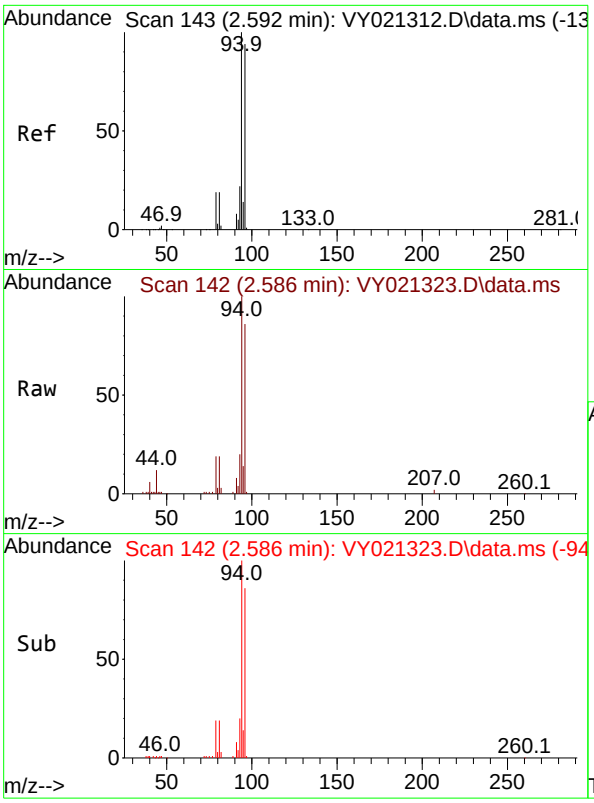



#4
Vinyl Chloride
Concen: 19.408 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 62 Resp: 43431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.8 | 26.3 | 39.5 |

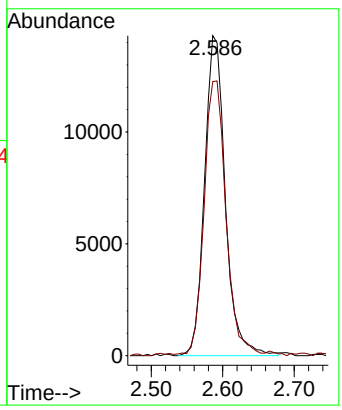





#5
Bromomethane
Concen: 19.417 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 94 Resp: 2887

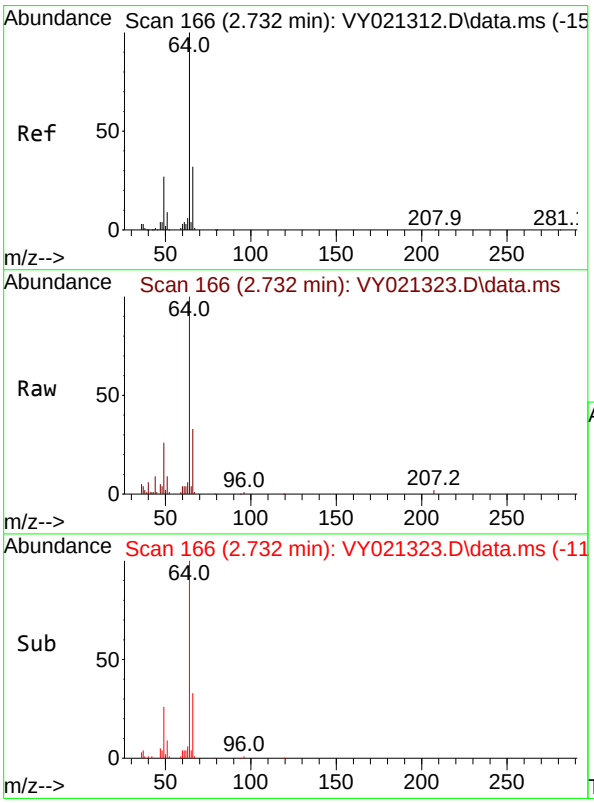
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 85.1 | 75.2 | 112.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
**APPROVED**

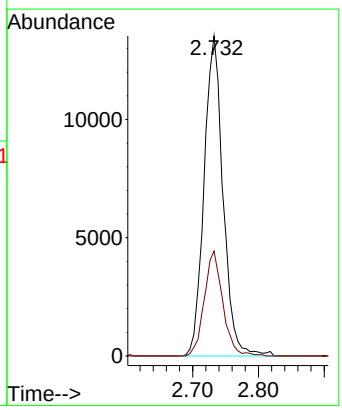
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

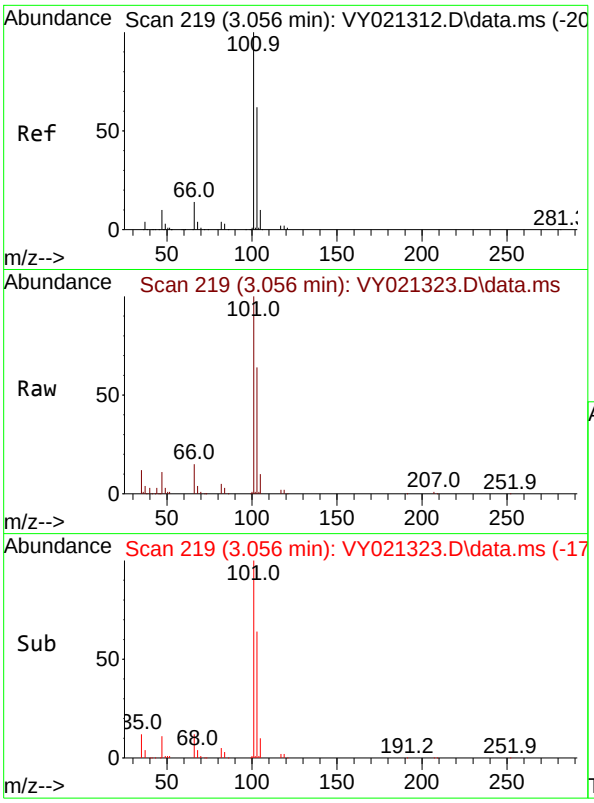



#6
Chloroethane
Concen: 19.569 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 64 Resp: 27157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.7 | 25.4 | 38.0 |

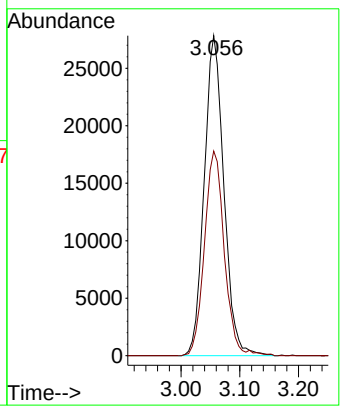





#7
Trichlorofluoromethane
Concen: 19.152 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:101 Resp: 6472

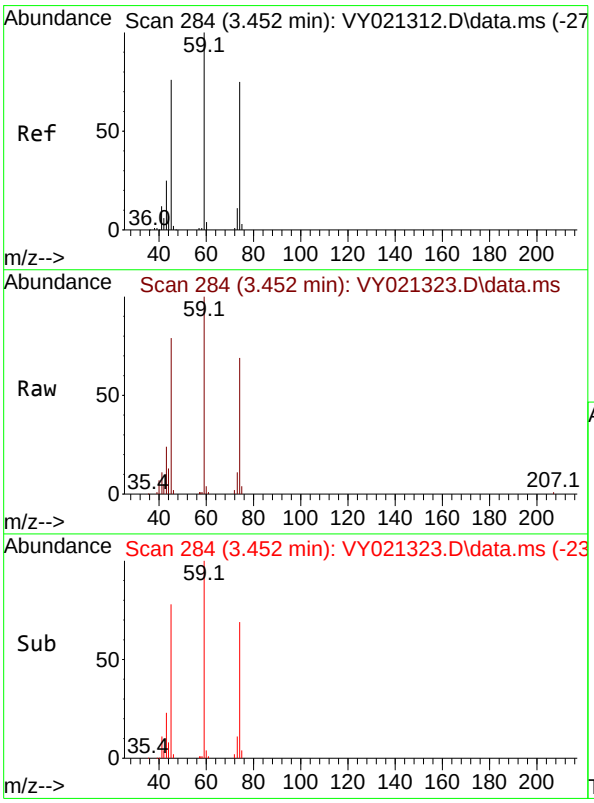
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.9 | 49.7 | 74.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
**APPROVED**

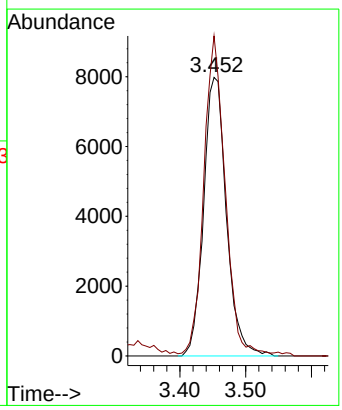
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

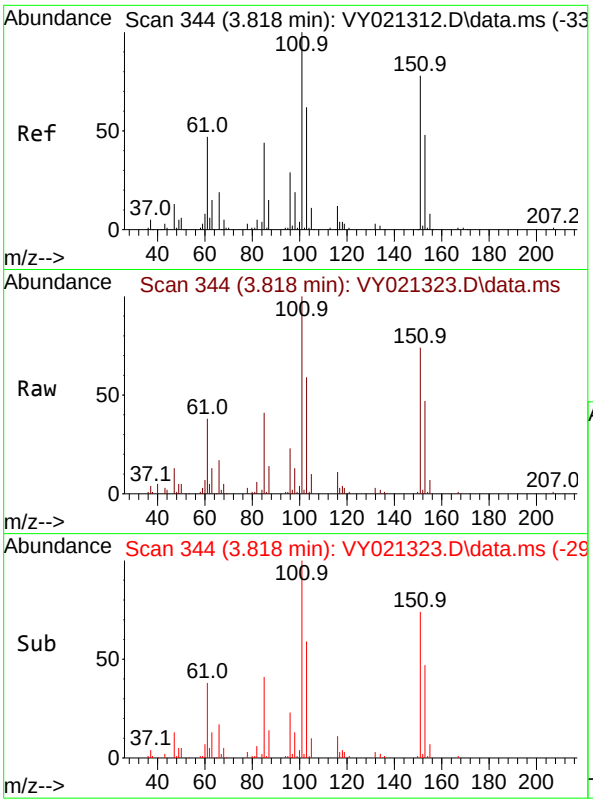



#8
Diethyl Ether
Concen: 19.028 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 74 Resp: 19301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 105.2 | 50.3 | 150.9 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.956 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:101 Resp: 3904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.0 | 36.7 | 55.1 |
| 151 | 77.7 | 62.6 | 94.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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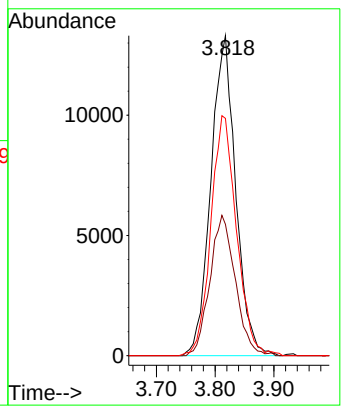
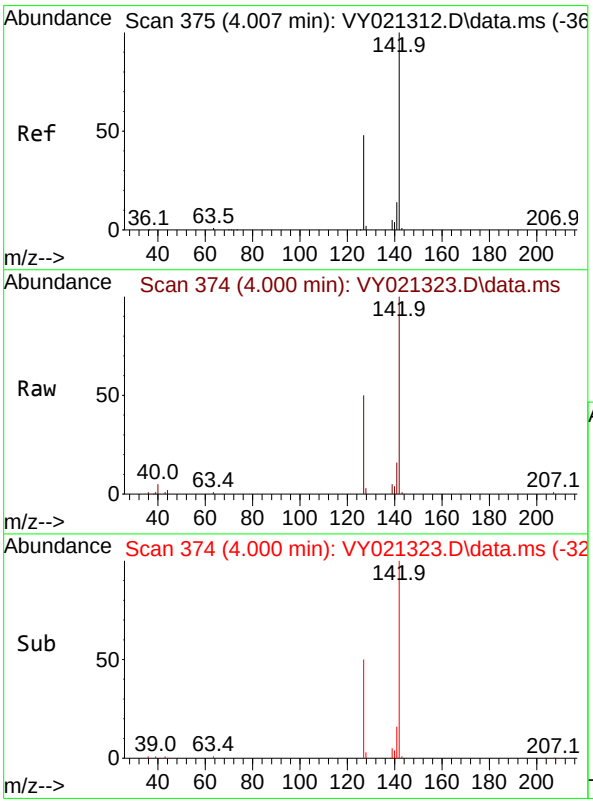
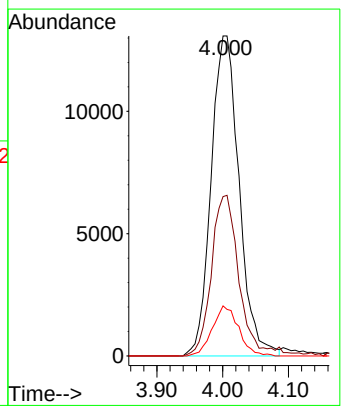


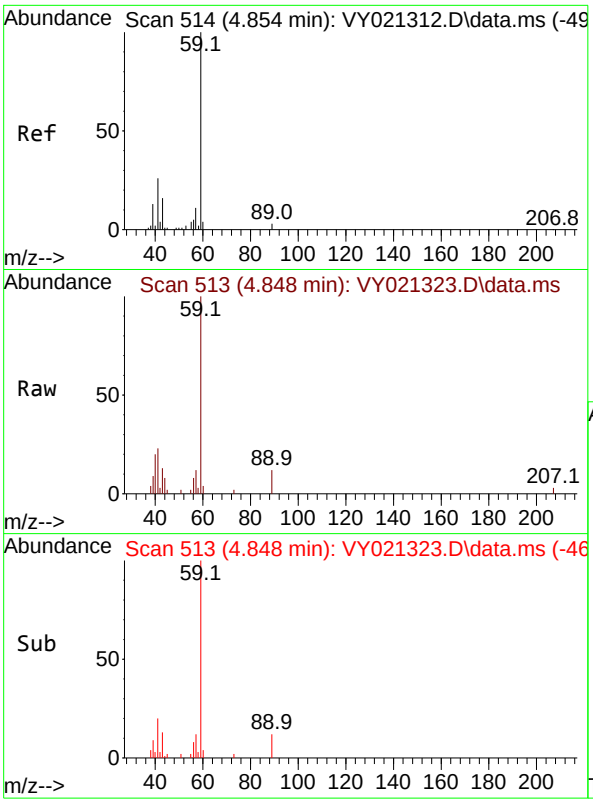




#10
Methyl Iodide
Concen: 18.815 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:142 Resp: 38731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.9 | 39.2 | 58.8 |
| 141 | 14.7 | 11.4 | 17.2 |

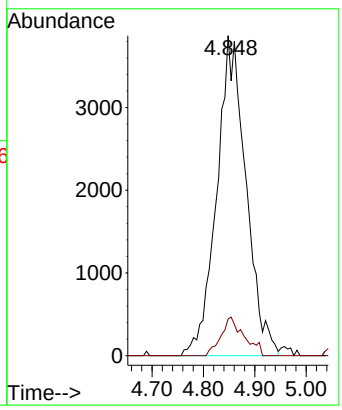





#11
Tert butyl alcohol
Concen: 94.274 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 59 Resp: 1531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.4 | 8.3 | 12.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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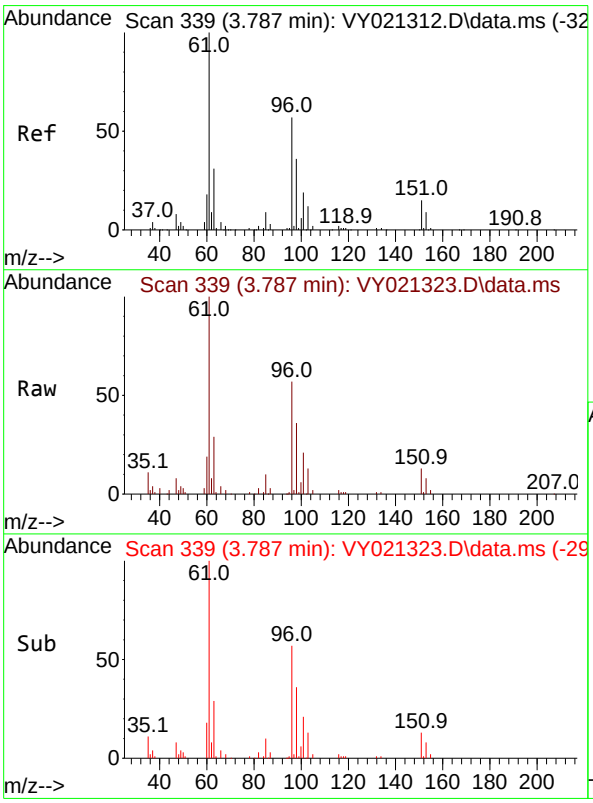
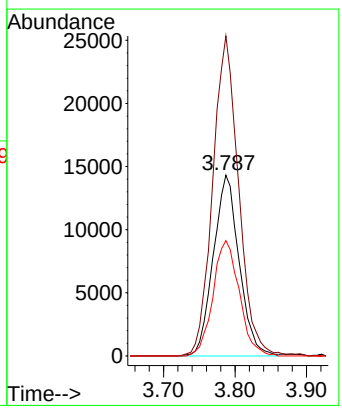
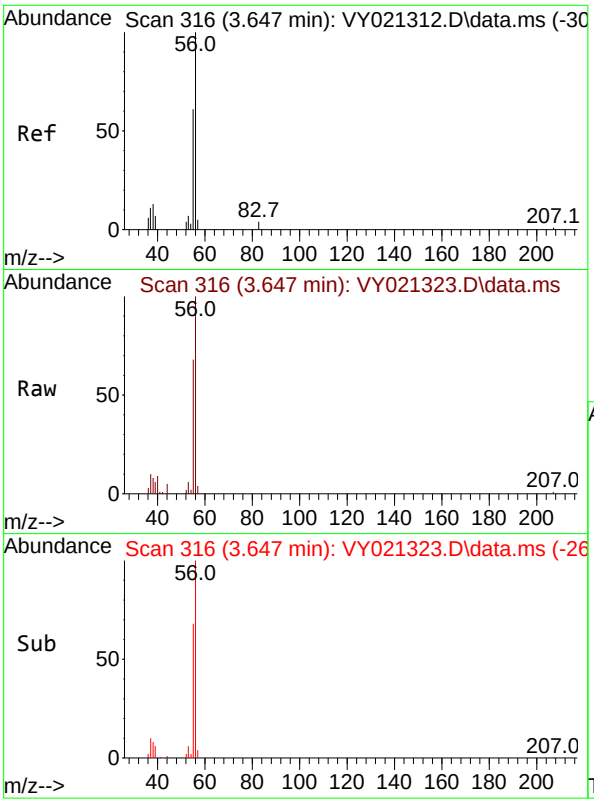



#12
1,1-Dichloroethene
Concen: 19.186 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 96 Resp: 35945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 177.0 | 139.7 | 209.5 |
| 98 | 63.8 | 49.7 | 74.5 |

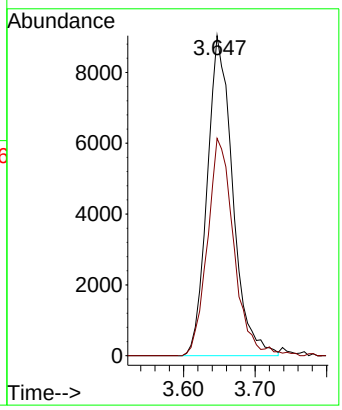





#13
Acrolein
Concen: 179.408 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 56 Resp: 2233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.6 | 59.0 | 88.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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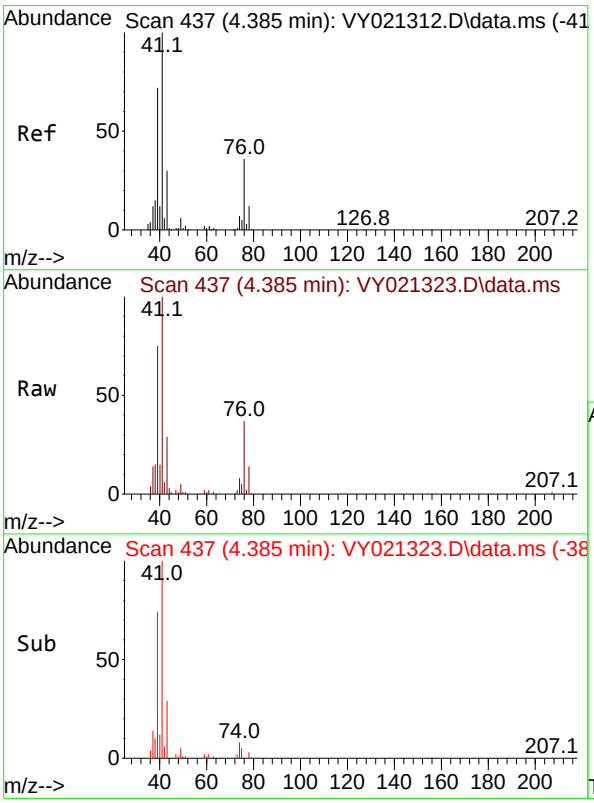
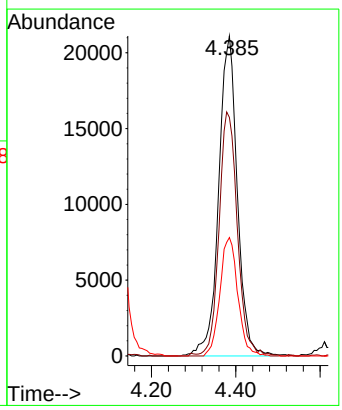
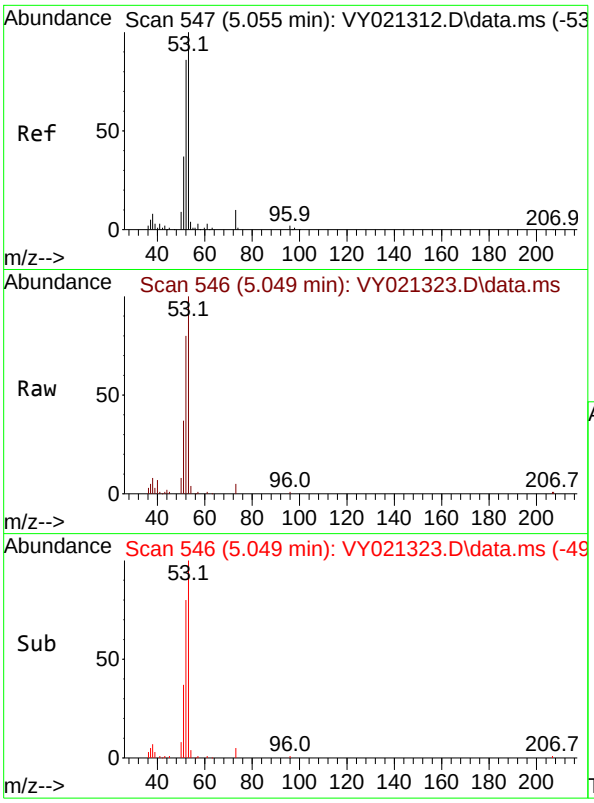



#14
Allyl chloride
Concen: 19.454 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 41 Resp: 64619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.7 | 60.0 | 90.0 |
| 76 | 35.5 | 29.0 | 43.6 |






#15
Acrylonitrile
Concen: 95.540 ug/l
RT: 5.049 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 53 Resp: 4284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 65.5 | 98.3 |
| 51 | 38.7 | 30.6 | 46.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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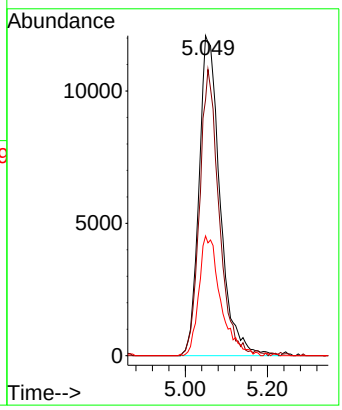
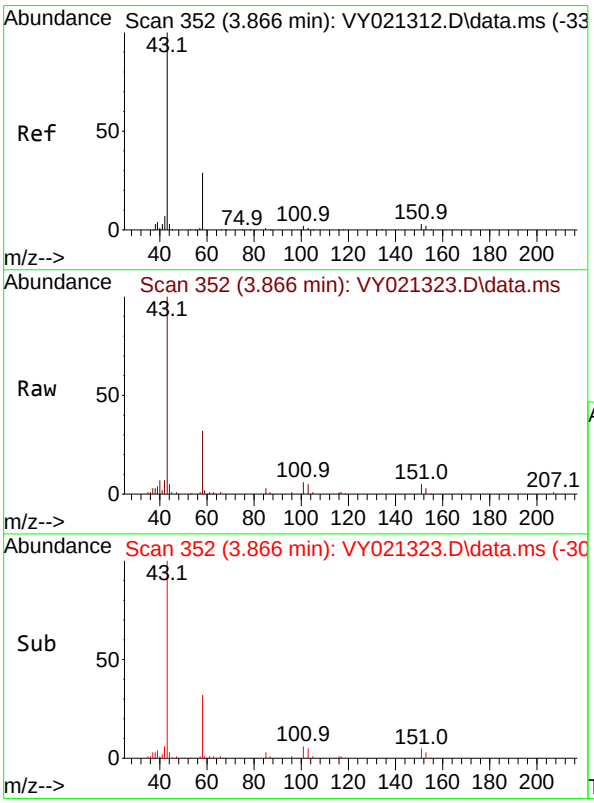
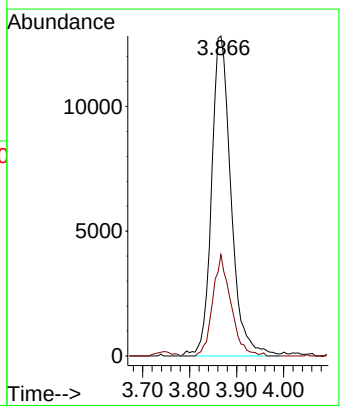


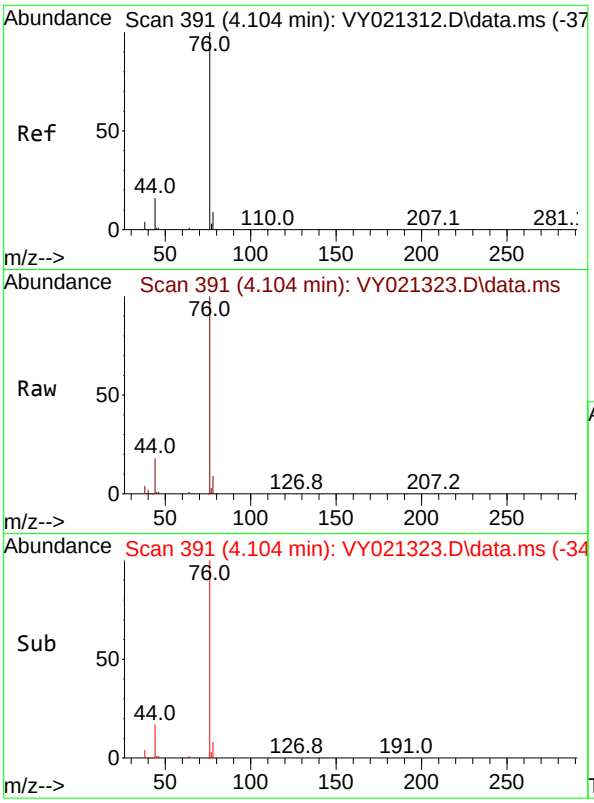




#16
Acetone
Concen: 91.302 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 36994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 23.5 | 35.3 |

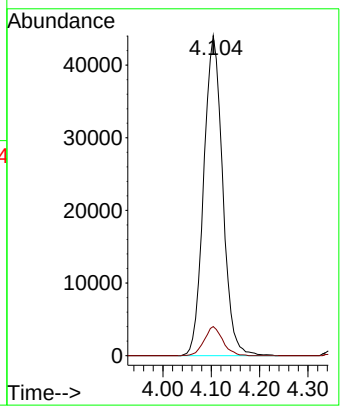





#17
Carbon Disulfide
Concen: 19.240 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 76 Resp: 11969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.1 | 10.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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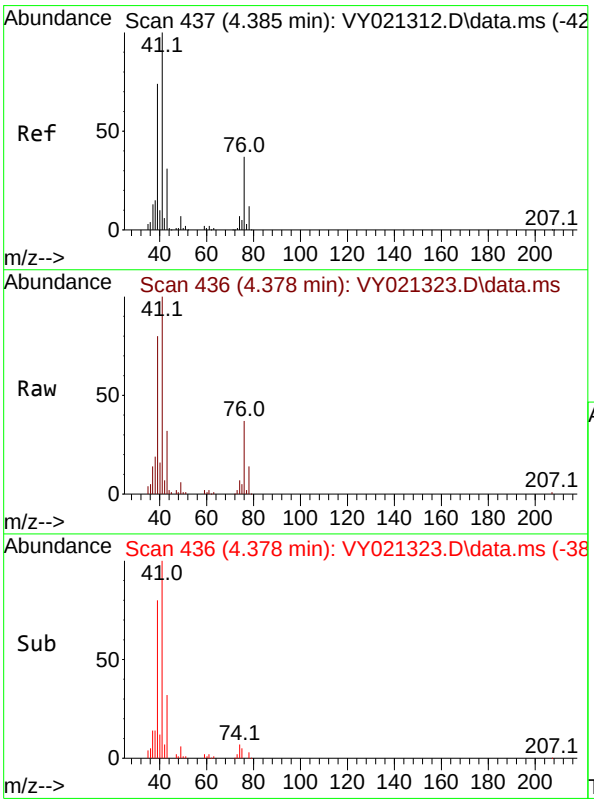
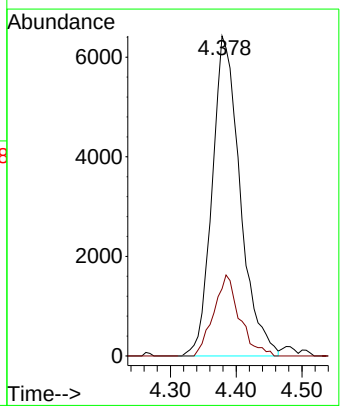
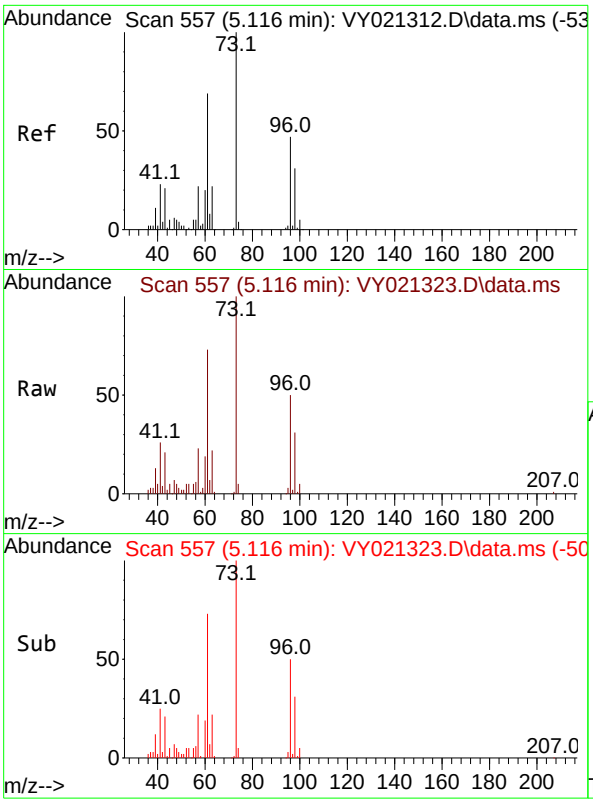



#18
Methyl Acetate
Concen: 19.188 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 19000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 17.7 | 26.5 |

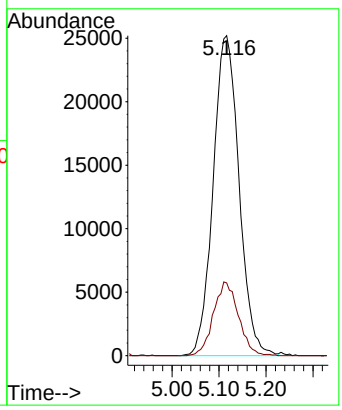





#19
Methyl tert-butyl Ether
Concen: 19.498 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 73 Resp: 9651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.8 | 17.4 | 26.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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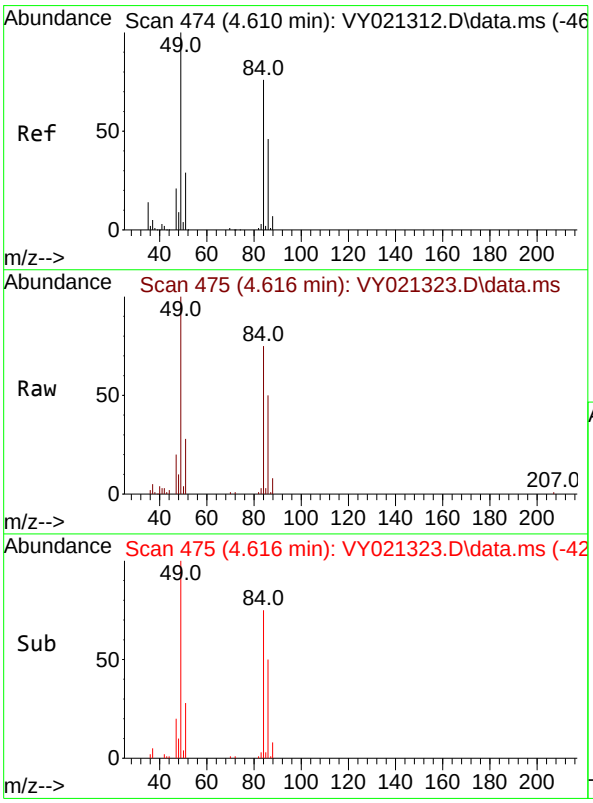
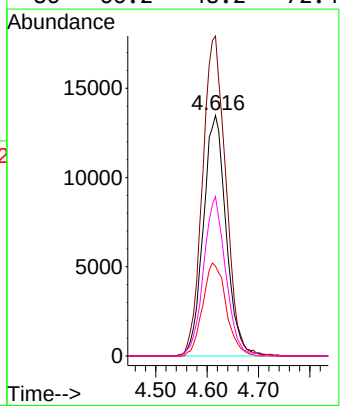
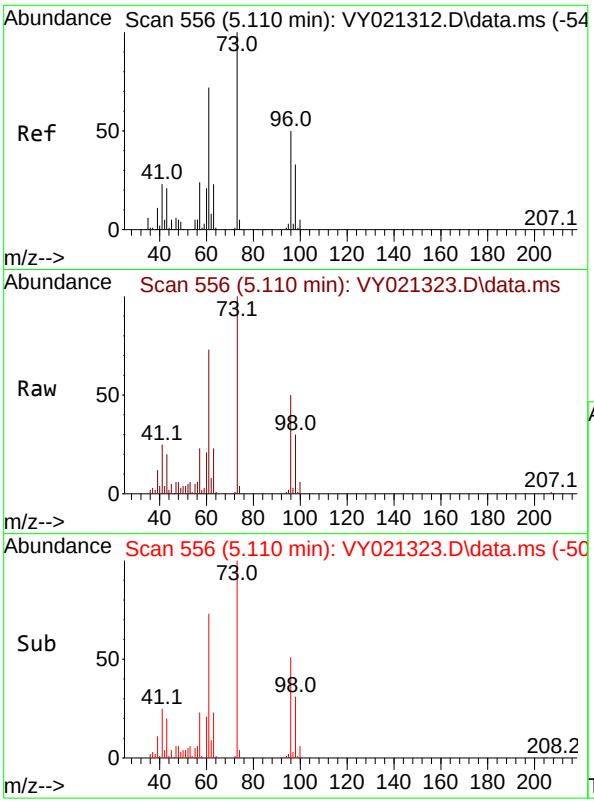



#20
Methylene Chloride
Concen: 18.908 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 84 Resp: 41428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 132.6 | 105.1 | 157.7 |
| 51 | 37.4 | 31.0 | 46.4 |
| 86 | 66.2 | 48.2 | 72.4 |

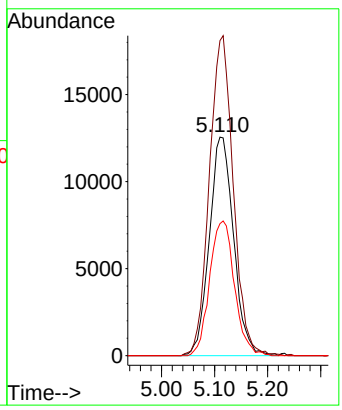





#21
trans-1,2-Dichloroethene
Concen: 19.387 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 96 Resp: 3998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.1 | 116.3 | 174.5 |
| 98 | 60.4 | 52.6 | 78.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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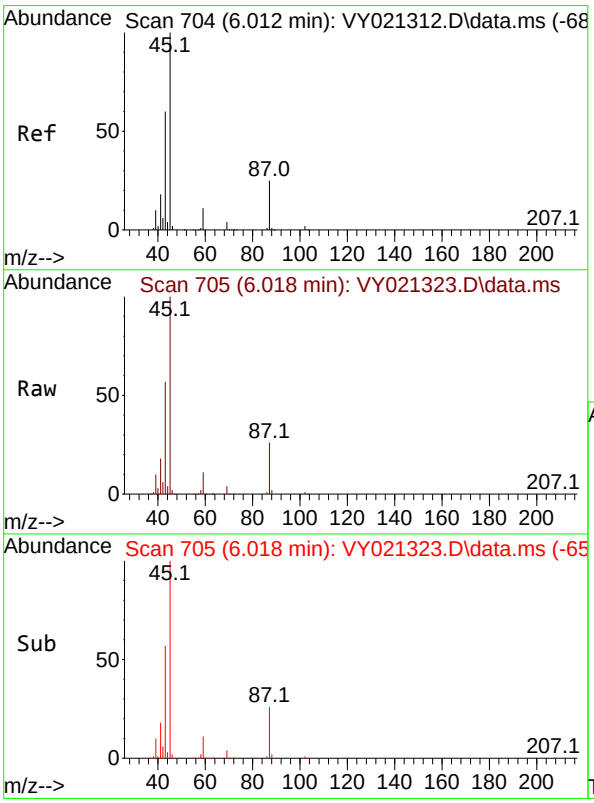
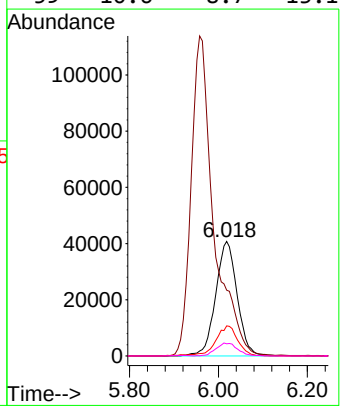
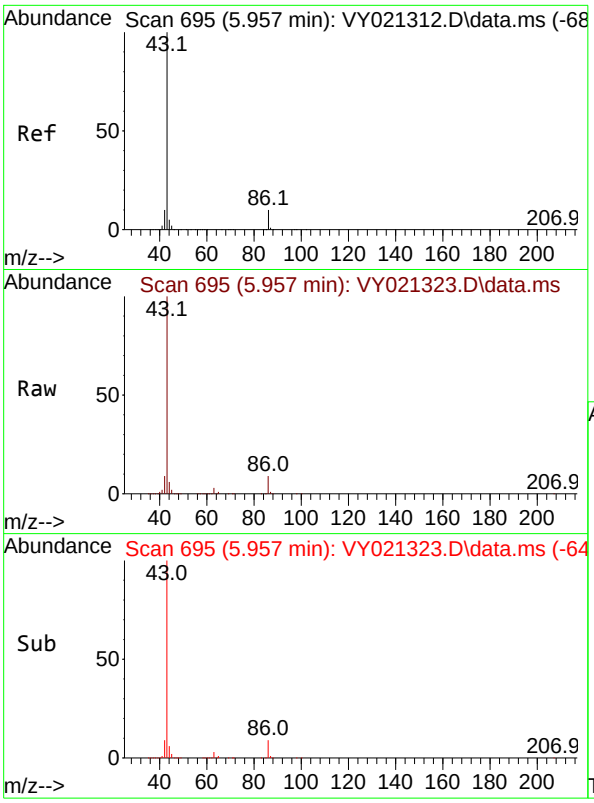



#22
Diisopropyl ether
Concen: 19.868 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 45 Resp: 136570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.8 | 48.2 | 72.4 |
| 87 | 26.3 | 20.3 | 30.5 |
| 59 | 10.6 | 8.7 | 13.1 |






#23
Vinyl Acetate
Concen: 97.548 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 40068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.4 | 8.0 | 12.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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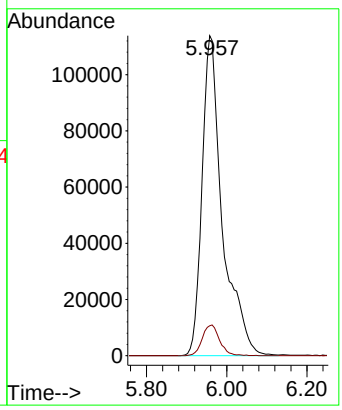
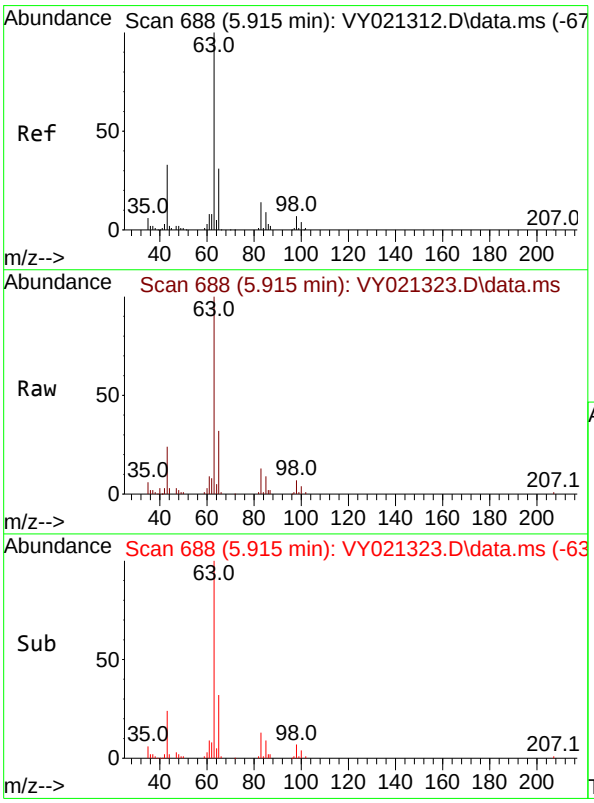
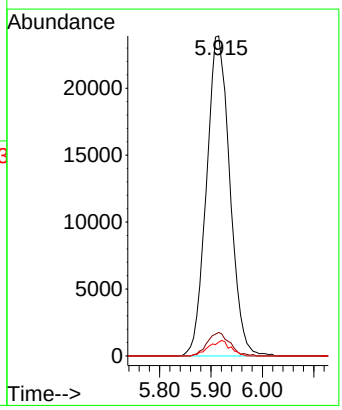


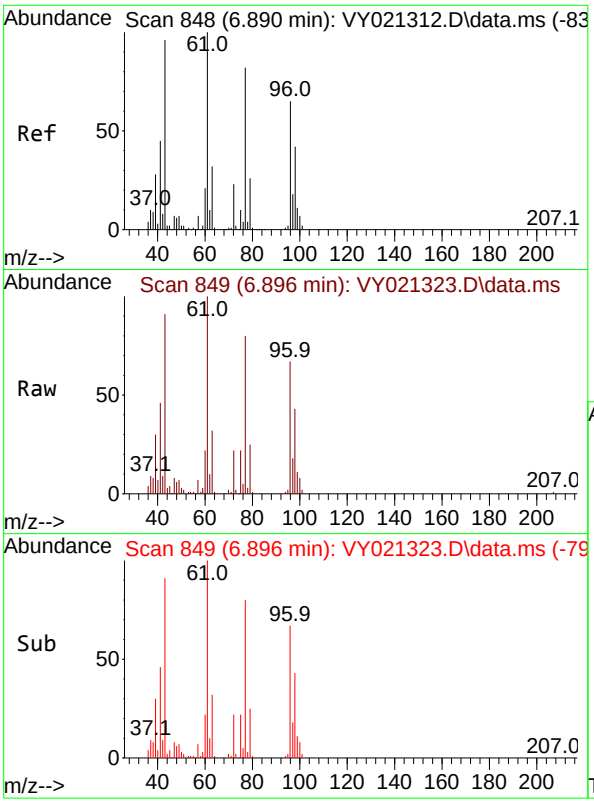




#24
1,1-Dichloroethane
Concen: 19.476 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 63 Resp: 75455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.7 | 11.1 |
| 100 | 4.3 | 2.1 | 6.5 |

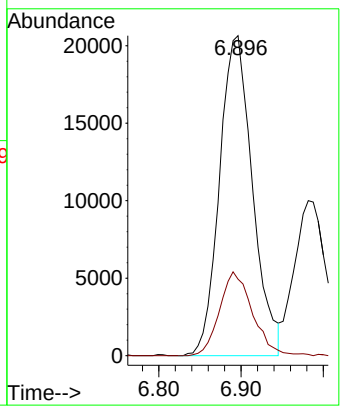





#25
2-Butanone
Concen: 94.416 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 5773

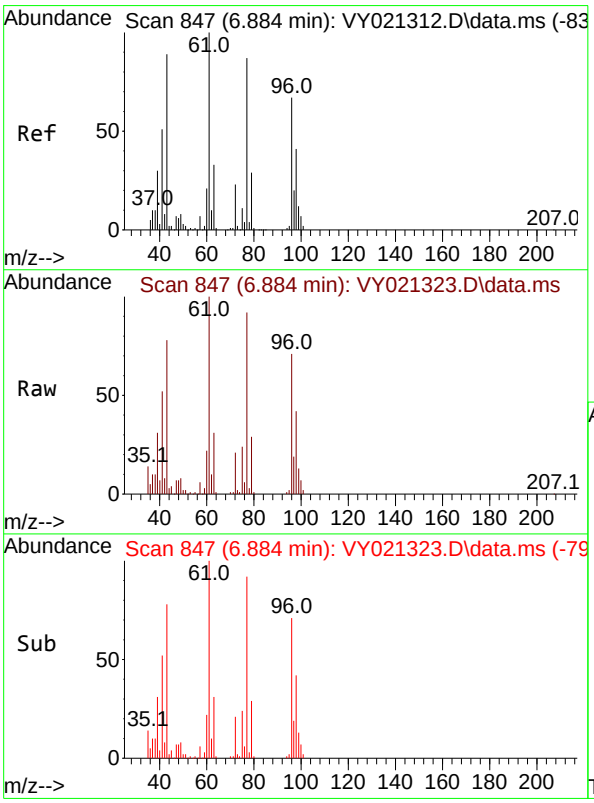
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.9 | 19.0 | 28.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
**APPROVED**

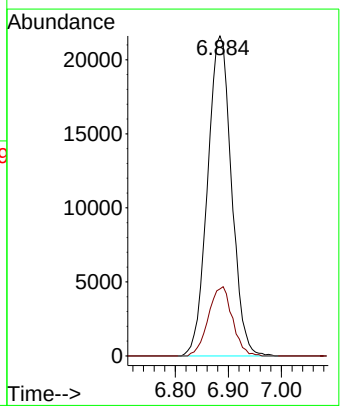
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

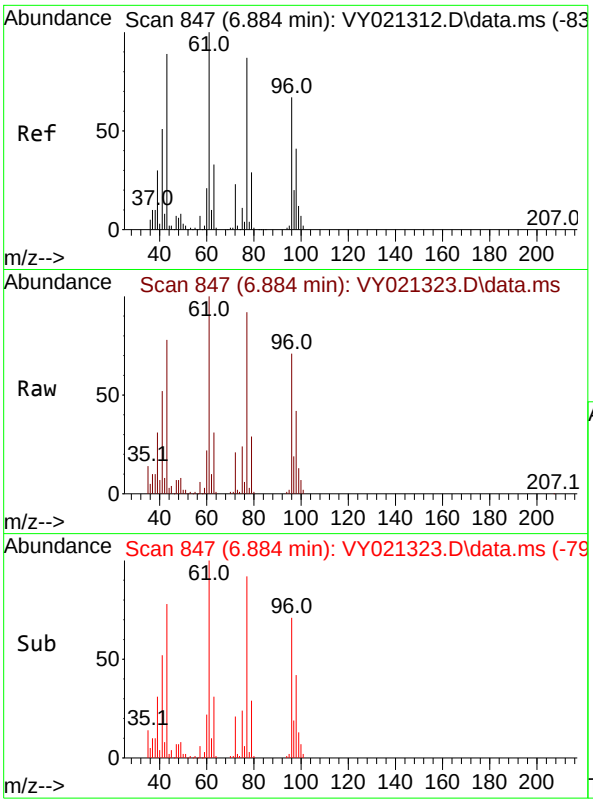



#26
2,2-Dichloropropane
Concen: 19.300 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 77 Resp: 67846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 10.9 | 32.7 |

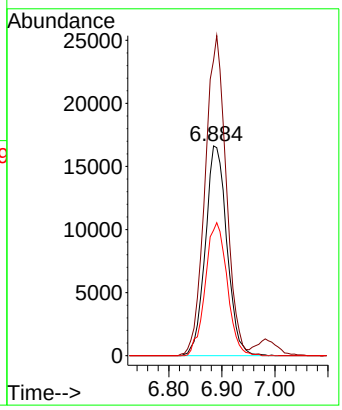





#27
cis-1,2-Dichloroethene
Concen: 19.905 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 96 Resp: 4688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.0 | 0.0 | 308.0 |
| 98 | 64.4 | 0.0 | 129.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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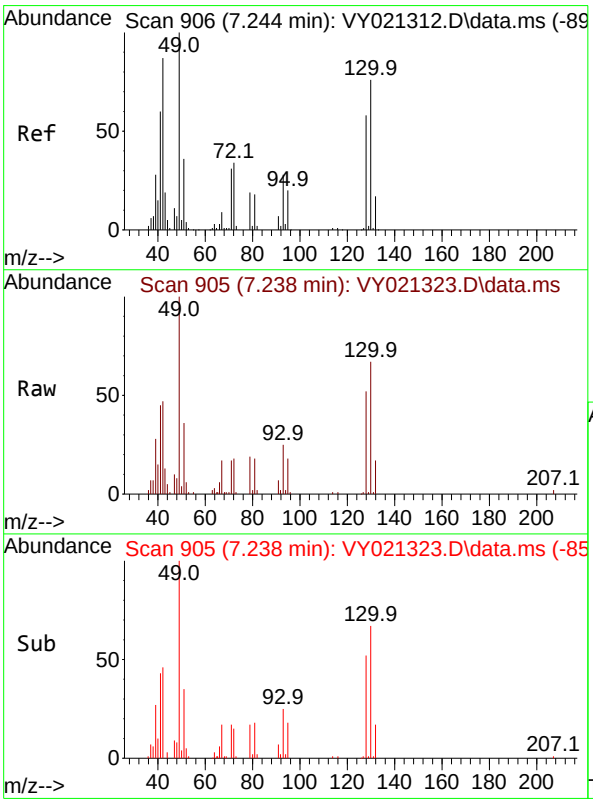
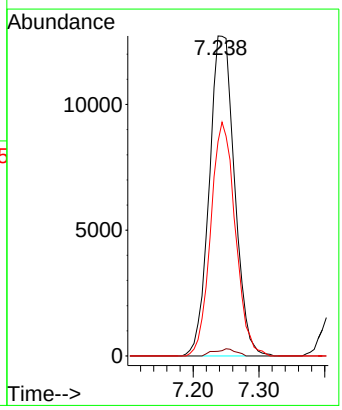
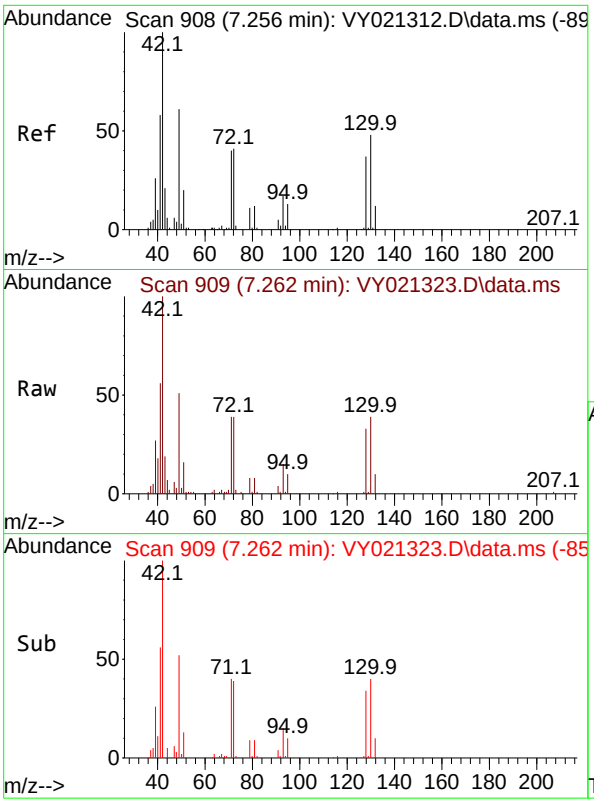



#28
Bromochloromethane
Concen: 19.882 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 49 Resp: 34082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.0 |
| 130 | 71.0 | 57.8 | 86.6 |

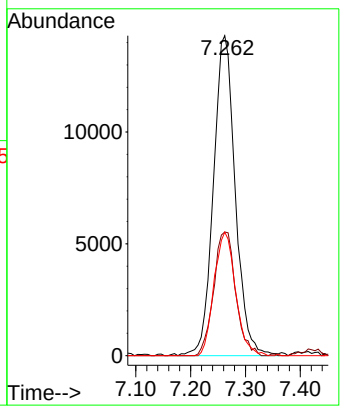





#29
Tetrahydrofuran
Concen: 99.167 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 42 Resp: 3963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 39.0 | 33.1 | 49.7 |
| 71 | 37.9 | 31.4 | 47.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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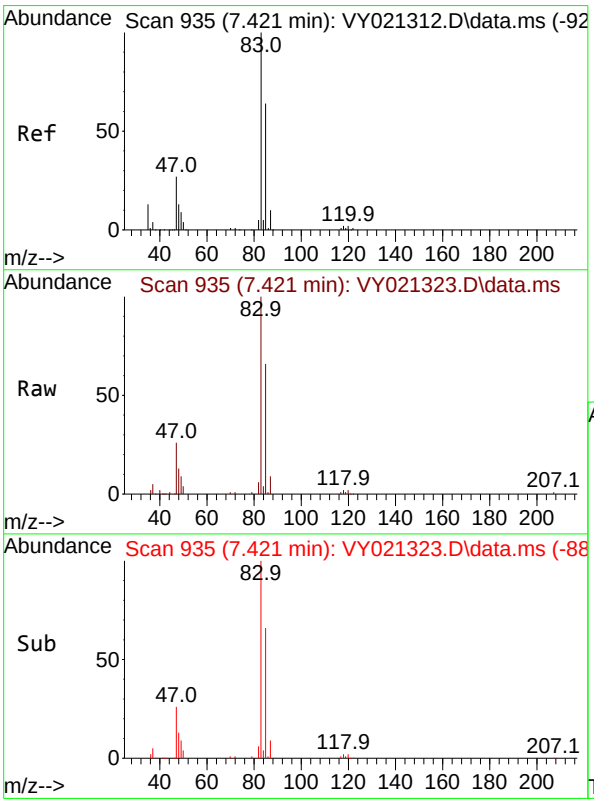
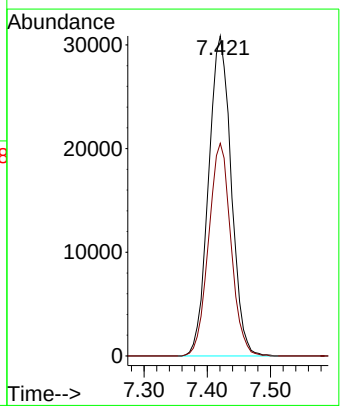
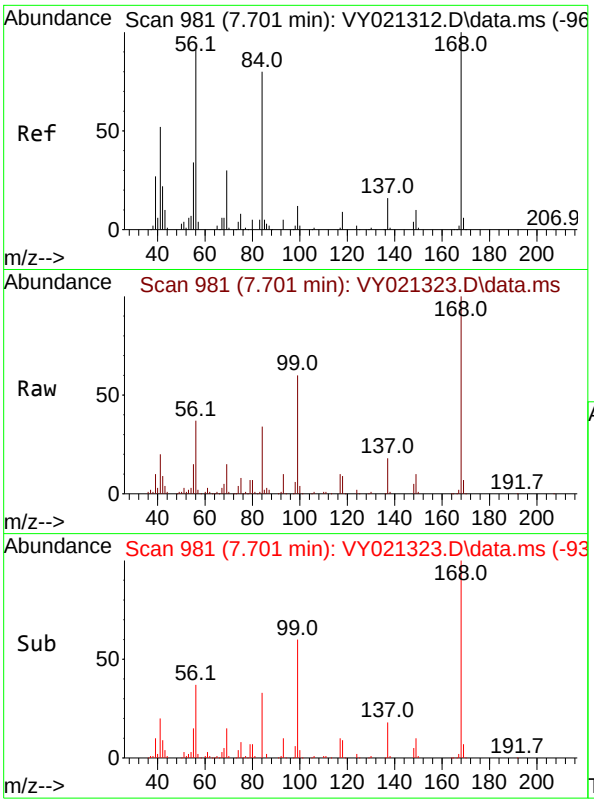



#30
Chloroform
Concen: 19.537 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 83 Resp: 76696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.4 | 51.6 | 77.4 |

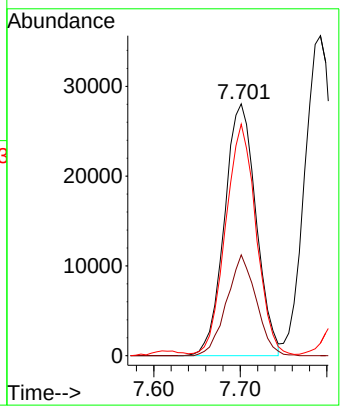





#31
Cyclohexane
Concen: 19.104 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 56 Resp: 7114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 40.1 | 26.2 | 39.4 |
| 84 | 90.8 | 70.2 | 105.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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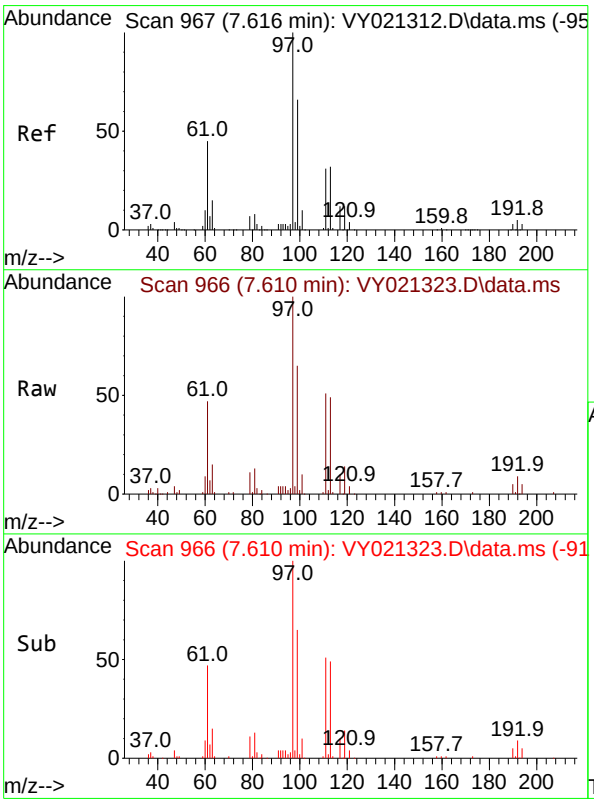
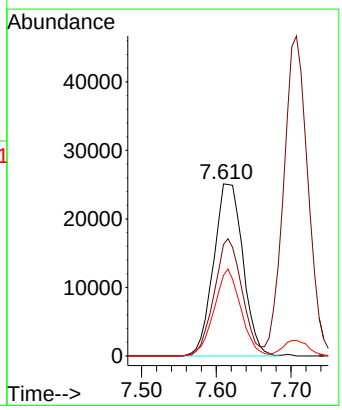
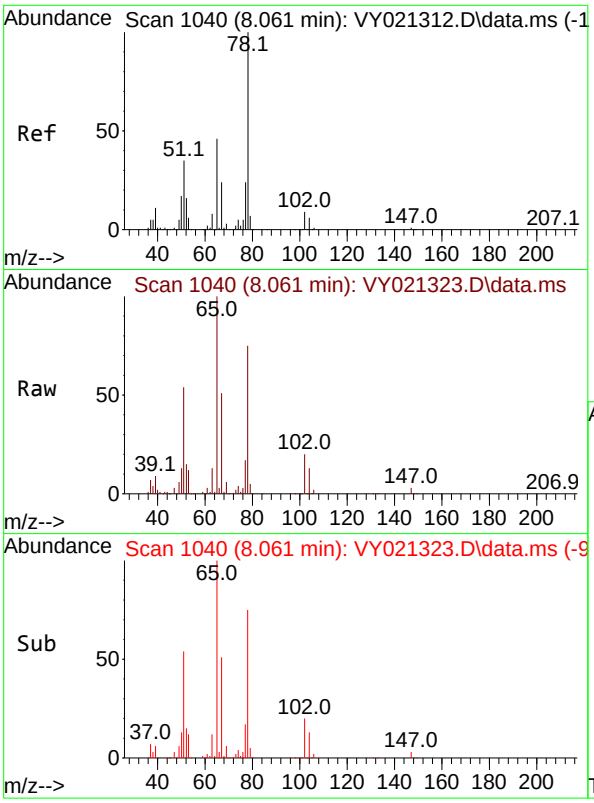



#32
1,1,1-Trichloroethane
Concen: 19.226 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 97 Resp: 68700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.0 | 52.4 | 78.6 |
| 61 | 45.9 | 36.2 | 54.2 |

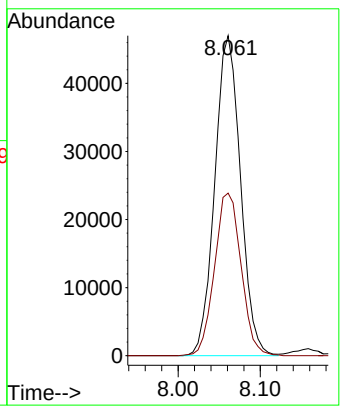





#33
1,2-Dichloroethane-d4
Concen: 48.451 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 65 Resp: 10234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 103.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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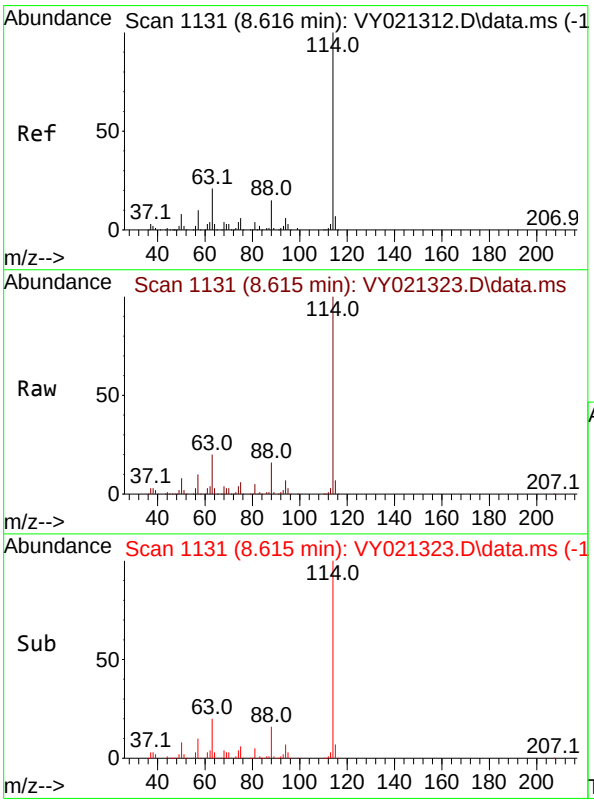
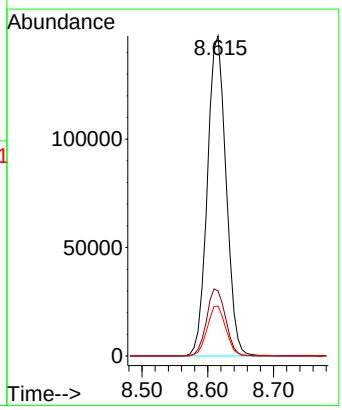
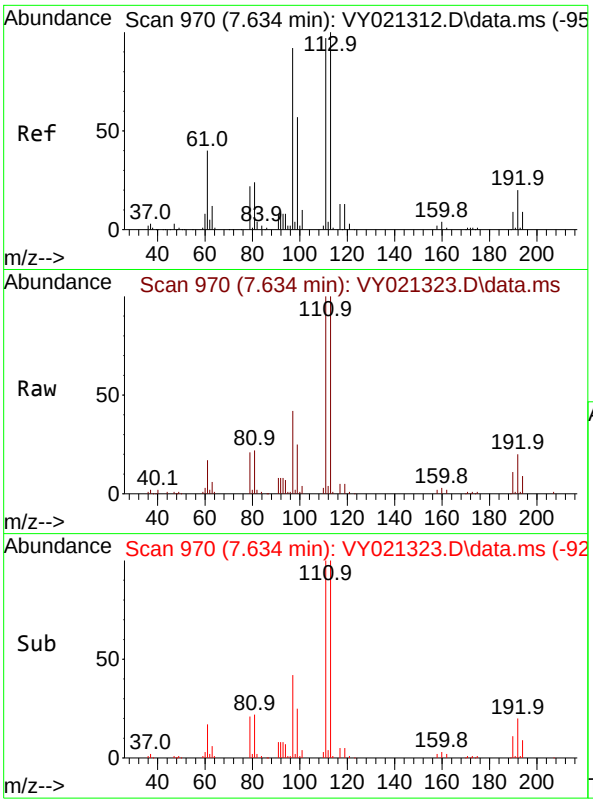



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:114 Resp: 292071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 42.2 |
| 88 | 15.6 | 0.0 | 29.8 |

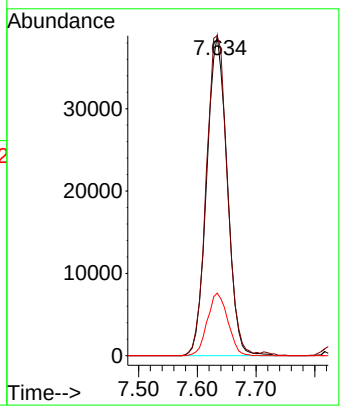





#35
Dibromofluoromethane
Concen: 49.120 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:113 Resp: 9405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 81.0 | 121.6 |
| 192 | 19.6 | 15.8 | 23.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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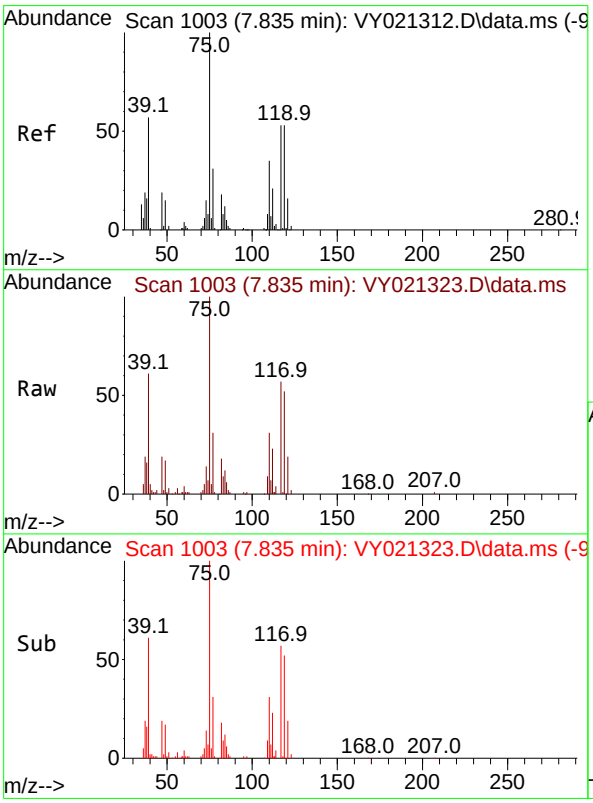
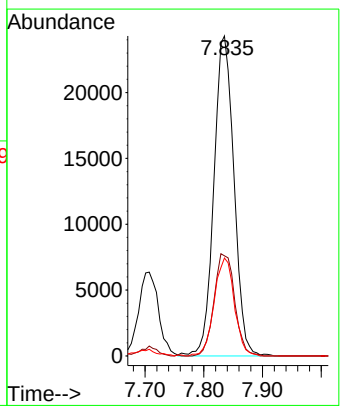
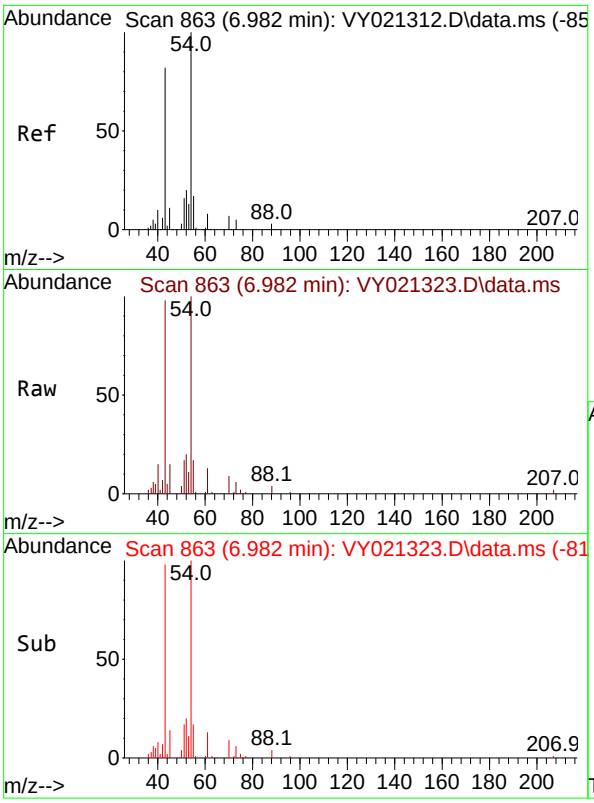



#36
1,1-Dichloropropene
Concen: 20.043 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 57651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.9 | 16.9 | 50.7 |
| 77 | 30.8 | 24.6 | 36.8 |

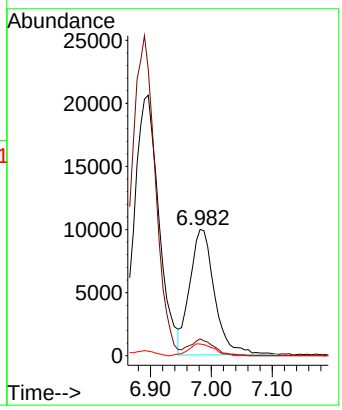





#37
Ethyl Acetate
Concen: 19.665 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 2813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 10.4 | 15.6 |
| 70 | 9.5 | 7.5 | 11.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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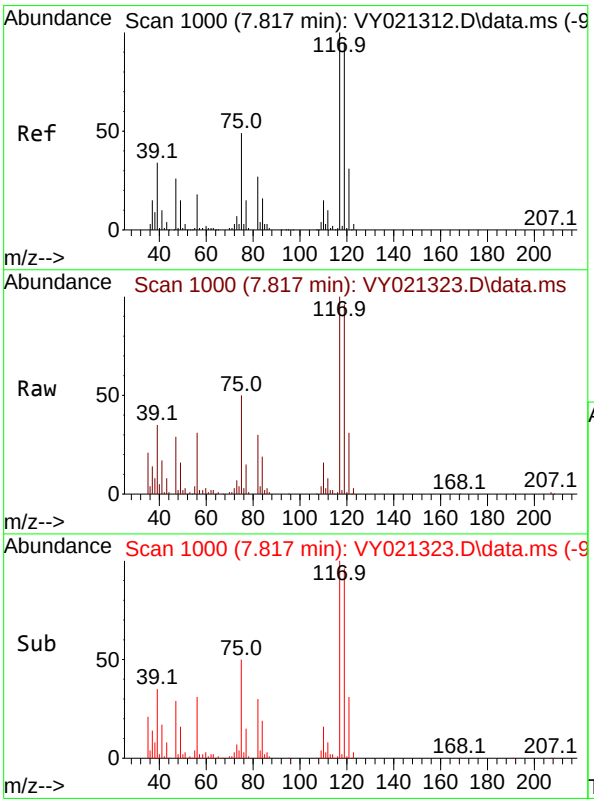
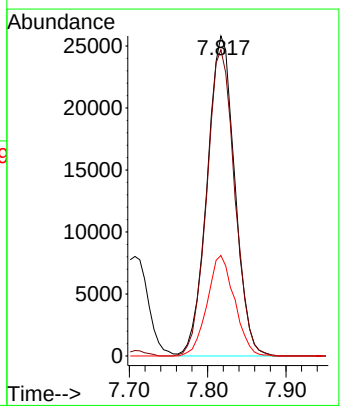
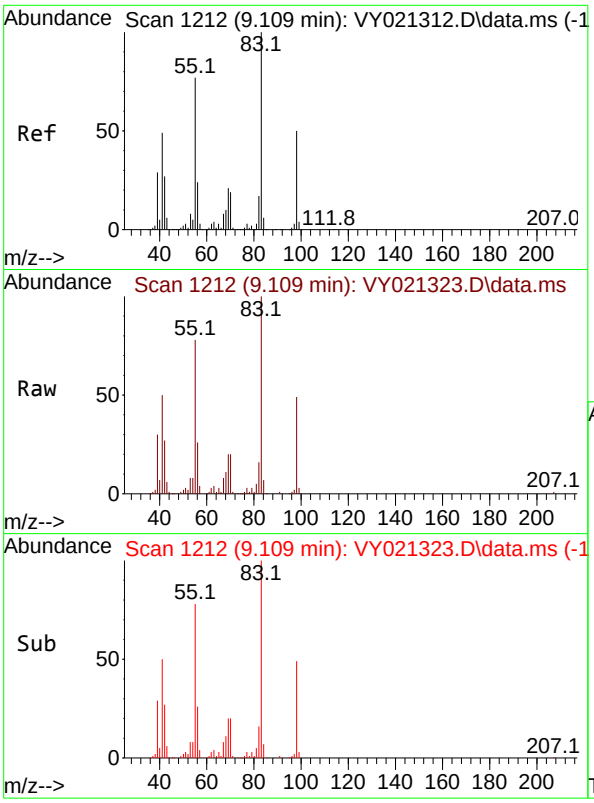



#38
Carbon Tetrachloride
Concen: 19.587 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:117 Resp: 63336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 76.0 | 114.0 |
| 121 | 31.4 | 24.9 | 37.3 |

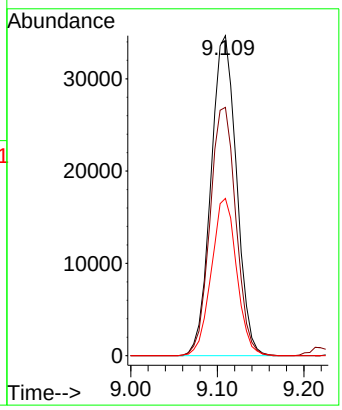





#39
Methylcyclohexane
Concen: 19.543 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 83 Resp: 7109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.6 | 61.3 | 91.9 |
| 98 | 49.2 | 39.9 | 59.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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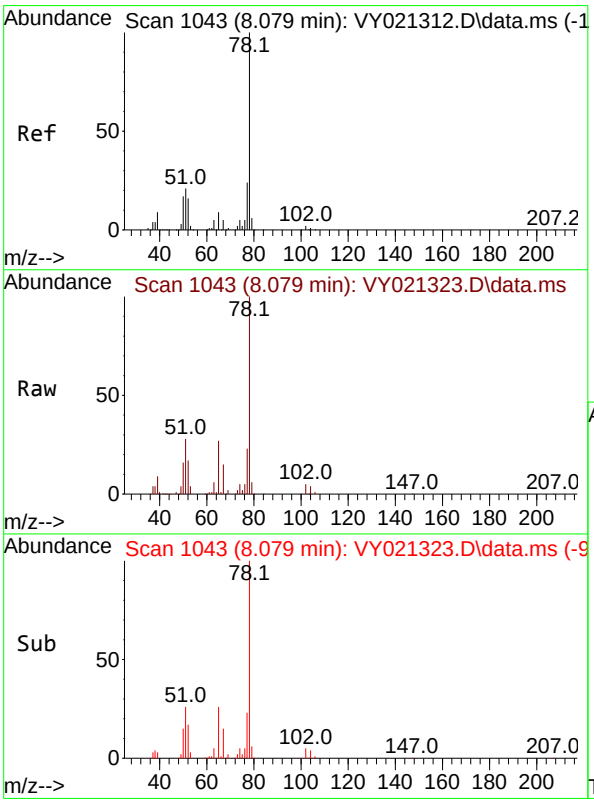
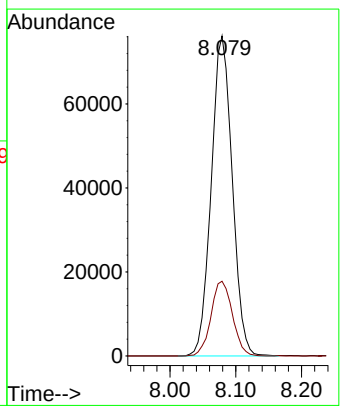
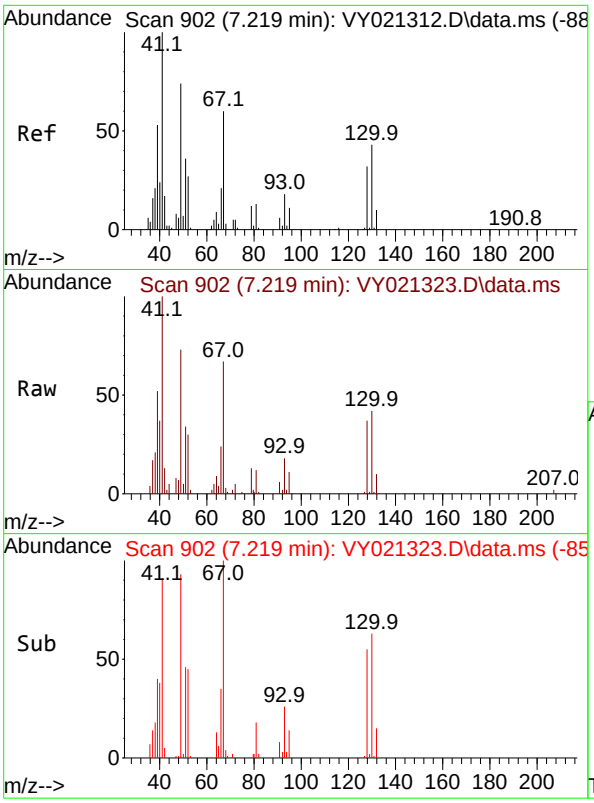



#40
Benzene
Concen: 19.922 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 78 Resp: 169384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.4 | 19.2 | 28.8 |

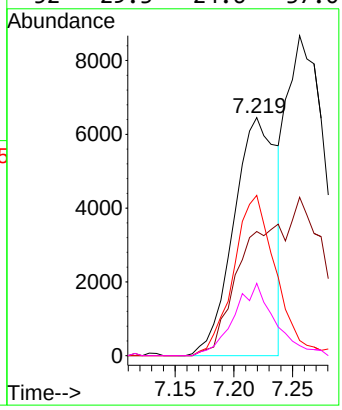





#41
Methacrylonitrile
Concen: 20.455 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 41 Resp: 1636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 42.3 | 63.5 |
| 67 | 66.9 | 54.8 | 82.2 |
| 52 | 29.3 | 24.6 | 37.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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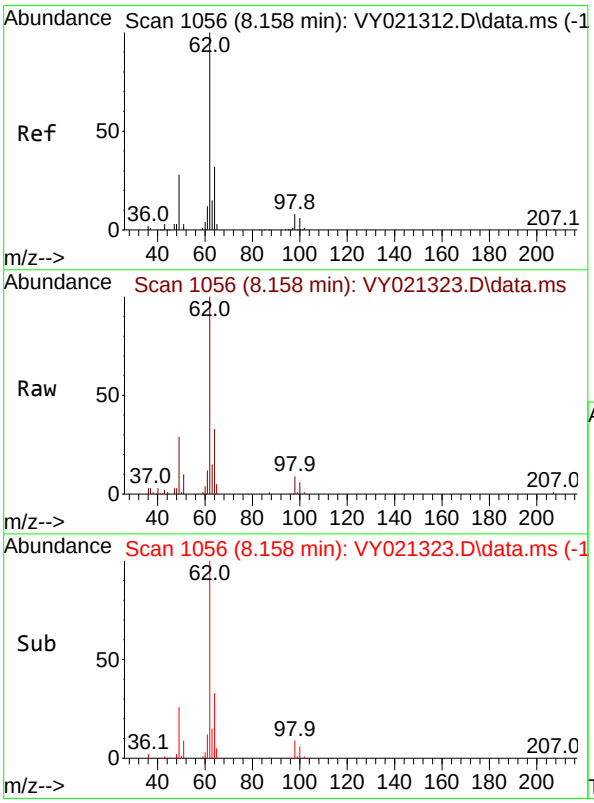
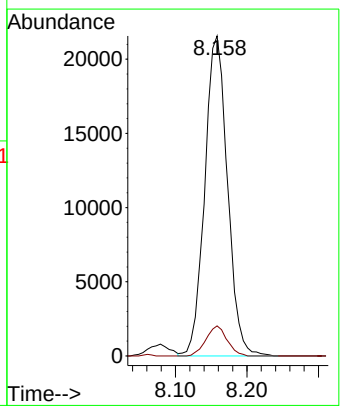
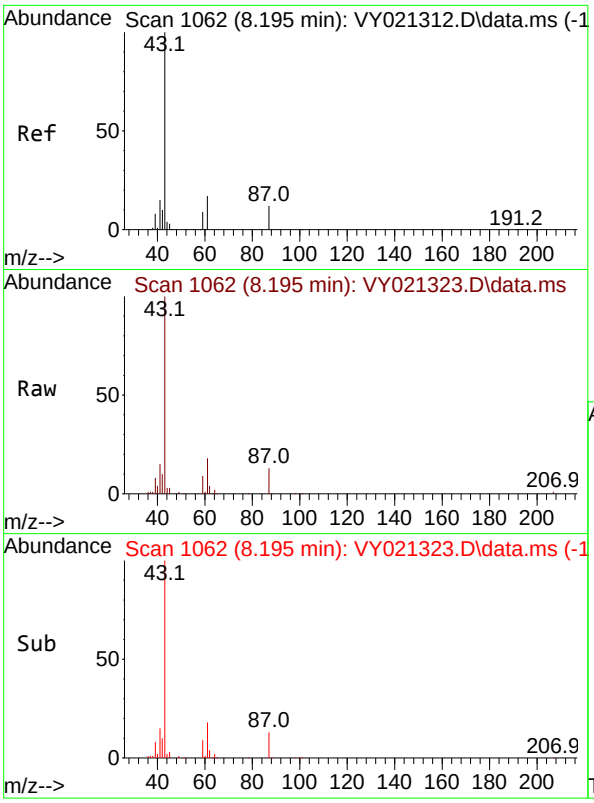



#42
1,2-Dichloroethane
Concen: 19.718 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 62 Resp: 47566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.6 |

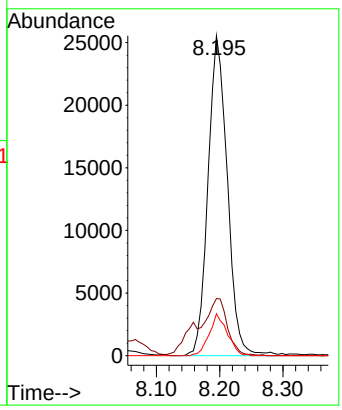





#43
Isopropyl Acetate
Concen: 19.618 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 5433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.5 | 15.0 | 22.6 |
| 87 | 12.2 | 10.0 | 15.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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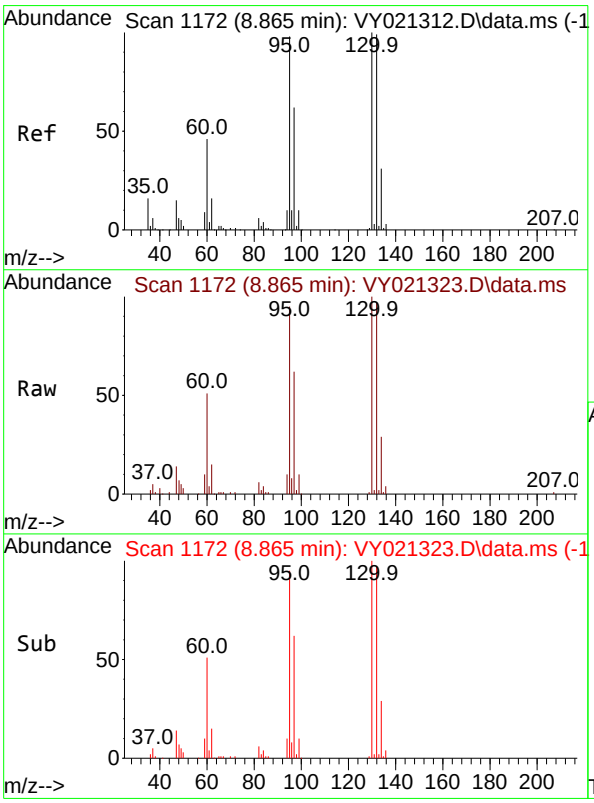
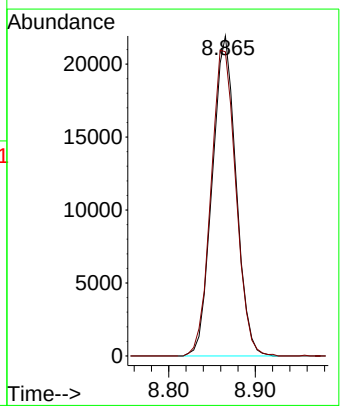
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

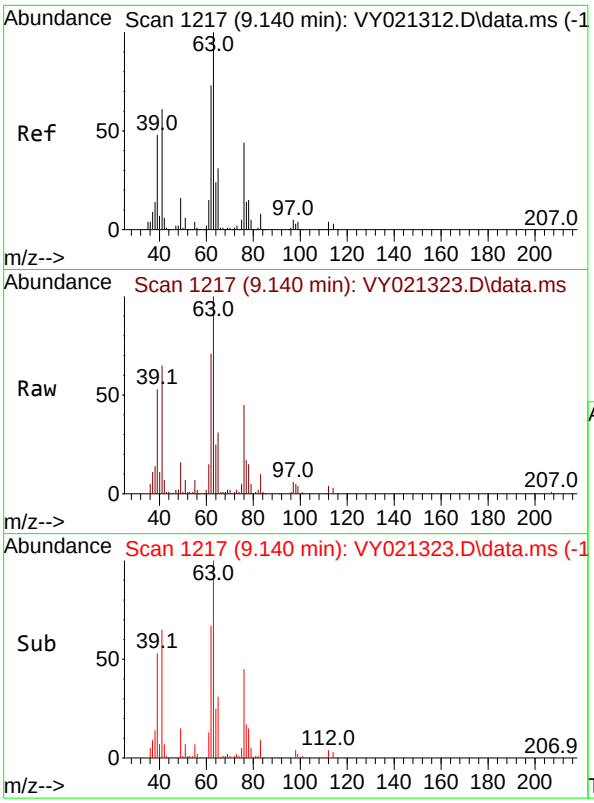



#44
Trichloroethene
Concen: 19.638 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:130 Resp: 41805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.1 | 0.0 | 196.0 |

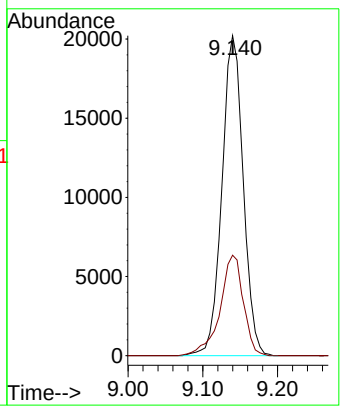





#45
1,2-Dichloropropane
Concen: 19.592 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 63 Resp: 4008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 24.6 | 36.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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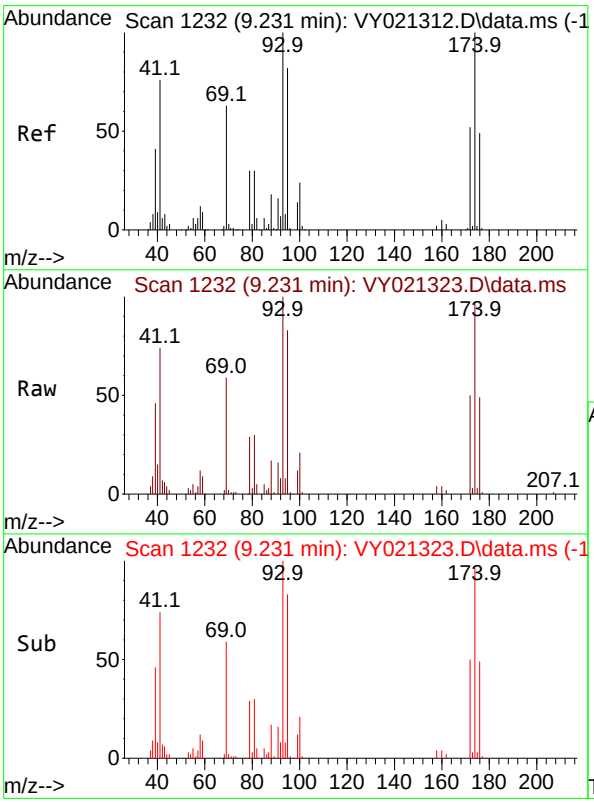
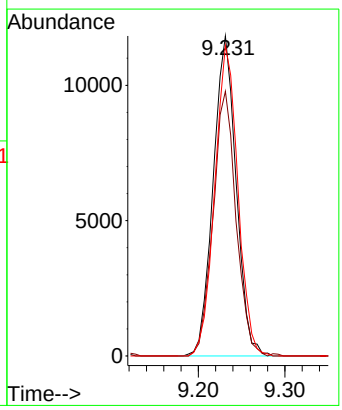
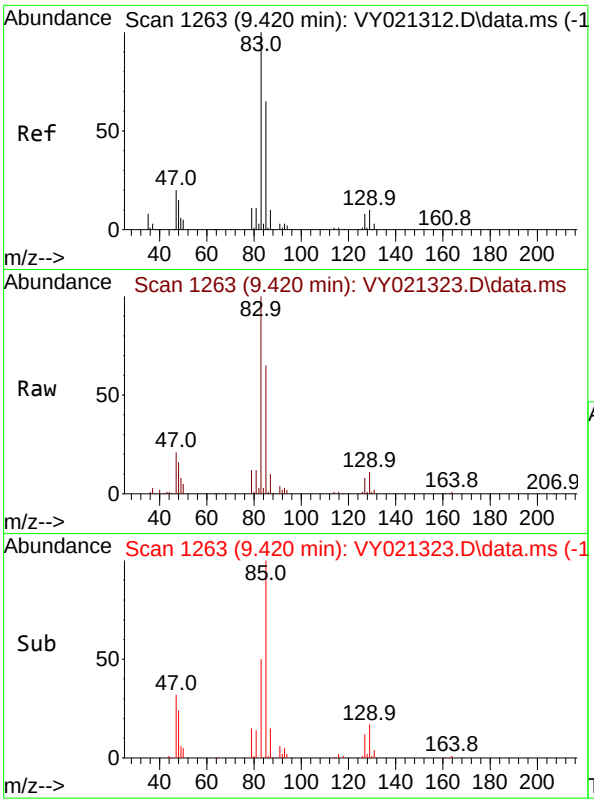



#46
Dibromomethane
Concen: 19.425 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 93 Resp: 21727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.6 | 66.4 | 99.6 |
| 174 | 97.9 | 78.2 | 117.2 |

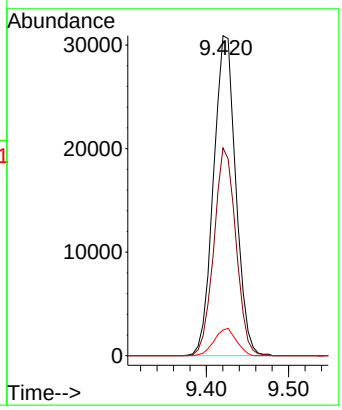





#47
Bromodichloromethane
Concen: 19.487 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 83 Resp: 5811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 51.8 | 77.8 |
| 127 | 8.0 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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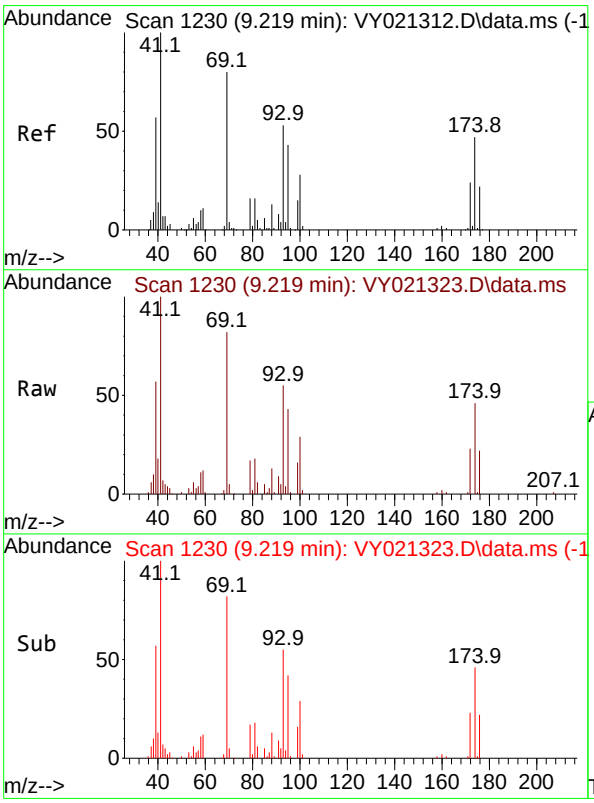
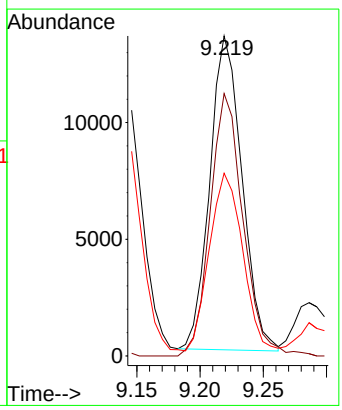
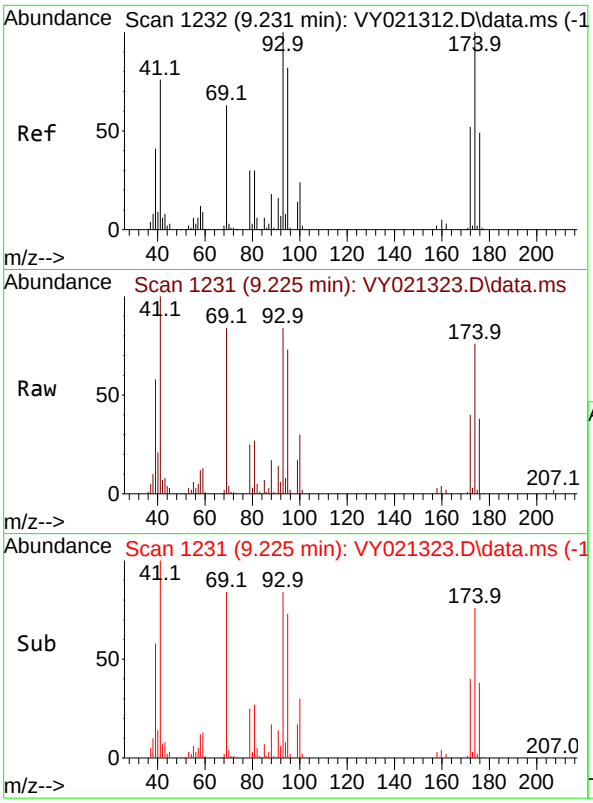



#48
Methyl methacrylate
Concen: 18.368 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 41 Resp: 23787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 85.5 | 63.3 | 94.9 |
| 39 | 58.8 | 45.0 | 67.6 |

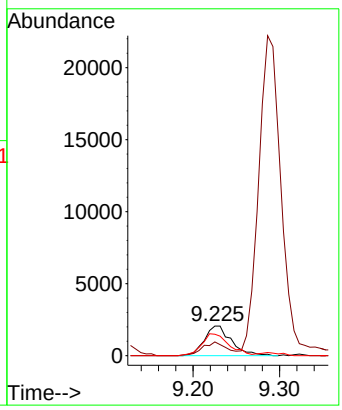





#49
1,4-Dioxane
Concen: 358.943 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 88 Resp: 446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.5 | 34.8 | 52.2 |
| 58 | 74.4 | 59.8 | 89.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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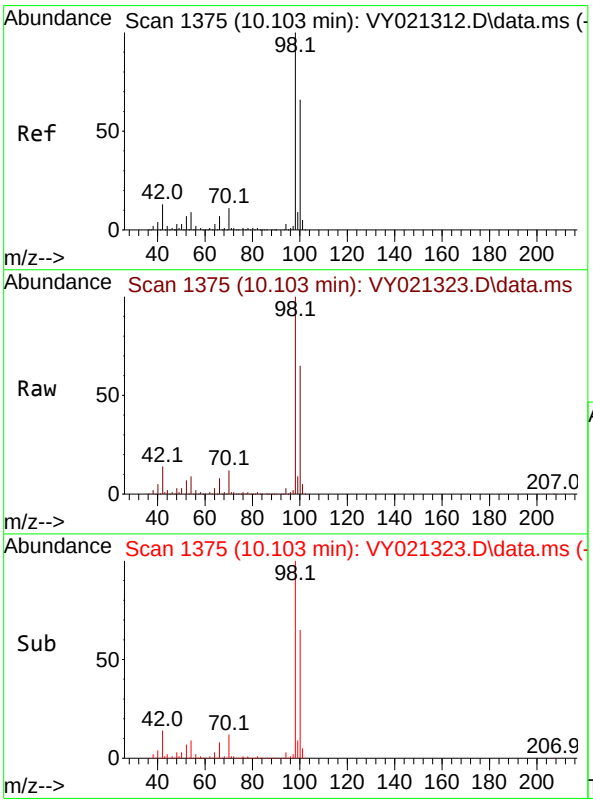
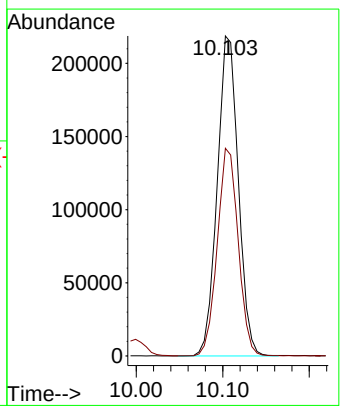
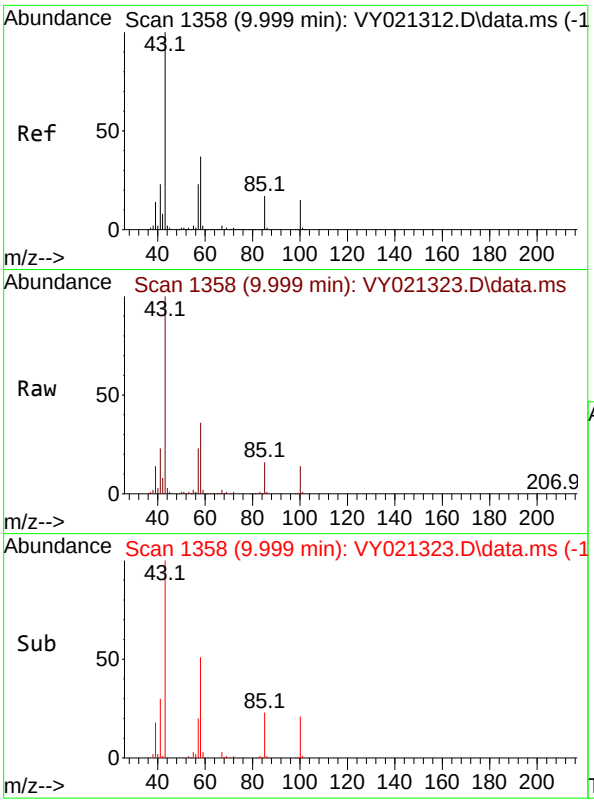



#50
Toluene-d8
Concen: 49.924 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 98 Resp: 369458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 52.4 | 78.6 |

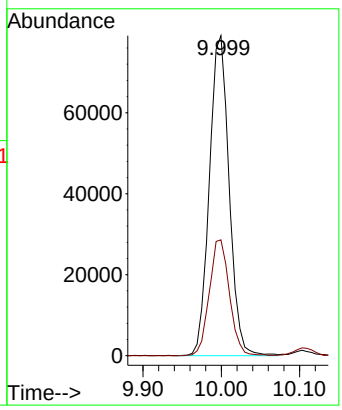





#51
4-Methyl-2-Pentanone
Concen: 97.751 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 13857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 30.1 | 45.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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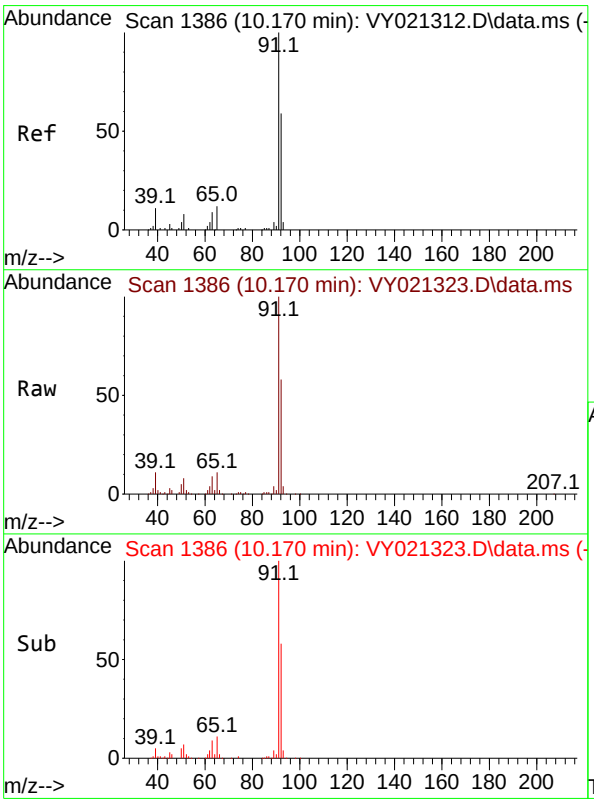
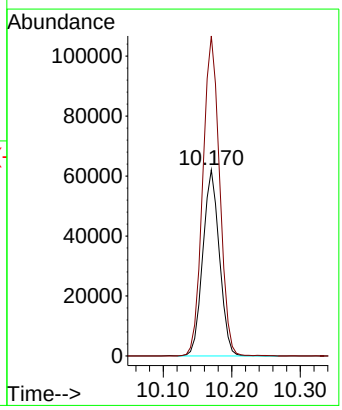
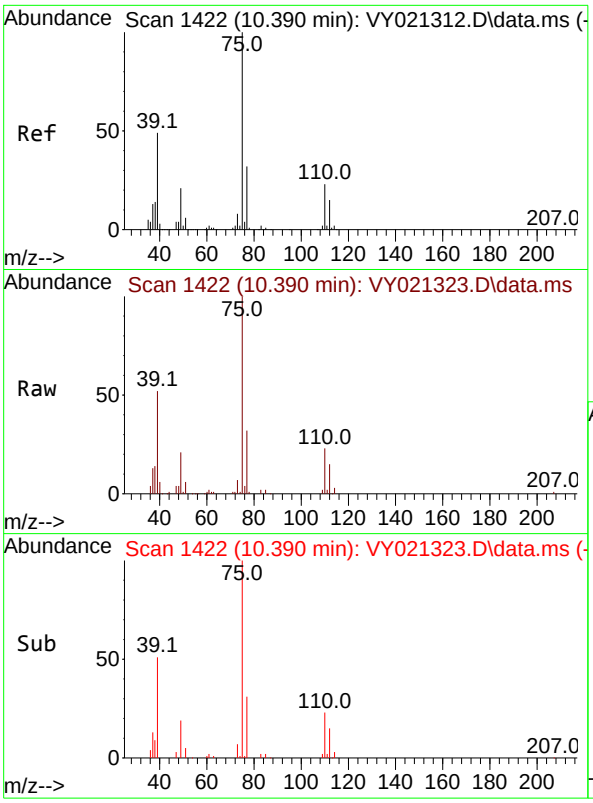



#52
Toluene
Concen: 19.738 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 92 Resp: 104255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.9 | 137.8 | 206.8 |

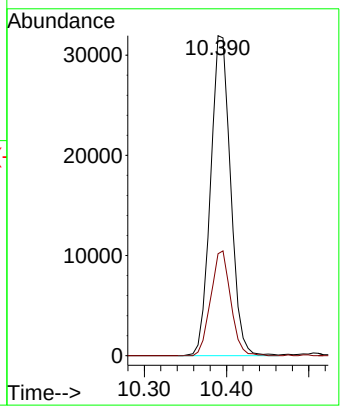





#53
t-1,3-Dichloropropene
Concen: 19.755 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 5397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.3 | 37.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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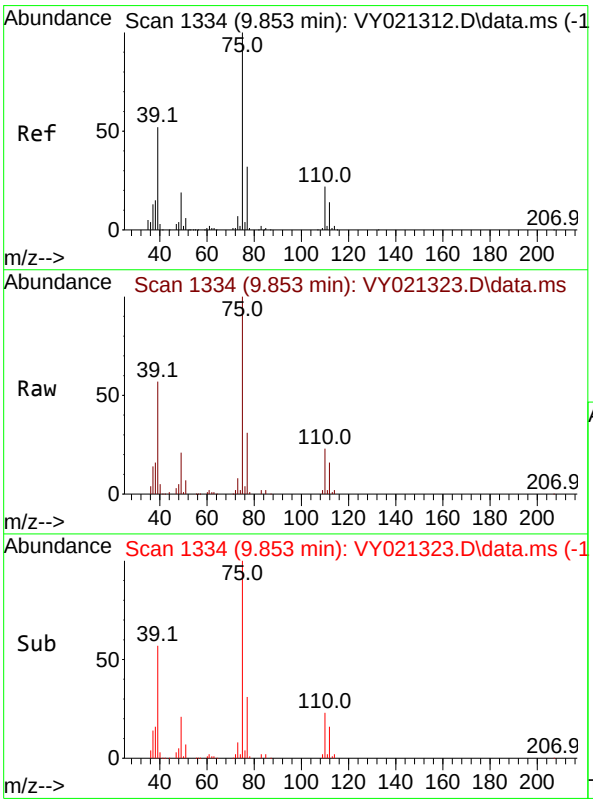
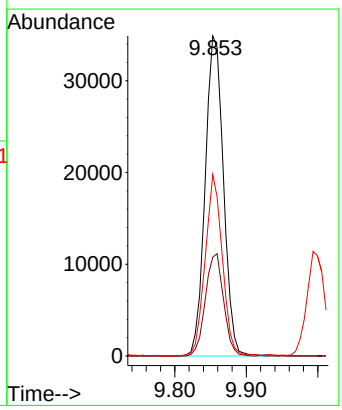
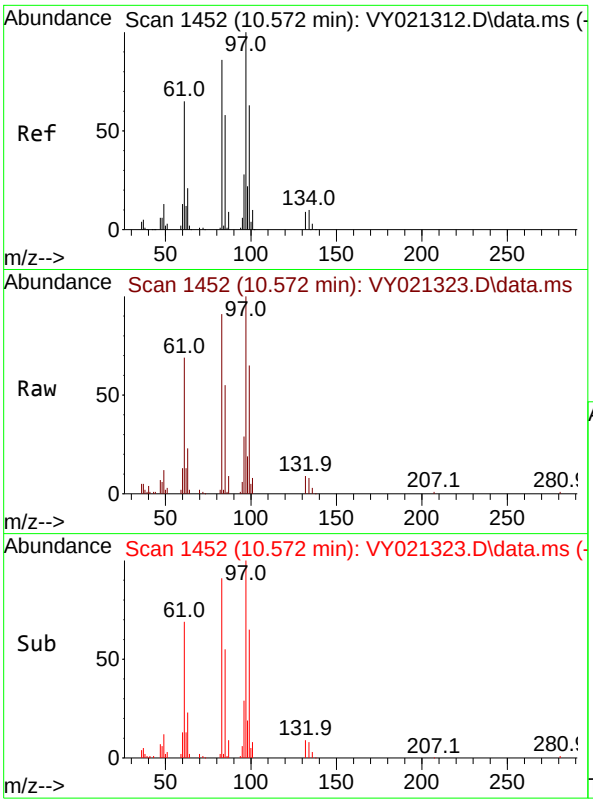



#54
cis-1,3-Dichloropropene
Concen: 19.260 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 62124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.7 | 38.5 |
| 39 | 56.7 | 41.8 | 62.6 |

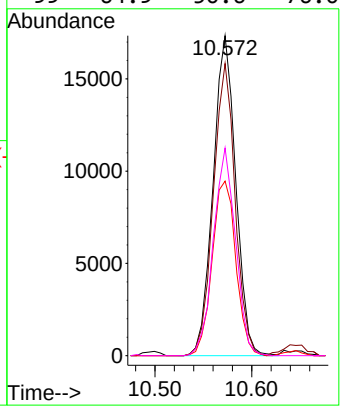





#55
1,1,2-Trichloroethane
Concen: 19.373 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 97 Resp: 2822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 91.3 | 68.7 | 103.1 |
| 85 | 54.5 | 46.3 | 69.5 |
| 99 | 64.9 | 50.6 | 76.0 |




**Instrument :**
MSVOA_Y
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VY0226SBSD01

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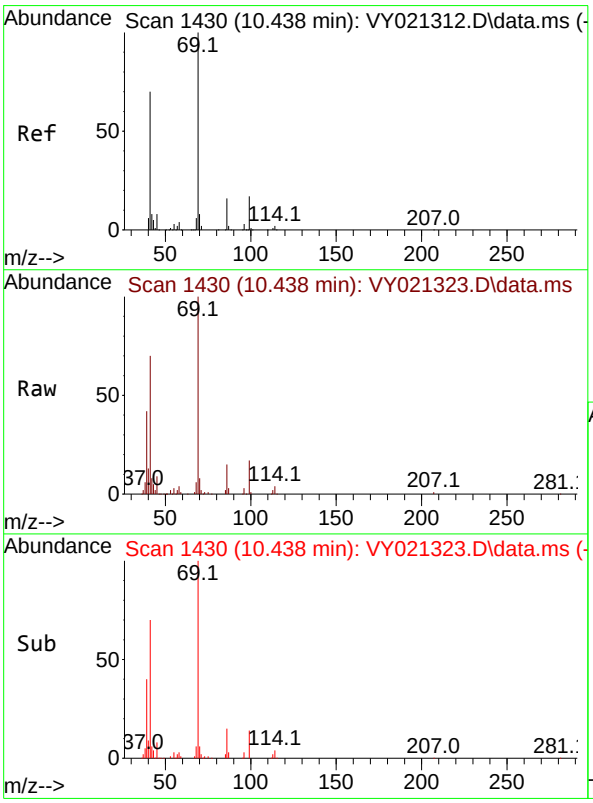
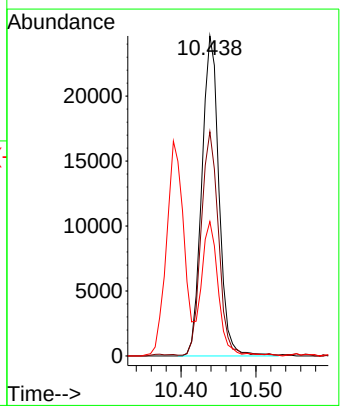
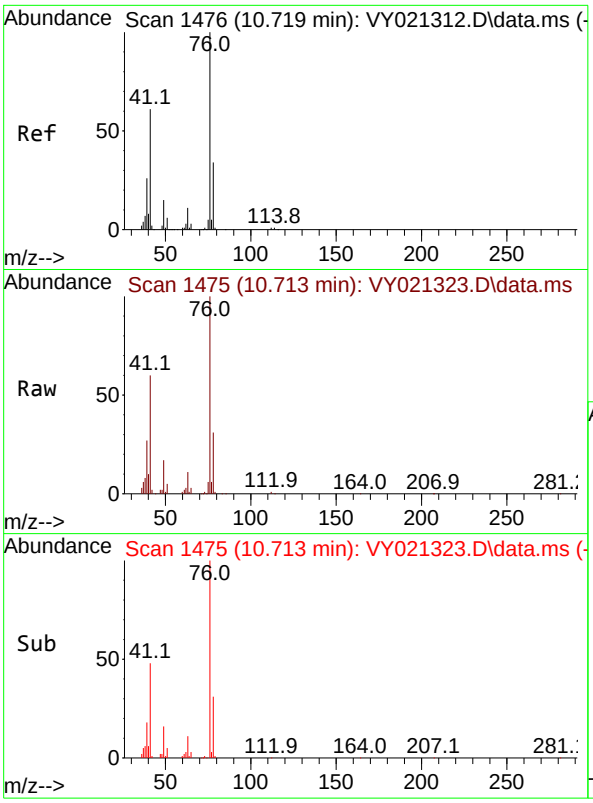



#56
Ethyl methacrylate
Concen: 19.530 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 69 Resp: 39319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.5 | 56.2 | 84.4 |
| 39 | 41.9 | 32.7 | 49.1 |

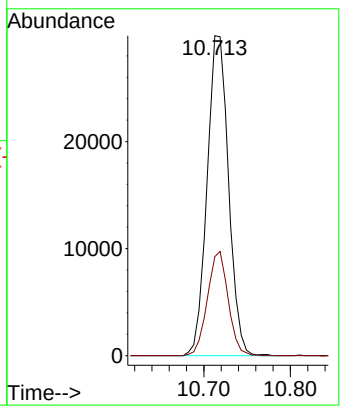





#57
1,3-Dichloropropane
Concen: 20.102 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 76 Resp: 5139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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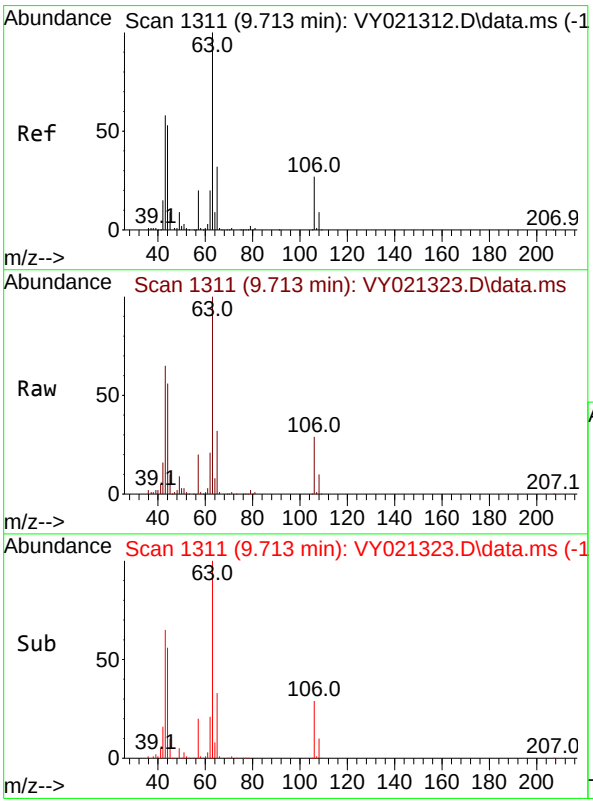
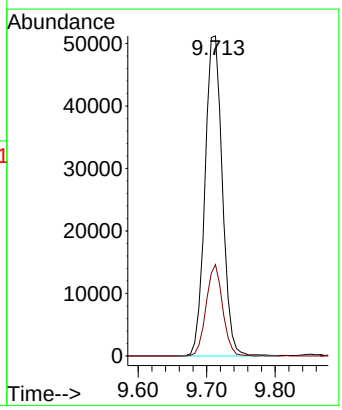
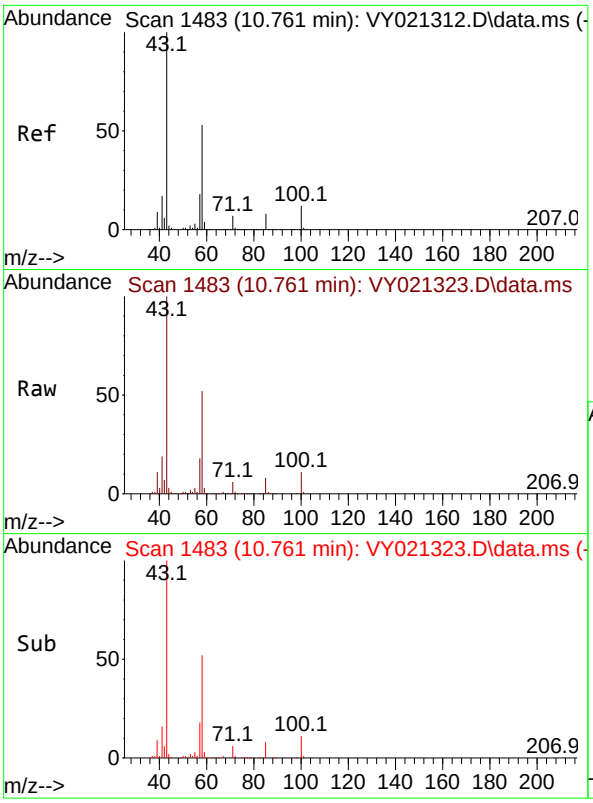



#58
2-Chloroethyl Vinyl ether
Concen: 93.158 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 63 Resp: 90024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.1 | 21.7 | 32.5 |

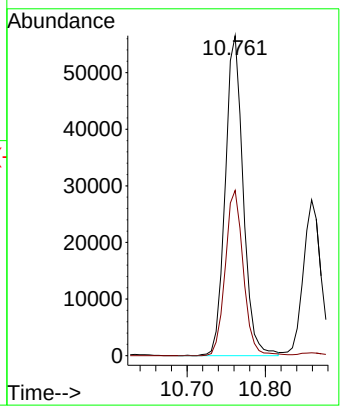





#59
2-Hexanone
Concen: 96.524 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 8986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.2 | 25.9 | 77.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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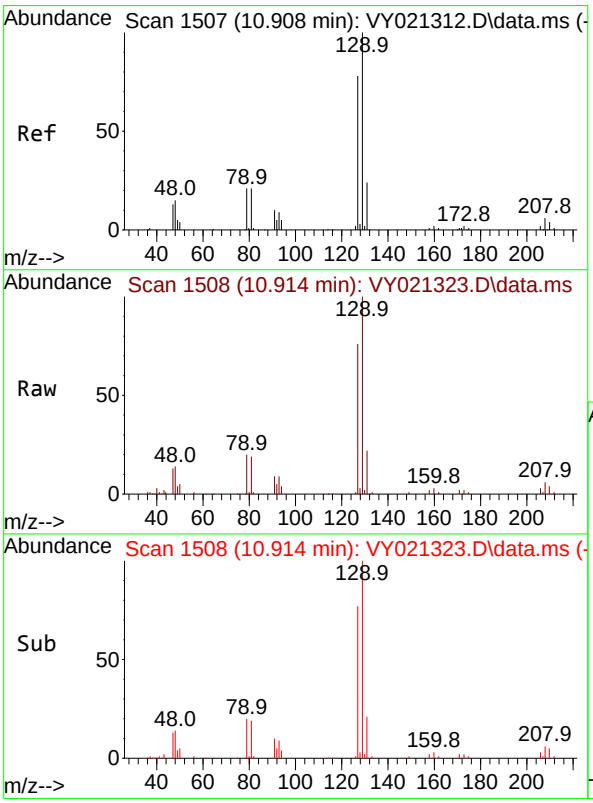
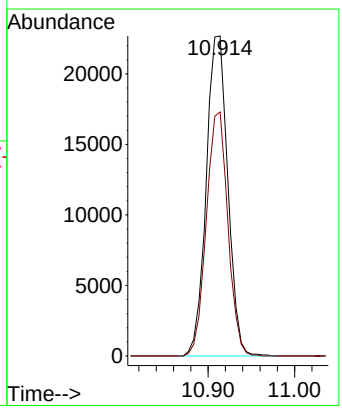
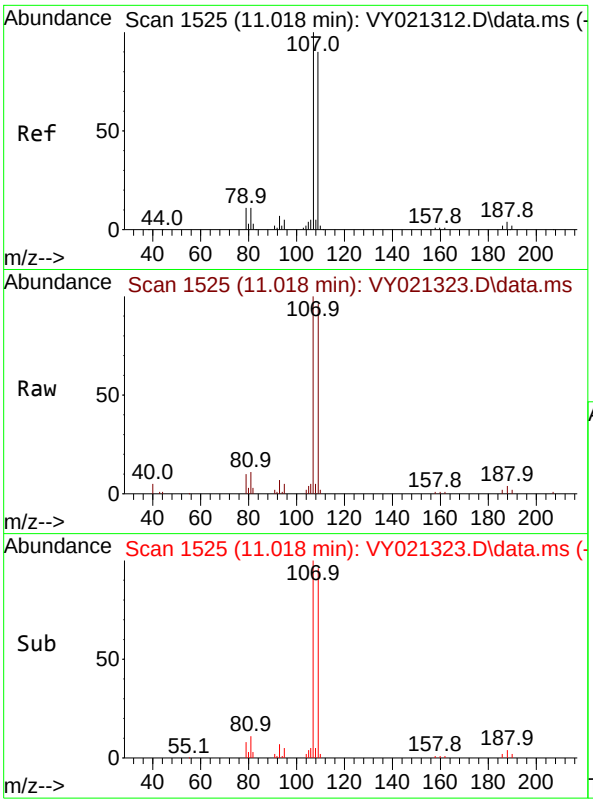



#60
Dibromochloromethane
Concen: 19.790 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:129 Resp: 39272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.0 | 38.8 | 116.4 |

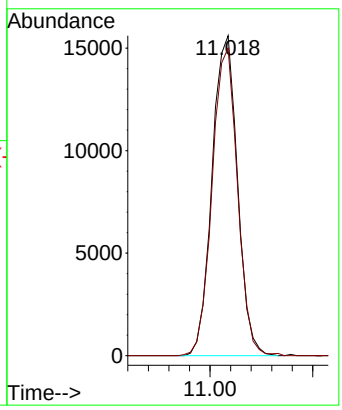





#61
1,2-Dibromoethane
Concen: 19.365 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:107 Resp: 2671

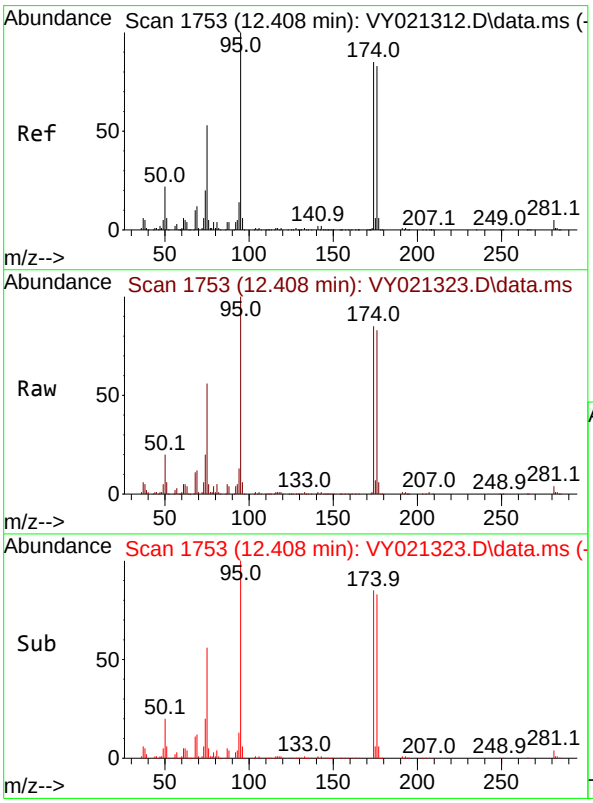
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.3 | 73.8 | 110.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
**APPROVED**

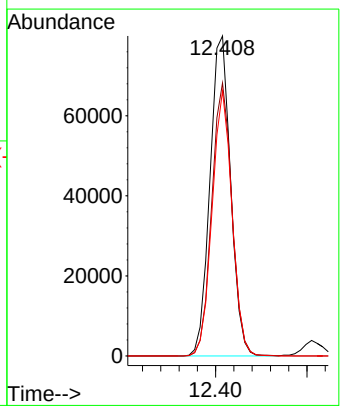
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

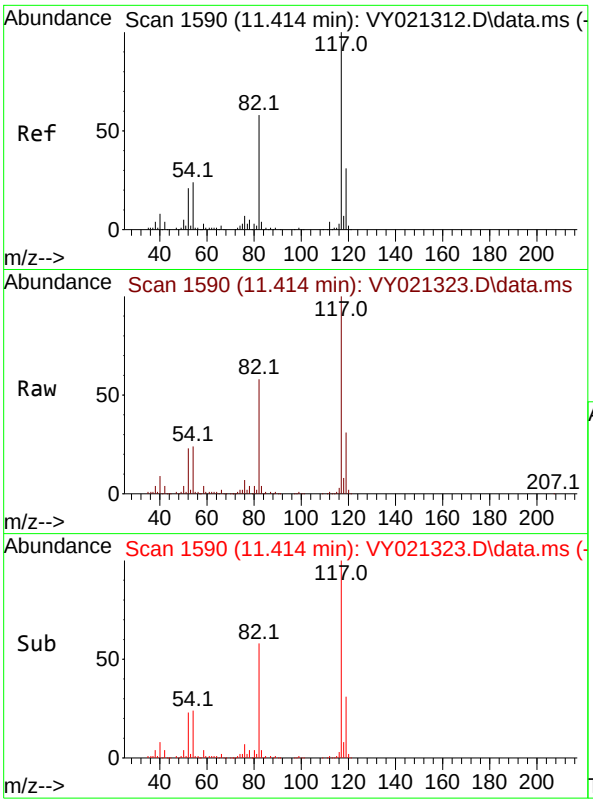



#62
4-Bromofluorobenzene
Concen: 50.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 95 Resp: 125203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.6 | 0.0 | 168.0 |
| 176 | 79.9 | 0.0 | 162.6 |

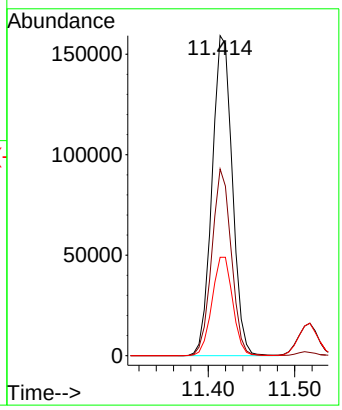





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:117 Resp: 25874

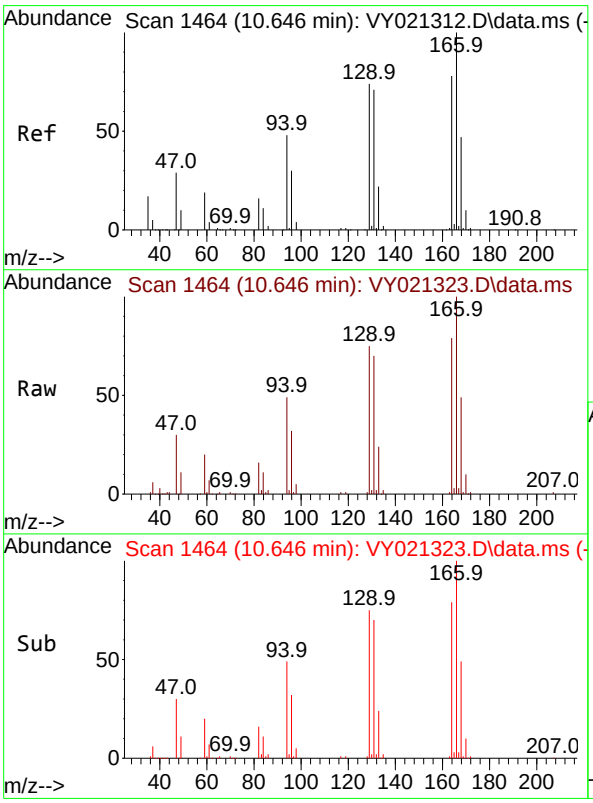
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.3 | 46.2 | 69.4 |
| 119 | 30.8 | 24.9 | 37.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
**APPROVED**

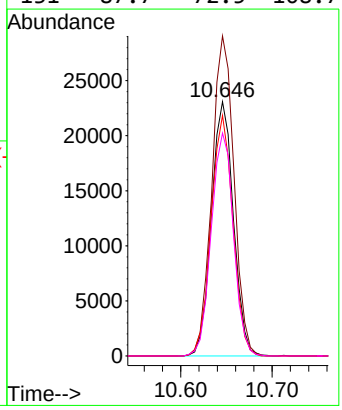
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

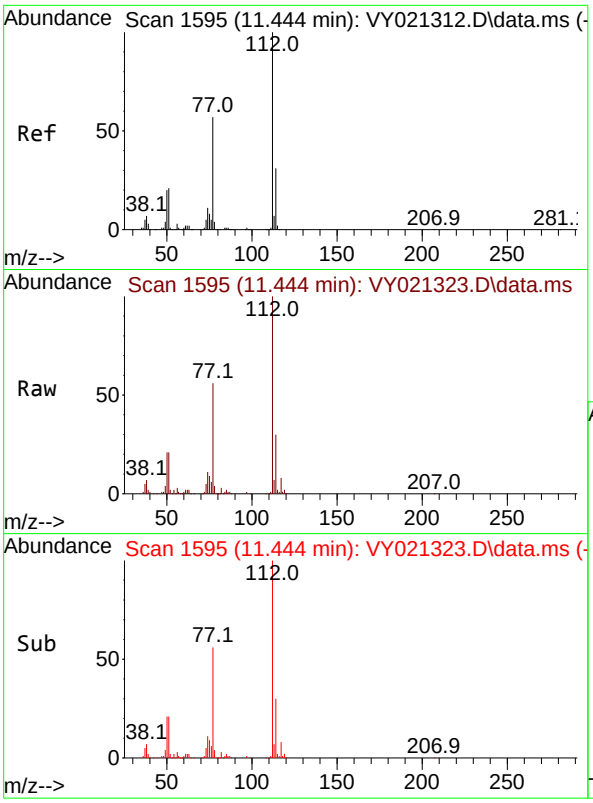



#64
Tetrachloroethene
Concen: 19.682 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:164 Resp: 38493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.9 | 101.9 | 152.9 |
| 129 | 94.6 | 75.5 | 113.3 |
| 131 | 87.7 | 72.5 | 108.7 |

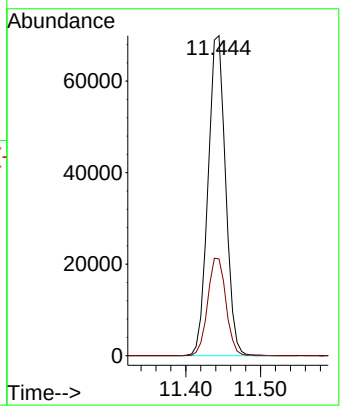





#65
Chlorobenzene
Concen: 19.597 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:112 Resp: 11382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.3 | 25.0 | 37.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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Reviewed By :Romaben Patel 02/27/2025
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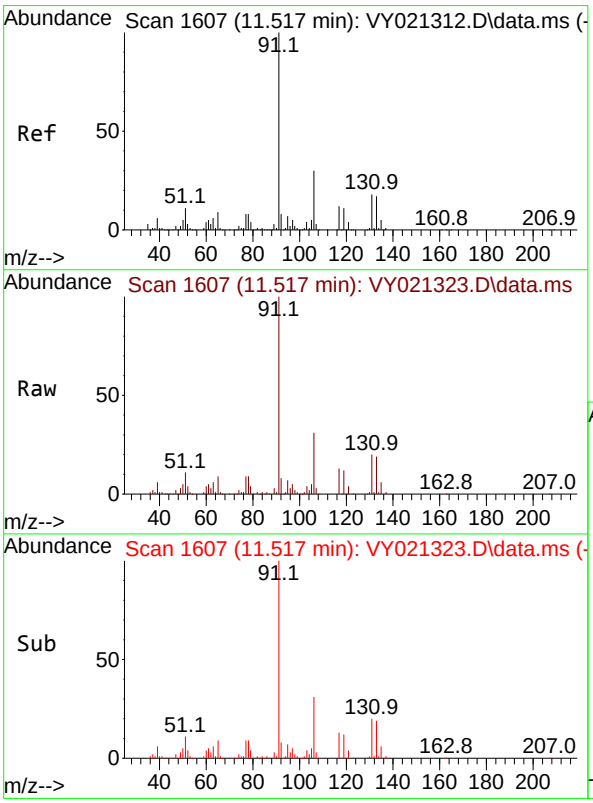
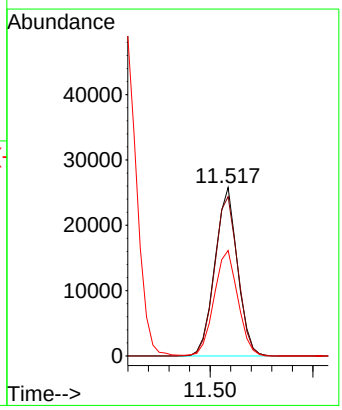
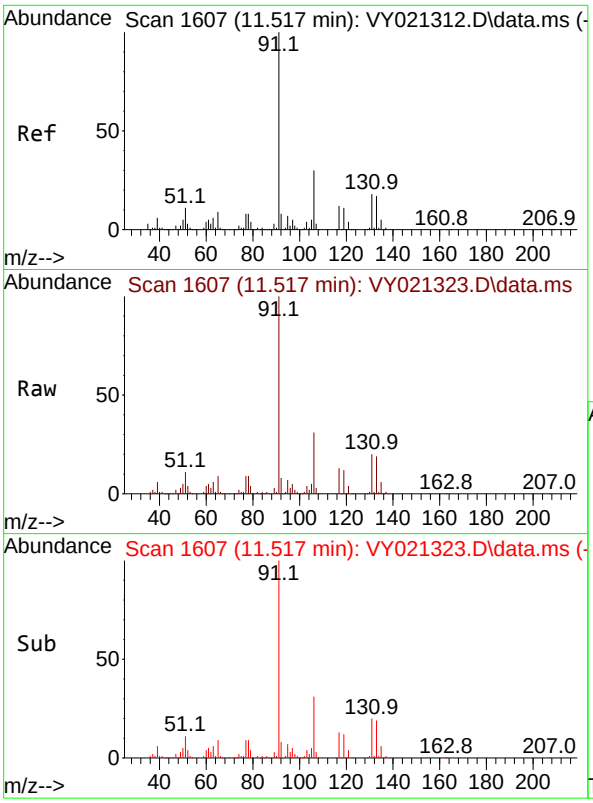



#66
1,1,1,2-Tetrachloroethane
Concen: 19.350 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:131 Resp: 39353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.7 | 47.9 | 143.6 |
| 119 | 65.6 | 31.7 | 95.1 |

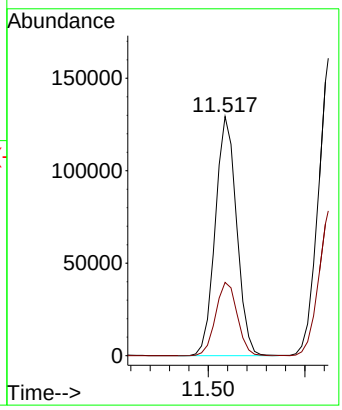





#67
Ethyl Benzene
Concen: 19.225 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 19778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 24.4 | 36.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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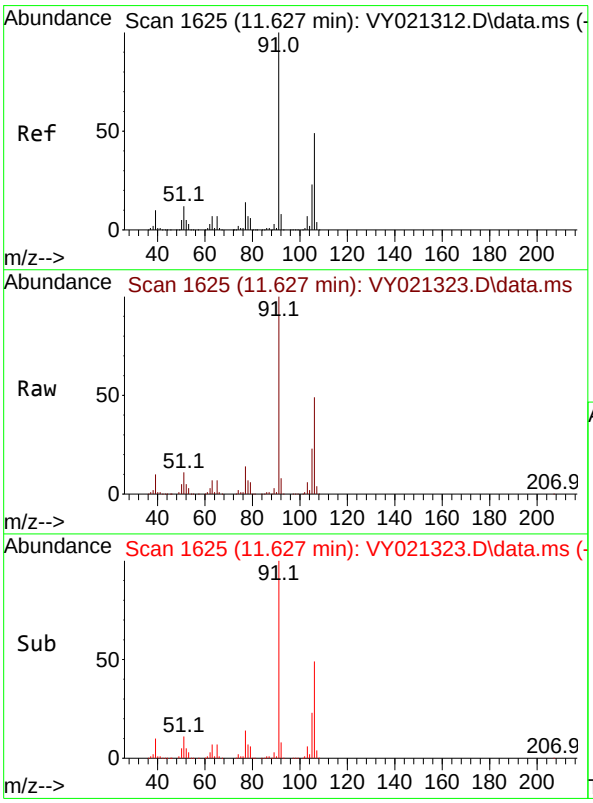
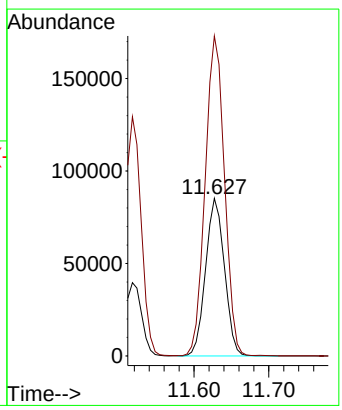
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

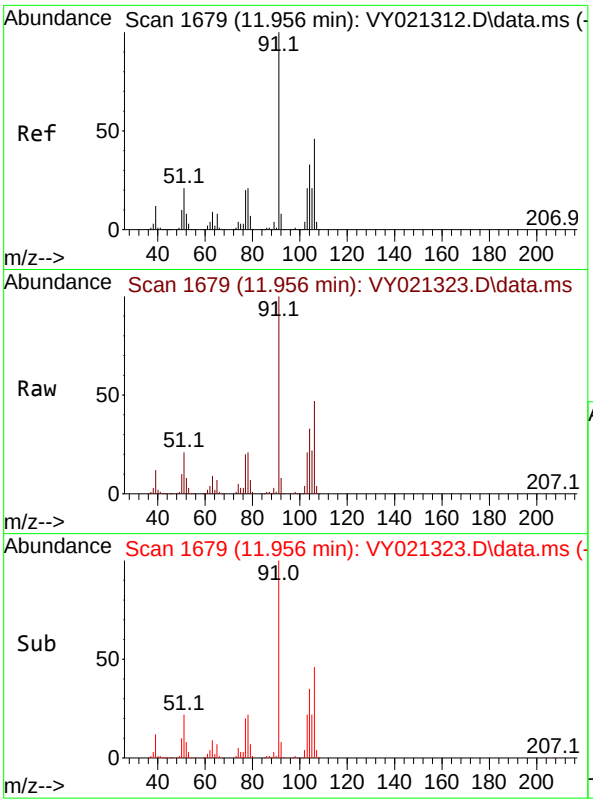



#68
m/p-Xylenes
Concen: 38.593 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:106 Resp: 149341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.6 | 163.9 | 245.9 |

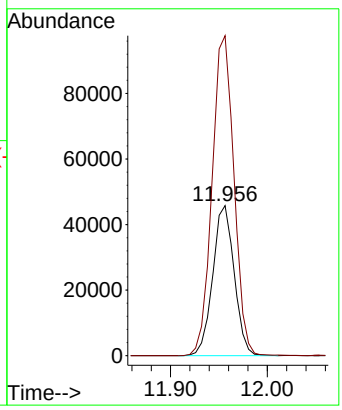





#69
o-Xylene
Concen: 19.444 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:106 Resp: 7048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.8 | 108.1 | 324.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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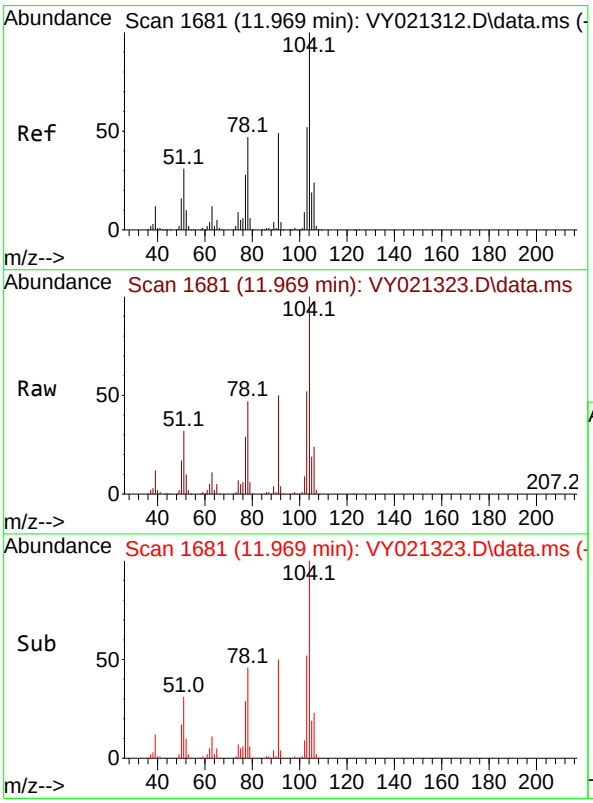
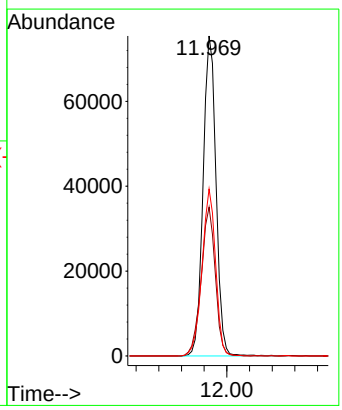
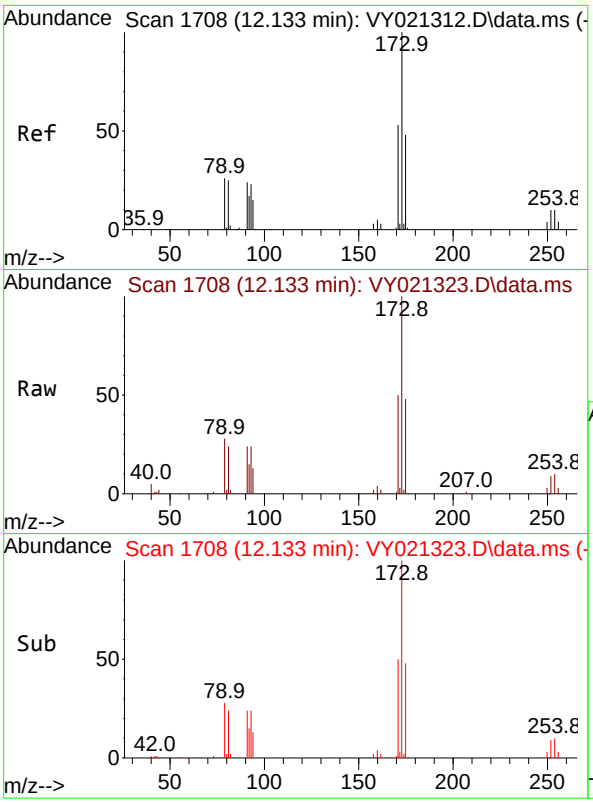



#70
Styrene
Concen: 19.791 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:104 Resp: 119367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.6 | 41.3 | 61.9 |
| 103 | 54.9 | 43.9 | 65.9 |

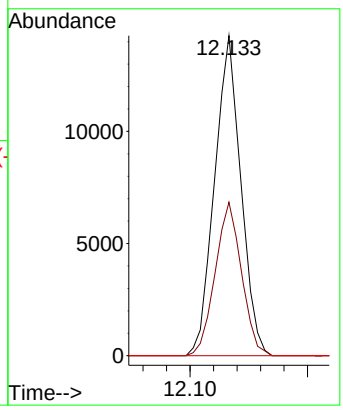





#71
Bromoform
Concen: 19.055 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:173 Resp: 2217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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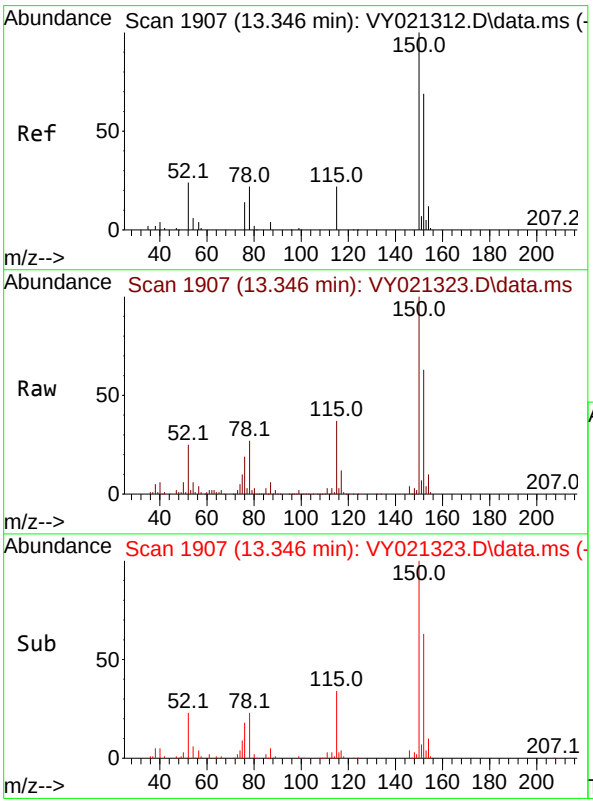
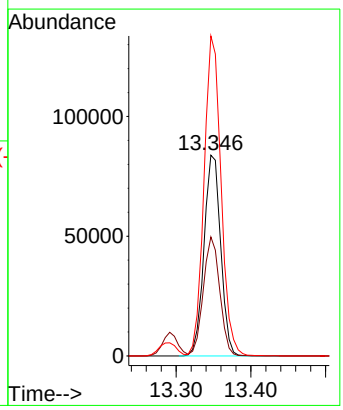
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

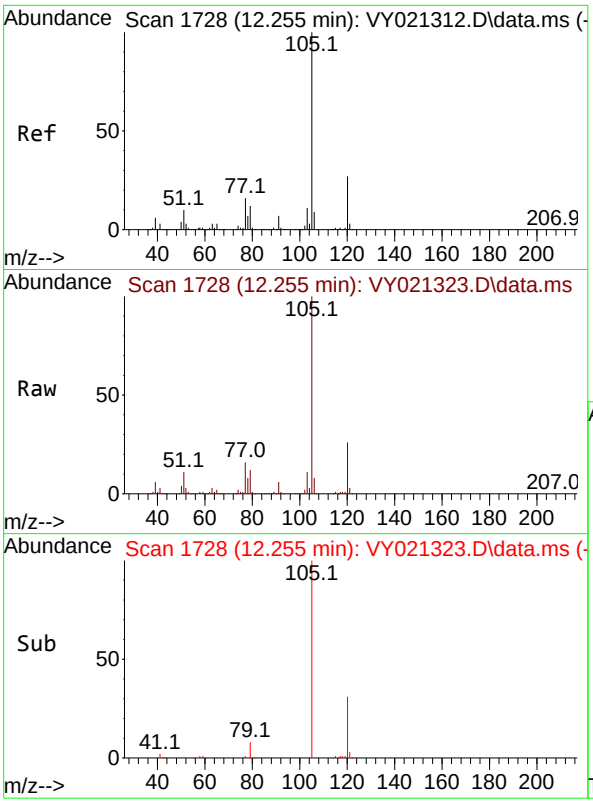



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:152 Resp: 129829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.4 | 29.3 | 88.0 |
| 150 | 162.9 | 0.0 | 347.4 |

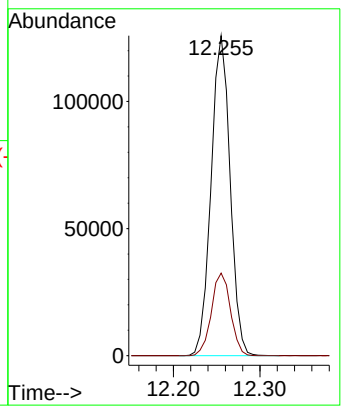





#73
Isopropylbenzene
Concen: 19.688 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 19216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.3 | 39.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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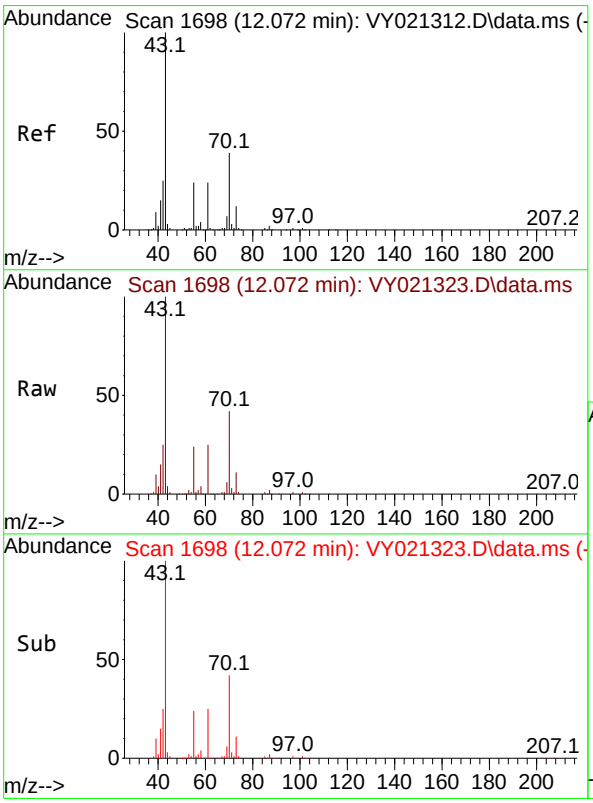
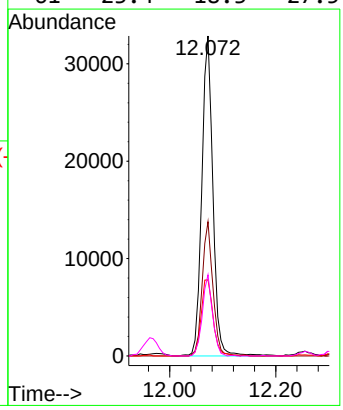
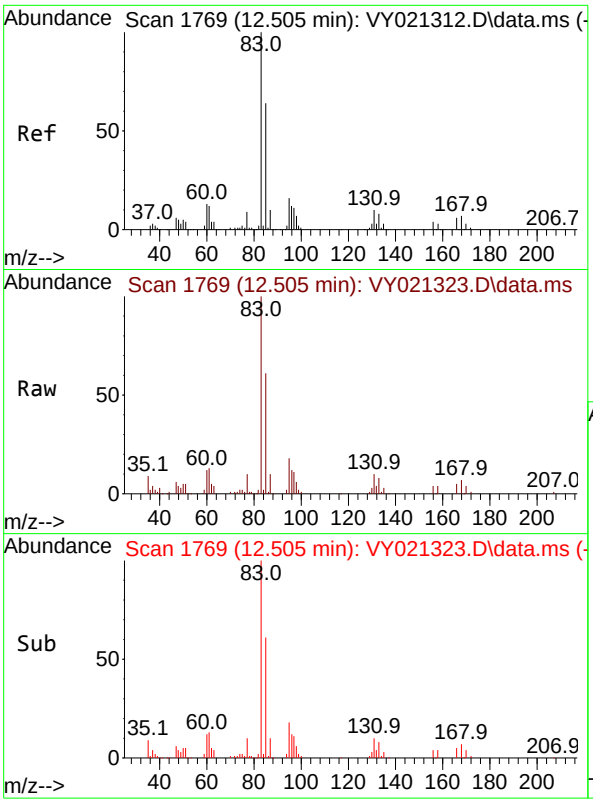



#74
N-amyl acetate
Concen: 19.319 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 47929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 32.2 | 48.2 |
| 55 | 25.5 | 19.6 | 29.4 |
| 61 | 23.4 | 18.3 | 27.5 |

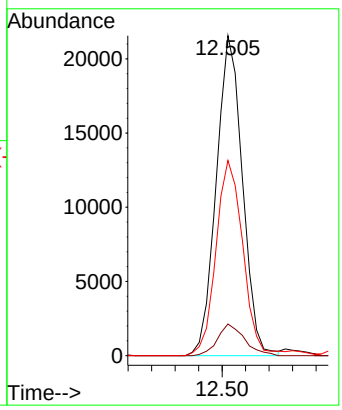





#75
1,1,2,2-Tetrachloroethane
Concen: 19.410 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 83 Resp: 3343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 5.2 | 15.6 |
| 85 | 63.6 | 32.0 | 96.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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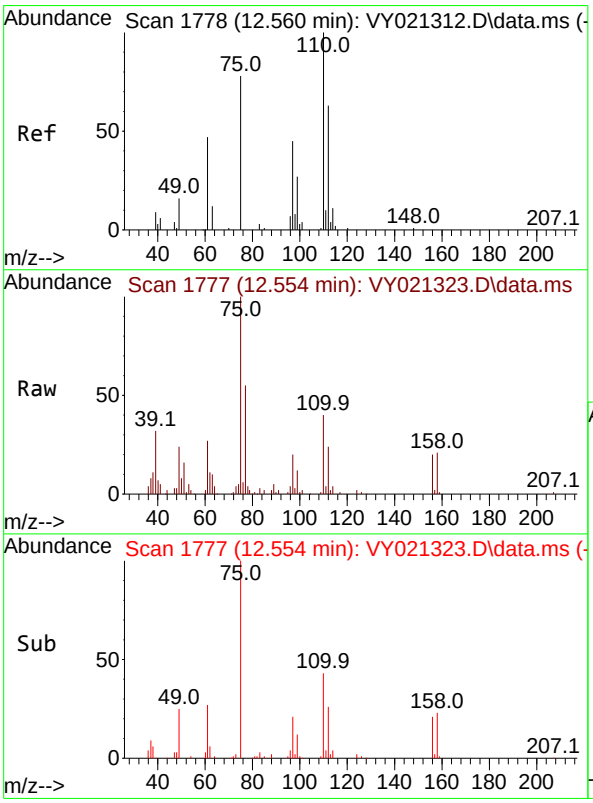
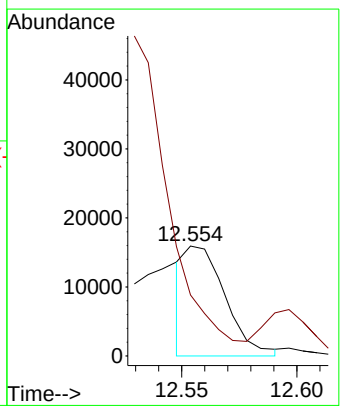
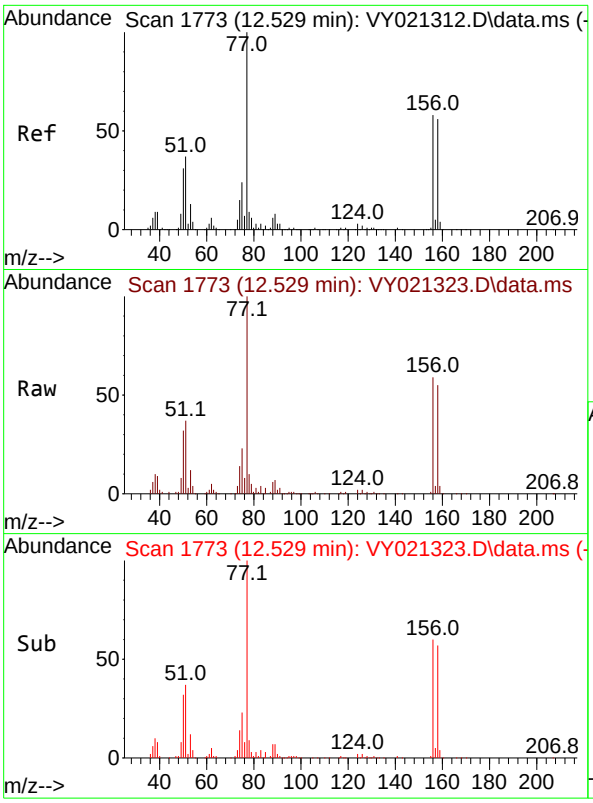



#76
1,2,3-Trichloropropane
Concen: 14.886 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 19345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

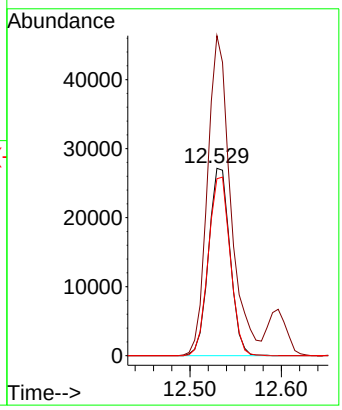





#77
Bromobenzene
Concen: 19.442 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:156 Resp: 4413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.1 | 94.0 | 282.1 |
| 158 | 97.5 | 48.7 | 146.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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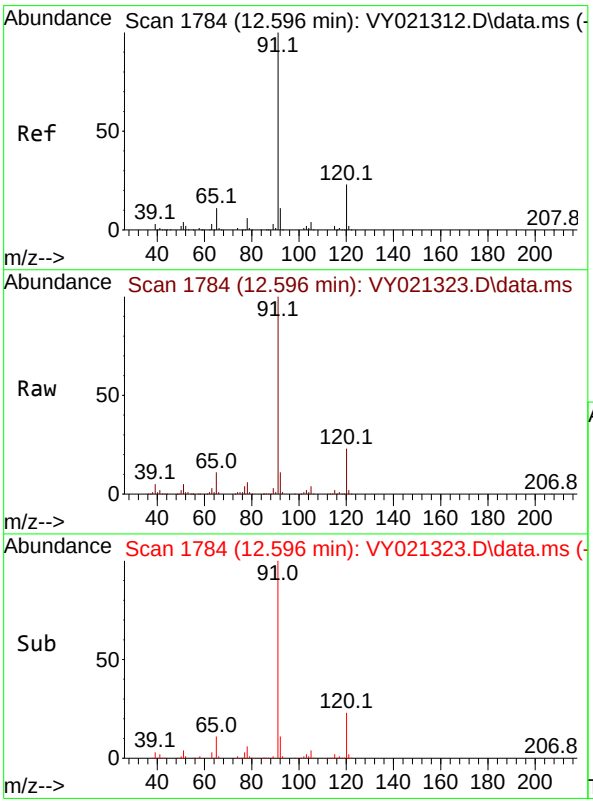
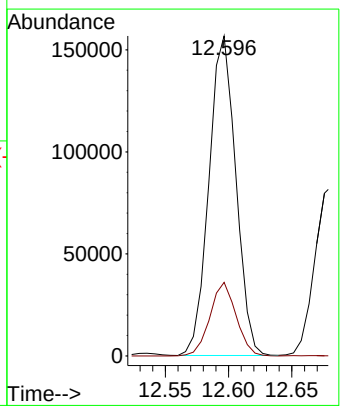
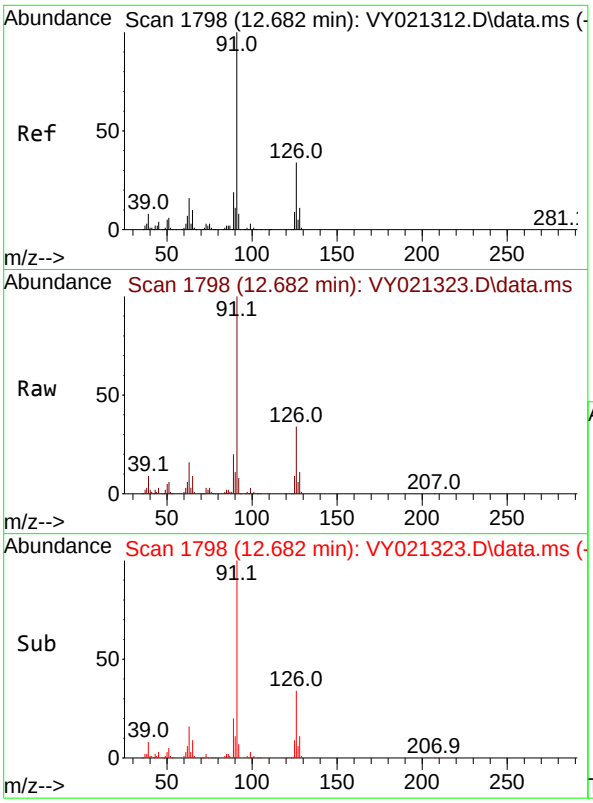



#78
n-propylbenzene
Concen: 19.547 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 231519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.2 | 33.5 |

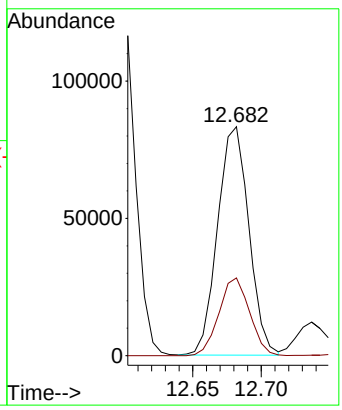





#79
2-Chlorotoluene
Concen: 19.457 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 13225

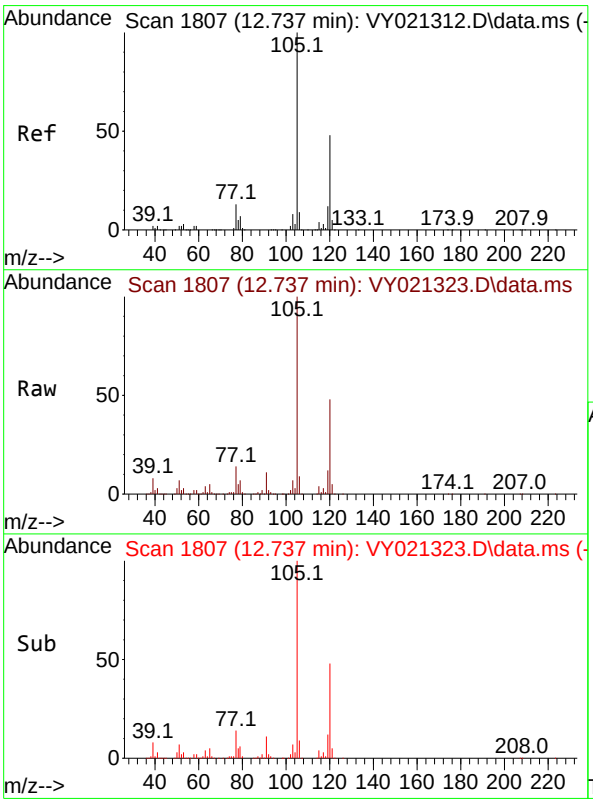
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.9 | 50.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
**APPROVED**

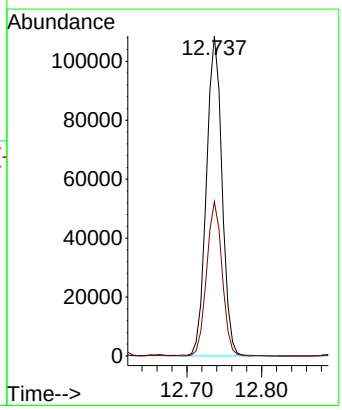
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

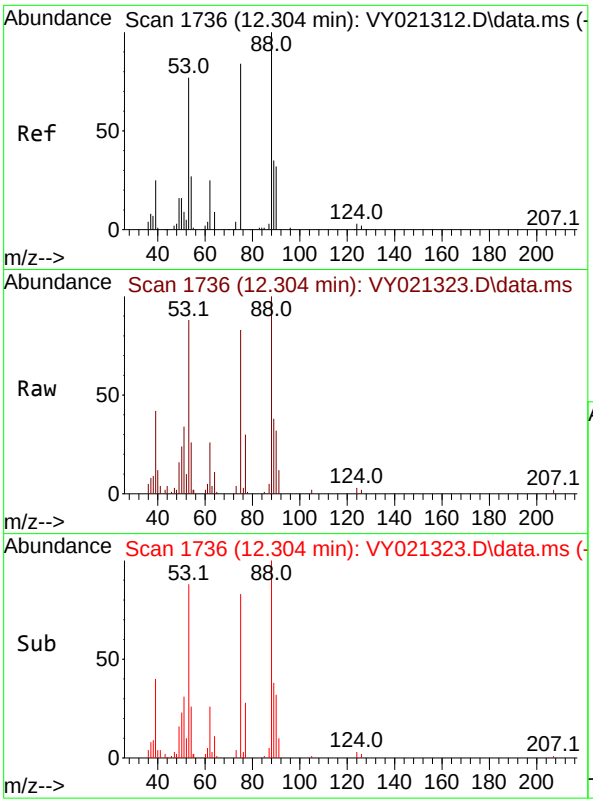



#80
1,3,5-Trimethylbenzene
Concen: 19.706 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 157749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 24.3 | 73.0 |

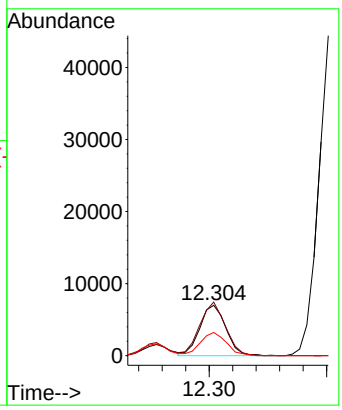





#81
trans-1,4-Dichloro-2-butene
Concen: 18.445 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 1078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 105.0 | 79.1 | 118.7 |
| 89 | 45.4 | 35.6 | 53.4 |




**Instrument :**
MSVOA_Y
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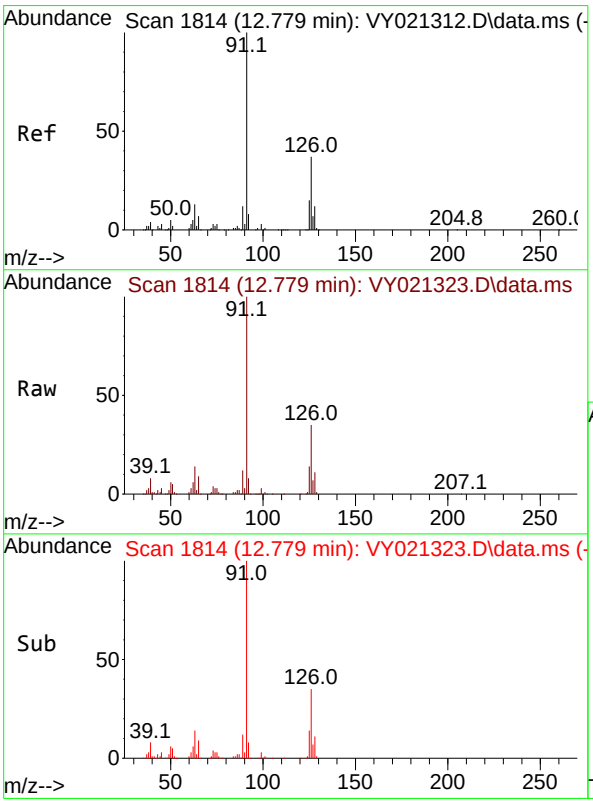
VY0226SBSD01

**Manual Integrations**
**APPROVED**

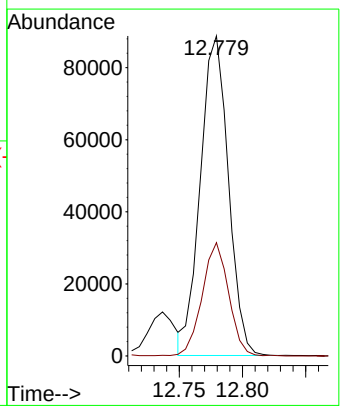
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

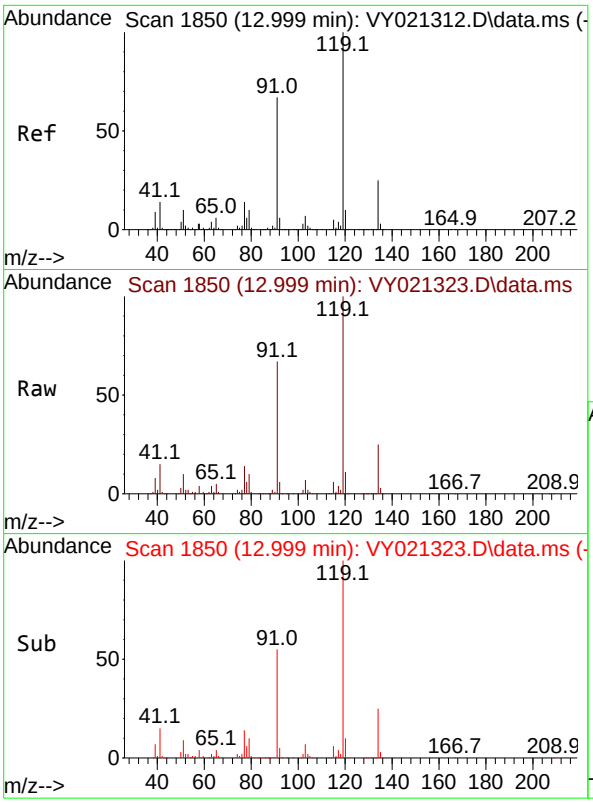



#82
4-Chlorotoluene
Concen: 19.394 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 136654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.8 | 50.4 |

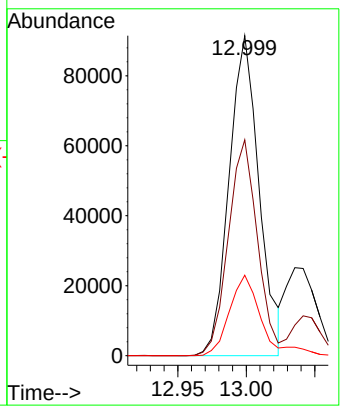





#83
tert-Butylbenzene
Concen: 19.288 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:119 Resp: 13947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.4 | 32.7 | 98.1 |
| 134 | 26.7 | 13.3 | 39.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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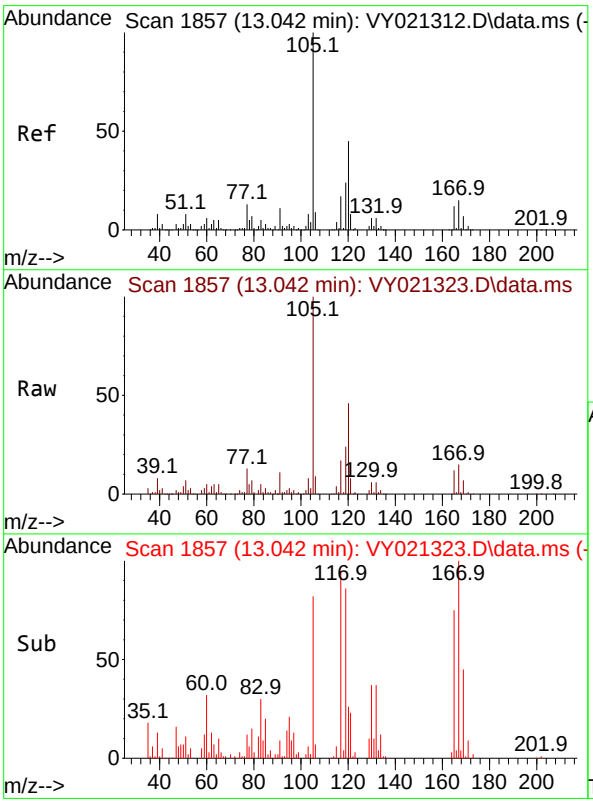
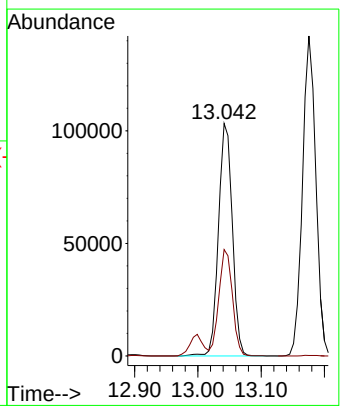
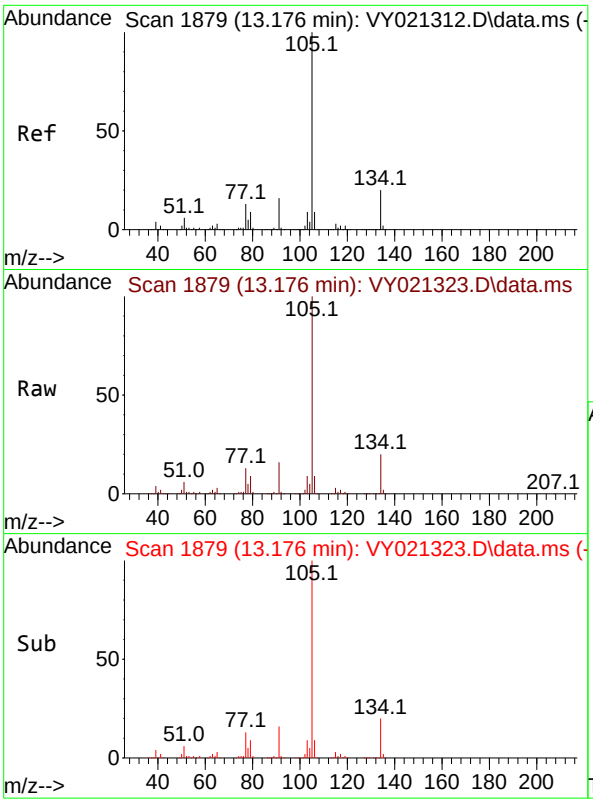



#84
1,2,4-Trimethylbenzene
Concen: 19.655 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 156482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.8 | 22.4 | 67.3 |

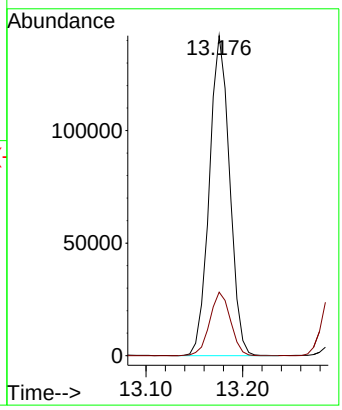





#85
sec-Butylbenzene
Concen: 19.613 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 20716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 10.0 | 30.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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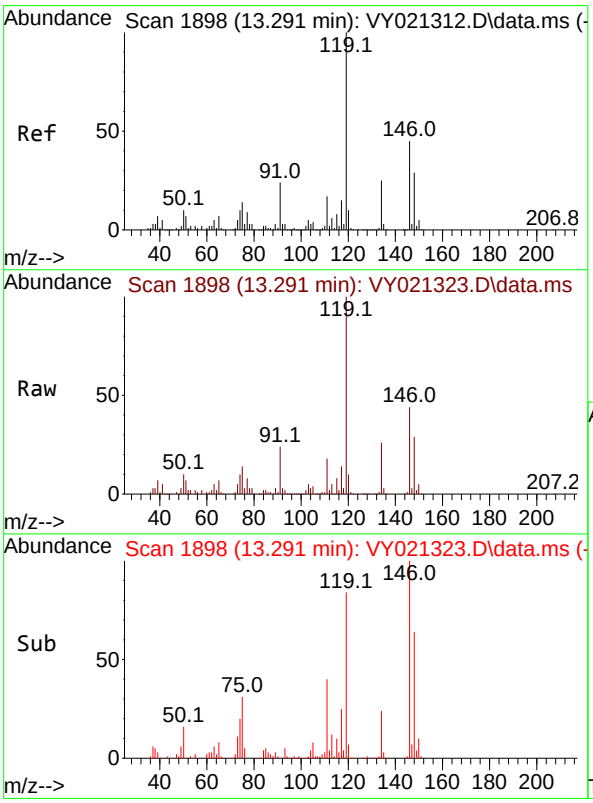
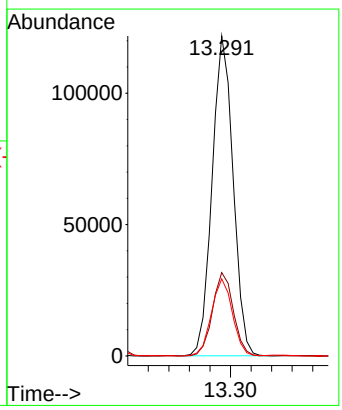
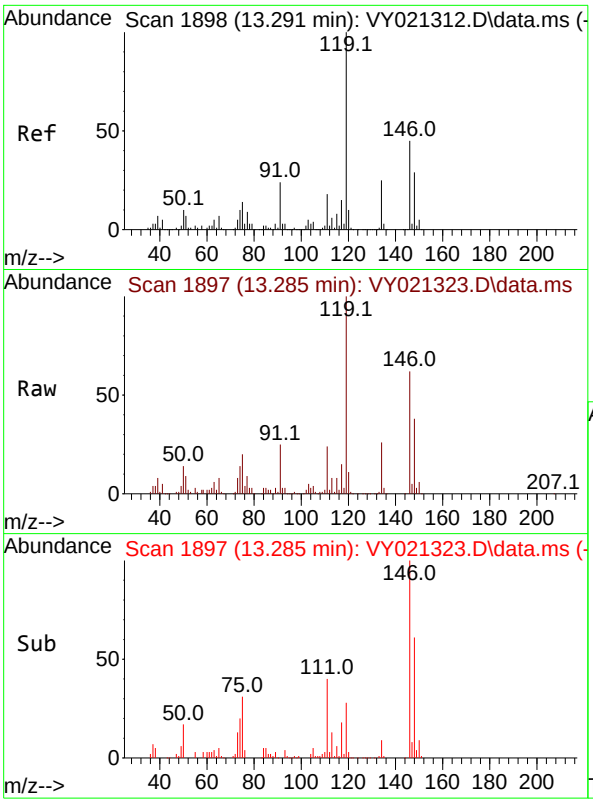



#86
p-Isopropyltoluene
Concen: 19.534 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:119 Resp: 172280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.0 | 38.9 |
| 91 | 24.2 | 12.0 | 36.1 |

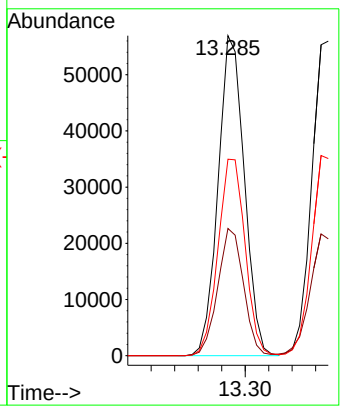





#87
1,3-Dichlorobenzene
Concen: 19.668 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:146 Resp: 8832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.0 | 20.0 | 59.9 |
| 148 | 63.4 | 31.9 | 95.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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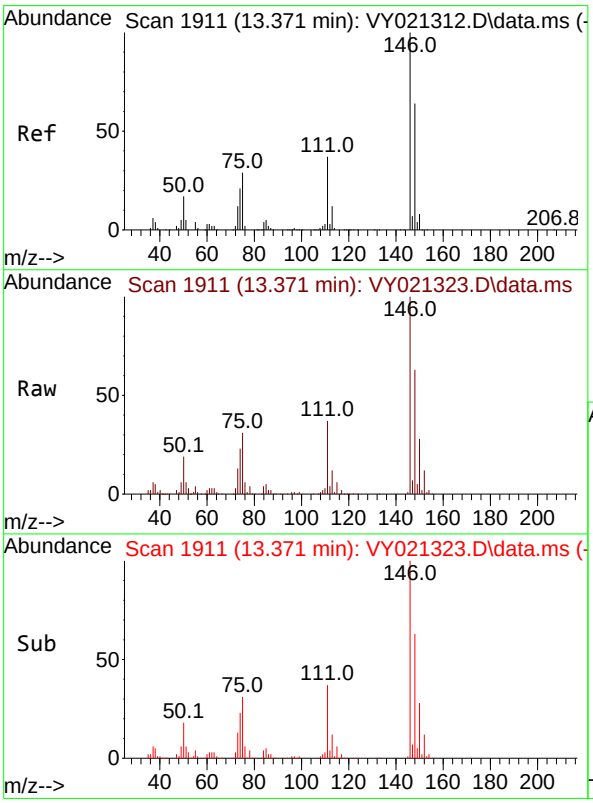
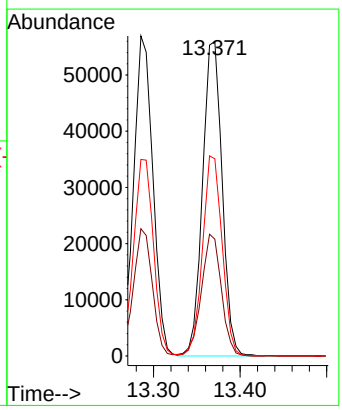
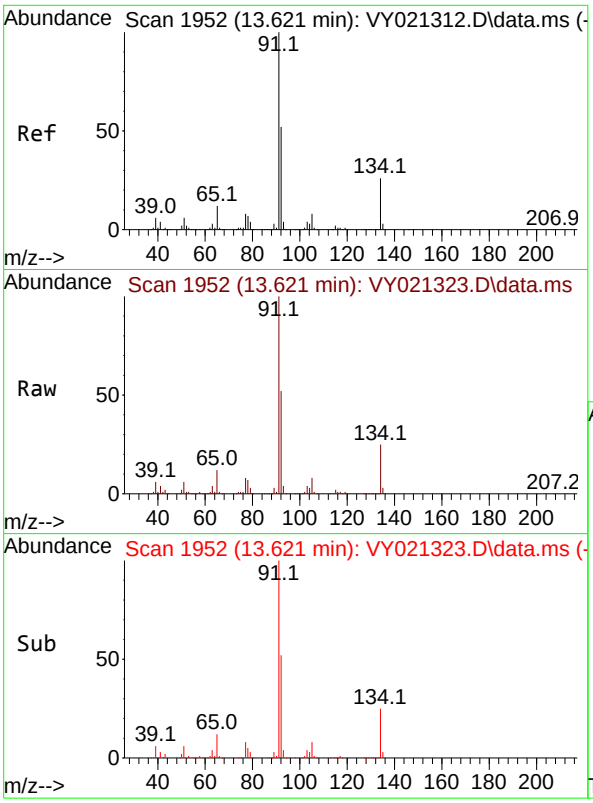



#88
1,4-Dichlorobenzene
Concen: 19.784 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:146 Resp: 87772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.7 | 19.5 | 58.5 |
| 148 | 63.7 | 32.0 | 96.2 |

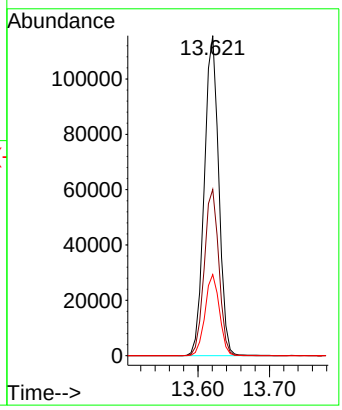





#89
n-Butylbenzene
Concen: 19.527 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 16207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 26.4 | 79.2 |
| 134 | 25.3 | 12.7 | 38.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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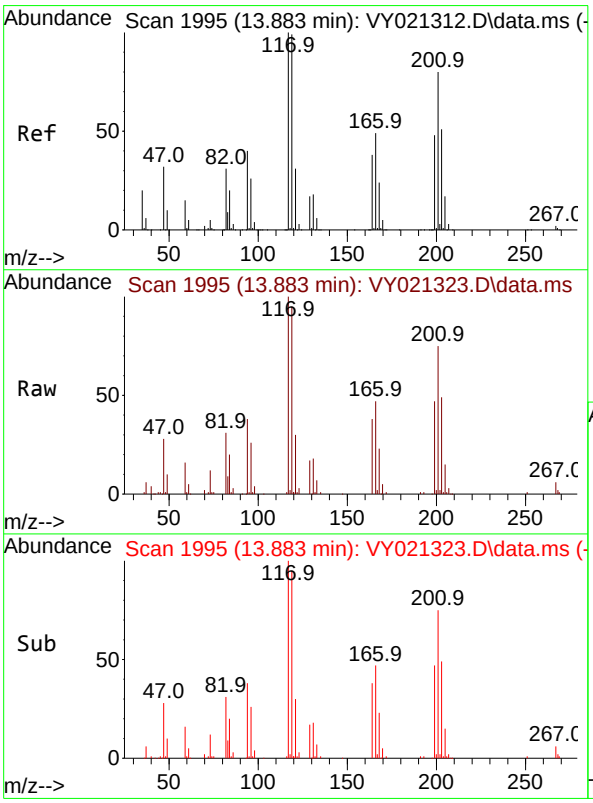
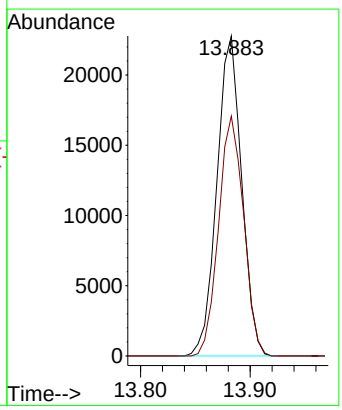
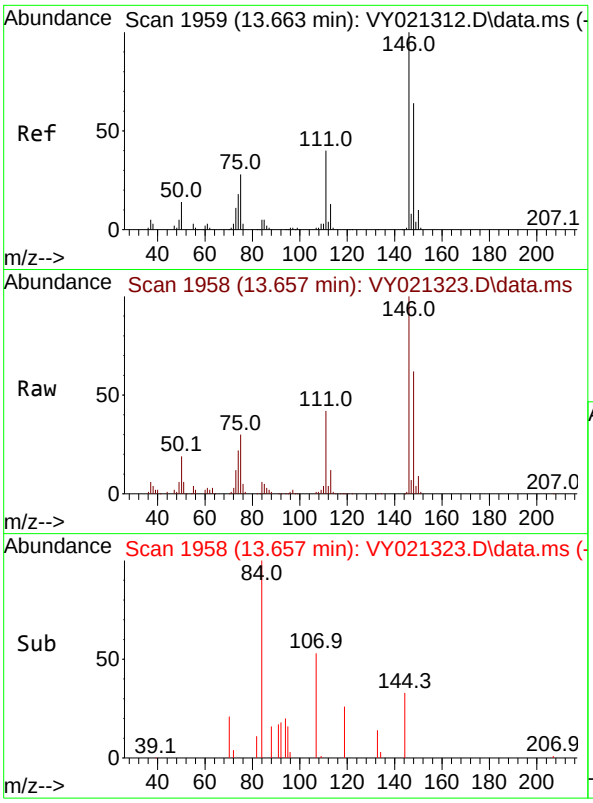



#90
Hexachloroethane
Concen: 19.411 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:117 Resp: 35761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 75.8 | 38.4 | 115.2 |

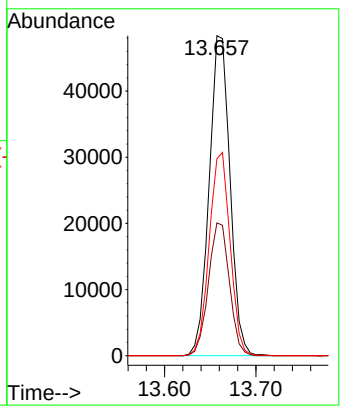





#91
1,2-Dichlorobenzene
Concen: 19.457 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:146 Resp: 7655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 20.7 | 62.1 |
| 148 | 63.5 | 31.7 | 95.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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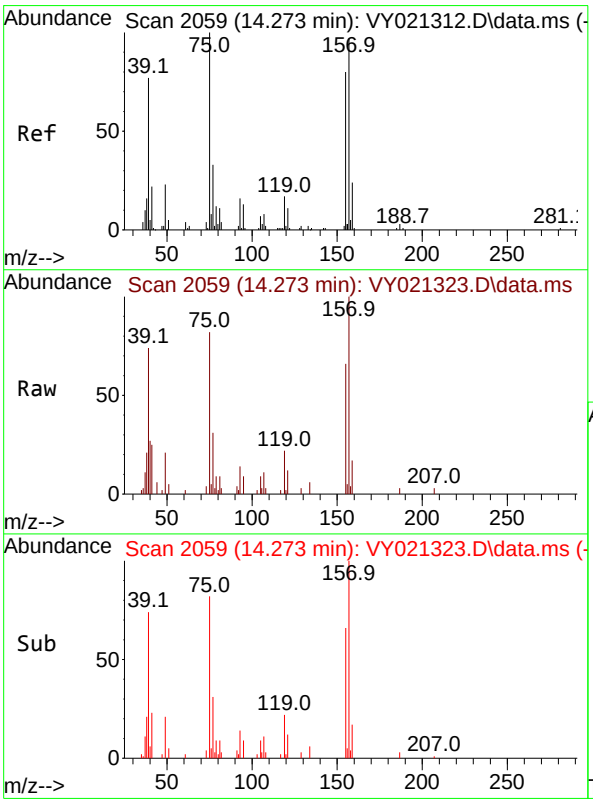
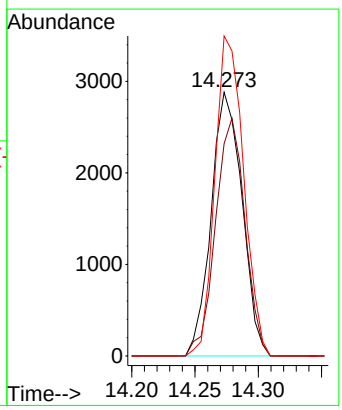
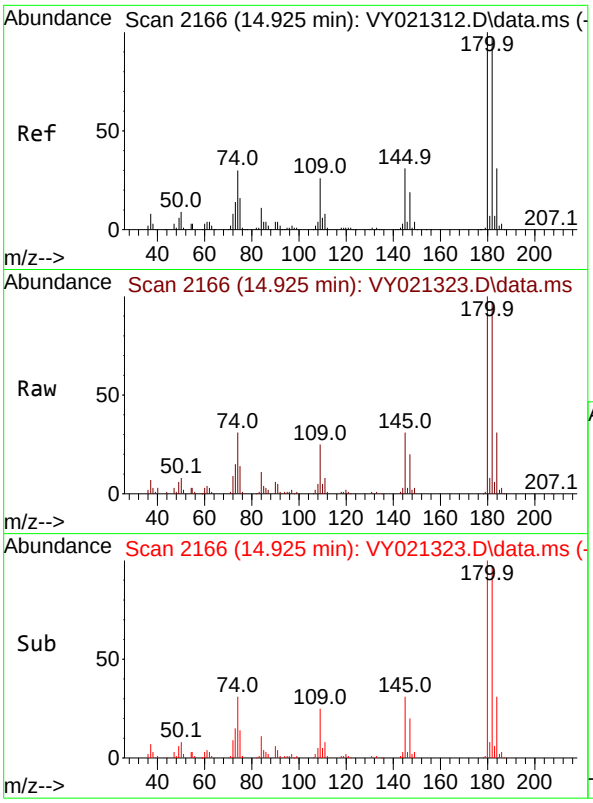



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.963 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 4895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.7 | 41.9 | 125.6 |
| 157 | 112.6 | 52.5 | 157.6 |

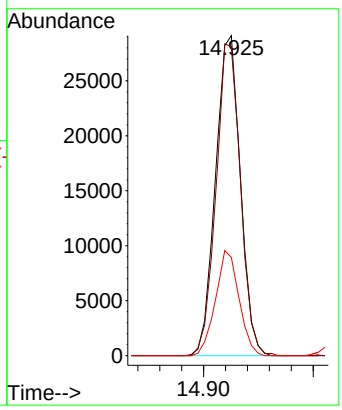





#93
1,2,4-Trichlorobenzene
Concen: 19.047 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:180 Resp: 4574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 47.9 | 143.7 |
| 145 | 31.2 | 15.6 | 46.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

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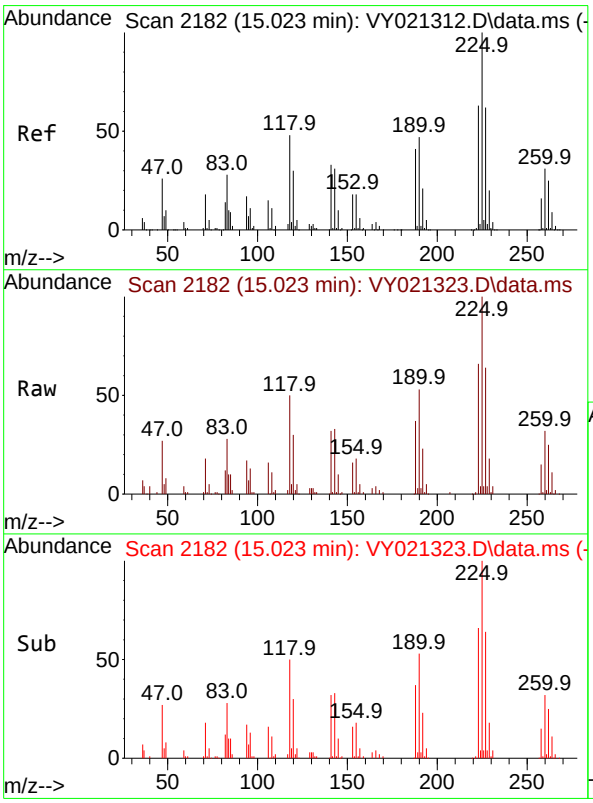
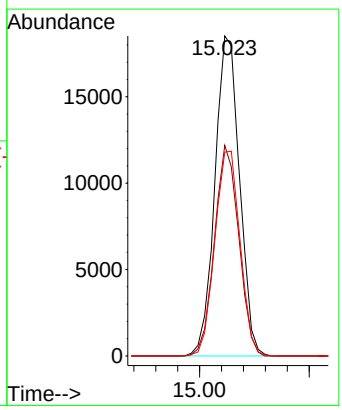
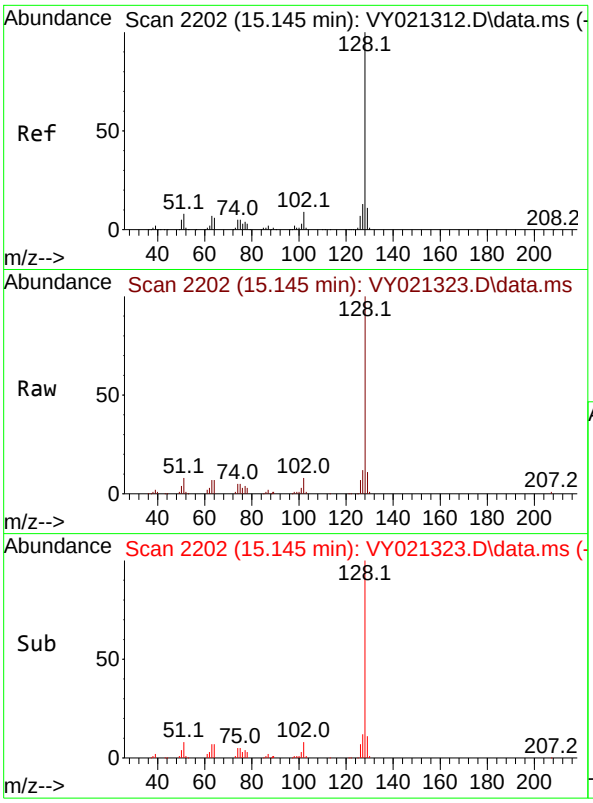



#94
Hexachlorobutadiene
Concen: 19.115 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:225 Resp: 28899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.8 | 31.8 | 95.4 |
| 227 | 65.4 | 31.9 | 95.7 |

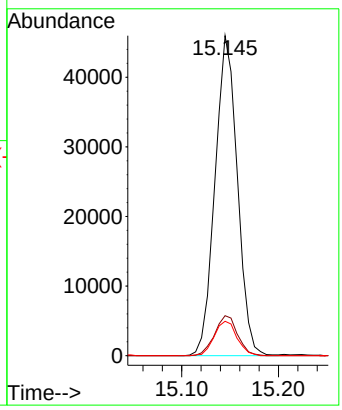





#95
Naphthalene
Concen: 18.532 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:128 Resp: 7371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 11.0 | 8.5 | 12.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

**Manual Integrations**
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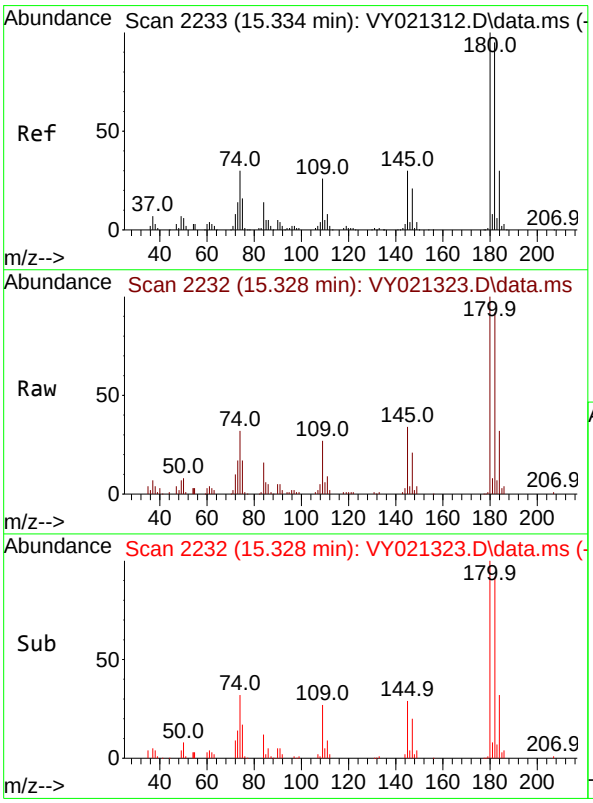
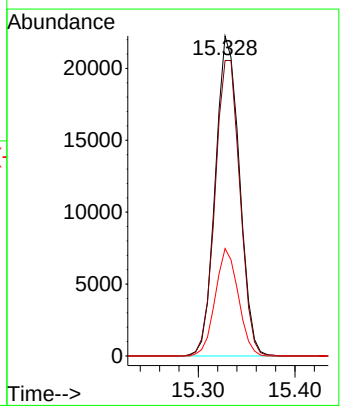



#96
1,2,3-Trichlorobenzene
Concen: 18.936 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:180 Resp: 38421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 48.3 | 144.9 |
| 145 | 32.2 | 16.1 | 48.3 |



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# Manual Integration Report

| Sequence: | VY020325 | Instrument | MSVOA_y |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC005 | VY021020.D | 1,2,3-Trichloropropane | MMDadoda | 2/4/2025 3:47:43 PM | SAM | 2/4/2025 3:52:46 PM | Peak Integrated by Software |
| VSTDICC005 | VY021020.D | Methacrylonitrile | MMDadoda | 2/4/2025 3:47:43 PM | SAM | 2/4/2025 3:52:46 PM | Peak Integrated by Software |
| VSTDICC010 | VY021021.D | 1,2,3-Trichloropropane | MMDadoda | 2/4/2025 3:47:41 PM | SAM | 2/4/2025 3:52:44 PM | Peak Integrated by Software |
| VSTDICC010 | VY021021.D | Methacrylonitrile | MMDadoda | 2/4/2025 3:47:41 PM | SAM | 2/4/2025 3:52:44 PM | Peak Integrated by Software |
| VSTDICC010 | VY021021.D | Tert butyl alcohol | MMDadoda | 2/4/2025 3:47:41 PM | SAM | 2/4/2025 3:52:44 PM | Peak Integrated by Software |
| VSTDICC020 | VY021022.D | 1,2,3-Trichloropropane | MMDadoda | 2/4/2025 3:47:39 PM | SAM | 2/4/2025 3:52:43 PM | Peak Integrated by Software |
| VSTDICC020 | VY021022.D | Methacrylonitrile | MMDadoda | 2/4/2025 3:47:39 PM | SAM | 2/4/2025 3:52:43 PM | Peak Integrated by Software |
| VSTDICCC050 | VY021023.D | 1,2,3-Trichloropropane | MMDadoda | 2/4/2025 3:47:37 PM | SAM | 2/4/2025 3:52:39 PM | Peak Integrated by Software |
| VSTDICC100 | VY021024.D | 1,2,3-Trichloropropane | MMDadoda | 2/4/2025 3:47:36 PM | SAM | 2/4/2025 3:53:02 PM | Peak Integrated by Software |
| VSTDICC150 | VY021025.D | 1,2,3-Trichloropropane | MMDadoda | 2/4/2025 3:47:34 PM | SAM | 2/4/2025 3:53:04 PM | Peak Integrated by Software |
| VSTDICV050 | VY021027.D | 1,2,3-Trichloropropane | MMDadoda | 2/4/2025 3:47:32 PM | SAM | 2/4/2025 3:53:10 PM | Peak Integrated by Software |
| VSTDCCC050 | VY021044.D | 1,2,3-Trichloropropane | MMDadoda | 2/4/2025 3:47:27 PM | SAM | 2/4/2025 3:53:15 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VY020325 | Instrument | MSVOA_y |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | vy021925 | Instrument | MSVOA_y |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VY021236.D | 1,2,3-Trichloropropane | Romaben | 2/20/2025 8:40:07 AM | MMDadoda | 2/20/2025 12:10:14 PM | Peak Integrated by Software |
| VY0219SBS01 | VY021238.D | 1,2,3-Trichloropropane | Romaben | 2/20/2025 8:40:03 AM | MMDadoda | 2/20/2025 12:10:16 PM | Peak Integrated by Software |
| VSTDCCC050 | VY021245.D | 1,2,3-Trichloropropane | Romaben | 2/20/2025 8:40:17 AM | MMDadoda | 2/20/2025 12:10:19 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | vy022125 | Instrument | MSVOA_y |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VY021275.D | 1,2,3-Trichloropropane | Romaben | 2/24/2025 9:43:22 AM | MMDadoda | 2/24/2025 1:32:02 PM | Peak Integrated by Software |
| VY0221SBS01 | VY021277.D | 1,2,3-Trichloropropane | Romaben | 2/24/2025 9:43:27 AM | MMDadoda | 2/24/2025 1:32:01 PM | Peak Integrated by Software |
| VSTDCCC050 | VY021298.D | 1,2,3-Trichloropropane | SAM | 2/28/2025 7:07:08 AM | MMDadoda | 2/28/2025 7:07:19 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VY022525 | Instrument | MSVOA_y |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC005 | VY021309.D | 1,2,3-Trichloropropane | Romaben | 2/26/2025 10:45:25 AM | MMDadoda | 2/26/2025 1:44:30 PM | Peak Integrated by Software |
| VSTDICC005 | VY021309.D | Methacrylonitrile | Romaben | 2/26/2025 10:45:25 AM | MMDadoda | 2/26/2025 1:44:30 PM | Peak Integrated by Software |
| VSTDICC010 | VY021310.D | 1,2,3-Trichloropropane | Romaben | 2/26/2025 10:45:29 AM | MMDadoda | 2/26/2025 1:44:32 PM | Peak Integrated by Software |
| VSTDICC020 | VY021311.D | 1,2,3-Trichloropropane | Romaben | 2/26/2025 10:45:33 AM | MMDadoda | 2/26/2025 1:44:34 PM | Peak Integrated by Software |
| VSTDICCC050 | VY021312.D | 1,2,3-Trichloropropane | Romaben | 2/26/2025 10:45:52 AM | MMDadoda | 2/26/2025 1:44:36 PM | Peak Integrated by Software |
| VSTDICC150 | VY021314.D | 1,2,3-Trichloropropane | Romaben | 2/26/2025 10:45:40 AM | MMDadoda | 2/26/2025 1:44:39 PM | Peak Integrated by Software |
| VSTDICC100 | VY021316.D | 1,2,3-Trichloropropane | Romaben | 2/26/2025 10:45:43 AM | MMDadoda | 2/26/2025 1:44:41 PM | Peak Integrated by Software |
| VSTDICV050 | VY021317.D | 1,2,3-Trichloropropane | Romaben | 2/26/2025 10:45:47 AM | MMDadoda | 2/26/2025 1:44:42 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VY022625 | Instrument | MSVOA_y |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VY021320.D | 1,2,3-Trichloropropane | Romaben | 2/27/2025 9:36:03 AM | MMDadoda | 2/27/2025 12:12:27 PM | Peak Integrated by Software |
| VY0226SBS01 | VY021322.D | 1,2,3-Trichloropropane | Romaben | 2/27/2025 9:35:58 AM | MMDadoda | 2/27/2025 12:12:27 PM | Peak Integrated by Software |
| VY0226SBS01 | VY021322.D | Methacrylonitrile | Romaben | 2/27/2025 9:35:58 AM | MMDadoda | 2/27/2025 12:12:27 PM | Peak Integrated by Software |
| VY0226SBSD01 | VY021323.D | 1,2,3-Trichloropropane | Romaben | 2/27/2025 9:35:54 AM | MMDadoda | 2/27/2025 12:12:28 PM | Peak Integrated by Software |
| VSTDCCC050 | VY021344.D | 1,2,3-Trichloropropane | Romaben | 2/27/2025 9:36:17 AM | MMDadoda | 2/27/2025 12:12:34 PM | Peak Integrated by Software |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/4/2025 3:47:24 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/4/2025 3:53:22 PM | | |
| SubDirectory | VY020325 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y020325s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132839 |
| Initial Calibration Stds | VP132837,VP132841,VP132843,VP132845,VP132847,VP132849 |
| CCC | VP132853 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | VP132851 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VY021019.D | 03 Feb 2025 09:51 | SY/MD | Ok |
| 2 | VSTDICC005 | VY021020.D | 03 Feb 2025 10:35 | SY/MD | Ok,M |
| 3 | VSTDICC010 | VY021021.D | 03 Feb 2025 10:57 | SY/MD | Ok,M |
| 4 | VSTDICC020 | VY021022.D | 03 Feb 2025 11:20 | SY/MD | Ok,M |
| 5 | VSTDICCC050 | VY021023.D | 03 Feb 2025 11:43 | SY/MD | Ok,M |
| 6 | VSTDICC100 | VY021024.D | 03 Feb 2025 12:21 | SY/MD | Ok,M |
| 7 | VSTDICC150 | VY021025.D | 03 Feb 2025 12:44 | SY/MD | Ok,M |
| 8 | VIBLK | VY021026.D | 03 Feb 2025 13:11 | SY/MD | Ok |
| 9 | VSTDICV050 | VY021027.D | 03 Feb 2025 13:37 | SY/MD | Ok,M |
| 10 | VY0203SBL01 | VY021028.D | 03 Feb 2025 14:13 | SY/MD | Ok |
| 11 | VY0203SBS01 | VY021029.D | 03 Feb 2025 14:55 | SY/MD | Ok,M |
| 12 | VY0203SBSD01 | VY021030.D | 03 Feb 2025 15:17 | SY/MD | Ok,M |
| 13 | Q1239-10 | VY021031.D | 03 Feb 2025 15:50 | SY/MD | Not Ok |
| 14 | Q1215-01 | VY021032.D | 03 Feb 2025 16:14 | SY/MD | Ok |
| 15 | Q1215-05 | VY021033.D | 03 Feb 2025 16:37 | SY/MD | Not Ok |
| 16 | Q1216-01 | VY021034.D | 03 Feb 2025 17:01 | SY/MD | ReRun |
| 17 | Q1216-05 | VY021035.D | 03 Feb 2025 17:24 | SY/MD | Ok |
| 18 | IBLK | VY021036.D | 03 Feb 2025 17:47 | SY/MD | Not Ok |
| 19 | IBLK | VY021037.D | 03 Feb 2025 18:11 | SY/MD | Not Ok |
| 20 | Q1216-17 | VY021038.D | 03 Feb 2025 18:34 | SY/MD | Ok |
| 21 | Q1206-01 | VY021039.D | 03 Feb 2025 18:58 | SY/MD | Ok |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/4/2025 3:47:24 PM | | | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/4/2025 3:53:22 PM | | | | |
| SubDirectory | VY020325 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y020325s.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132839 |
| Initial Calibration Stds | VP132837,VP132841,VP132843,VP132845,VP132847,VP132849 |
| CCC | VP132853 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | VP132851 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1206-05 | VY021040.D | 03 Feb 2025 19:21 | SY/MD | Ok |
| 23 | Q1207-01 | VY021041.D | 03 Feb 2025 19:44 | SY/MD | Ok |
| 24 | Q1207-05 | VY021042.D | 03 Feb 2025 20:08 | SY/MD | Ok |
| 25 | Q1207-09 | VY021043.D | 03 Feb 2025 20:31 | SY/MD | Ok |
| 26 | VSTDCCC050 | VY021044.D | 03 Feb 2025 20:54 | SY/MD | Ok,M |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY021925

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/20/2025 12:10:22 PM | | | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/20/2025 12:13:00 PM | | | | |
| SubDirectory | VY021925 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y020325s.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133080 |
| Initial Calibration Stds | |
| CCC | VP133081,VP133082 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VY021235.D | 19 Feb 2025 09:09 | SY/MD | Ok |
| 2 | VSTDCCC050 | VY021236.D | 19 Feb 2025 14:55 | SY/MD | Ok,M |
| 3 | VY0219SBL01 | VY021237.D | 19 Feb 2025 15:21 | SY/MD | Ok |
| 4 | VY0219SBS01 | VY021238.D | 19 Feb 2025 15:49 | SY/MD | Ok,M |
| 5 | VY0219SBSD01 | VY021239.D | 19 Feb 2025 16:12 | SY/MD | Ok,M |
| 6 | Q1384-01RE | VY021240.D | 19 Feb 2025 16:35 | SY/MD | Confirms |
| 7 | Q1380-06 | VY021241.D | 19 Feb 2025 16:59 | SY/MD | Ok |
| 8 | Q1382-01 | VY021242.D | 19 Feb 2025 17:22 | SY/MD | Ok |
| 9 | Q1382-03 | VY021243.D | 19 Feb 2025 17:45 | SY/MD | Ok |
| 10 | Q1382-05 | VY021244.D | 19 Feb 2025 18:09 | SY/MD | Ok |
| 11 | VSTDCCC050 | VY021245.D | 19 Feb 2025 18:32 | SY/MD | Ok,M |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY022125

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/24/2025 1:32:08 PM | | | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/24/2025 1:34:10 PM | | | | |
| SubDirectory | VY022125 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y020325s.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133100 |
| Initial Calibration Stds | |
| CCC | VP133101,VP133102 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VY021274.D | 21 Feb 2025 09:06 | SY/MD | Ok |
| 2 | VSTDCCC050 | VY021275.D | 21 Feb 2025 09:37 | SY/MD | Ok,M |
| 3 | VY0221SBL01 | VY021276.D | 21 Feb 2025 11:12 | SY/MD | Ok |
| 4 | VY0221SBS01 | VY021277.D | 21 Feb 2025 11:43 | SY/MD | Ok,M |
| 5 | VY0221SBSD01 | VY021278.D | 21 Feb 2025 12:06 | SY/MD | Ok,M |
| 6 | Q1383-01 | VY021279.D | 21 Feb 2025 12:41 | SY/MD | Ok |
| 7 | Q1383-03 | VY021280.D | 21 Feb 2025 13:04 | SY/MD | Ok |
| 8 | Q1383-05 | VY021281.D | 21 Feb 2025 13:27 | SY/MD | Ok |
| 9 | Q1383-07 | VY021282.D | 21 Feb 2025 13:51 | SY/MD | Ok |
| 10 | VY0221SBSD02 | VY021283.D | 21 Feb 2025 14:14 | SY/MD | Not Ok |
| 11 | Q1383-11 | VY021284.D | 21 Feb 2025 14:37 | SY/MD | Ok |
| 12 | Q1383-13 | VY021285.D | 21 Feb 2025 15:00 | SY/MD | Ok |
| 13 | Q1383-15 | VY021286.D | 21 Feb 2025 15:24 | SY/MD | Ok |
| 14 | Q1383-17 | VY021287.D | 21 Feb 2025 15:47 | SY/MD | Ok |
| 15 | Q1383-19 | VY021288.D | 21 Feb 2025 16:10 | SY/MD | Ok |
| 16 | Q1383-21 | VY021289.D | 21 Feb 2025 16:34 | SY/MD | Ok |
| 17 | Q1382-07 | VY021290.D | 21 Feb 2025 16:57 | SY/MD | Ok |
| 18 | Q1382-09 | VY021291.D | 21 Feb 2025 17:21 | SY/MD | Ok |
| 19 | Q1382-11 | VY021292.D | 21 Feb 2025 17:44 | SY/MD | Ok |
| 20 | Q1382-13 | VY021293.D | 21 Feb 2025 18:08 | SY/MD | Ok |
| 21 | Q1382-15 | VY021294.D | 21 Feb 2025 18:31 | SY/MD | Ok |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY022125

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/24/2025 1:32:08 PM | | | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/24/2025 1:34:10 PM | | | | |
| SubDirectory | VY022125 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y020325s.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133100 |
| Initial Calibration Stds | |
| CCC | VP133101,VP133102 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1382-17 | VY021295.D | 21 Feb 2025 18:54 | SY/MD | Ok |
| 23 | Q1388-01RE | VY021296.D | 21 Feb 2025 19:18 | SY/MD | Confirms |
| 24 | Q1393-01 | VY021297.D | 21 Feb 2025 19:41 | SY/MD | Not Ok |
| 25 | VSTDCCC050 | VY021298.D | 21 Feb 2025 20:27 | SY/MD | Ok,M |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY022525

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/26/2025 1:45:35 PM | | | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/26/2025 1:46:55 PM | | | | |
| SubDirectory | VY022525 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y022525s.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133154 |
| Initial Calibration Stds | VP133137,VP133140,VP133143,VP133146,VP133147,VP133149 |
| CCC | |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | VP133150 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VY021308.D | 25 Feb 2025 12:10 | SY/MD | Ok |
| 2 | VSTDICC005 | VY021309.D | 25 Feb 2025 12:40 | SY/MD | Ok,M |
| 3 | VSTDICC010 | VY021310.D | 25 Feb 2025 13:03 | SY/MD | Ok,M |
| 4 | VSTDICC020 | VY021311.D | 25 Feb 2025 13:26 | SY/MD | Ok,M |
| 5 | VSTDICCC050 | VY021312.D | 25 Feb 2025 14:48 | SY/MD | Ok,M |
| 6 | VSTDICC100 | VY021313.D | 25 Feb 2025 15:34 | SY/MD | Not Ok |
| 7 | VSTDICC150 | VY021314.D | 25 Feb 2025 15:57 | SY/MD | Ok,M |
| 8 | VIBLK | VY021315.D | 25 Feb 2025 16:24 | SY/MD | Ok |
| 9 | VSTDICC100 | VY021316.D | 25 Feb 2025 16:49 | SY/MD | Ok,M |
| 10 | VSTDICV050 | VY021317.D | 25 Feb 2025 17:31 | SY/MD | Ok,M |
| 11 | VIBLK | VY021318.D | 25 Feb 2025 17:54 | SY/MD | Ok |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/27/2025 12:12:40 PM | | | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/27/2025 12:13:53 PM | | | | |
| SubDirectory | VY022625 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82Y022525S.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133161 |
| Initial Calibration Stds | |
| CCC | VP133162,VP133163 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VY021319.D | 26 Feb 2025 09:12 | SY/MD | Ok |
| 2 | VSTDCCC050 | VY021320.D | 26 Feb 2025 10:11 | SY/MD | Ok,M |
| 3 | VY0226SBL01 | VY021321.D | 26 Feb 2025 10:50 | SY/MD | Ok |
| 4 | VY0226SBS01 | VY021322.D | 26 Feb 2025 11:22 | SY/MD | Ok,M |
| 5 | VY0226SBSD01 | VY021323.D | 26 Feb 2025 11:44 | SY/MD | Ok,M |
| 6 | Q1416-01 | VY021324.D | 26 Feb 2025 12:20 | SY/MD | ReRun |
| 7 | Q1413-02 | VY021325.D | 26 Feb 2025 12:43 | SY/MD | ReRun |
| 8 | Q1418-01 | VY021326.D | 26 Feb 2025 13:07 | SY/MD | Ok |
| 9 | Q1413-02RE | VY021327.D | 26 Feb 2025 13:30 | SY/MD | Confirms |
| 10 | Q1401-07 | VY021328.D | 26 Feb 2025 13:54 | SY/MD | Ok |
| 11 | Q1401-08 | VY021329.D | 26 Feb 2025 14:17 | SY/MD | Ok |
| 12 | Q1401-09 | VY021330.D | 26 Feb 2025 14:40 | SY/MD | Ok |
| 13 | Q1382-19 | VY021331.D | 26 Feb 2025 15:04 | SY/MD | Ok |
| 14 | Q1383-09 | VY021332.D | 26 Feb 2025 15:27 | SY/MD | Ok |
| 15 | Q1411-03 | VY021333.D | 26 Feb 2025 15:51 | SY/MD | Not Ok |
| 16 | Q1411-01 | VY021334.D | 26 Feb 2025 16:14 | SY/MD | Not Ok |
| 17 | Q1415-02 | VY021335.D | 26 Feb 2025 16:37 | SY/MD | Ok |
| 18 | Q1415-01 | VY021336.D | 26 Feb 2025 17:01 | SY/MD | Ok |
| 19 | Q1415-04 | VY021337.D | 26 Feb 2025 17:24 | SY/MD | Ok,M |
| 20 | Q1415-03 | VY021338.D | 26 Feb 2025 17:48 | SY/MD | ReRun |
| 21 | Q1420-07 | VY021339.D | 26 Feb 2025 18:11 | SY/MD | ReRun |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/27/2025 12:12:40 PM | | | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/27/2025 12:13:53 PM | | | | |
| SubDirectory | VY022625 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82Y022525S.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133161 |
| Initial Calibration Stds | |
| CCC | VP133162,VP133163 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1420-03 | VY021340.D | 26 Feb 2025 18:34 | SY/MD | Ok |
| 23 | Q1427-01 | VY021341.D | 26 Feb 2025 18:58 | SY/MD | ReRun |
| 24 | Q1380-07MS | VY021342.D | 26 Feb 2025 19:21 | SY/MD | ReRun |
| 25 | Q1380-08MSD | VY021343.D | 26 Feb 2025 19:43 | SY/MD | ReRun |
| 26 | VSTDCCC050 | VY021344.D | 26 Feb 2025 20:06 | SY/MD | Ok,M |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/4/2025 3:47:24 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/4/2025 3:53:22 PM | | |
| SubDirectory | VY020325 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y020325s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132839 |
| Initial Calibration Stds | VP132837,VP132841,VP132843,VP132845,VP132847,VP132849 |
| CCC | VP132853 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | VP132851 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VY021019.D | 03 Feb 2025 09:51 | | SY/MD | Ok |
| 2 | VSTDICC005 | VSTDICC005 | VY021020.D | 03 Feb 2025 10:35 | Good for DOD | SY/MD | Ok,M |
| 3 | VSTDICC010 | VSTDICC010 | VY021021.D | 03 Feb 2025 10:57 | | SY/MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VY021022.D | 03 Feb 2025 11:20 | | SY/MD | Ok,M |
| 5 | VSTDICCC050 | VSTDICCC050 | VY021023.D | 03 Feb 2025 11:43 | | SY/MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VY021024.D | 03 Feb 2025 12:21 | | SY/MD | Ok,M |
| 7 | VSTDICC150 | VSTDICC150 | VY021025.D | 03 Feb 2025 12:44 | | SY/MD | Ok,M |
| 8 | VIBLK | VIBLK | VY021026.D | 03 Feb 2025 13:11 | | SY/MD | Ok |
| 9 | VSTDICV050 | ICVVY020325 | VY021027.D | 03 Feb 2025 13:37 | | SY/MD | Ok,M |
| 10 | VY0203SBL01 | VY0203SBL01 | VY021028.D | 03 Feb 2025 14:13 | | SY/MD | Ok |
| 11 | VY0203SBS01 | VY0203SBS01 | VY021029.D | 03 Feb 2025 14:55 | | SY/MD | Ok,M |
| 12 | VY0203SBSD01 | VY0203SBSD01 | VY021030.D | 03 Feb 2025 15:17 | | SY/MD | Ok,M |
| 13 | Q1239-10 | 357 | VY021031.D | 03 Feb 2025 15:50 | vial B Not purged | SY/MD | Not Ok |
| 14 | Q1215-01 | JPP-29.1-012825 | VY021032.D | 03 Feb 2025 16:14 | vial A ISTD Fail | SY/MD | Ok |
| 15 | Q1215-05 | JPP-29.2-012825 | VY021033.D | 03 Feb 2025 16:37 | Not purged vial-A | SY/MD | Not Ok |
| 16 | Q1216-01 | JPP-18.1-012825 | VY021034.D | 03 Feb 2025 17:01 | vial A Internal Standard Fail | SY/MD | ReRun |
| 17 | Q1216-05 | JPP-21.1-012825 | VY021035.D | 03 Feb 2025 17:24 | vial B ISTD Fail | SY/MD | Ok |
| 18 | IBLK | IBLK | VY021036.D | 03 Feb 2025 17:47 | Not purged | SY/MD | Not Ok |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY020325

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/4/2025 3:47:24 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/4/2025 3:53:22 PM | | |
| SubDirectory | VY020325 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y020325s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132839 |
| Initial Calibration Stds | VP132837,VP132841,VP132843,VP132845,VP132847,VP132849 |
| CCC | VP132853 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | VP132851 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | IBLK | IBLK | VY021037.D | 03 Feb 2025 18:11 | Not purged | SY/MD | Not Ok |
| 20 | Q1216-17 | JPP-26.2-012825 | VY021038.D | 03 Feb 2025 18:34 | vial B Internal Standard Fail | SY/MD | Ok |
| 21 | Q1206-01 | JPP-20.1-012725 | VY021039.D | 03 Feb 2025 18:58 | vial B | SY/MD | Ok |
| 22 | Q1206-05 | JPP-16.3-012725 | VY021040.D | 03 Feb 2025 19:21 | vial B | SY/MD | Ok |
| 23 | Q1207-01 | JPP-2.1-012725 | VY021041.D | 03 Feb 2025 19:44 | vial-B | SY/MD | Ok |
| 24 | Q1207-05 | JPP-5.1-012725 | VY021042.D | 03 Feb 2025 20:08 | vial-B | SY/MD | Ok |
| 25 | Q1207-09 | JPP-4.5-012725 | VY021043.D | 03 Feb 2025 20:31 | vial-B | SY/MD | Ok |
| 26 | VSTDCCC050 | VSTDCCC050EC | VY021044.D | 03 Feb 2025 20:54 | | SY/MD | Ok,M |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY021925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/20/2025 12:10:22 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/20/2025 12:13:00 PM | | |
| SubDirectory | VY021925 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y020325s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133080 |
| Initial Calibration Stds | |
| CCC | VP133081,VP133082 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VY021235.D | 19 Feb 2025 09:09 | | SY/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VY021236.D | 19 Feb 2025 14:55 | | SY/MD | Ok,M |
| 3 | VY0219SBL01 | VY0219SBL01 | VY021237.D | 19 Feb 2025 15:21 | | SY/MD | Ok |
| 4 | VY0219SBS01 | VY0219SBS01 | VY021238.D | 19 Feb 2025 15:49 | | SY/MD | Ok,M |
| 5 | VY0219SBSD01 | VY0219SBSD01 | VY021239.D | 19 Feb 2025 16:12 | | SY/MD | Ok,M |
| 6 | Q1384-01RE | OR-03-021823025RE | VY021240.D | 19 Feb 2025 16:35 | Internal Standard Fail vial-B | SY/MD | Confirms |
| 7 | Q1380-06 | BP-VPB-192-GW-725-7 | VY021241.D | 19 Feb 2025 16:59 | vial-A | SY/MD | Ok |
| 8 | Q1382-01 | OU4-PCS-TC-01-02172 | VY021242.D | 19 Feb 2025 17:22 | vial-A | SY/MD | Ok |
| 9 | Q1382-03 | OU4-PCS-TC-02-02172 | VY021243.D | 19 Feb 2025 17:45 | vial-A | SY/MD | Ok |
| 10 | Q1382-05 | OU4-PCS-TC-03-02172 | VY021244.D | 19 Feb 2025 18:09 | vial-A | SY/MD | Ok |
| 11 | VSTDCCC050 | VSTDCCC050EC | VY021245.D | 19 Feb 2025 18:32 | | SY/MD | Ok,M |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY022125

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/24/2025 1:32:08 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/24/2025 1:34:10 PM | | |
| SubDirectory | VY022125 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y020325s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133100 |
| Initial Calibration Stds | |
| CCC | VP133101,VP133102 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VY021274.D | 21 Feb 2025 09:06 | | SY/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VY021275.D | 21 Feb 2025 09:37 | | SY/MD | Ok,M |
| 3 | VY0221SBL01 | VY0221SBL01 | VY021276.D | 21 Feb 2025 11:12 | | SY/MD | Ok |
| 4 | VY0221SBS01 | VY0221SBS01 | VY021277.D | 21 Feb 2025 11:43 | | SY/MD | Ok,M |
| 5 | VY0221SBSD01 | VY0221SBSD01 | VY021278.D | 21 Feb 2025 12:06 | | SY/MD | Ok,M |
| 6 | Q1383-01 | OU4-PCS-TC-11-02172 | VY021279.D | 21 Feb 2025 12:41 | vial-B | SY/MD | Ok |
| 7 | Q1383-03 | OU4-PCS-TC-12-02172 | VY021280.D | 21 Feb 2025 13:04 | vial-B | SY/MD | Ok |
| 8 | Q1383-05 | OU4-PCS-TC-13-02172 | VY021281.D | 21 Feb 2025 13:27 | vial-B | SY/MD | Ok |
| 9 | Q1383-07 | OU4-PCS-TC-14-02172 | VY021282.D | 21 Feb 2025 13:51 | vial-B | SY/MD | Ok |
| 10 | VY0221SBSD02 | VY0221SBSD02 | VY021283.D | 21 Feb 2025 14:14 | Not Required | SY/MD | Not Ok |
| 11 | Q1383-11 | OU4-PCS-TC-16-02172 | VY021284.D | 21 Feb 2025 14:37 | vial-B | SY/MD | Ok |
| 12 | Q1383-13 | OU4-PCS-TC-17-02172 | VY021285.D | 21 Feb 2025 15:00 | vial-B | SY/MD | Ok |
| 13 | Q1383-15 | OU4-PCS-TC-18-02172 | VY021286.D | 21 Feb 2025 15:24 | vial-B | SY/MD | Ok |
| 14 | Q1383-17 | OU4-PCS-TC-19-02172 | VY021287.D | 21 Feb 2025 15:47 | vial-B | SY/MD | Ok |
| 15 | Q1383-19 | OU4-PCS-TC-20-02172 | VY021288.D | 21 Feb 2025 16:10 | vial-B | SY/MD | Ok |
| 16 | Q1383-21 | OU4-CF-15-021725 | VY021289.D | 21 Feb 2025 16:34 | vial-B | SY/MD | Ok |
| 17 | Q1382-07 | OU4-PCS-TC-04-02172 | VY021290.D | 21 Feb 2025 16:57 | vial-B | SY/MD | Ok |
| 18 | Q1382-09 | OU4-PCS-TC-05-02172 | VY021291.D | 21 Feb 2025 17:21 | vial-B | SY/MD | Ok |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY022125

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/24/2025 1:32:08 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/24/2025 1:34:10 PM | | |
| SubDirectory | VY022125 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y020325s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133100 |
| Initial Calibration Stds | |
| CCC | VP133101,VP133102 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q1382-11 | OU4-PCS-TC-06-02172 | VY021292.D | 21 Feb 2025 17:44 | vial-B | SY/MD | Ok |
| 20 | Q1382-13 | OU4-PCS-TC-07-02172 | VY021293.D | 21 Feb 2025 18:08 | vial-B | SY/MD | Ok |
| 21 | Q1382-15 | OU4-PCS-TC-08-02172 | VY021294.D | 21 Feb 2025 18:31 | vial-B | SY/MD | Ok |
| 22 | Q1382-17 | OU4-PCS-TC-09-02172 | VY021295.D | 21 Feb 2025 18:54 | vial-B | SY/MD | Ok |
| 23 | Q1388-01RE | 72-12016RE | VY021296.D | 21 Feb 2025 19:18 | vial-B Internal Standard Fail | SY/MD | Confirms |
| 24 | Q1393-01 | SOIL-COMP | VY021297.D | 21 Feb 2025 19:41 | vial-B Not purge | SY/MD | Not Ok |
| 25 | VSTDCCC050 | VSTDCCC050EC | VY021298.D | 21 Feb 2025 20:27 | | SY/MD | Ok,M |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY022525

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/26/2025 1:45:35 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/26/2025 1:46:55 PM | | |
| SubDirectory | VY022525 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y022525s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133154 |
| Initial Calibration Stds | VP133137,VP133140,VP133143,VP133146,VP133147,VP133149 |
| CCC | |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | VP133150 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VY021308.D | 25 Feb 2025 12:10 | | SY/MD | Ok |
| 2 | VSTDICC005 | VSTDICC005 | VY021309.D | 25 Feb 2025 12:40 | | SY/MD | Ok,M |
| 3 | VSTDICC010 | VSTDICC010 | VY021310.D | 25 Feb 2025 13:03 | | SY/MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VY021311.D | 25 Feb 2025 13:26 | Acrolein fail for method | SY/MD | Ok,M |
| 5 | VSTDICCC050 | VSTDICCC050 | VY021312.D | 25 Feb 2025 14:48 | | SY/MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VY021313.D | 25 Feb 2025 15:34 | Not used | SY/MD | Not Ok |
| 7 | VSTDICC150 | VSTDICC150 | VY021314.D | 25 Feb 2025 15:57 | | SY/MD | Ok,M |
| 8 | VIBLK | VIBLK | VY021315.D | 25 Feb 2025 16:24 | | SY/MD | Ok |
| 9 | VSTDICC100 | VSTDICC100 | VY021316.D | 25 Feb 2025 16:49 | | SY/MD | Ok,M |
| 10 | VSTDICV050 | ICVVY022525 | VY021317.D | 25 Feb 2025 17:31 | ICV Failed for comp. #10 | SY/MD | Ok,M |
| 11 | VIBLK | VIBLK | VY021318.D | 25 Feb 2025 17:54 | | SY/MD | Ok |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/27/2025 12:12:40 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/27/2025 12:13:53 PM | | |
| SubDirectory | VY022625 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82Y022525S.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133161 |
| Initial Calibration Stds | |
| CCC | VP133162,VP133163 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VY021319.D | 26 Feb 2025 09:12 | | SY/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VY021320.D | 26 Feb 2025 10:11 | | SY/MD | Ok,M |
| 3 | VY0226SBL01 | VY0226SBL01 | VY021321.D | 26 Feb 2025 10:50 | | SY/MD | Ok |
| 4 | VY0226SBS01 | VY0226SBS01 | VY021322.D | 26 Feb 2025 11:22 | | SY/MD | Ok,M |
| 5 | VY0226SBSD01 | VY0226SBSD01 | VY021323.D | 26 Feb 2025 11:44 | | SY/MD | Ok,M |
| 6 | Q1416-01 | OK-01-022425 | VY021324.D | 26 Feb 2025 12:20 | vial-A ISTD Fail | SY/MD | ReRun |
| 7 | Q1413-02 | BU-2-022125 | VY021325.D | 26 Feb 2025 12:43 | vial-A ISTD Fail | SY/MD | ReRun |
| 8 | Q1418-01 | TR-06-02242025 | VY021326.D | 26 Feb 2025 13:07 | vial-A ISTD Fail | SY/MD | Ok |
| 9 | Q1413-02RE | BU-2-022125RE | VY021327.D | 26 Feb 2025 13:30 | vial-B ISTD Fail | SY/MD | Confirms |
| 10 | Q1401-07 | BP-VPB-192-GW-825-8 | VY021328.D | 26 Feb 2025 13:54 | vial-A | SY/MD | Ok |
| 11 | Q1401-08 | BP-VPB-192-GW-860-8 | VY021329.D | 26 Feb 2025 14:17 | vial-A | SY/MD | Ok |
| 12 | Q1401-09 | BP-VPB-192-GW-880-8 | VY021330.D | 26 Feb 2025 14:40 | vial-A | SY/MD | Ok |
| 13 | Q1382-19 | OU4-PCS-TC-10-02172 | VY021331.D | 26 Feb 2025 15:04 | vial-A | SY/MD | Ok |
| 14 | Q1383-09 | OU4-PCS-TC-15-02172 | VY021332.D | 26 Feb 2025 15:27 | vial-B | SY/MD | Ok |
| 15 | Q1411-03 | HR-03-02212025 | VY021333.D | 26 Feb 2025 15:51 | vial-A NOT PURGE | SY/MD | Not Ok |
| 16 | Q1411-01 | HR-02-02212025 | VY021334.D | 26 Feb 2025 16:14 | vial-A NOT PURGE | SY/MD | Not Ok |
| 17 | Q1415-02 | B-172-SB01 | VY021335.D | 26 Feb 2025 16:37 | vial-A | SY/MD | Ok |
| 18 | Q1415-01 | B-163-SB01 | VY021336.D | 26 Feb 2025 17:01 | vial-A | SY/MD | Ok |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 2/27/2025 12:12:40 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 2/27/2025 12:13:53 PM | | |
| SubDirectory | VY022625 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82Y022525S.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP133161 |
| Initial Calibration Stds | |
| CCC | VP133162,VP133163 |
| Internal Standard/PEM | VP131783 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q1415-04 | B-172-SB02 | VY021337.D | 26 Feb 2025 17:24 | vial-A | SY/MD | Ok,M |
| 20 | Q1415-03 | B-163-SB02 | VY021338.D | 26 Feb 2025 17:48 | vial-A Internal Standard Fail | SY/MD | ReRun |
| 21 | Q1420-07 | TP-2-WC-VOC | VY021339.D | 26 Feb 2025 18:11 | vial-A Internal Standard Fail | SY/MD | ReRun |
| 22 | Q1420-03 | TP-1-WC-VOC | VY021340.D | 26 Feb 2025 18:34 | vial-A | SY/MD | Ok |
| 23 | Q1427-01 | VNJ-227 | VY021341.D | 26 Feb 2025 18:58 | vial-A Surrogate Fail | SY/MD | ReRun |
| 24 | Q1380-07MS | BP-VPB-192-GW-725-7 | VY021342.D | 26 Feb 2025 19:21 | vial-B | SY/MD | ReRun |
| 25 | Q1380-08MSD | BP-VPB-192-GW-725-7 | VY021343.D | 26 Feb 2025 19:43 | vial-B Internal Standard Fail | SY/MD | ReRun |
| 26 | VSTDCCC050 | VSTDCCC050EC | VY021344.D | 26 Feb 2025 20:06 | | SY/MD | Ok,M |

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# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 2/19/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 16:40
**In Date:** 02/18/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:11
**Out Date:** 02/19/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB134739

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q1380-06 | BP-VPB-192-GW-725-727 | 1 | 1.15 | 8.48 | 9.63 | 1.78 | 7.4 | SLUDGE SAMPLE |
| Q1380-07 | Q1380-06MS | 2 | 1.15 | 8.48 | 9.63 | 1.78 | 7.4 | SLUDGE SAMPLE |
| Q1380-08 | Q1380-06MSD | 3 | 1.15 | 8.48 | 9.63 | 1.78 | 7.4 | SLUDGE SAMPLE |
| Q1382-01 | OU4-PCS-TC-01-021725 | 4 | 1.15 | 8.56 | 9.71 | 9.02 | 91.9 | |
| Q1382-03 | OU4-PCS-TC-02-021725 | 5 | 1.15 | 8.59 | 9.74 | 9.03 | 91.7 | |
| Q1382-05 | OU4-PCS-TC-03-021725 | 6 | 1.15 | 8.56 | 9.71 | 9.06 | 92.4 | |
| Q1382-07 | OU4-PCS-TC-04-021725 | 7 | 1.16 | 8.80 | 9.96 | 9.3 | 92.5 | |
| Q1382-09 | OU4-PCS-TC-05-021725 | 8 | 1.16 | 8.65 | 9.81 | 9.12 | 92.0 | |
| Q1382-11 | OU4-PCS-TC-06-021725 | 9 | 1.12 | 8.76 | 9.88 | 9.2 | 92.2 | |
| Q1382-13 | OU4-PCS-TC-07-021725 | 10 | 1.11 | 8.67 | 9.78 | 9.1 | 92.2 | |
| Q1382-15 | OU4-PCS-TC-08-021725 | 11 | 1.19 | 8.61 | 9.8 | 9.16 | 92.6 | |
| Q1382-17 | OU4-PCS-TC-09-021725 | 12 | 1.14 | 8.66 | 9.8 | 9.16 | 92.6 | |
| Q1382-19 | OU4-PCS-TC-10-021725 | 13 | 1.14 | 8.84 | 9.98 | 9.4 | 93.4 | |
| Q1383-01 | OU4-PCS-TC-11-021725 | 14 | 1.17 | 8.74 | 9.91 | 9.26 | 92.6 | |
| Q1383-03 | OU4-PCS-TC-12-021725 | 15 | 1.15 | 8.73 | 9.88 | 9.2 | 92.2 | |
| Q1383-05 | OU4-PCS-TC-13-021725 | 16 | 1.12 | 8.76 | 9.88 | 9.22 | 92.5 | |
| Q1383-07 | OU4-PCS-TC-14-021725 | 17 | 1.18 | 8.58 | 9.76 | 9.08 | 92.1 | |
| Q1383-09 | OU4-PCS-TC-15-021725 | 18 | 1.13 | 8.77 | 9.9 | 9.24 | 92.5 | |
| Q1383-11 | OU4-PCS-TC-16-021725 | 19 | 1.16 | 8.61 | 9.77 | 9.09 | 92.1 | |
| Q1383-13 | OU4-PCS-TC-17-021725 | 20 | 1.19 | 8.58 | 9.77 | 9.03 | 91.4 | |
| Q1383-15 | OU4-PCS-TC-18-021725 | 21 | 1.15 | 8.60 | 9.75 | 9.05 | 91.9 | |
| Q1383-17 | OU4-PCS-TC-19-021725 | 22 | 1.15 | 8.84 | 9.99 | 9.29 | 92.1 | |
| Q1383-19 | OU4-PCS-TC-20-021725 | 23 | 1.13 | 8.67 | 9.8 | 9.12 | 92.2 | |
| Q1383-21 | OU4-CF-15-021725 | 24 | 1.16 | 8.50 | 9.66 | 9.02 | 92.5 | |
| Q1384-01 | OR-03-021823025 | 25 | 1.15 | 8.81 | 9.96 | 8.96 | 88.6 | |
| Q1384-02 | OR-03-021823025-E2 | 26 | 1.17 | 8.82 | 9.99 | 9.04 | 89.2 | |
| Q1385-01 | ST-1 | 27 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | CONCRETE sample |
| Q1385-02 | ST-1-E2 | 28 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | CONCRETE sample |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 2/19/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 16:40
**In Date:** 02/18/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:11
**Out Date:** 02/19/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB134739

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

VB 134739

**WorkList Name :** %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1380-06 | BP-VPB-192-GW-725-727 | Solid | Percent Solids | Cool 4 deg C | TETR06 | H31 | 02/10/2025 | Chemtech -SO |
| Q1380-07 | Q1380-06MS | Solid | Percent Solids | Cool 4 deg C | TETR06 | H31 | 02/10/2025 | Chemtech -SO |
| Q1380-08 | Q1380-06MSD | Solid | Percent Solids | Cool 4 deg C | TETR06 | H31 | 02/10/2025 | Chemtech -SO |
| Q1382-01 | OU4-PCS-TC-01-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1382-03 | OU4-PCS-TC-02-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1382-05 | OU4-PCS-TC-03-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1382-07 | OU4-PCS-TC-04-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1382-09 | OU4-PCS-TC-05-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1382-11 | OU4-PCS-TC-06-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1382-13 | OU4-PCS-TC-07-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1382-15 | OU4-PCS-TC-08-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1382-17 | OU4-PCS-TC-09-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1382-19 | OU4-PCS-TC-10-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1383-01 | OU4-PCS-TC-11-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1383-03 | OU4-PCS-TC-12-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1383-05 | OU4-PCS-TC-13-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1383-07 | OU4-PCS-TC-14-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1383-09 | OU4-PCS-TC-15-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1383-11 | OU4-PCS-TC-16-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1383-13 | OU4-PCS-TC-17-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1383-15 | OU4-PCS-TC-18-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |

**Date/Time** 02/18/25 15:00

**Raw Sample Received by:** TR LWC

**Raw Sample Relinquished by:** CP

**Date/Time** 02/18/25 17:00

**Raw Sample Received by:** CP

**Raw Sample Relinquished by:** LWC

# WORKLIST(Hardcopy Internal Chain)

VB1347 39

**WorkList Name :** %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1383-17 | OU4-PCS-TC-19-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1383-19 | OU4-PCS-TC-20-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1383-21 | OU4-CF-15-021725 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | H31 | 02/17/2025 | Chemtech -SO |
| Q1384-01 | OR-03-021823025 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | N41 | 02/18/2025 | Chemtech -SO |
| Q1384-02 | OR-03-021823025-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | N41 | 02/18/2025 | Chemtech -SO |
| Q1385-01 | ST-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | H21 | 02/18/2025 | Chemtech -SO |
| Q1385-02 | ST-1-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | H21 | 02/18/2025 | Chemtech -SO |

**Date/Time** 02/18/25 15:00

**Raw Sample Received by:** JWC

**Raw Sample Relinquished by:**

**Date/Time** 02/18/25 17:00

**Raw Sample Received by:**

**Raw Sample Relinquished by:**

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

# Prep Standard - Chemical Standard Summary

**Order ID :** Q1382

**Test :** VOCMS Group3

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** vy021925,vy022125,VY022625,

**Standard ID :**
VP130432,VP131767,VP131783,VP132035,VP132036,VP132098,VP132613,VP132614,VP133036,VP133037,VP133080,VP133081,VP133082,VP133100,VP133101,VP133102,VP133161,VP133162,VP133163,

**Chemical ID :**
V13391,V13446,V13466,V13707,V14145,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14754,V14756,V14801,V14814,V14872,V14873,V14874,V14875,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 |
|---|---|---|---|---|---|---|---|---|
| 249 | 8260 Surrogate, 100PPM | VP130432 | 09/20/2024 | 02/28/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 09/26/2024 |

**FROM** 0.10000ml of V13707 + 24.90000ml of V14145 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 218 | BFB, 25PPM | VP131767 | 11/22/2024 | 05/18/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 11/27/2024 |

**FROM** 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1917 | 8260 Internal standard 50 ppm | VP131783 | 11/22/2024 | 05/18/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 11/27/2024 |

**FROM** 0.02000ml of V14289 + 9.98000ml of V14154 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1810 | 8260 Working Std(2-CVE)-800ppm | VP132035 | 12/10/2024 | 06/10/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 12/12/2024 |

**FROM** 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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Fax : 908 789 8922

# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1811 | 8260 Working Std(2-CVE)-500ppm | VP132036 | 12/10/2024 | 06/10/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 12/12/2024 |

**FROM** 7.50000ml of V14614 + 12.50000ml of VP132035 = Final Quantity: 20.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 252 | 8260 Working STD (BCM)-First source, 100PPM | VP132098 | 12/12/2024 | 06/10/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 12/19/2024 |

**FROM** 1.25000ml of V13466 + 23.75000ml of V14614 = 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 |
|---|---|---|---|---|---|---|---|---|
| 257 | 8260 Calibration Working STD Mix-First source, 160PPM | VP132613 | 01/20/2025 | 02/28/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 01/29/2025 |

**FROM** 0.40000ml of V13446 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14722 + 1.00000ml of V14754 + 1.00000ml of V14756 + 1.00000ml of V14801 + 1.00000ml of V14814 + 1.50000ml of V14723 + 1.50000ml of V14724 + 10.60000ml of V14624 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 244 | 8260 Calibration Working STD Mix-First source, 100PPM | VP132614 | 01/20/2025 | 02/28/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 01/29/2025 |

**FROM** 5.62500ml of V14624 + 9.37500ml of VP132613 = Final Quantity: 15.000 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 | VP133036 | 02/14/2025 | 03/13/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 02/18/2025 |

**FROM** 1.00000ml of V14872 + 1.00000ml of V14873 + 1.00000ml of V14874 + 1.00000ml of V14875 + 21.00000ml of V14624 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 56 | 8260 Working STD (Acrolein) -first source, 500PPM | VP133037 | 02/14/2025 | 03/13/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 02/18/2025 |

**FROM** 5.62500ml of V14624 + 9.37500ml of VP133036 = Final Quantity: 15.000 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 |
|---|---|---|---|---|---|---|---|---|
| 732 | BFB TUNE CHECK - SOIL | VP133080 | 02/19/2025 | 02/20/2025 | Romaben Patel | None | None | Mahesh Dadoda 02/19/2025 |

**FROM** 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 773 | 50 PPB CCC, 8260-SOIL | VP133081 | 02/19/2025 | 02/20/2025 | Romaben Patel | None | None | Mahesh Dadoda 02/19/2025 |

**FROM** 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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 |
|---|---|---|---|---|---|---|---|---|
| 773 | 50 PPB CCC, 8260-SOIL | VP133082 | 02/19/2025 | 02/20/2025 | Romaben Patel | None | None | Mahesh Dadoda 02/19/2025 |

**FROM** 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 732 | BFB TUNE CHECK - SOIL | VP133100 | 02/21/2025 | 02/22/2025 | Romaben Patel | None | None | Mahesh Dadoda 02/28/2025 |

**FROM** 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

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 |
|---|---|---|---|---|---|---|---|---|
| 773 | 50 PPB CCC, 8260-SOIL | VP133101 | 02/21/2025 | 02/22/2025 | Romaben Patel | None | None | Mahesh Dadoda 02/28/2025 |

**FROM** 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 773 | 50 PPB CCC, 8260-SOIL | VP133102 | 02/21/2025 | 02/22/2025 | Romaben Patel | None | None | Mahesh Dadoda 02/28/2025 |

**FROM** 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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 |
|---|---|---|---|---|---|---|---|---|
| 732 | BFB TUNE CHECK - SOIL | VP133161 | 02/26/2025 | 02/27/2025 | Romaben Patel | None | None | Mahesh Dadoda 02/28/2025 |

**FROM** 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 773 | 50 PPB CCC, 8260-SOIL | VP133162 | 02/26/2025 | 02/27/2025 | Romaben Patel | None | None | Mahesh Dadoda 02/28/2025 |

**FROM** 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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 |
|---|---|---|---|---|---|---|---|---|
| 773 | 50 PPB CCC, 8260-SOIL | VP133163 | 02/26/2025 | 02/27/2025 | Romaben Patel | None | None | Mahesh Dadoda 02/28/2025 |

**FROM** 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30067 / BFB tuneing solution | A0191805 | 11/22/2025 | 11/22/2024 / SAM | 01/13/2023 / SAM | V13391 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM | A0181905 | 02/28/2025 | 01/10/2025 / SAM | 01/23/2023 / SAM | V13446 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 06/12/2025 | 12/12/2024 / SAM | 01/27/2023 / SAM | V13466 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2] | A0196865 | 06/10/2025 | 06/10/2024 / SAM | 04/12/2023 / SAM | V13707 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 02/28/2025 | 08/29/2024 / SAM | 02/06/2024 / SAM | V14145 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 05/18/2025 | 11/18/2024 / pedro | 02/06/2024 / SAM | V14154 |

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

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021624 | 07/10/2025 | 01/10/2025 / SAM | 02/20/2024 / SAM | V14175 |

| 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 | 07/10/2025 | 01/10/2025 / SAM | 02/20/2024 / SAM | V14176 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555581 / Custom Standard, 8260 Internal Std [CS 5179-1] | A0210184 | 11/22/2025 | 11/22/2024 / SAM | 04/15/2024 / SAM | V14289 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0209618 | 07/10/2025 | 01/10/2025 / SAM | 08/15/2024 / SAM | V14433 |

| 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 | 07/10/2025 | 01/10/2025 / SAM | 08/15/2024 / SAM | V14439 |

| 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 | 07/10/2025 | 01/10/2025 / SAM | 09/18/2024 / SAM | V14521 |

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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. | 95319 / Revised Additions Mix (Min = 5) | 091724 | 07/10/2025 | 01/10/2025 / SAM | 09/18/2024 / SAM | V14522 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 06/10/2025 | 12/10/2024 / SAM | 11/26/2024 / SAM | V14614 |

| 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 | 07/13/2025 | 01/13/2025 / SAM | 11/26/2024 / SAM | V14624 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14630 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14631 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14632 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14633 |

| 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 | 07/10/2025 | 01/10/2025 / SAM | 12/17/2024 / SAM | V14722 |

| 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 | 07/10/2025 | 01/10/2025 / SAM | 12/17/2024 / SAM | V14723 |

| 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 | 07/10/2025 | 01/10/2025 / SAM | 12/17/2024 / SAM | V14724 |

| 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 | 05/31/2031 | 01/10/2025 / SAM | 12/17/2024 / SAM | V14754 |

| 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 | 07/10/2025 | 01/10/2025 / SAM | 12/17/2024 / SAM | V14756 |

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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 | 555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS | A0220563 | 06/30/2026 | 01/10/2025 / SAM | 01/08/2025 / SAM | V14801 |

| 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 | 07/10/2025 | 01/10/2025 / SAM | 01/08/2025 / SAM | V14814 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 021325 | 03/13/2025 | 02/14/2025 / SAM | 02/14/2025 / SAM | V14872 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 021325 | 03/13/2025 | 02/14/2025 / SAM | 02/14/2025 / SAM | V14873 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 021325 | 03/13/2025 | 02/14/2025 / SAM | 02/14/2025 / SAM | V14874 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 021325 | 03/13/2025 | 02/14/2025 / SAM | 02/14/2025 / SAM | V14875 |

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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 | 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

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

Rec 02/14/25

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

**Solvent(s):** **Lot#**
Water 072324Q

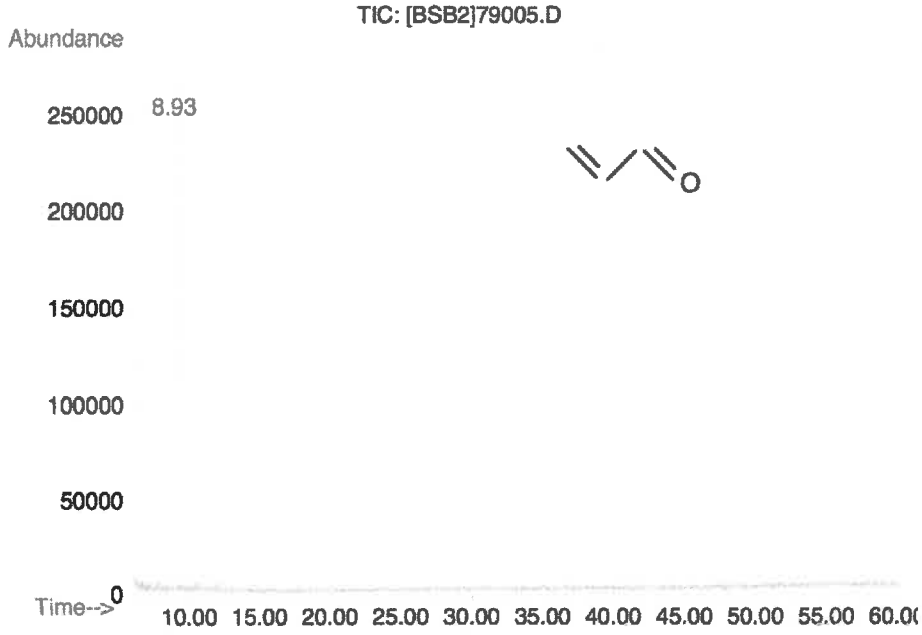
V14872 to
V14876

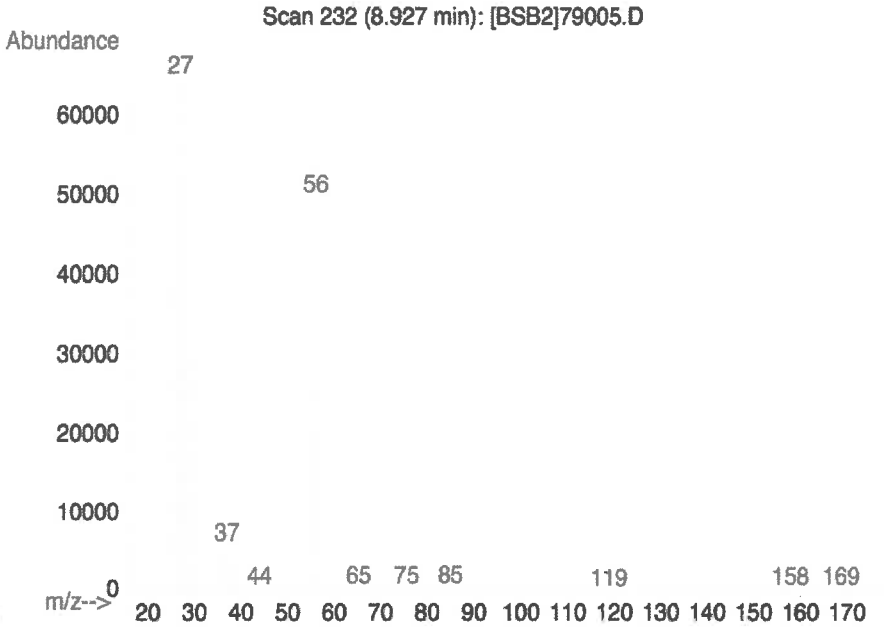
| | | |
|---|---|---|
| | | 021325 |
| Formulated By: | Anthony Mahoney | DATE |
| | | 021325 |
| Reviewed By: | Pedro L. Rentas | DATE |

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05178 | 5011.8 | 52.6 | 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 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 WATER**

| | | | |
|---|---|---|---|
| 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 | **1-352-323-3500** |
| | | Date Prepared/Revised | January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **P271** | **Use in ventilated area** | **H315** | **Causes skin and eye irritation.** |
| **P302,332** | **If on skin, wash with soap and water** | **P280** | **Use gloves, eye protection/face sheild** |
| | | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | % (optional) |
|---|---|---|
| Water | CAS#: 7732-18-5 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |
| **Hazardous Decomposition products** | Carbon oxides |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<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

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|---|---|---|---|
| Boiling Point | 100°C | Specific Gravity (H2O = 1) | 1 |
| Vapor Pressure (mm Hg) | | Melting Point | |

| | | | |
|---|---|---|---|
| | NA | | 0°C |
| Vapor Density (AIR = 1) | NA | Evaporation rate (Butyl Acetate = 1) | NA |

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

## Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

## Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

## 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):** Methanol **Lot#** 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

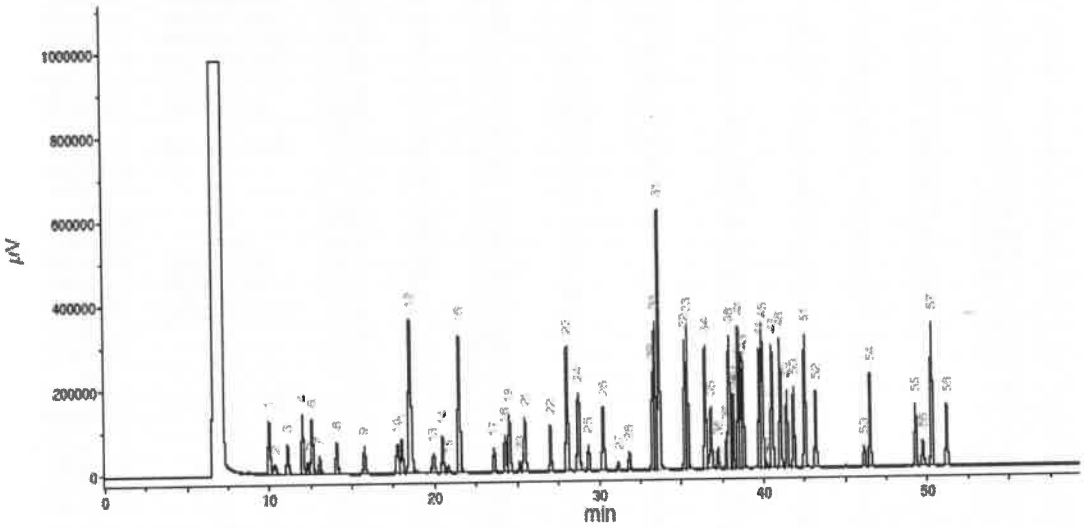
| | Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(µg/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. | Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. | Carbon disulphide | (0060) | MKCR8561 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20023 | 2001.6 | 8.1 | 75-15-0 | 4 ppm (12mg/m3) (skin) | orl-rat 1200mg/kg |
| 4. | cis-1,4-Dichloro-2-butene | (1196) | 14718EF | NA | NA | NA | 2000 | 95 | 0.2 | NA | 0.21058 | 0.21069 | 2001.1 | 8.5 | 1476-11-5 | N/A | N/A |
| 5. | trans-1,4-Dichloro-2-butene | (0486) | MKBP8041V | NA | NA | NA | 2000 | 96.5 | 0.2 | NA | 0.20731 | 0.20748 | 2001.7 | 8.4 | 110-57-6 | N/A | N/A |
| 6. | Diethyl ether | (0153) | IK18CAS0000 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 60-29-7 | N/A | N/A |
| 7. | Ethyl methacrylate | (0361) | 06126PX | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20230 | 2002.3 | 8.2 | 97-63-2 | N/A | orl-rat 14800mg/kg |
| 8. | Iodomethane | (0489) | SHBF8718V | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20121 | 2001.5 | 8.2 | 74-88-4 | 5 ppm(28mg/m3/8H)(skin) | orl-rat 76mg/kg |
| 9. | 2-Methyl-1-propanol | (0445) | 15241EB | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20120 | 2001.4 | 8.1 | 78-83-1 | 50 ppm (150mg/m3/8H) | orl-rat 2460mg/kg |
| 10. | Methacrylonitrile | (0442) | 00427ET | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 126-98-7 | 1 ppm (3mg/m3/8H)(skin) | orl-rat 120mg/kg |
| 11. | Methyl acrylate | (1075) | SHBK0679 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 96-33-3 | 10 ppm(35mg/m3/8H)(skin) | orl-rat 277mg/kg |
| 12. | Methyl methacrylate | (0404) | MKBW5137V | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20041 | 2001.6 | 8.1 | 80-62-6 | 100 ppm (410mg/m3/8H) | orl-rat 7872mg/kg |
| 13. | Nitrobenzene | (0228) | 01213TV | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20220 | 2001.3 | 8.2 | 98-95-3 | 1 ppm (5mg/m3/8H)(skin) | orl-rat 780mg/kg |
| 14. | 2-Nitropropane | (0461) | 14002JX | NA | NA | NA | 2000 | 97.3 | 0.2 | NA | 0.20560 | 0.20577 | 2001.6 | 8.3 | 79-46-9 | 10 ppm (35mg/m3/8H) | orl-rat 720mg/kg |
| 15. | Pentachloroethane | (0450) | HGA01 | NA | NA | NA | 2000 | 98 | 0.2 | NA | 0.20413 | 0.20430 | 2001.6 | 8.3 | 76-01-7 | N/A | N/A |
| 16. | 1,1,2-Trichlorotrifluoroethane | (0474) | 18930 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20225 | 2001.8 | 8.2 | 76-13-1 | 1000 ppm (7600mg/m3/8H) | orl-rat 43g/kg |
| 17. | Bromodichloromethane | 35171 | 101623 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-27-4 | N/A | orl-rat 916mg/kg |
| 18. | Dibromochloromethane | 35171 | 101623 | 0.05 | 5.00 | 40002.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 124-48-1 | N/A | orl-rat 848mg/kg |
| 19. | cis-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 156-59-2 | N/A | N/A |
| 20. | trans-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 156-60-5 | N/A | orl-rat 1235mg/kg |
| 21. | Methylene chloride | 35171 | 101623 | 0.05 | 5.00 | 40002.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-09-2 | 500 ppm | orl-rat 820mg/kg |
| 22. | 1,1-Dichloroethene | 32251 | 102023 | 0.10 | 10.00 | 20001.6 | 2000 | NA | NA | 0.042 | NA | NA | 1999.7 | 20.4 | 75-35-4 | 1 ppm (4mg/m3/8H) | orl-rat 200mg/kg |
| 23. | Bromoform | 95321 | 020724 | 0.10 | 10.00 | 20003.2 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-25-2 | 0.5 ppm (5mg/m3) (skin) | orl-rat 933mg/kg |
| 24. | Carbon tetrachloride | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 56-23-5 | 2 ppm (12.6mg/m3/8H) | orl-rat 2350mg/kg |
| 25. | Chloroform | 95321 | 020724 | 0.10 | 10.00 | 20024.0 | 2000 | NA | NA | 0.042 | NA | NA | 2001.9 | 20.5 | 67-66-3 | 50 ppm (240mg/m3) (CL) | orl-rat 908mg/kg |
| 26. | Dibromomethane | 95321 | 020724 | 0.10 | 10.00 | 20002.9 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 74-95-3 | N/A | orl-rat 108mg/kg |
| 27. | 1,1-Dichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-34-3 | 100 ppm | orl-rat 725mg/kg |
| 28. | 2,2-Dichloropropane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 594-20-7 | N/A | N/A |
| 29. | Tetrachloroethene | 95321 | 020724 | 0.10 | 10.00 | 20201.1 | 2000 | NA | NA | 0.042 | NA | NA | 2019.6 | 20.6 | 127-18-4 | 25 ppm (170mg/m3/8H)(final) | orl-rat 2629mg/kg |
| 30. | 1,1,1-Trichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.0 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 71-55-6 | 350 ppm (1900mg/m3/8H) | orl-rat 10300mg/kg |
| 31. | 1,2-Dibromo-3-chloropropane | 35161 | 112322 | 0.05 | 5.00 | 40016.5 | 2000 | NA | NA | 0.017 | NA | NA | 2000.3 | 22.9 | 96-12-8 | 0.001 ppm | orl-rat 170mg/kg |
| 32. | 1,2-Dibromoethane | 35161 | 112322 | 0.05 | 5.00 | 40024.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.7 | 22.9 | 106-93-4 | 20 ppm (8H) | orl-rat 108mg/kg |
| 33. | 1,2-Dichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40018.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 22.9 | 107-06-2 | 50 ppm (8H) | orl-rat 670mg/kg |
| 34. | 1,2-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40051.0 | 2000 | NA | NA | 0.017 | NA | NA | 2002.0 | 22.9 | 78-87-5 | 75 ppm (350mg/m3/8H) | orl-rat 1947mg/kg |
| 35. | 1,3-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40005.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 142-28-9 | N/A | unr-mus 3600mg/kg |
| 36. | 1,1-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40012.1 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 29.7 | 563-58-6 | N/A | N/A |
| 37. | cis-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40010.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.0 | 23.0 | 10061-01-5 | N/A | N/A |
| 38. | trans-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40017.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 23.0 | 10061-02-6 | N/A | N/A |
| 39. | Hexachloro-1,3-butadiene | 35161 | 112322 | 0.05 | 5.00 | 40021.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.6 | 29.7 | 87-68-3 | 0.02 ppm (0.24mg/m3/8H) | orl-rat 82mg/kg |
| 40. | 1,1,1,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40011.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 22.9 | 630-20-6 | N/A | orl-rat 670mg/kg |
| 41. | 1,1,2,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 79-34-5 | 5 ppm (35mg/m3/8H)(skin) | orl-rat 800mg/kg |
| 42. | 1,1,2-Trichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40006.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 23.0 | 79-00-5 | 10 ppm (46mg/m3/8H)(skin) | orl-rat 836mg/kg |
| 43. | Trichloroethene | 35161 | 112322 | 0.05 | 5.00 | 40029.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.9 | 22.9 | 79-01-6 | 50 ppm (270mg/m3/8H) | orl-mus 2402mg/kg |
| 44. | 1,2,3-Trichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 96-18-4 | 10 ppm (60mg/m3/8H) | orl-rat 149.6mg/kg |
| 45. | Benzene | 35162 | 050823 | 0.05 | 5.00 | 40005.0 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 71-43-2 | 1 ppm | orl-rat 4894mg/kg |
| 46. | Bromobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-86-1 | N/A | orl-rat 2699mg/kg |
| 47. | n-Butyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 104-51-8 | N/A | N/A |
| 48. | Ethyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-41-4 | 100 ppm (435mg/m3/8H) | orl-rat >2000mg/kg |
| 49. | p-Isopropyl toluene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 99-87-6 | N/A | orl-rat 4750mg/kg |
| 50. | Naphthalene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 91-20-3 | 10 ppm (50mg/m3/8H) | orl-rat 490mg/kg |
| 51. | Styrene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-42-5 | 100 ppm | orl-rat 5000mg/kg |
| 52. | Toluene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-88-3 | 200 ppm | orl-rat 5000mg/kg |
| 53. | 1,2,3-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 87-61-6 | N/A | ipr-mus 1390mg/kg |
| 54. | 1,2,4-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 120-82-1 | 5 ppm (CL) (40mg/m3) | orl-rat 750mg/kg |
| 55. | 1,2,4-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40001.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 95-63-6 | N/A | orl-rat 5g/kg |
| 56. | 1,3,5-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-67-8 | N/A | orl-rat 5000mg/kg |
| 57. | m-Xylene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-38-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |
| 58. | tert-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40001.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 98-06-6 | N/A | N/A |
| 59. | sec-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 135-98-8 | N/A | orl-rat 2240mg/kg |
| 60. | Chlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 108-90-7 | 75 ppm (350mg/m3/8H) | orl-rat 2290mg/kg |
| 61. | 2-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40000.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 95-49-8 | 50 ppm (250mg/m3/8H) | orl-rat 3900mg/kg |
| 62. | 4-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40003.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 106-43-4 | N/A | orl-rat 2100mg/kg |
| 63. | 1,2-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 95-50-1 | 50 ppm (300mg/m3) (CL) | orl-rat 500mg/kg |
| 64. | 1,3-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 541-73-1 | N/A | ipr-mus 1062mg/kg |
| 65. | 1,4-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 106-46-7 | 75 ppm (450mg/m3/8H) | orl-rat 500mg/kg |
| 66. | Isopropylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40000.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 98-82-8 | 50 ppm (245mg/m3/8H) | orl-rat 1400mg/kg |
| 67. | n-Propylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 23.0 | 103-65-1 | N/A | orl-rat 6040mg/kg |
| 68. | o-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40040.8 | 2000 | NA | NA | 0.017 | NA | NA | 2001.5 | 23.0 | 95-47-6 | 100 ppm (435mg/m3/8H) | ipr-mus 1364mg/kg |
| 69. | p-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40000.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 106-42-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Run 16, "P95317 L021624 [2000µg/mL in MeOH]"**

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

**Comments**
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3




| Peak # | Name | FID RT (min.) |
|---|---|---|
| 1 | Ether | 9.97 |
| 2 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.33 |
| 3 | 1,1-Dichloroethene | 11.10 |
| 4 | Acetonitrile | 12.00 |
| 5 | Iodomethane | 12.31 |
| 6 | Allyl chloride | 12.56 |
| 7 | Carbon disulfide/Methylene chloride | 13.04 |
| 8 | trans-1,2-Dichloroethene | 14.07 |
| 9 | 1,1-Dichloroethane | 15.74 |
| 10 | 2,2-Dichloropropane | 17.74 |
| 11 | cis-1,2-Dichloroethene | 18.00 |
| 12 | Methacrylonitrile/Methyl acrylate/Chloroform | 18.46 |
| 13 | Isobutanol/1,1,1-Trichloroethane | 19.91 |
| 14 | 1,1-Dichloropropene | 20.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.49 |
| 17 | Trichloroethene | 23.58 |
| 18 | 1,2-Dichloropropane | 24.28 |
| 19 | Methyl methacrylate | 24.52 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.02 |
| 23 | Toluene | 28.05 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethene/1,3-Dichloropropane | 30.24 |
| 27 | Dibromochloromethane | 31.16 |
| 28 | 1,2-Dibromoethane | 31.84 |
| 29 | Chlorobenzene | 33.26 |
| 30 | Ethylbenzene/1,1,1,2-Tetrachloroethane | 33.40 |
| 31 | m-Xylene/p-Xylene | 33.86 |
| 32 | o-Xylene | 35.22 |
| 33 | Styrene | 35.38 |
| 34 | Isopropylbenzene/Bromoform | 36.18 |
| 35 | cis-1,4-Dichloro-2-Butene | 36.80 |
| 36 | 1,1,2,2-Tetrachloroethane | 37.23 |
| 37 | 1,2,3-Trichloropropane | 37.77 |
| 38 | n-Propylbenzene | 37.93 |
| 39 | trans-1,4-Dichloro-2-Butene | 38.05 |
| 40 | Bromobenzene | 38.14 |
| 41 | 1,3,5-Trimethylbenzene | 38.80 |
| 42 | 2-Chlorotoluene | 38.82 |
| 43 | 4-Chlorotoluene | 38.77 |
| 44 | tert-Butylbenzene | 39.76 |
| 45 | 1,2,4-Trimethylbenzene | 39.91 |
| 46 | Pentachloroethane | 40.17 |
| 47 | sec-Butylbenzene | 40.52 |
| 48 | p-Isopropyltoluene | 41.02 |
| 49 | 1,3-Dichlorobenzene | 41.42 |
| 50 | 1,4-Dichlorobenzene | 41.83 |
| 51 | n-Butylbenzene | 42.53 |
| 52 | 1,2-Dichlorobenzene | 43.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.48 |
| 55 | 1,2,4-Trichlorobenzene | 49.26 |
| 56 | Hexachlorobutadiene | 49.72 |
| 57 | Naphthalene | 50.26 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. Hamden CT, 06514 | Emergency Telephone International | **1-352-323-3500** |
| | | Date Prepared/Revised | January 1, 2023 |

## Section II - Hazards Identification

**GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

## CERTIFIED WEIGHT REPORT

**Part Number:** 95317
**Lot Number:** 021624
**Description:** Universal VOA Megamix
69 components
**Expiration Date:** 021627
**Recommended Storage:** Freezer (0 °C)
**Nominal Concentration (µg/mL):** 2000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EG359-USQ12

| | | | |
|---|---|---|---|
| Formulated By: | Prashant Chauhan | 021624 | DATE |
| Reviewed By: | Pedro L. Rentas | 021624 | DATE |

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

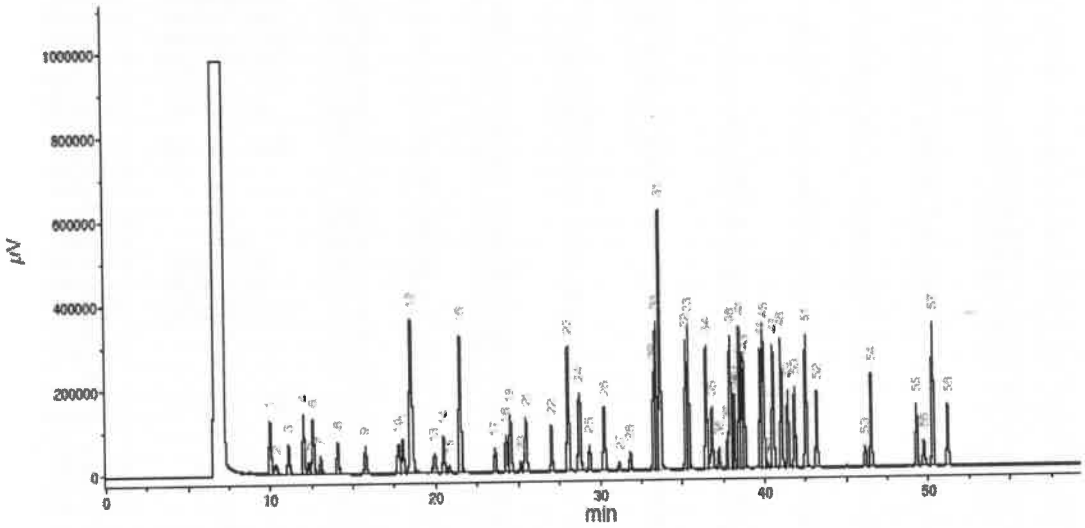
| | Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(µg/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. | Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. | Carbon disulphide | (0060) | MKCR8561 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20023 | 2001.6 | 8.1 | 75-15-0 | 4 ppm (12mg/m3) (skin) | orl-rat 1200mg/kg |
| 4. | cis-1,4-Dichloro-2-butene | (1196) | 14718EF | NA | NA | NA | 2000 | 95 | 0.2 | NA | 0.21058 | 0.21069 | 2001.1 | 8.5 | 1476-11-5 | N/A | N/A |
| 5. | trans-1,4-Dichloro-2-butene | (0486) | MKBP6041V | NA | NA | NA | 2000 | 96.5 | 0.2 | NA | 0.20731 | 0.20748 | 2001.7 | 8.4 | 110-57-6 | N/A | N/A |
| 6. | Diethyl ether | (0153) | IK18CAS0000 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 60-29-7 | N/A | N/A |
| 7. | Ethyl methacrylate | (0361) | 06126PX | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20230 | 2002.3 | 8.2 | 97-63-2 | N/A | orl-rat 14800mg/kg |
| 8. | Iodomethane | (0489) | SHBF8718V | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20121 | 2001.5 | 8.2 | 74-88-4 | 5 ppm(28mg/m3/8H)(skin) | orl-rat 76mg/kg |
| 9. | 2-Methyl-1-propanol | (0445) | 15241EB | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20120 | 2001.4 | 8.1 | 78-83-1 | 50 ppm (150mg/m3/8H) | orl-rat 2460mg/kg |
| 10. | Methacrylonitrile | (0442) | 00427ET | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 126-98-7 | 1 ppm (3mg/m3/8H)(skin) | orl-rat 120mg/kg |
| 11. | Methyl acrylate | (1075) | SHBK0679 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 96-33-3 | 10 ppm(35mg/m3/8H)(skin) | orl-rat 277mg/kg |
| 12. | Methyl methacrylate | (0404) | MKBW5137V | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20041 | 2001.6 | 8.1 | 80-62-6 | 100 ppm (410mg/m3/8H) | orl-rat 7872mg/kg |
| 13. | Nitrobenzene | (0228) | 01213TV | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20220 | 2001.3 | 8.2 | 98-95-3 | 1 ppm (5mg/m3/8H)(skin) | orl-rat 780mg/kg |
| 14. | 2-Nitropropane | (0461) | 14002JX | NA | NA | NA | 2000 | 97.3 | 0.2 | NA | 0.20560 | 0.20577 | 2001.6 | 8.3 | 79-46-9 | 10 ppm (35mg/m3/8H) | orl-rat 720mg/kg |
| 15. | Pentachloroethane | (0450) | HGA01 | NA | NA | NA | 2000 | 98 | 0.2 | NA | 0.20413 | 0.20430 | 2001.6 | 8.3 | 76-01-7 | N/A | N/A |
| 16. | 1,1,2-Trichlorotrifluoroethane | (0474) | 18930 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20225 | 2001.8 | 8.2 | 76-13-1 | 1000 ppm (7600mg/m3/8H) | orl-rat 43g/kg |
| 17. | Bromodichloromethane | 35171 | 101623 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-27-4 | N/A | orl-rat 916mg/kg |
| 18. | Dibromochloromethane | 35171 | 101623 | 0.05 | 5.00 | 40002.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 124-48-1 | N/A | orl-rat 848mg/kg |
| 19. | cis-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 156-59-2 | N/A | N/A |
| 20. | trans-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 156-60-5 | N/A | orl-rat 1235mg/kg |
| 21. | Methylene chloride | 35171 | 101623 | 0.05 | 5.00 | 40002.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-09-2 | 500 ppm | orl-rat 820mg/kg |
| 22. | 1,1-Dichloroethene | 32251 | 102023 | 0.10 | 10.00 | 20001.6 | 2000 | NA | NA | 0.042 | NA | NA | 1999.7 | 20.4 | 75-35-4 | 1 ppm (4mg/m3/8H) | orl-rat 200mg/kg |
| 23. | Bromoform | 95321 | 020724 | 0.10 | 10.00 | 20003.2 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-25-2 | 0.5 ppm (5mg/m3) (skin) | orl-rat 933mg/kg |
| 24. | Carbon tetrachloride | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 56-23-5 | 2 ppm (12.6mg/m3/8H) | orl-rat 2350mg/kg |
| 25. | Chloroform | 95321 | 020724 | 0.10 | 10.00 | 20024.0 | 2000 | NA | NA | 0.042 | NA | NA | 2001.9 | 20.5 | 67-66-3 | 50 ppm (240mg/m3) (CL) | orl-rat 908mg/kg |
| 26. | Dibromomethane | 95321 | 020724 | 0.10 | 10.00 | 20002.9 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 74-95-3 | N/A | orl-rat 108mg/kg |
| 27. | 1,1-Dichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-34-3 | 100 ppm | orl-rat 725mg/kg |
| 28. | 2,2-Dichloropropane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 594-20-7 | N/A | N/A |
| 29. | Tetrachloroethene | 95321 | 020724 | 0.10 | 10.00 | 20201.1 | 2000 | NA | NA | 0.042 | NA | NA | 2019.6 | 20.6 | 127-18-4 | 25 ppm (170mg/m3/8H)(final) | orl-rat 2629mg/kg |
| 30. | 1,1,1-Trichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.0 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 71-55-6 | 350 ppm (1900mg/m3/8H) | orl-rat 10300mg/kg |
| 31. | 1,2-Dibromo-3-chloropropane | 35161 | 112322 | 0.05 | 5.00 | 40016.5 | 2000 | NA | NA | 0.017 | NA | NA | 2000.3 | 22.9 | 96-12-8 | 0.001 ppm | orl-rat 170mg/kg |
| 32. | 1,2-Dibromoethane | 35161 | 112322 | 0.05 | 5.00 | 40024.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.7 | 22.9 | 106-93-4 | 20 ppm (8H) | orl-rat 108mg/kg |
| 33. | 1,2-Dichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40018.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 22.9 | 107-06-2 | 50 ppm (8H) | orl-rat 670mg/kg |
| 34. | 1,2-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40051.0 | 2000 | NA | NA | 0.017 | NA | NA | 2002.0 | 22.9 | 78-87-5 | 75 ppm (350mg/m3/8H) | orl-rat 1947mg/kg |
| 35. | 1,3-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40005.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 142-28-9 | N/A | unr-mus 3600mg/kg |
| 36. | 1,1-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40012.1 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 29.7 | 563-58-6 | N/A | N/A |
| 37. | cis-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40010.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.0 | 23.0 | 10061-01-5 | N/A | N/A |
| 38. | trans-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40017.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 23.0 | 10061-02-6 | N/A | N/A |
| 39. | Hexachloro-1,3-butadiene | 35161 | 112322 | 0.05 | 5.00 | 40021.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.6 | 29.7 | 87-68-3 | 0.02 ppm (0.24mg/m3/8H) | orl-rat 82mg/kg |
| 40. | 1,1,1,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40011.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 22.9 | 630-20-6 | N/A | orl-rat 670mg/kg |
| 41. | 1,1,2,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 79-34-5 | 5 ppm (35mg/m3/8H)(skin) | orl-rat 800mg/kg |
| 42. | 1,1,2-Trichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40006.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 23.0 | 79-00-5 | 10 ppm (46mg/m3/8H)(skin) | orl-rat 836mg/kg |
| 43. | Trichloroethene | 35161 | 112322 | 0.05 | 5.00 | 40029.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.9 | 22.9 | 79-01-6 | 50 ppm (270mg/m3/8H) | orl-mus 2402mg/kg |
| 44. | 1,2,3-Trichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 96-18-4 | 10 ppm (60mg/m3/8H) | orl-rat 149.6mg/kg |
| 45. | Benzene | 35162 | 050823 | 0.05 | 5.00 | 40005.0 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 71-43-2 | 1 ppm | orl-rat 4894mg/kg |
| 46. | Bromobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-86-1 | N/A | orl-rat 2699mg/kg |
| 47. | n-Butyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 104-51-8 | N/A | N/A |
| 48. | Ethyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-41-4 | 100 ppm (435mg/m3/8H) | orl-rat >2000mg/kg |
| 49. | p-Isopropyl toluene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 99-87-6 | N/A | orl-rat 4750mg/kg |
| 50. | Naphthalene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 91-20-3 | 10 ppm (50mg/m3/8H) | orl-rat 490mg/kg |
| 51. | Styrene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-42-5 | 100 ppm | orl-rat 5000mg/kg |
| 52. | Toluene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-88-3 | 200 ppm | orl-rat 5000mg/kg |
| 53. | 1,2,3-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 87-61-6 | N/A | ipr-mus 1390mg/kg |
| 54. | 1,2,4-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 120-82-1 | 5 ppm (CL) (40mg/m3) | orl-rat 756mg/kg |
| 55. | 1,2,4-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40001.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 95-63-6 | N/A | orl-rat 5g/kg |
| 56. | 1,3,5-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-67-8 | N/A | orl-rat 5000mg/kg |
| 57. | m-Xylene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-38-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |
| 58. | tert-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40001.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 98-06-6 | N/A | N/A |
| 59. | sec-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 135-98-8 | N/A | orl-rat 2240mg/kg |
| 60. | Chlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 108-90-7 | 75 ppm (350mg/m3/8H) | orl-rat 2290mg/kg |
| 61. | 2-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40000.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 95-49-8 | 50 ppm (250mg/m3/8H) | orl-rat 3900mg/kg |
| 62. | 4-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40003.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 106-43-4 | N/A | orl-rat 2100mg/kg |
| 63. | 1,2-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 95-50-1 | 50 ppm (300mg/m3) (CL) | orl-rat 500mg/kg |
| 64. | 1,3-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 541-73-1 | N/A | ipr-mus 1062mg/kg |
| 65. | 1,4-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 106-46-7 | 75 ppm (450mg/m3/8H) | orl-rat 500mg/kg |
| 66. | Isopropylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40000.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 98-82-8 | 50 ppm (245mg/m3/8H) | orl-rat 1400mg/kg |
| 67. | n-Propylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 23.0 | 103-65-1 | N/A | orl-rat 6040mg/kg |
| 68. | o-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40040.8 | 2000 | NA | NA | 0.017 | NA | NA | 2001.5 | 23.0 | 95-47-6 | 100 ppm (435mg/m3/8H) | ipr-mus 1364mg/kg |
| 69. | p-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40000.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 106-42-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Run 16, "P95317 L021624 [2000µg/mL in MeOH]"**

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

**Comments**
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3




| Peak # | Name | FID RT (min.) |
|---|---|---|
| 1 | Ether | 9.97 |
| 2 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.33 |
| 3 | 1,1-Dichloroethene | 11.10 |
| 4 | Acetonitrile | 12.00 |
| 5 | Iodomethane | 12.31 |
| 6 | Allyl chloride | 12.56 |
| 7 | Carbon disulfide/Methylene chloride | 13.04 |
| 8 | trans-1,2-Dichloroethene | 14.07 |
| 9 | 1,1-Dichloroethane | 15.74 |
| 10 | 2,2-Dichloropropane | 17.74 |
| 11 | cis-1,2-Dichloroethene | 18.00 |
| 12 | Methacrylonitrile/Methyl acrylate/Chloroform | 18.46 |
| 13 | Isobutanol/1,1,1-Trichloroethane | 19.91 |
| 14 | 1,1-Dichloropropene | 20.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.49 |
| 17 | Trichloroethene | 23.58 |
| 18 | 1,2-Dichloropropane | 24.28 |
| 19 | Methyl methacrylate | 24.52 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.02 |
| 23 | Toluene | 28.05 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethene/1,3-Dichloropropane | 30.24 |
| 27 | Dibromochloromethane | 31.16 |
| 28 | 1,2-Dibromoethane | 31.84 |
| 29 | Chlorobenzene | 33.26 |
| 30 | Ethylbenzene/1,1,1,2-Tetrachloroethane | 33.40 |
| 31 | m-Xylene/p-Xylene | 33.86 |
| 32 | o-Xylene | 35.22 |
| 33 | Styrene | 35.38 |
| 34 | Isopropylbenzene/Bromoform | 36.18 |
| 35 | cis-1,4-Dichloro-2-Butene | 36.80 |
| 36 | 1,1,2,2-Tetrachloroethane | 37.23 |
| 37 | 1,2,3-Trichloropropane | 37.77 |
| 38 | n-Propylbenzene | 37.93 |
| 39 | trans-1,4-Dichloro-2-Butene | 38.05 |
| 40 | Bromobenzene | 38.14 |
| 41 | 1,3,5-Trimethylbenzene | 38.80 |
| 42 | 2-Chlorotoluene | 38.82 |
| 43 | 4-Chlorotoluene | 38.77 |
| 44 | tert-Butylbenzene | 39.76 |
| 45 | 1,2,4-Trimethylbenzene | 39.91 |
| 46 | Pentachloroethane | 40.17 |
| 47 | sec-Butylbenzene | 40.52 |
| 48 | p-Isopropyltoluene | 41.02 |
| 49 | 1,3-Dichlorobenzene | 41.42 |
| 50 | 1,4-Dichlorobenzene | 41.83 |
| 51 | n-Butylbenzene | 42.53 |
| 52 | 1,2-Dichlorobenzene | 43.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.48 |
| 55 | 1,2,4-Trichlorobenzene | 49.26 |
| 56 | Hexachlorobutadiene | 49.72 |
| 57 | Naphthalene | 50.26 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. Hamden CT, 06514 | Emergency Telephone International | **1-352-323-3500** |
| | | Date Prepared/Revised | January 1, 2023 |

## Section II - Hazards Identification

**GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

**Certified Reference Material CRM**

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
**Lot Number:** 091424
**Description:** Acrolein

**Solvent(s):** Water **Lot#** 072324Q

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

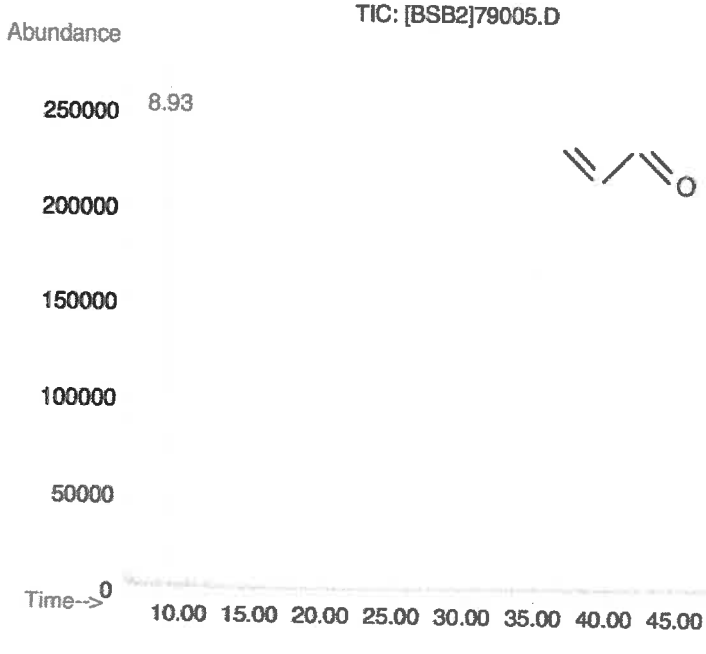
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

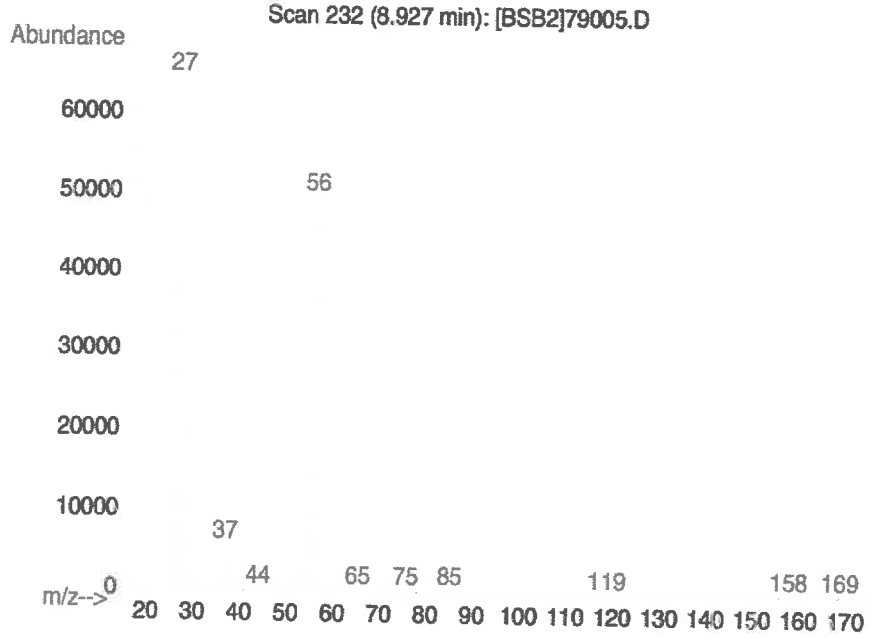
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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 09/16/24 2 Vials

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AR-1539 Certificate Numb
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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

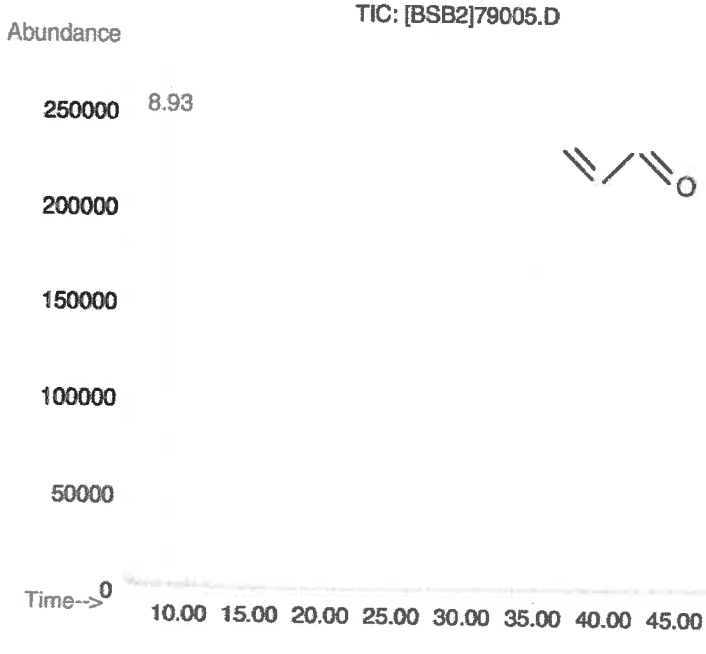
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

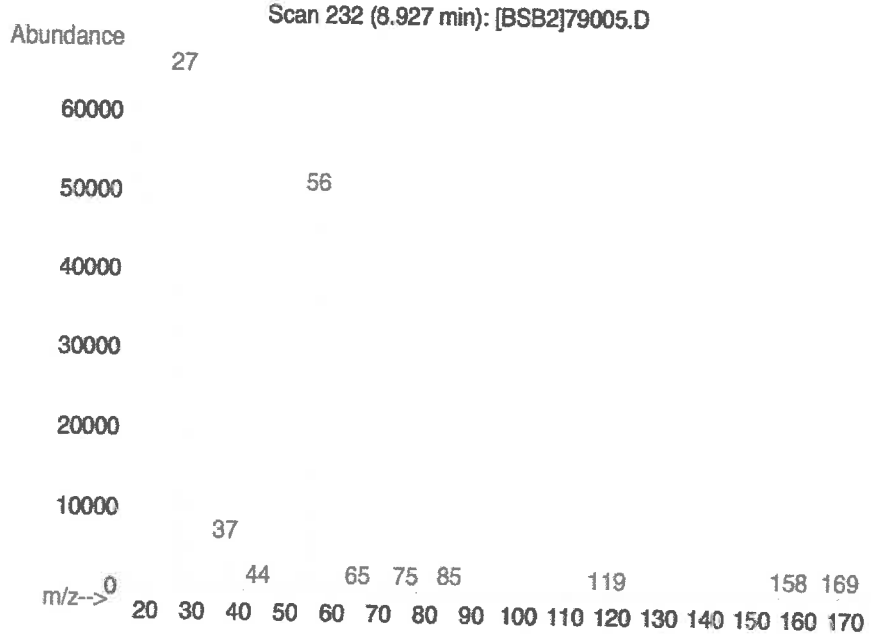
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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.

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- 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.
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***Certified Reference Material CRM***

Dec 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

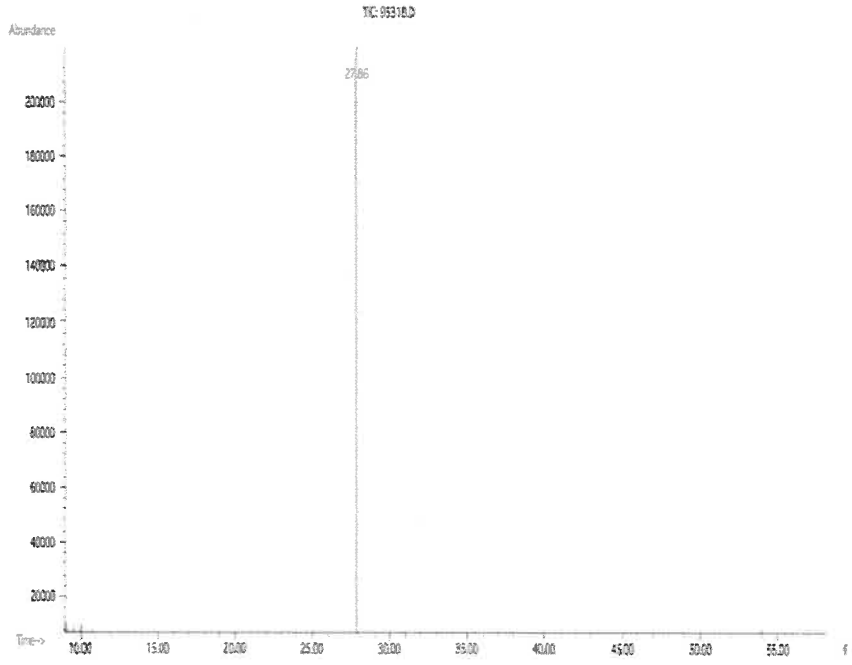
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

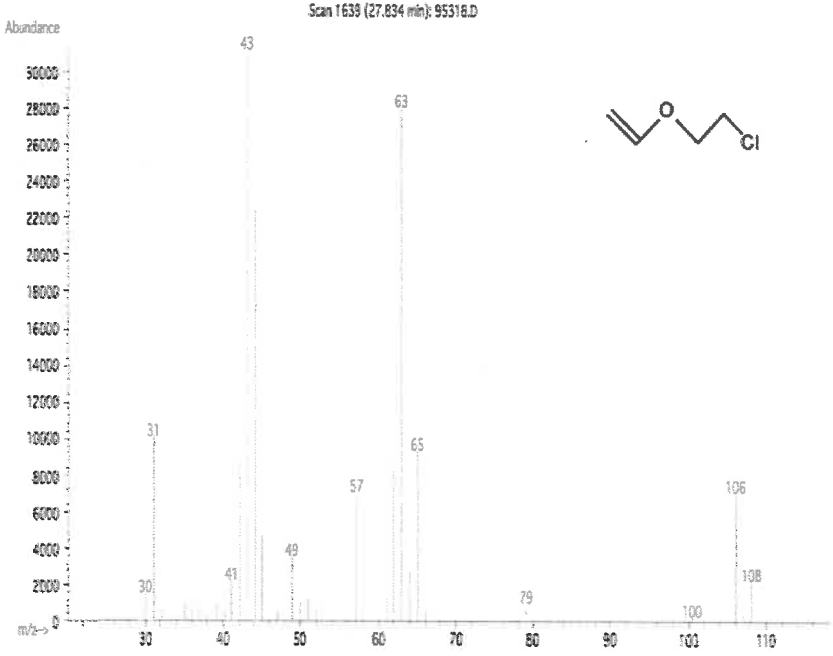
Weight(s) shown below were combined and diluted to (mL): 50.0

| | |
|---|---|
| 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.







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- 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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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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*Certified 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

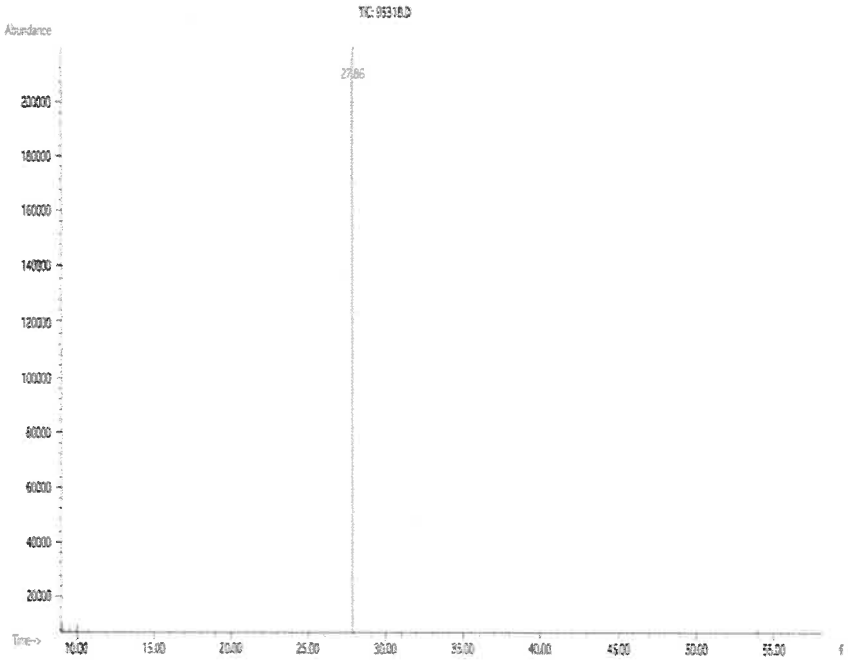
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

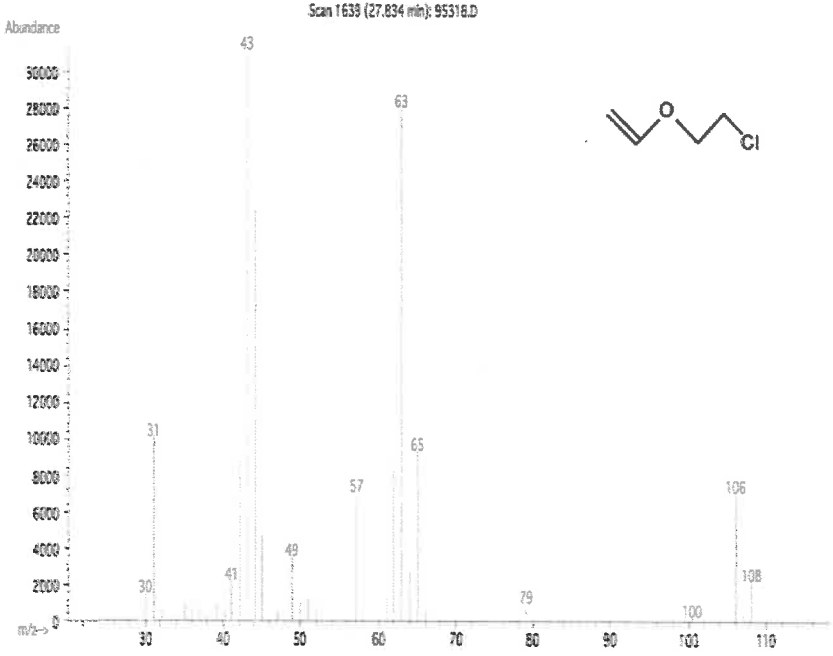
Weight(s) shown below were combined and diluted to (mL): 50.0

| | |
|---|---|
| Prashant Chauhan | 120524 |
| Formulated By: Prashant Chauhan | DATE |
| Pedro L. 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.







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Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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. :** 30470 **Lot No.:** A0181905

**Description :** tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2025 **Storage:** 0°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | tert-Butanol (TBA) | 50,126.0 µg/mL | +/- 293.4988 µg/mL | Gravimetric |
| | **CAS #** 75-65-0 (Lot SHBM7694) | | +/- 1,073.7654 µg/mL | Unstressed |
| | **Purity** 99% | | +/- 1,104.9494 µg/mL | Stressed |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

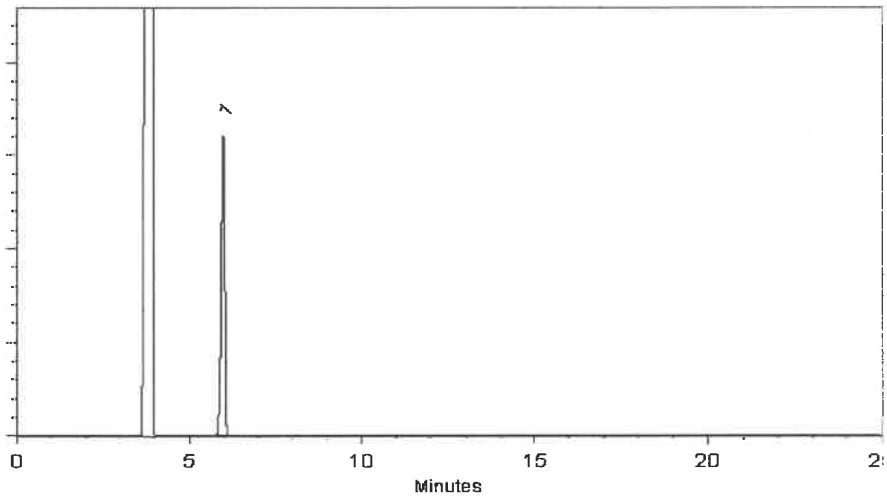
**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

**Date Mixed:** 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

**Date Passed:** 21-Feb-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

**General Certified Reference Material Notes**

**Expiration Notes:**

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

**Purity Notes:**

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

**Certified Uncertainty Value Notes:**

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

$k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions | Standard Conditions | Non-Standard Conditions |
|---|---|---|
| 25°C Nominal (Room Temperature) | < 60°C | ≥ 60°C up to 7 days |
| 10°C or colder (Refrigerate) | < 40°C | ≥ 40°C up to 7 days |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C | ≥ 25°C up to 7 days |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

**Manufacturing Notes:**

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

**Handling Notes:**

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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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.)

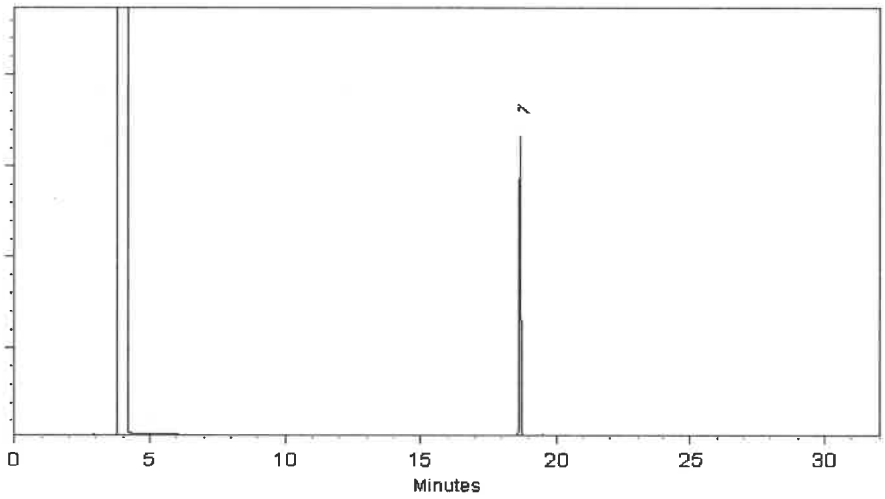
**Inj. Temp:**
200°C

**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

*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. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Bromochloromethane | 74-97-5 | 00008541 | 99% | 2,018.0 µg/mL | +/- 113.3890 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

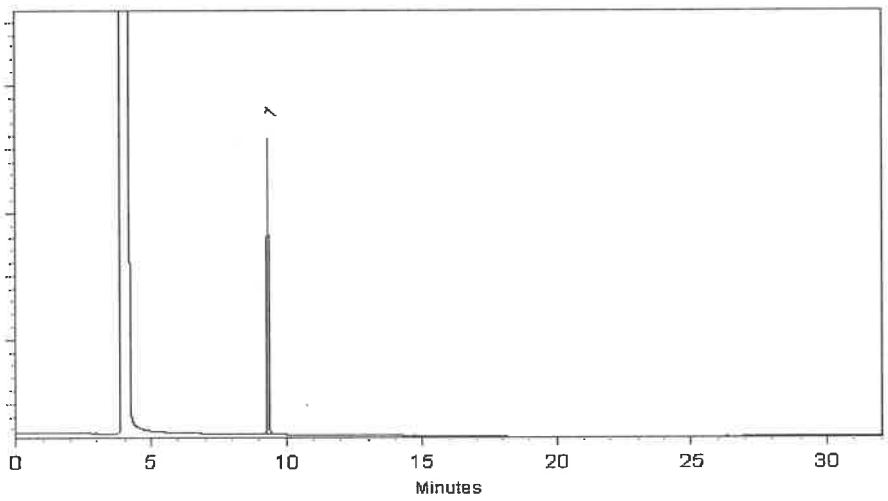
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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.
- 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

*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. :** 30489 **Lot No.:** A0209618

**Description :** 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Methyl acetate | 79-20-9 | SHBP3100 | 99% | 2,019.3 µg/mL | +/- 69.7974 |
| 2 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 2,016.8 µg/mL | +/- 69.7112 |
| 3 | Ethyl acetate | 141-78-6 | SHBQ9682 | 99% | 2,010.7 µg/mL | +/- 69.4979 |
| 4 | Isopropyl acetate | 108-21-4 | BCCG7069 | 99% | 2,016.0 µg/mL | +/- 69.6822 |
| 5 | Propyl acetate | 109-60-4 | P8XLN | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 6 | Butyl acetate | 123-86-4 | SHBP6314 | 99% | 2,007.3 µg/mL | +/- 69.3826 |
| 7 | Amyl acetate | 628-63-7 | 41325/1 | 97% | 2,004.7 µg/mL | +/- 69.2905 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

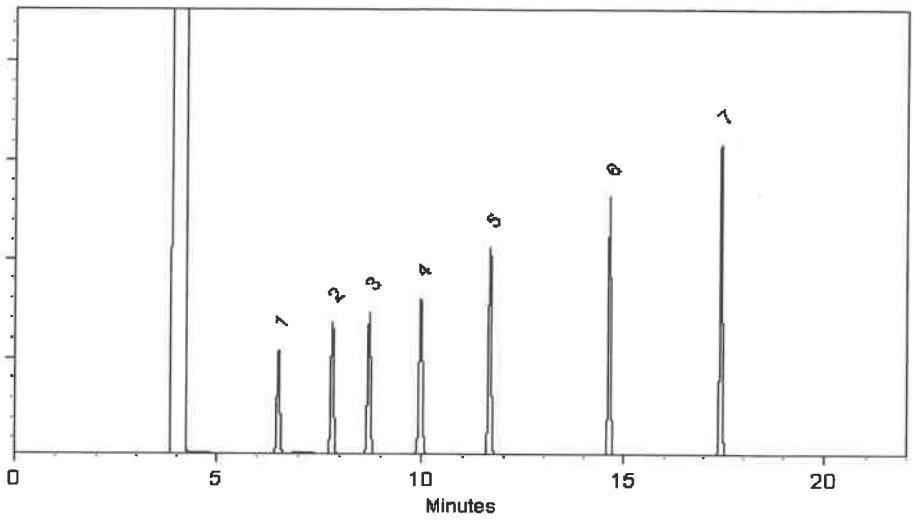
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

**Date Passed:** 01-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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

*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. :** 30489 **Lot No.:** A0209618

**Description :** 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Methyl acetate | 79-20-9 | SHBP3100 | 99% | 2,019.3 µg/mL | +/- 69.7974 |
| 2 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 2,016.8 µg/mL | +/- 69.7112 |
| 3 | Ethyl acetate | 141-78-6 | SHBQ9682 | 99% | 2,010.7 µg/mL | +/- 69.4979 |
| 4 | Isopropyl acetate | 108-21-4 | BCCG7069 | 99% | 2,016.0 µg/mL | +/- 69.6822 |
| 5 | Propyl acetate | 109-60-4 | P8XLN | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 6 | Butyl acetate | 123-86-4 | SHBP6314 | 99% | 2,007.3 µg/mL | +/- 69.3826 |
| 7 | Amyl acetate | 628-63-7 | 41325/1 | 97% | 2,004.7 µg/mL | +/- 69.2905 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

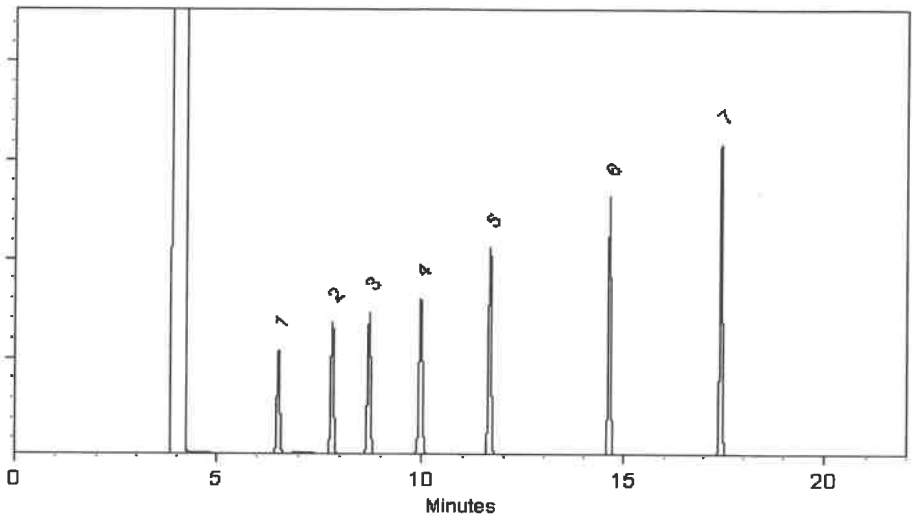
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

**Date Passed:** 01-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***gravimetric***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555581 **Lot No.:** A0210184

**Description :** Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2027 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 25,212.0 µg/mL | +/- 1,427.8857 |
| 2 | 1,4-Difluorobenzene | 540-36-3 | MKCS8657 | 99% | 25,220.0 µg/mL | +/- 1,428.3388 |
| 3 | Chlorobenzene-d5 | 3114-55-4 | PR-31132 | 99% | 25,116.0 µg/mL | +/- 1,422.4487 |
| 4 | Pentafluorobenzene | 363-72-4 | MKCR9383 | 99% | 25,180.0 µg/mL | +/- 1,426.0734 |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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# Certificate of Analysis

***chromatographic plus***

V14697-to-14726

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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. :** 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.)

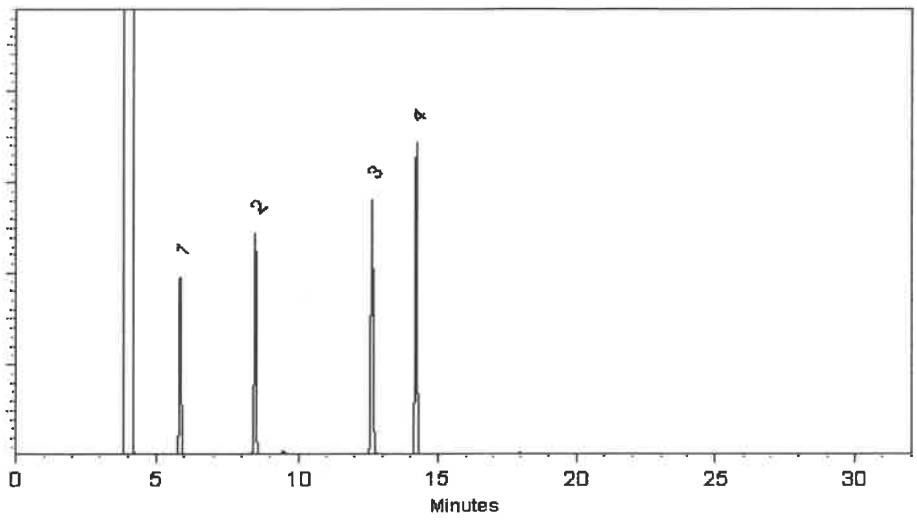
**Inj. Temp:**
200°C

**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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CERTIFIED REFERENCE MATERIAL

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# Certificate of Analysis

***chromatographic plus***

V14697-to-14726

ACCREDITED
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Certificate #3222.01

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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. :** 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.)

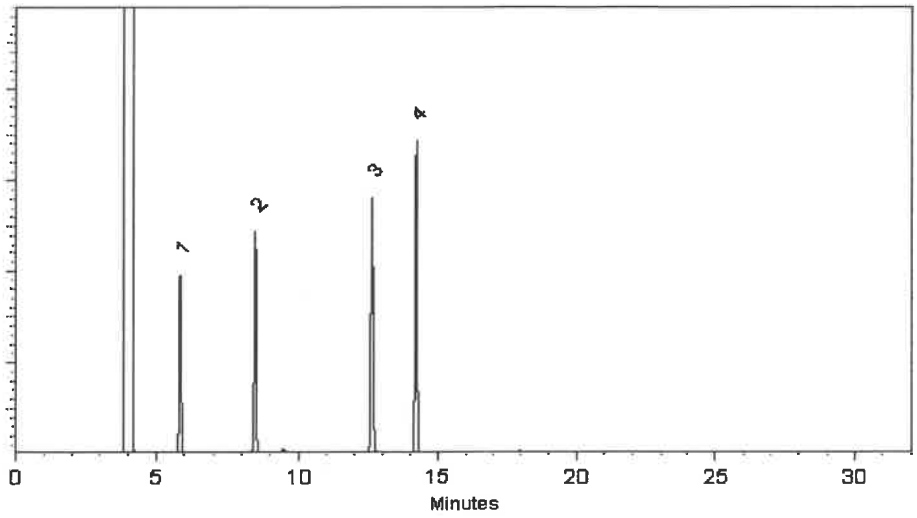
**Inj. Temp:**
200°C

**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.
- 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

30 V.4

# Certificate of Analysis

***chromatographic plus***

V14697-to-14726

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. :** 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.)

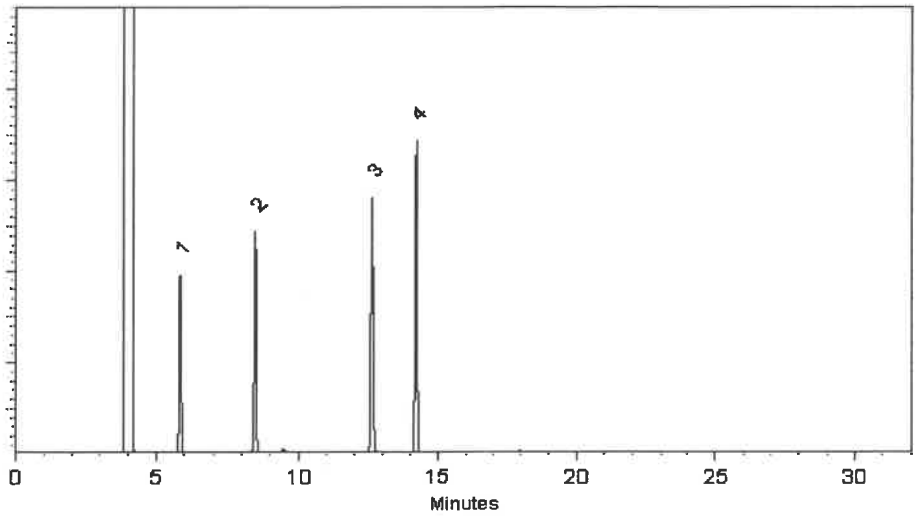
**Inj. Temp:**
200°C

**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.
- 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
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30042 **Lot No.:** 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.

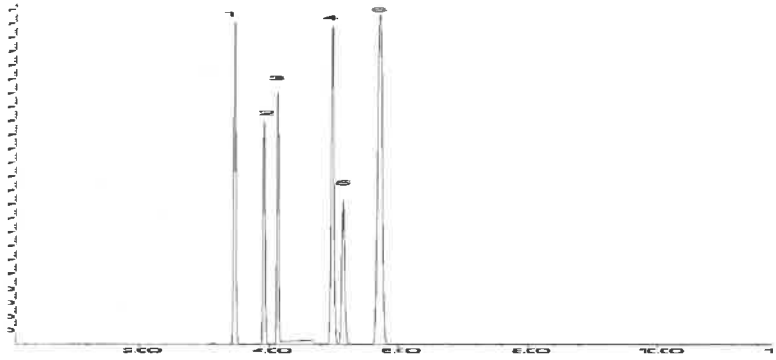
**Inj. Temp:**
200°C

**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.

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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 Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30042 **Lot No.:** 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.

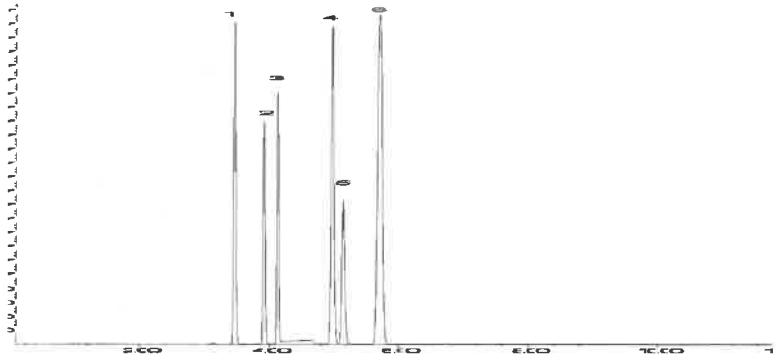
**Inj. Temp:**
200°C

**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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Zoey Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic*

V14803 - V14822

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. :** 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.)

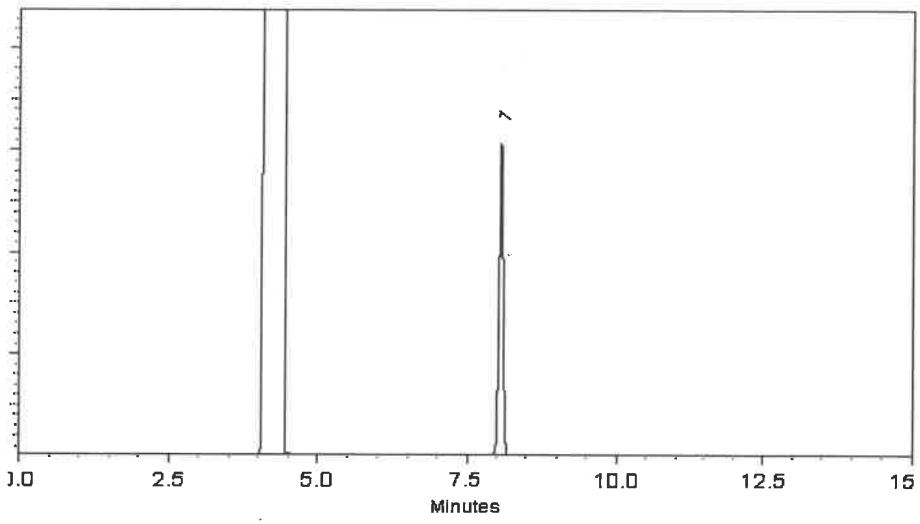
**Inj. Temp:**
200°C

**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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

10 vial Rec 01/08/25

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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*

V14793 to 14802

**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-FL **Lot No.:** A0220563

**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% | 8,060.0 µg/mL | +/- 278.5905 |

* 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.)

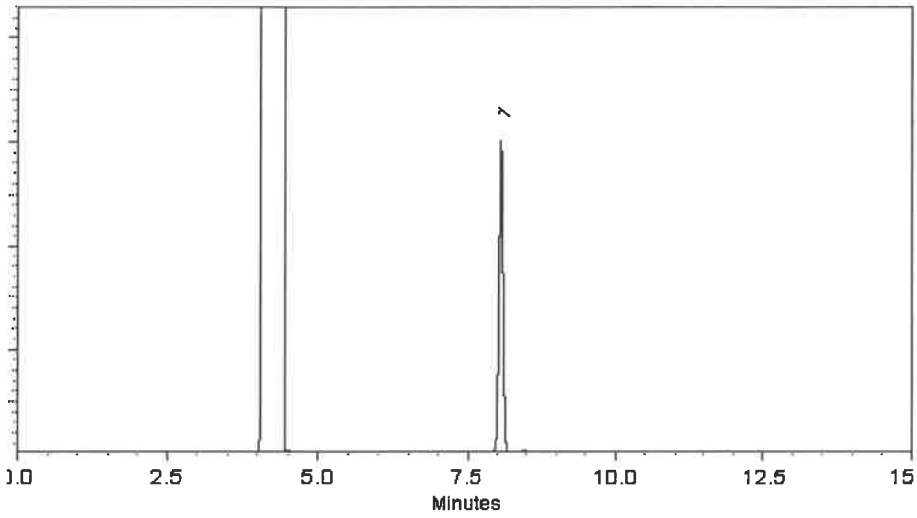
**Inj. Temp:**
200°C

**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.

Tom Suckar - Mix Technician

**Date Mixed:** 30-Dec-2024 **Balance Serial #** B345965662

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:

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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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Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($CH_3OH$) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
| Residue after Evaporation | ≤ 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.03 |
| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis - Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($CH_3OH$) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
| Residue after Evaporation | ≤ 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.03 |
| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis - Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

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

# Preservation Log

**BalanceID:** VOC-SC-2

**Review By:** pedro

**Supervise By:** MMDadoda

| Seq | LabID | Vial A Weight(g)= Total Wt-Tare Wt | Vial A Time | Vial B Weight(g)= Total Wt-Tare Wt | Vial B Time | Vial C Weight(g) Preserve with MeOH | Vial C Time | Methanol ID | Preservation Date | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Q1382-01 | 38.07-32.56=5.51 | 11:23 | 37.50-32.24=5.26 | 11:24 | 34.97-30.14=4.83 | 11:25 | V14143 | 02/19/2025 | 8260 TERRACORE SAMPLES |
| 2 | Q1382-03 | 38.02-32.43=5.59 | 11:26 | 38.03-32.27=5.76 | 11:27 | 34.56-29.98=4.58 | 11:28 | V14143 | 02/19/2025 | |
| 3 | Q1382-05 | 37.71-32.29=5.42 | 11:29 | 0-0=0 | 11:30 | 35.33-30.27=5.06 | 11:31 | V14143 | 02/19/2025 | |
| 4 | Q1382-07 | 38.21-32.60=5.61 | 11:32 | 37.93-32.36=5.57 | 11:33 | 25.63-30.05=-4.42 | 11:34 | V14143 | 02/19/2025 | |
| 5 | Q1382-09 | 39.09-33.21=5.88 | 11:35 | 39.14-33.26=5.88 | 11:36 | 34.20-30.70=3.5 | 11:37 | V14143 | 02/19/2025 | |
| 6 | Q1382-11 | 38.99-33.24=5.75 | 11:38 | 39.08-33.13=5.95 | 11:39 | 34.60-30.78=3.82 | 11:40 | V14143 | 02/19/2025 | |
| 7 | Q1382-13 | 38.90-33.12=5.78 | 11:41 | 38.28-32.28=6 | 11:42 | 34.30-30.73=3.57 | 11:43 | V14143 | 02/19/2025 | |
| 8 | Q1382-15 | 39.01-33.23=5.78 | 11:44 | 38.93-33.10=5.83 | 11:45 | 34.93-30.72=4.21 | 11:46 | V14143 | 02/19/2025 | |
| 9 | Q1382-17 | 37.35-33.10=4.25 | 11:47 | 38.96-33.19=5.77 | 11:48 | 34.27-30.72=3.55 | 11:49 | V14143 | 02/19/2025 | |
| 10 | Q1382-19 | 38.39-33.16=5.23 | 11:50 | 39.09-33.14=5.95 | 11:51 | 34.97-30.71=4.26 | 11:52 | V14143 | 02/19/2025 | |

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

# SHIPPING DOCUMENTS

Q1382

# Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020



| | |
|---|---|
| Company Name: | Nobis Group |
| Address: | 55 Technology Dr Suite 101, Lowell, MA 01851 |
| Phone: | 978-703-6014 |
| Project Name: | Raymark |
| Project Location: | Stratford, CT |
| Project Number: | 95700 |
| Project Manager: | Adam Roy |
| Con-Test Quote Name/Number: | |
| Invoice Recipient: | |
| Sampled By: | A. Brittingham |

**Requested Turnaround Time**
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

**Rush-Approval Required**
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

**Data Delivery**
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

**Dissolved Metals Samples**
○ Field Filtered
○ Lab to Filter

**Orthophosphate Samples**
○ Field Filtered
○ Lab to Filter

**PCB ONLY**
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | COMP/GRAB | [1]Matrix Code | Conc Code | VIALS | GLASS | PLASTIC | BACTERIA | ENCORE | M/O | RCP VOCs | % Solids | PAHs | Herbicides | Pesticides | PCBs | Metals ICP + Hg - 6010 | Cyanide | SPLP RCP Metals - 6020 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OU4-PCS-TC-01-021725 | 2/17/25 | 8:30 | G | SO | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X | |
| | OU4-PCS-TC-02-021725 | 2/17/25 | 8:35 | G | SO | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X | |
| | OU4-PCS-TC-03-021725 | 2/17/25 | 8:40 | G | SO | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X | |
| | OU4-PCS-TC-04-021725 | 2/17/25 | 8:45 | G | SO | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X | |
| | OU4-PCS-TC-05-021725 | 2/17/25 | 8:50 | G | SO | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X | |
| | OU4-PCS-TC-06-021725 | 2/17/25 | 8:55 | G | SO | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X | |
| | OU4-PCS-TC-07-021725 | 2/17/25 | 9:00 | G | SO | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X | |
| | OU4-PCS-TC-08-021725 | 2/17/25 | 9:05 | G | SO | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X | |
| | OU4-PCS-TC-09-021725 | 2/17/25 | 9:10 | G | SO | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X | |
| | OU4-PCS-TC-10-021725 | 2/17/25 | 9:15 | G | SO | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X | |
| | | | | | | | | | | | | | | | | | | | | | | |

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
**GW** = Ground Water
**WW** = Waste Water
**DW** = Drinking Water
**A** = Air
**S** = Soil
**SL** = Sludge
**SOL** = Solid
**O** = Other (please define)

[2] **Preservation Codes:**
**I** = Iced
**H** = HCL
**M** = Methanol
**N** = Nitric Acid
**S** = Sulfuric Acid
**B** = Sodium Bisulfate
**X** = Sodium Hydroxide
**T** = Sodium Thiosulfate
**O** = Other (please define)

| | |
|---|---|
| Relinquished by: (signature) | Date/Time: 2/17/25 1200 |
| Received by: (signature) | Date/Time: 2-18-25 1025 |
| Relinquished by: (signature) | Date/Time: |
| Received by: (signature) | Date/Time: |
| Relinquished by: (signature) | Date/Time: |
| Received by: (signature) | Date/Time: |
| Relinquished by: (signature) | Date/Time: |
| Received by: (signature) | Date/Time: |

**Client Comments:**

**Detection Limit Requirements**
MA
CT
Other:

**Special Requirements**
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
**H** - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

NELAC and AIHA-LAP, LLC Accredited

**Project Entity**
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

**Other**
☐ Chromatogram
☐ *AIHA-LAP,LLC*

**Lab Comments:**
If Cont 1
3.1°C

**Disclaimer:** Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

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

# LOGIN REPORT/SAMPLE TRANSFER

| | | | | | |
|---|---|---|---|---|---|
| **Order ID :** | Q1382 NOBI03 | **Order Date :** | 2/18/2025 10:57:00 AM | **Project Mgr :** | |
| **Client Name :** | Nobis Group | **Project Name :** | Raymark Superfund Site | **Report Type :** | Level 4 |
| **Client Contact :** | Adam Roy | **Receive DateTime :** | 2/18/2025 10:25:00 AM | **EDD Type :** | EQUIS |
| **Invoice Name :** | Nobis Group | **Purchase Order :** | | **Hard Copy Date :** | |
| **Invoice Contact :** | Adam Roy | | | **Date Signoff :** | |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q1382-01 | OU4-PCS-TC-01-021725 | Solid | 02/17/2025 | 08:30 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1382-03 | OU4-PCS-TC-02-021725 | Solid | 02/17/2025 | 08:35 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1382-05 | OU4-PCS-TC-03-021725 | Solid | 02/17/2025 | 08:40 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1382-07 | OU4-PCS-TC-04-021725 | Solid | 02/17/2025 | 08:45 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1382-09 | OU4-PCS-TC-05-021725 | Solid | 02/17/2025 | 08:50 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1382-11 | OU4-PCS-TC-06-021725 | Solid | 02/17/2025 | 08:55 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1382-13 | OU4-PCS-TC-07-021725 | Solid | 02/17/2025 | 09:00 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1382-15 | OU4-PCS-TC-08-021725 | Solid | 02/17/2025 | 09:05 | | | | | |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q1382 NOBI03
**Client Name :** Nobis Group
**Client Contact :** Adam Roy
**Invoice Name :** Nobis Group
**Invoice Contact :** Adam Roy

**Order Date :** 2/18/2025 10:57:00 AM
**Project Name :** Raymark Superfund Site
**Receive DateTime :** 2/18/2025 10:25:00 AM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 4
**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 Group3 | | 8260D | | 10 Bus. Days |
| Q1382-17 | OU4-PCS-TC-09-021725 | Solid | 02/17/2025 | 09:10 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1382-19 | OU4-PCS-TC-10-021725 | Solid | 02/17/2025 | 09:15 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |

**Relinguished By :**
**Date / Time :** 2-18-25 1245

**Received By :**
**Date / Time :** 02/18/25

**Storage Area :** VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 185671 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 293189 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 242257 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152 | 113107 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.079 | 65 | 10514 | 6.651 | ug/l | | 0.01 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 13.300%# | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 10294 | 5.840 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 11.680%# | | | |
| 50) Toluene-d8 | 10.115 | 98 | 37973 | 5.520 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 11.040%# | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 12237 | 5.301 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = | 10.600%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.873 | 85 | 9330 | 5.910 | ug/l | | 94 |
| 3) Chloromethane | 2.080 | 50 | 9736 | 9.700 | ug/l | | 98 |
| 4) Vinyl Chloride | 2.214 | 62 | 9942 | 9.607 | ug/l | | 100 |
| 5) Bromomethane | 2.611 | 94 | 6604 | 9.426 | ug/l | | 92 |
| 6) Chloroethane | 2.751 | 64 | 5863 | 9.698 | ug/l | | 89 |
| 7) Trichlorofluoromethane | 3.074 | 101 | 17163 | 6.872 | ug/l | | 96 |
| 8) Diethyl Ether | 3.470 | 74 | 5090 | 6.827 | ug/l | | 78 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 10891 | 6.476 | ug/l | | 93 |
| 10) Methyl Iodide | 4.019 | 142 | 9923 | 5.156 | ug/l | | 97 |
| 11) Tert butyl alcohol | 4.878 | 59 | 3893 | 33.712 | ug/l | # | 73 |
| 12) 1,1-Dichloroethene | 3.805 | 96 | 9831 | 6.255 | ug/l | | 89 |
| 13) Acrolein | 3.665 | 56 | 5116 | 38.472 | ug/l | | 94 |
| 14) Allyl chloride | 4.403 | 41 | 16131 | 7.456 | ug/l | | 93 |
| 15) Acrylonitrile | 5.086 | 53 | 10135 | 33.047 | ug/l | # | 73 |
| 16) Acetone | 3.891 | 43 | 8118 | 37.678 | ug/l | | 99 |
| 17) Carbon Disulfide | 4.123 | 76 | 31063 | 6.417 | ug/l | | 99 |
| 18) Methyl Acetate | 4.397 | 43 | 5577 | 7.397 | ug/l | | 92 |
| 19) Methyl tert-butyl Ether | 5.128 | 73 | 23603 | 6.452 | ug/l | | 98 |
| 20) Methylene Chloride | 4.635 | 84 | 10585 | 6.661 | ug/l | | 94 |
| 21) trans-1,2-Dichloroethene | 5.141 | 96 | 10724 | 6.364 | ug/l | | 91 |
| 22) Diisopropyl ether | 6.031 | 45 | 32323 | 7.329 | ug/l | | 94 |
| 23) Vinyl Acetate | 5.976 | 43 | 87000 | 35.621 | ug/l | | 97 |
| 24) 1,1-Dichloroethane | 5.933 | 63 | 20490 | 7.202 | ug/l | | 96 |
| 25) 2-Butanone | 6.915 | 43 | 12466 | 34.105 | ug/l | | 93 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 19144 | 6.834 | ug/l | | 98 |
| 27) cis-1,2-Dichloroethene | 6.909 | 96 | 12299 | 6.350 | ug/l | | 93 |
| 28) Bromochloromethane | 7.256 | 49 | 6919 | 6.527 | ug/l | | 85 |
| 29) Tetrahydrofuran | 7.281 | 42 | 8193 | 33.310 | ug/l | | 92 |
| 30) Chloroform | 7.439 | 83 | 20552 | 6.669 | ug/l | | 96 |
| 31) Cyclohexane | 7.713 | 56 | 20287 | 7.295 | ug/l | # | 85 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 19818 | 6.645 | ug/l | | 97 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 15667 | 6.231 | ug/l | | 95 |
| 37) Ethyl Acetate | 6.994 | 43 | 6383 | 6.809 | ug/l | # | 74 |
| 38) Carbon Tetrachloride | 7.829 | 117 | 17709 | 5.691 | ug/l | | 99 |
| 39) Methylcyclohexane | 9.116 | 83 | 17860 | 5.287 | ug/l | | 93 |
| 40) Benzene | 8.091 | 78 | 44324 | 5.991 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.281 | 41 | 8572 | 16.526 ug/l # | 21 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 12762 | 6.801 ug/l | 98 |
| 43) Isopropyl Acetate | 8.207 | 43 | 11839 | 6.321 ug/l # | 86 |
| 44) Trichloroethene | 8.878 | 130 | 11751 | 5.756 ug/l | 93 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 10477 | 6.318 ug/l | 99 |
| 46) Dibromomethane | 9.244 | 93 | 5885 | 6.098 ug/l | 91 |
| 47) Bromodichloromethane | 9.433 | 83 | 15477 | 6.107 ug/l | 94 |
| 48) Methyl methacrylate | 9.231 | 41 | 5280 | 5.922 ug/l | 93 |
| 49) 1,4-Dioxane | 9.250 | 88 | 940 | 91.663 ug/l # | 93 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 29573 | 30.730 ug/l | 91 |
| 52) Toluene | 10.182 | 92 | 26760 | 5.572 ug/l | 96 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 12933 | 5.639 ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 9.865 | 75 | 15488 | 5.650 ug/l # | 90 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 7651 | 5.961 ug/l | 92 |
| 56) Ethyl methacrylate | 10.451 | 69 | 8418 | 5.018 ug/l # | 82 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 12714 | 5.845 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 21035 | 29.542 ug/l | 95 |
| 59) 2-Hexanone | 10.774 | 43 | 18159 | 29.030 ug/l | 90 |
| 60) Dibromochloromethane | 10.920 | 129 | 10511 | 5.744 ug/l | 96 |
| 61) 1,2-Dibromoethane | 11.024 | 107 | 6810 | 5.555 ug/l | 96 |
| 64) Tetrachloroethene | 10.652 | 164 | 9915 | 5.426 ug/l | 96 |
| 65) Chlorobenzene | 11.450 | 112 | 29973 | 5.872 ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 10524 | 5.810 ug/l | 98 |
| 67) Ethyl Benzene | 11.530 | 91 | 50904 | 5.760 ug/l | 97 |
| 68) m/p-Xylenes | 11.639 | 106 | 37399 | 11.015 ug/l | 98 |
| 69) o-Xylene | 11.963 | 106 | 17519 | 5.550 ug/l | 99 |
| 70) Styrene | 11.981 | 104 | 27946 | 5.333 ug/l | 99 |
| 71) Bromoform | 12.145 | 173 | 5607 | 5.252 ug/l # | 97 |
| 73) Isopropylbenzene | 12.261 | 105 | 46625 | 5.869 ug/l | 100 |
| 74) N-amyl acetate | 12.085 | 43 | 8887 | 6.144 ug/l | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83 | 8001 | 6.240 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 10605 | 11.844 ug/l # | 100 |
| 77) Bromobenzene | 12.542 | 156 | 10698 | 5.680 ug/l | 90 |
| 78) n-propylbenzene | 12.603 | 91 | 54990 | 5.907 ug/l | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 32479 | 6.123 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.749 | 105 | 37564 | 5.772 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 2446 | 5.671 ug/l | 92 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 32824 | 6.046 ug/l | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 33572 | 5.562 ug/l | 95 |
| 84) 1,2,4-Trimethylbenzene | 13.054 | 105 | 36016 | 5.665 ug/l | 100 |
| 85) sec-Butylbenzene | 13.188 | 105 | 49828 | 5.831 ug/l | 99 |
| 86) p-Isopropyltoluene | 13.304 | 119 | 40197 | 5.597 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 13.298 | 146 | 21910 | 5.966 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 13.377 | 146 | 21553 | 5.910 ug/l | 95 |
| 89) n-Butylbenzene | 13.627 | 91 | 36214 | 5.630 ug/l | 96 |
| 90) Hexachloroethane | 13.895 | 117 | 8559 | 5.891 ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 13.670 | 146 | 18869 | 5.892 ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75 | 1125 | 5.699 ug/l | 82 |
| 93) 1,2,4-Trichlorobenzene | 14.932 | 180 | 9000 | 4.590 ug/l | 98 |
| 94) Hexachlorobutadiene | 15.035 | 225 | 6792 | 5.001 ug/l | 99 |
| 95) Naphthalene | 15.157 | 128 | 12124 | 3.847 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 7255 | 4.375 ug/l | 95 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

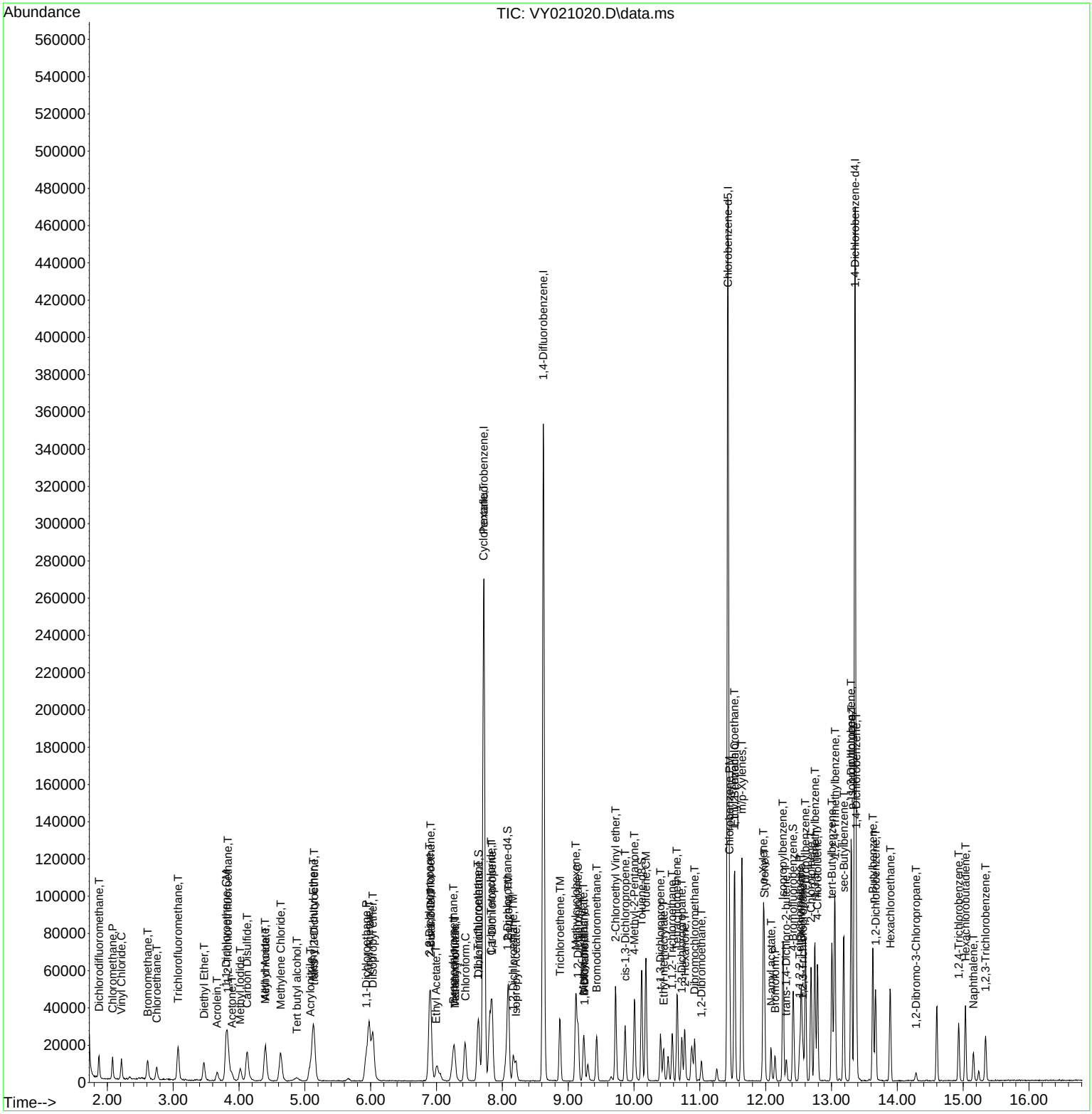
(#) = qualifier out of range (m) = manual integration (+) = signals summed

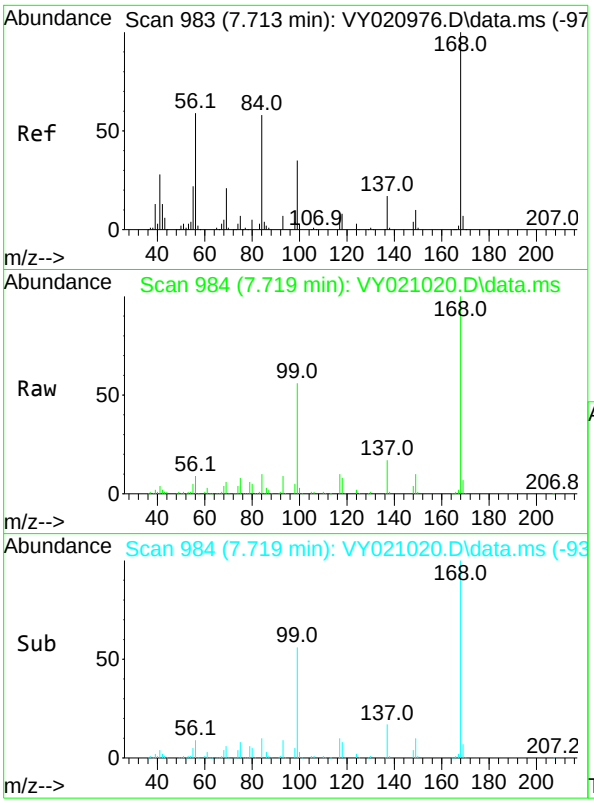
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021020.D
Acq On : 03 Feb 2025 10:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Quant Time: Feb 03 12:37:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration



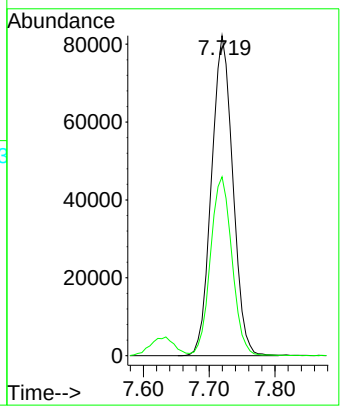


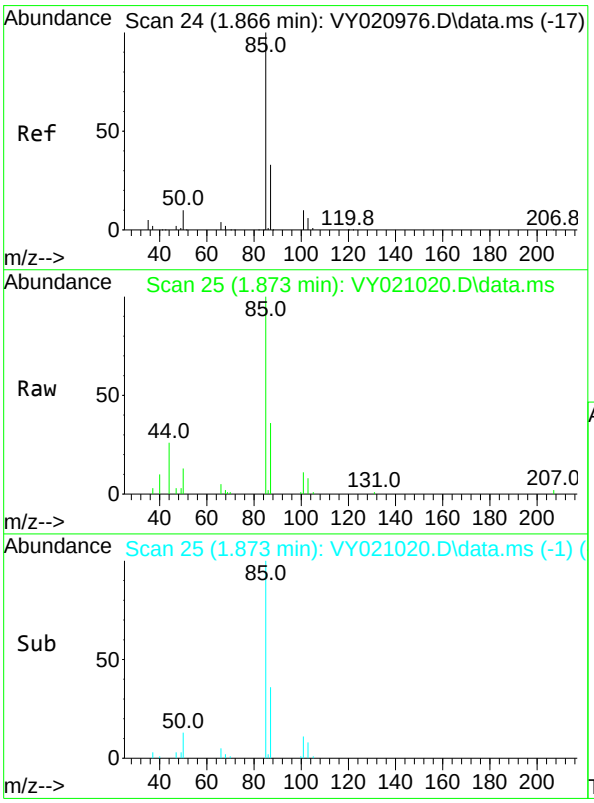

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:168 Resp: 185671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.8 | 42.2 | 63.2 |

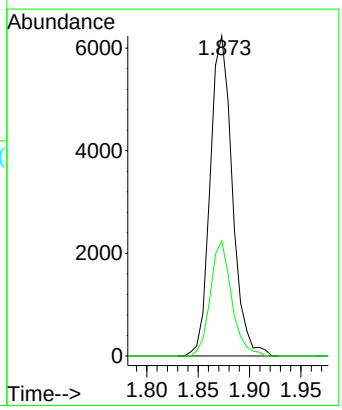


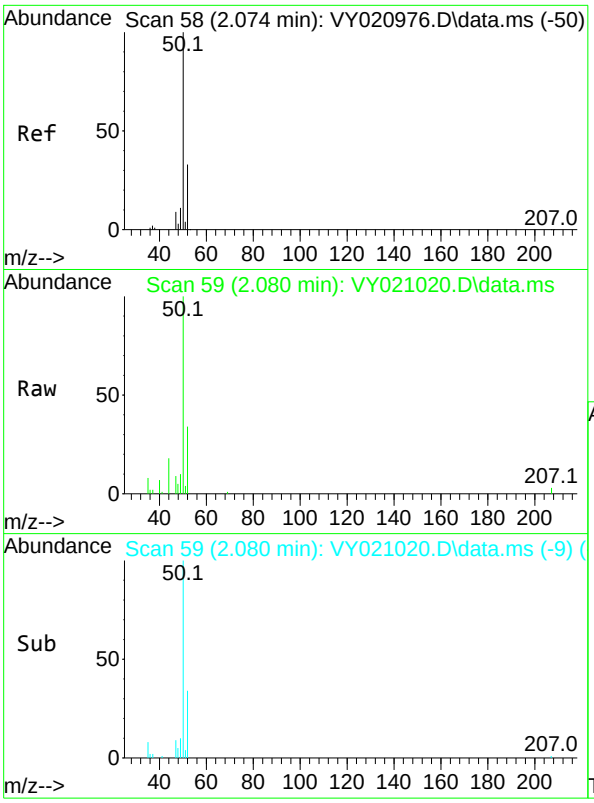




#2
Dichlorodifluoromethane
Concen: 5.910 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 85 Resp: 9330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 36.0 | 16.3 | 48.9 |



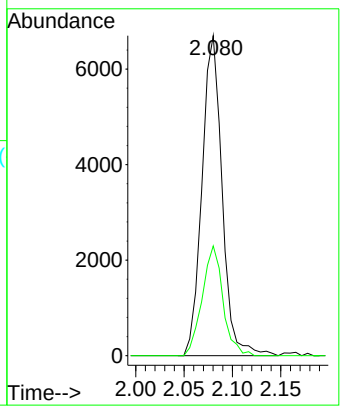


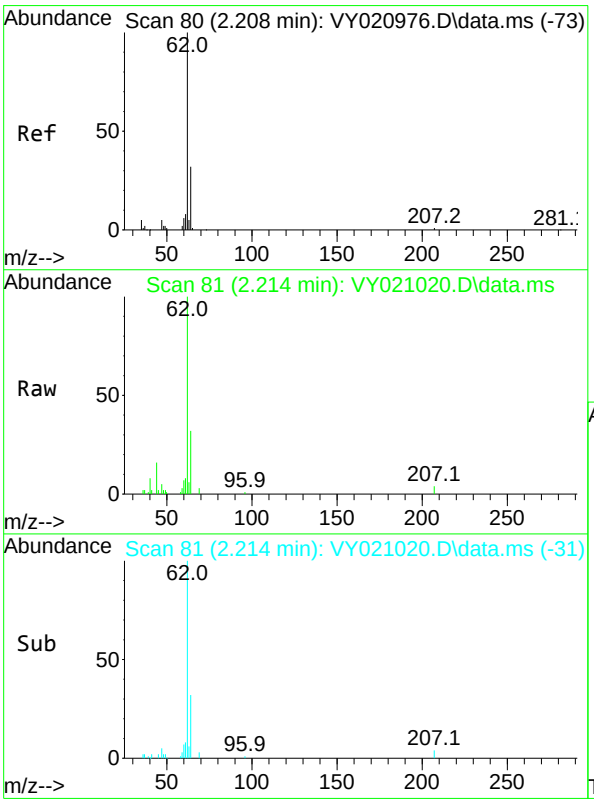

#3
Chloromethane
Concen: 9.700 ug/l
RT: 2.080 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 50 Resp: 9736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.3 | 26.3 | 39.5 |

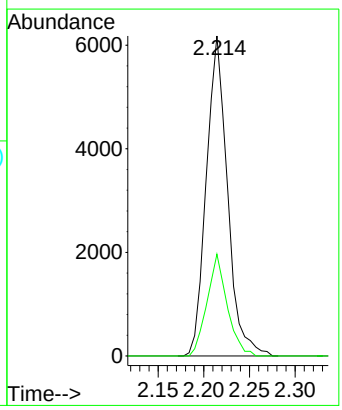


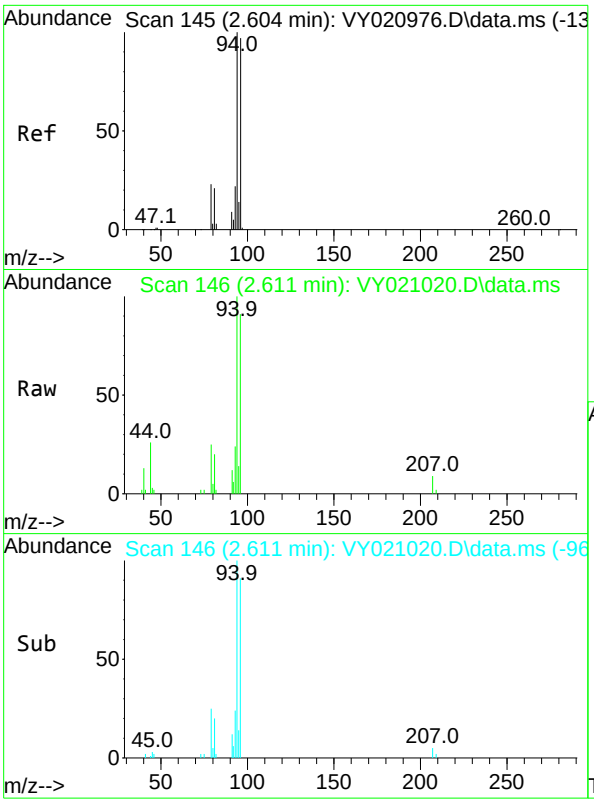




#4
Vinyl Chloride
Concen: 9.607 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 62 Resp: 9942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.8 | 25.4 | 38.2 |



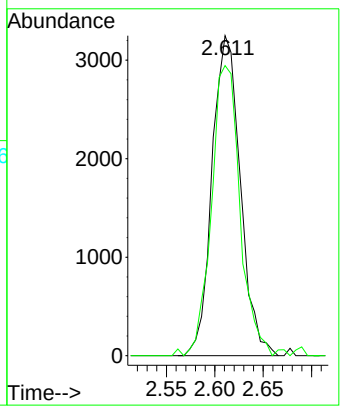


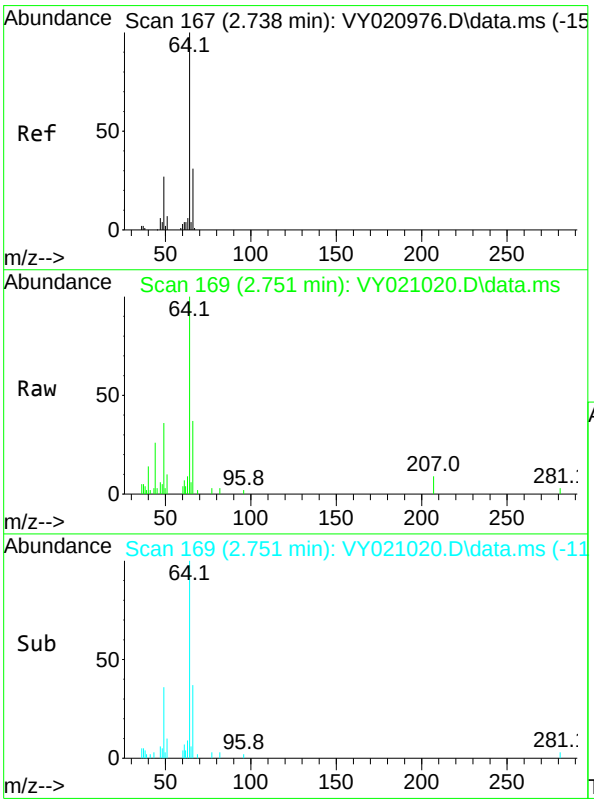

#5
Bromomethane
Concen: 9.426 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 94 Resp: 6604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 88.9 | 77.4 | 116.0 |

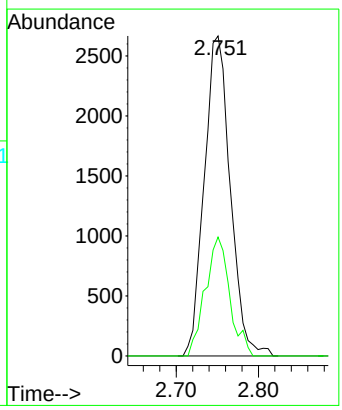


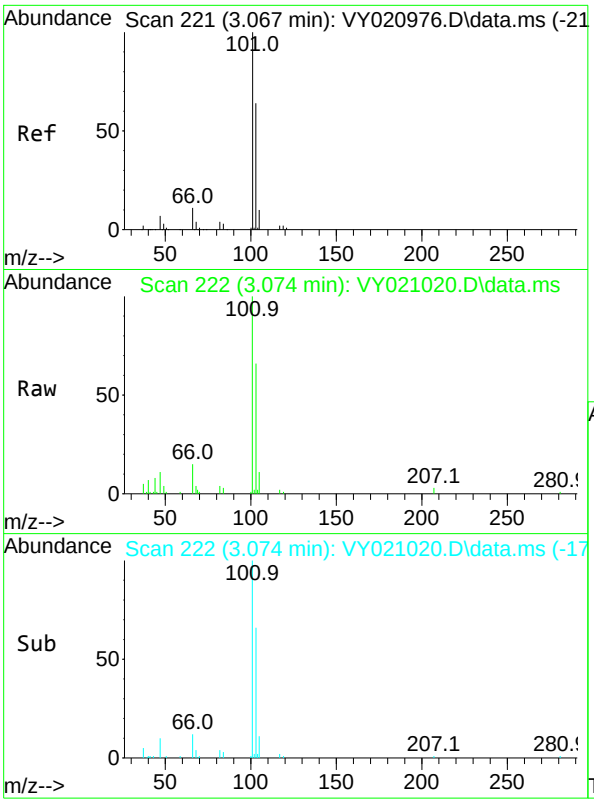




#6
Chloroethane
Concen: 9.698 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 64 Resp: 5863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 37.1 | 25.0 | 37.4 |



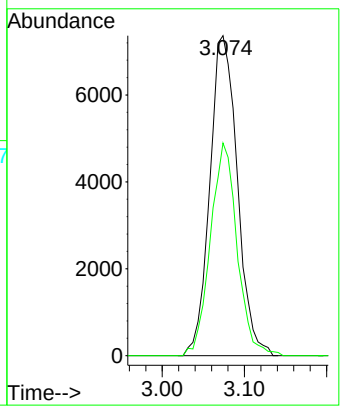


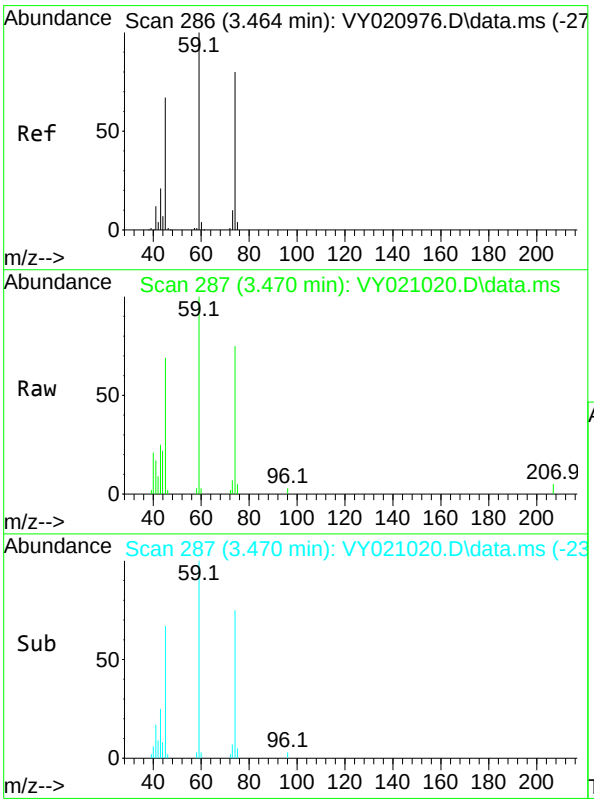

#7
Trichlorofluoromethane
Concen: 6.872 ug/l
RT: 3.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 17163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.4 | 50.9 | 76.3 |

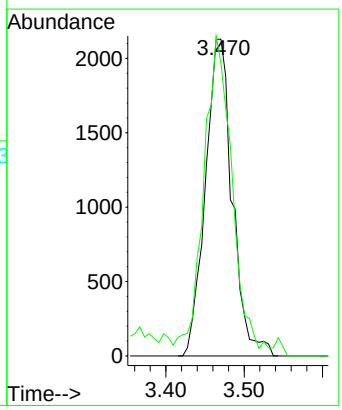


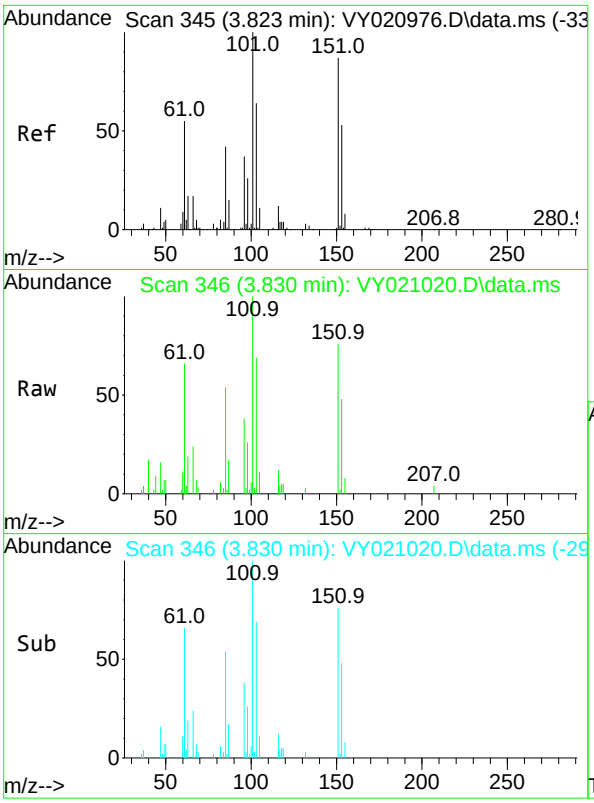




#8
Diethyl Ether
Concen: 6.827 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 74 Resp: 5090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 107.1 | 43.4 | 130.2 |



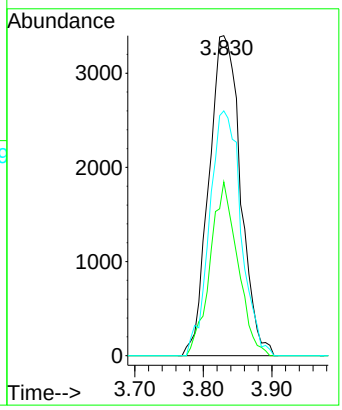


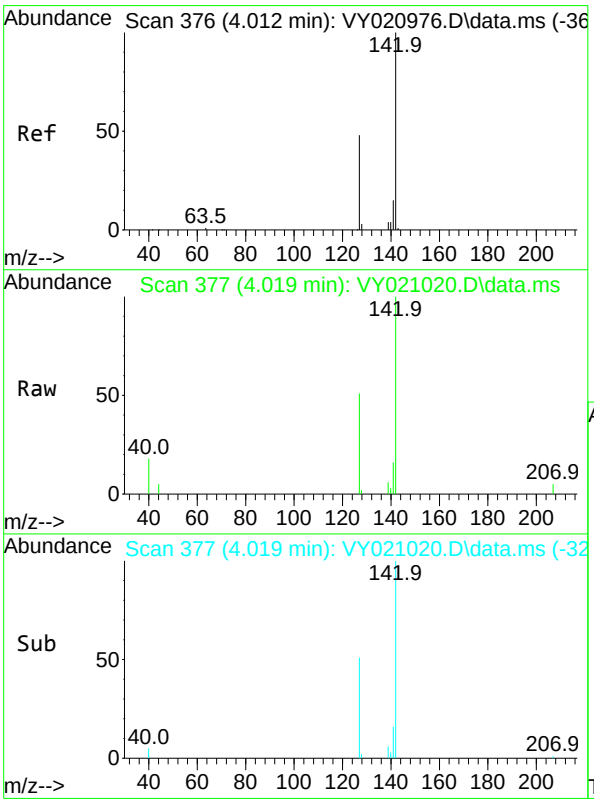

#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.476 ug/l
RT: 3.830 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 10891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.3 | 34.9 | 52.3 |
| 151 | 76.2 | 66.8 | 100.2 |

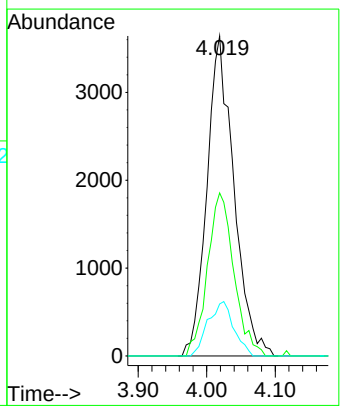


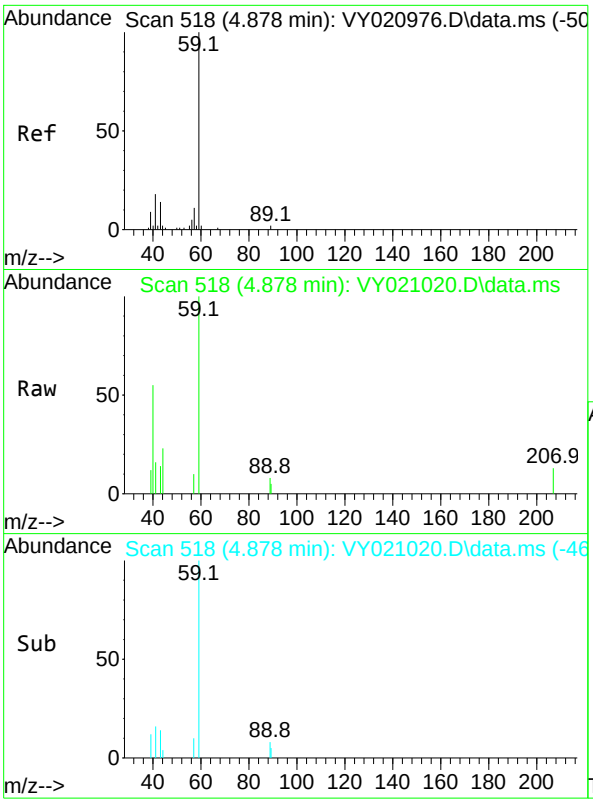




#10
Methyl Iodide
Concen: 5.156 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:142 Resp: 9923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.1 | 38.9 | 58.3 |
| 141 | 16.3 | 11.7 | 17.5 |



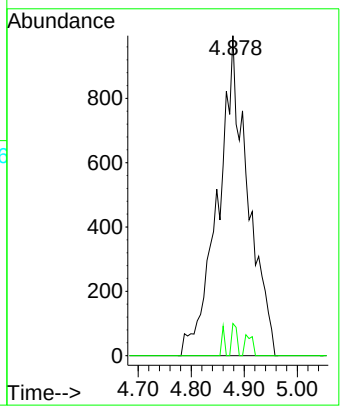


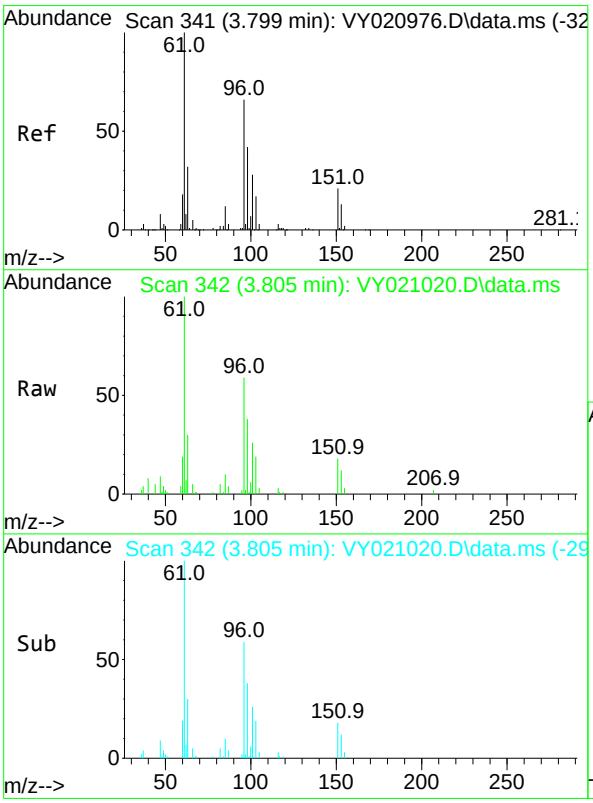

#11
Tert butyl alcohol
Concen: 33.712 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 59 Resp: 3893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.8 | 11.8# |

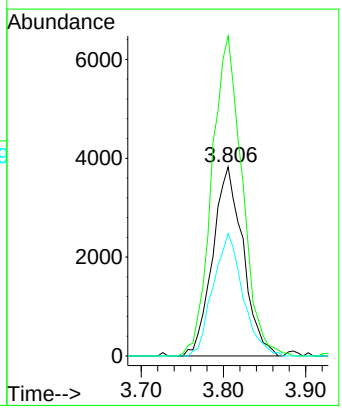


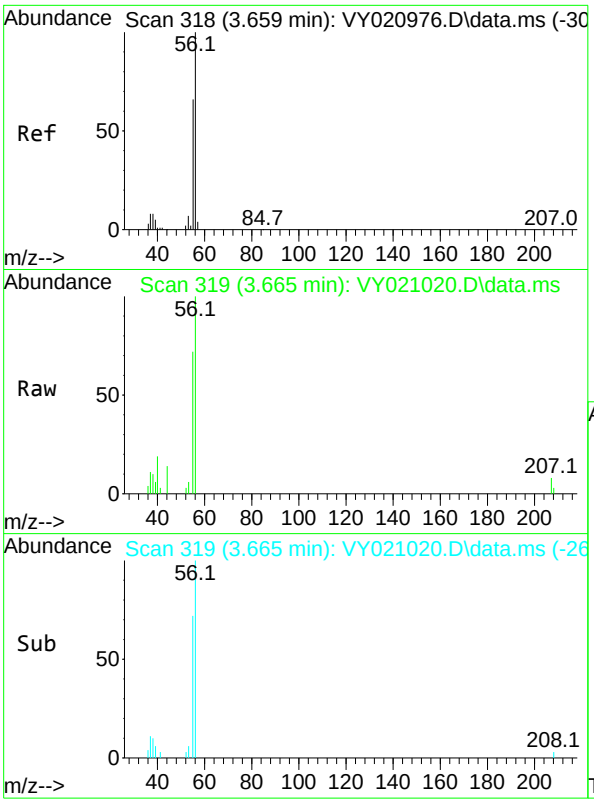




#12
1,1-Dichloroethene
Concen: 6.255 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 96 Resp: 9831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.2 | 120.8 | 181.2 |
| 98 | 64.7 | 50.6 | 76.0 |



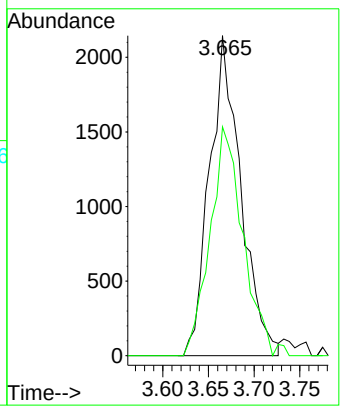


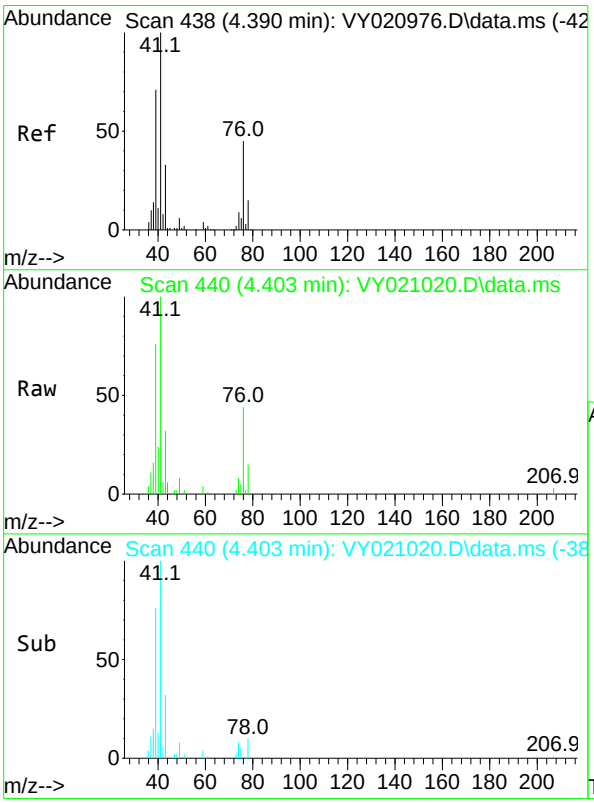

#13
Acrolein
Concen: 38.472 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 5116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 75.4 | 56.1 | 84.1 |

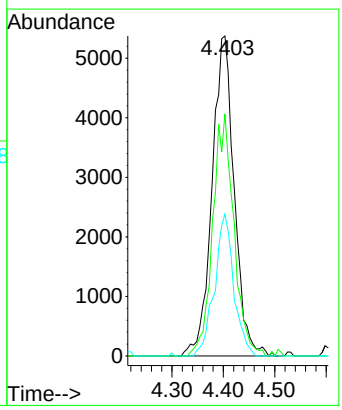


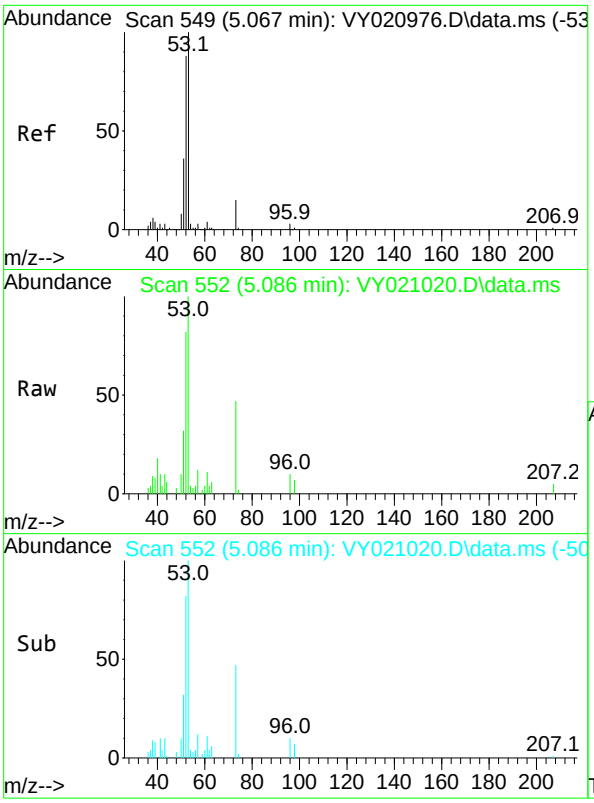




#14
Allyl chloride
Concen: 7.456 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 16131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.9 | 53.5 | 80.3 |
| 76 | 38.4 | 34.6 | 52.0 |



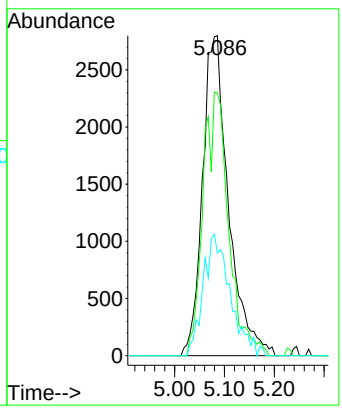


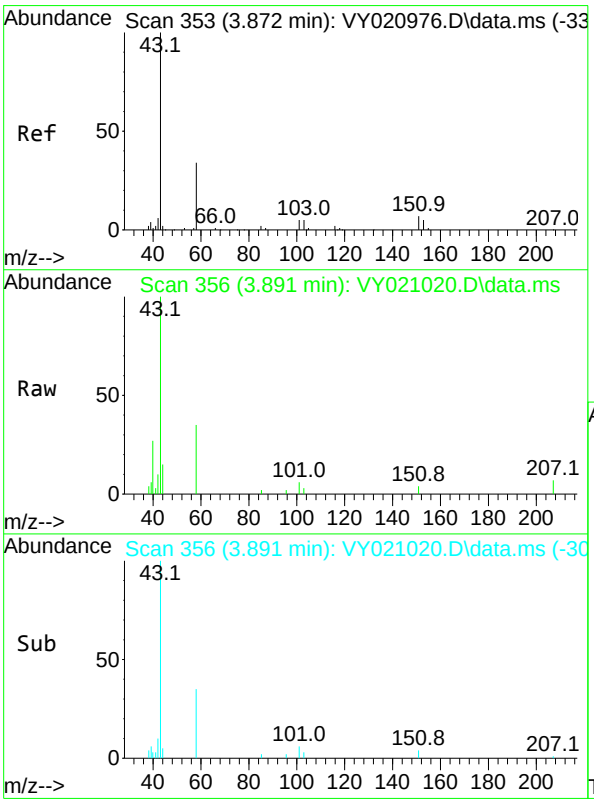

#15
Acrylonitrile
Concen: 33.047 ug/l
RT: 5.086 min Scan# 5
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 53 Resp: 10135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 50.1 | 66.2 | 99.4# |
| 51 | 39.5 | 29.4 | 44.0 |

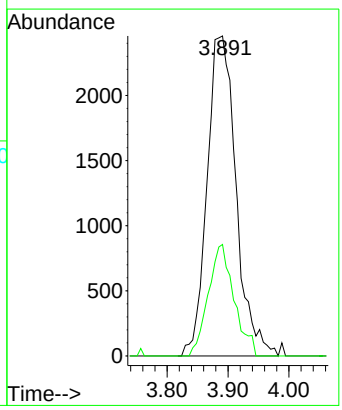


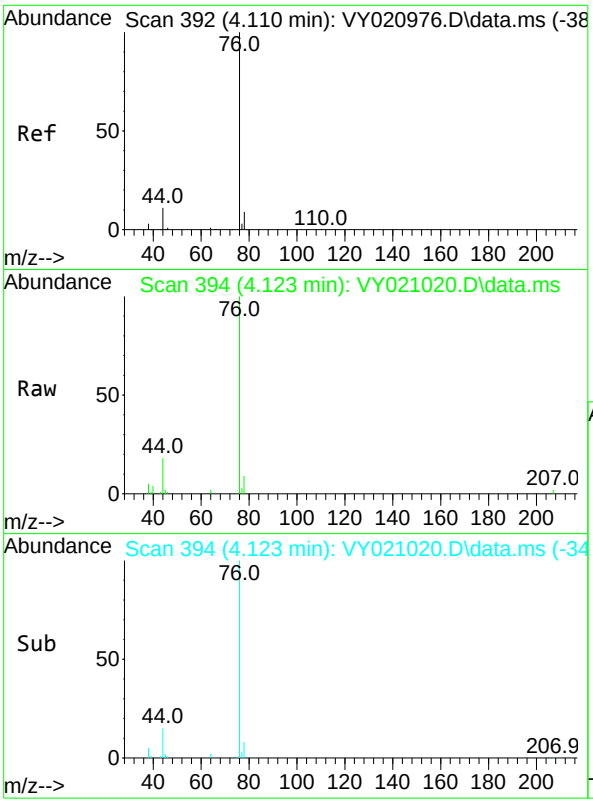




#16
Acetone
Concen: 37.678 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.019 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 28.4 | 42.6 |



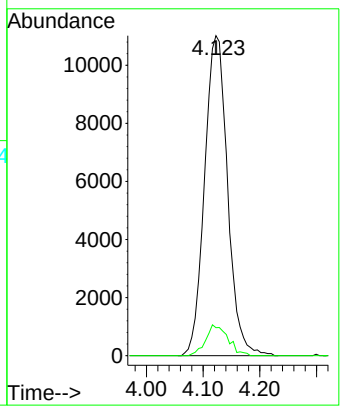


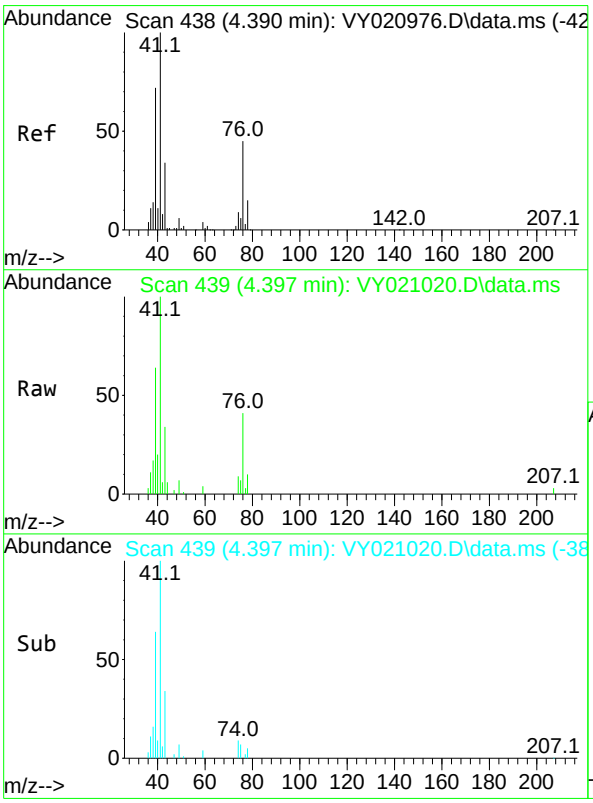

#17
Carbon Disulfide
Concen: 6.417 ug/l
RT: 4.123 min Scan# 3
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 31063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.3 | 10.9 |

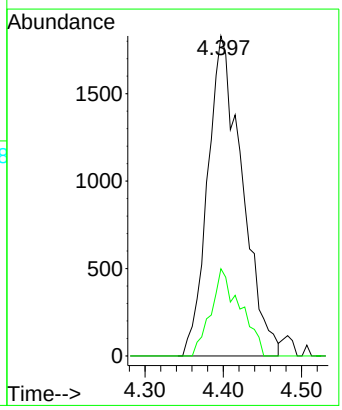


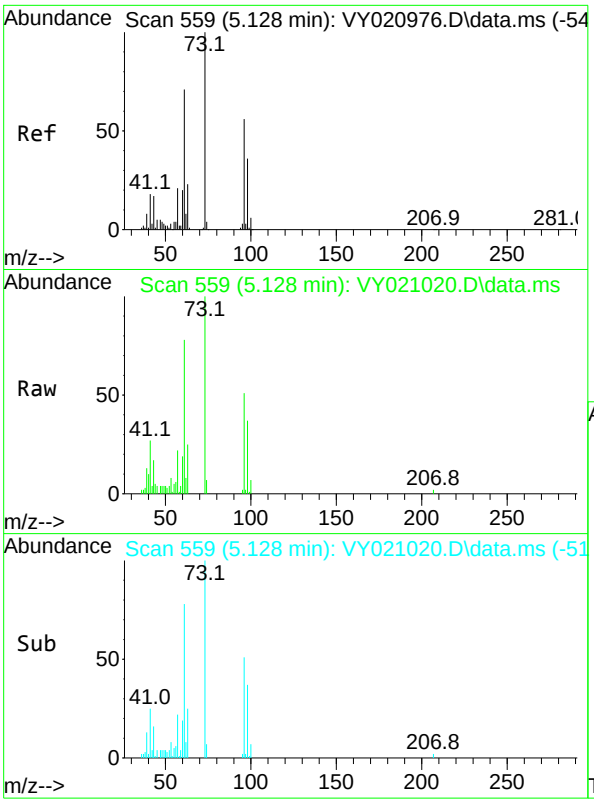




#18
Methyl Acetate
Concen: 7.397 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 5577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.4 | 22.2 | 33.4 |



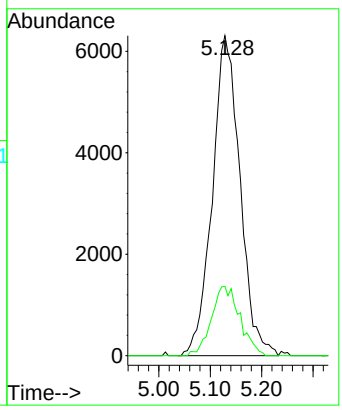


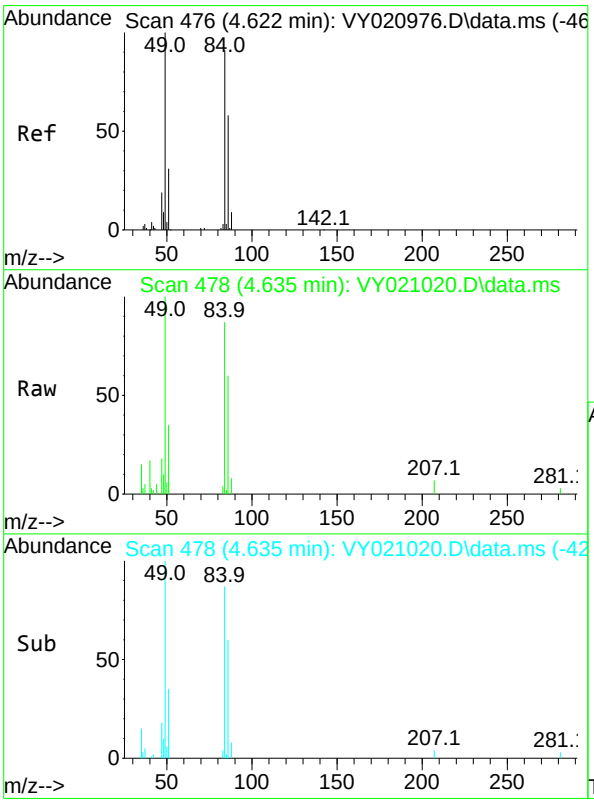

#19
Methyl tert-butyl Ether
Concen: 6.452 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 73 Resp: 23603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 16.6 | 25.0 |

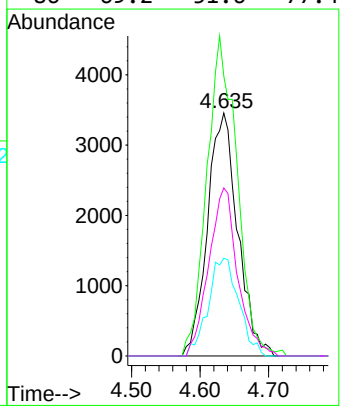


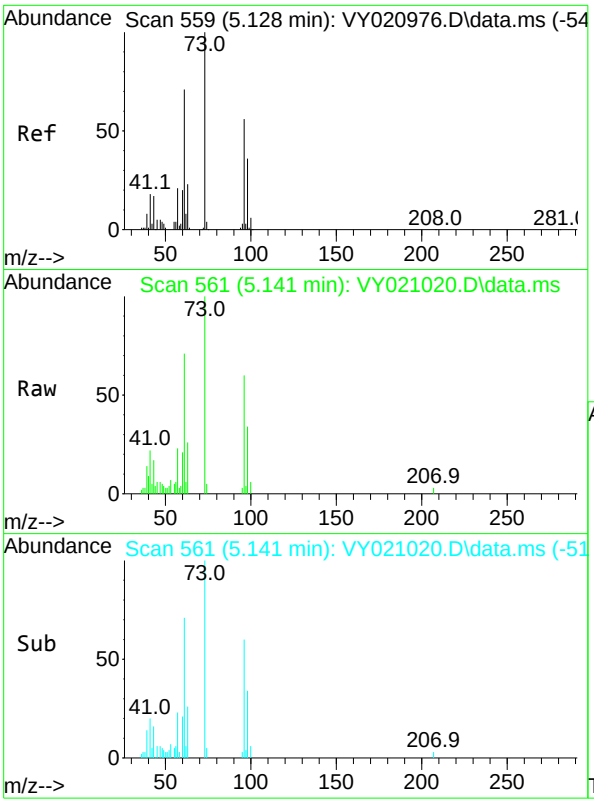




#20
Methylene Chloride
Concen: 6.661 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 84 Resp: 10585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 115.3 | 88.3 | 132.5 |
| 51 | 40.2 | 27.7 | 41.5 |
| 86 | 69.2 | 51.6 | 77.4 |



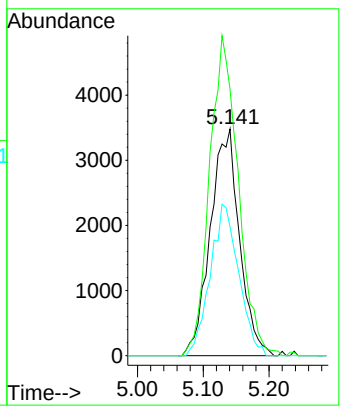


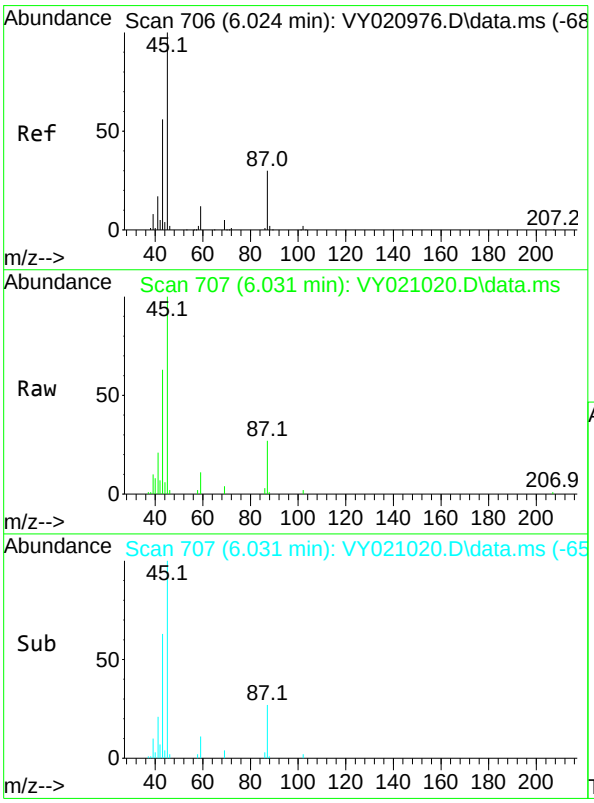

#21
trans-1,2-Dichloroethene
Concen: 6.364 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 10724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 117.6 | 101.5 | 152.3 |
| 98 | 56.8 | 52.0 | 78.0 |

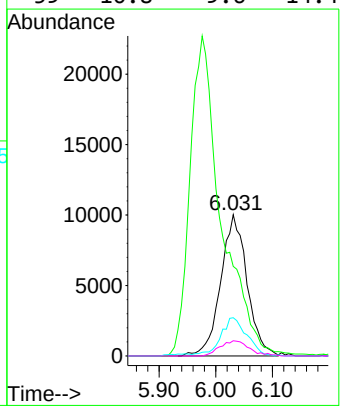


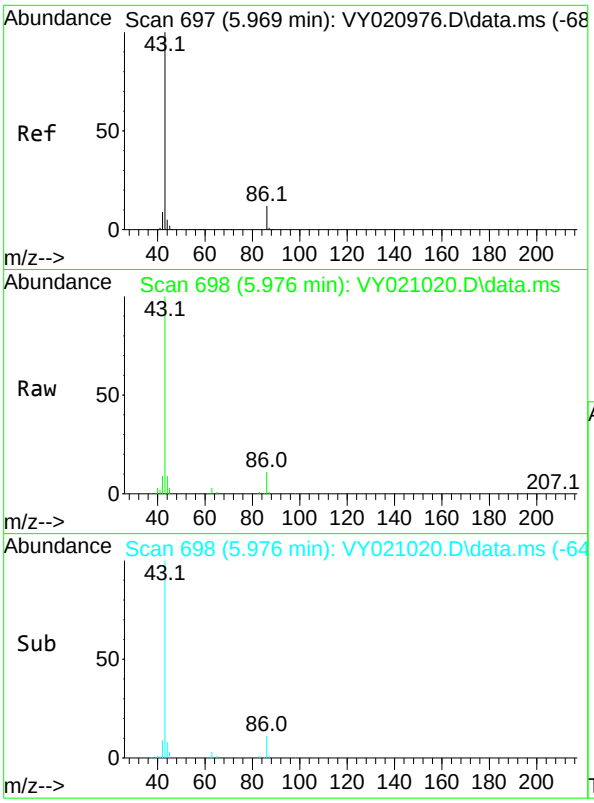




#22
Diisopropyl ether
Concen: 7.329 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 45 Resp: 32323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 60.4 | 45.1 | 67.7 |
| 87 | 26.3 | 25.0 | 37.4 |
| 59 | 10.8 | 9.6 | 14.4 |



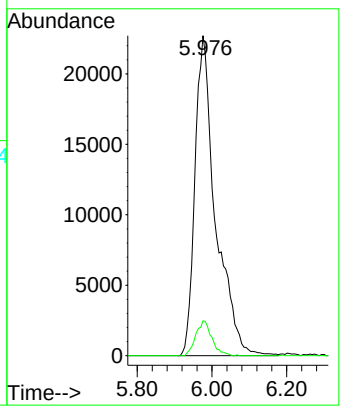


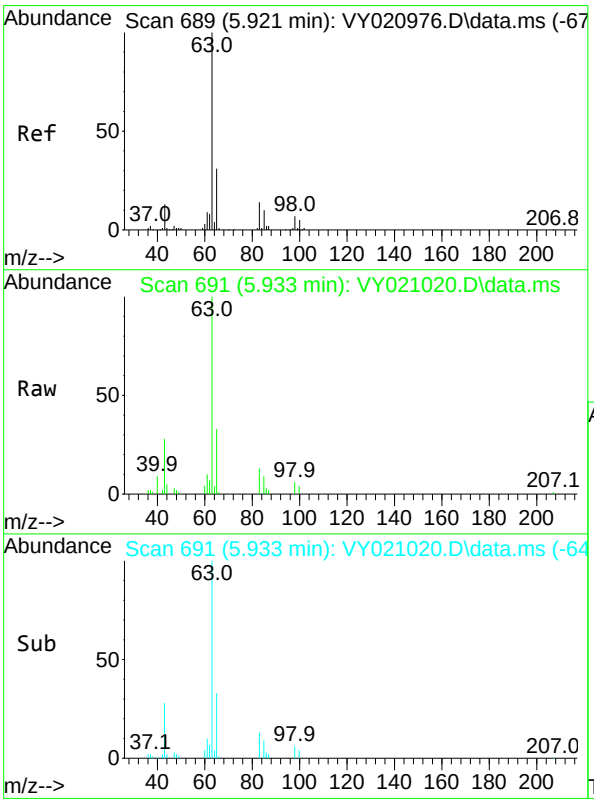

#23
Vinyl Acetate
Concen: 35.621 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 87000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 9.7 | 14.5 |

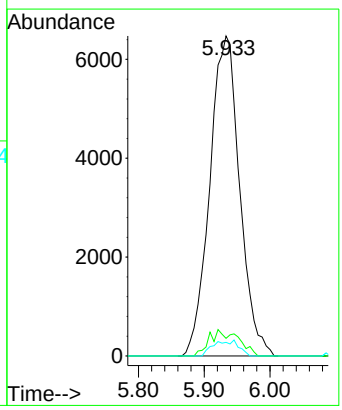


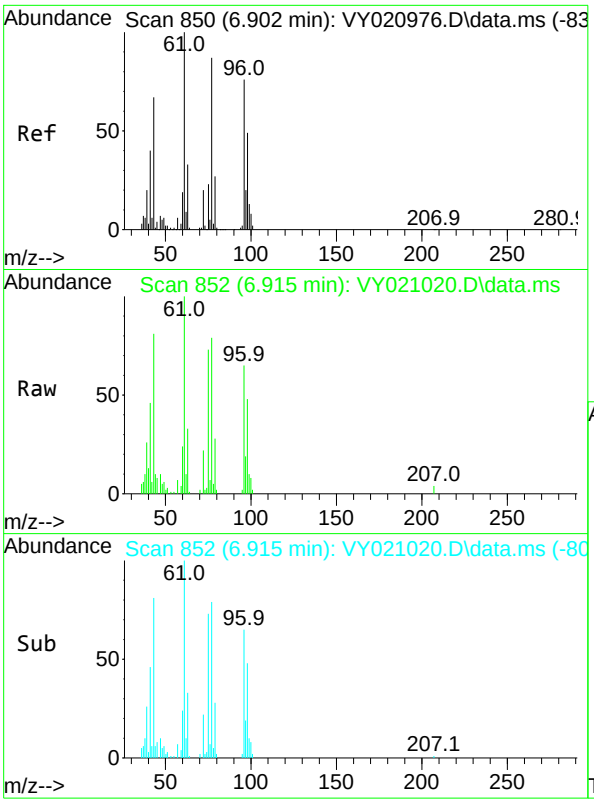




#24
1,1-Dichloroethane
Concen: 7.202 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 20490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 5.5 | 3.7 | 11.1 |
| 100 | 4.3 | 2.4 | 7.2 |



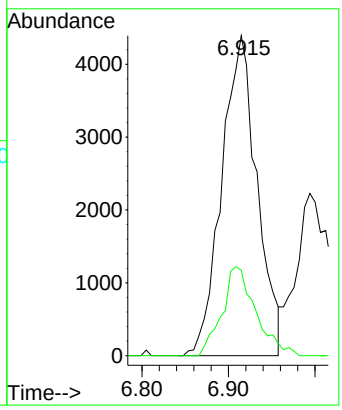


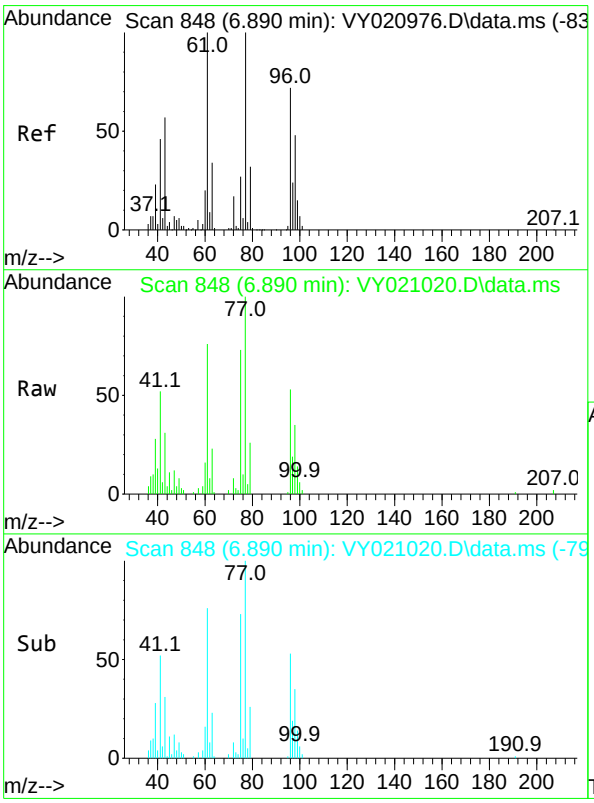

#25
2-Butanone
Concen: 34.105 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 12466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.7 | 24.3 | 36.5 |

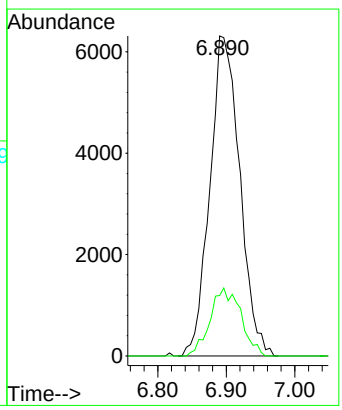


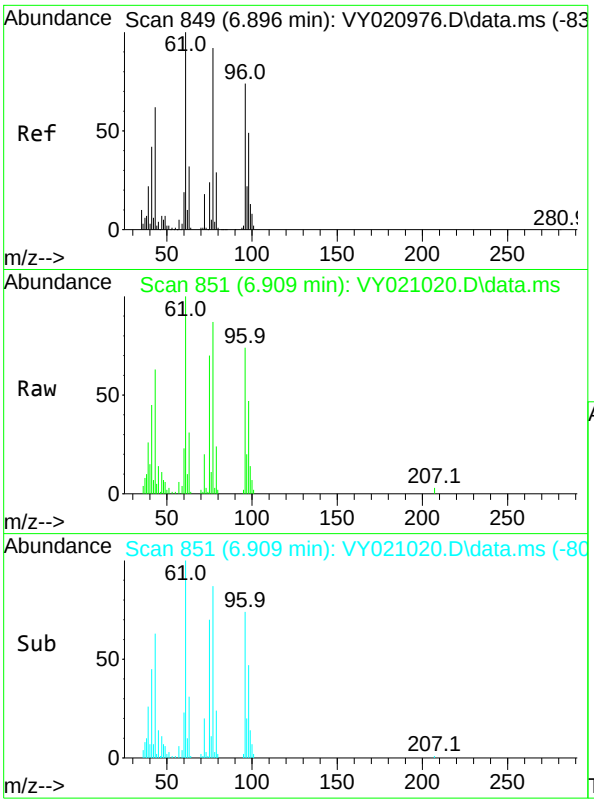




#26
2,2-Dichloropropane
Concen: 6.834 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 77 Resp: 19144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.9 | 11.4 | 34.2 |



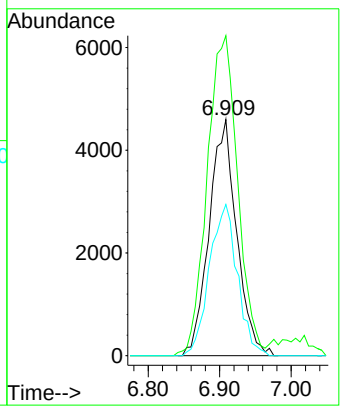


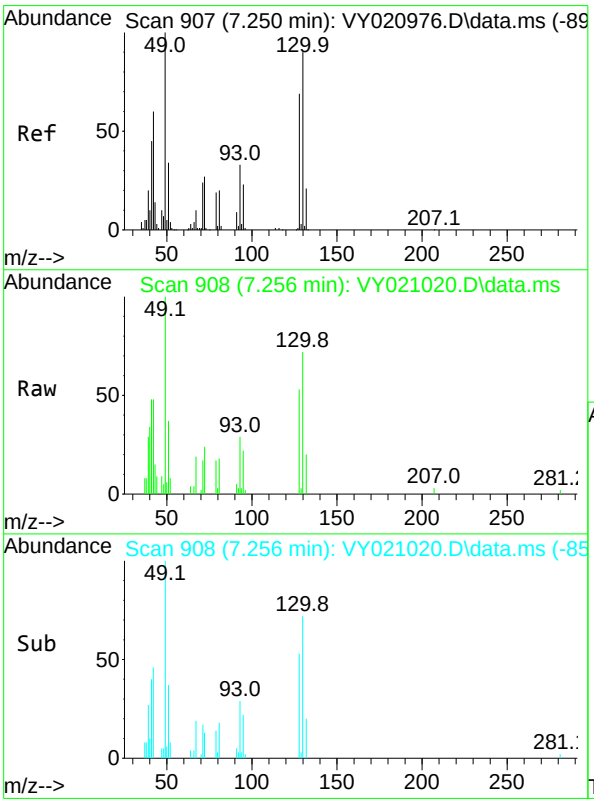

#27
cis-1,2-Dichloroethene
Concen: 6.350 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 12299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.2 | 0.0 | 274.0 |
| 98 | 65.1 | 0.0 | 130.4 |

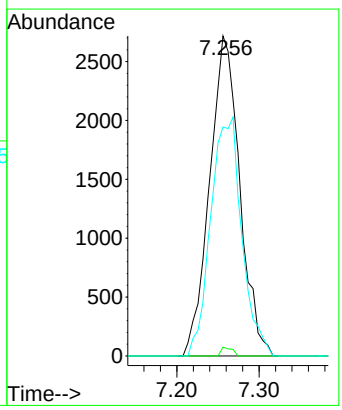


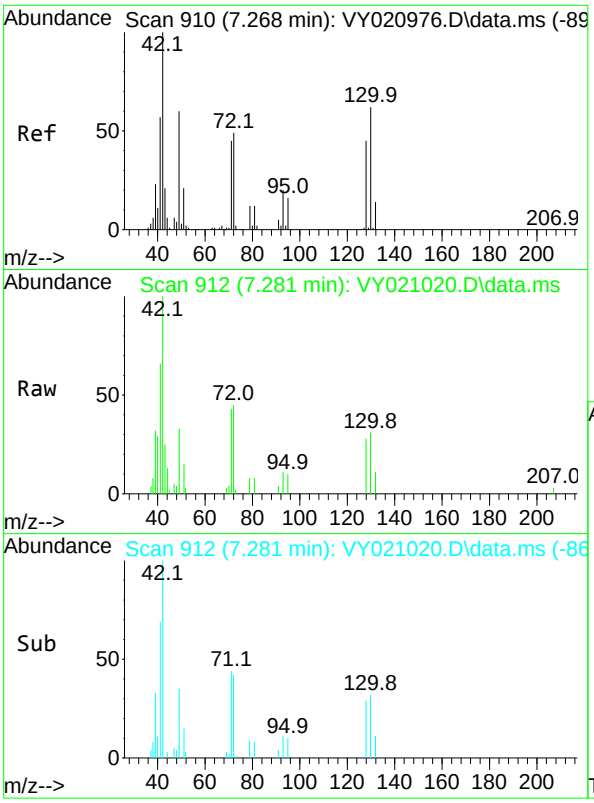




#28
Bromochloromethane
Concen: 6.527 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 49 Resp: 6919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.0 | 0.0 | 5.0 |
| 130 | 76.6 | 73.2 | 109.8 |



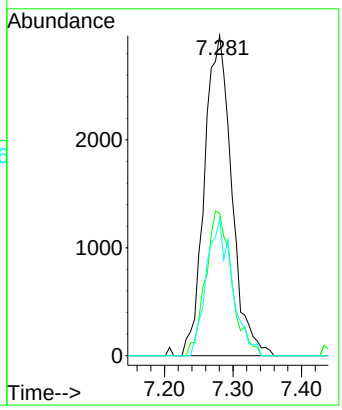


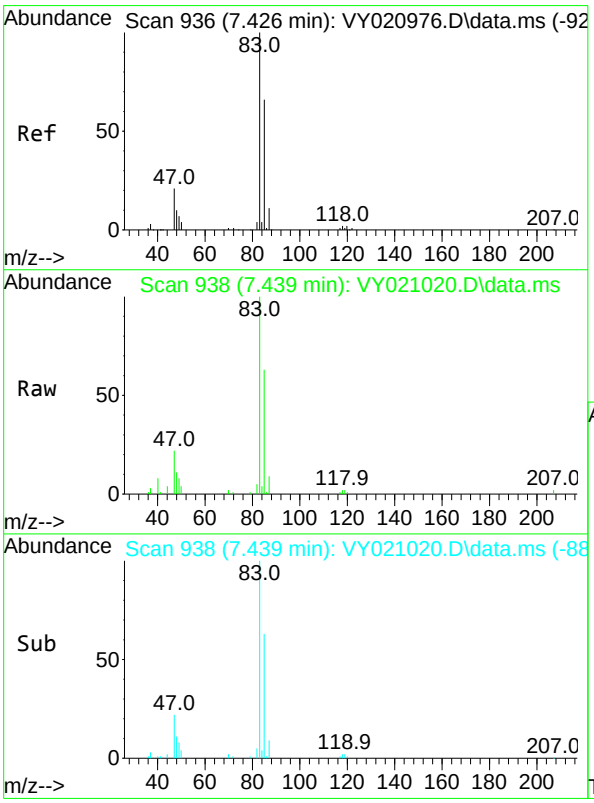

#29
Tetrahydrofuran
Concen: 33.310 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 42 Resp: 8193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.4 | 39.3 | 58.9 |
| 71 | 40.6 | 36.1 | 54.1 |

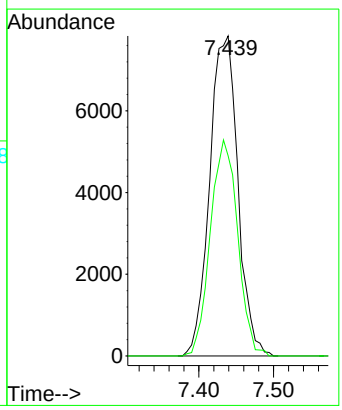


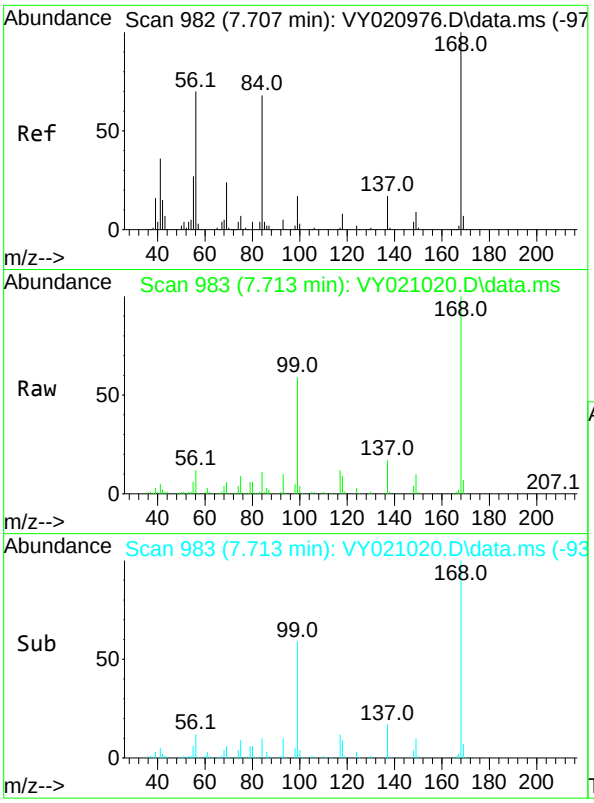




#30
Chloroform
Concen: 6.669 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 83 Resp: 20552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 52.9 | 79.3 |



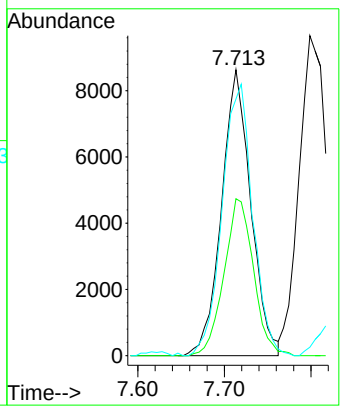


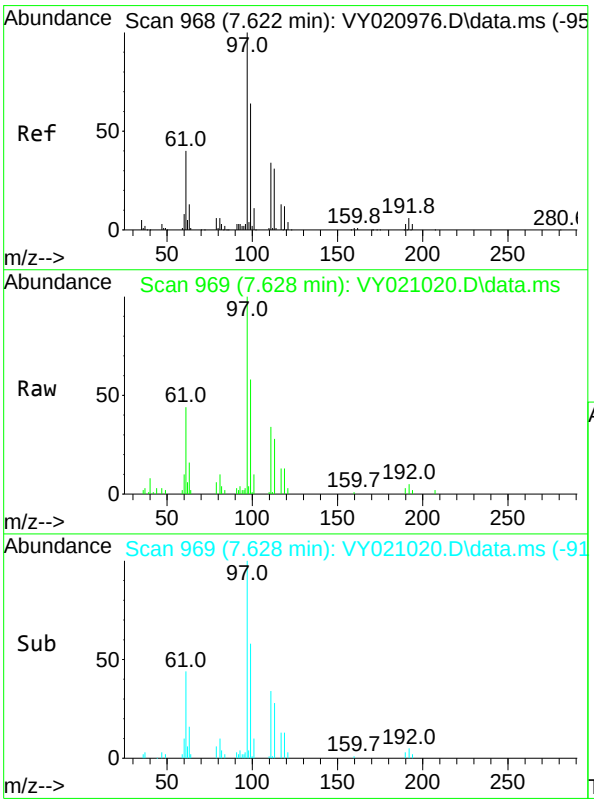

#31
Cyclohexane
Concen: 7.295 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 20287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 54.9 | 27.7 | 41.5# |
| 84 | 88.9 | 77.5 | 116.3 |

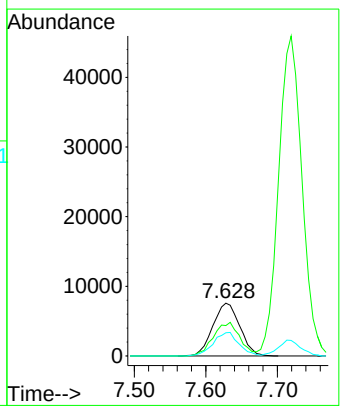


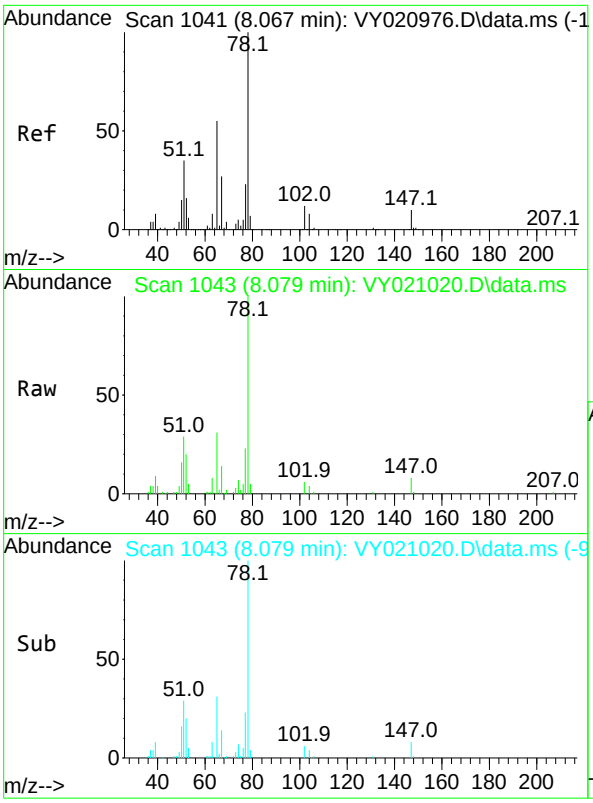




#32
1,1,1-Trichloroethane
Concen: 6.645 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 97 Resp: 19818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 51.4 | 77.0 |
| 61 | 42.5 | 31.4 | 47.0 |



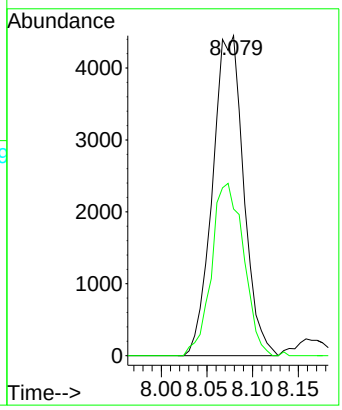


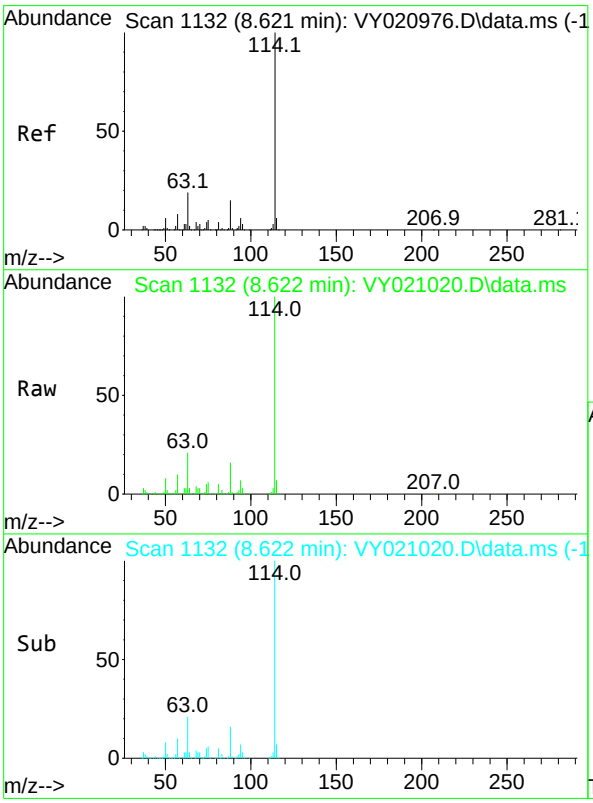

#33
1,2-Dichloroethane-d4
Concen: 6.651 ug/l
RT: 8.079 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 65 Resp: 10514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.5 | 0.0 | 104.4 |

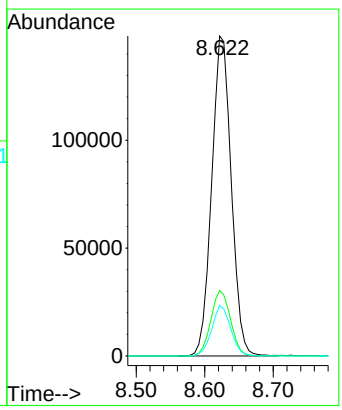


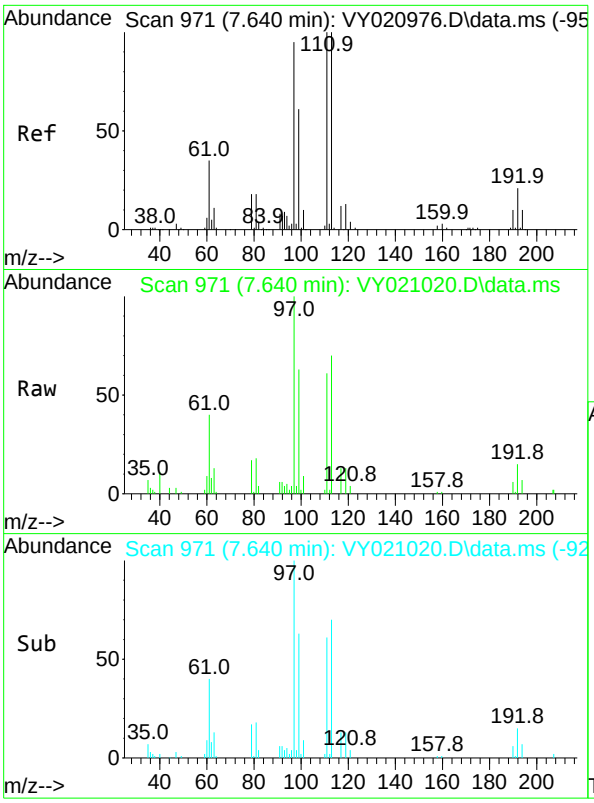




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:114 Resp: 293189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 37.2 |
| 88 | 15.8 | 0.0 | 29.6 |



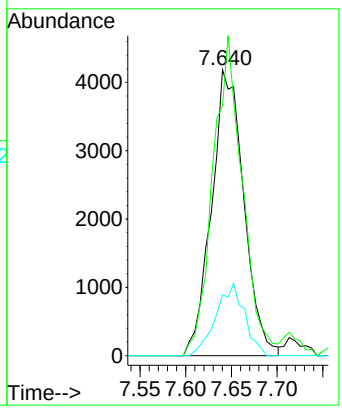


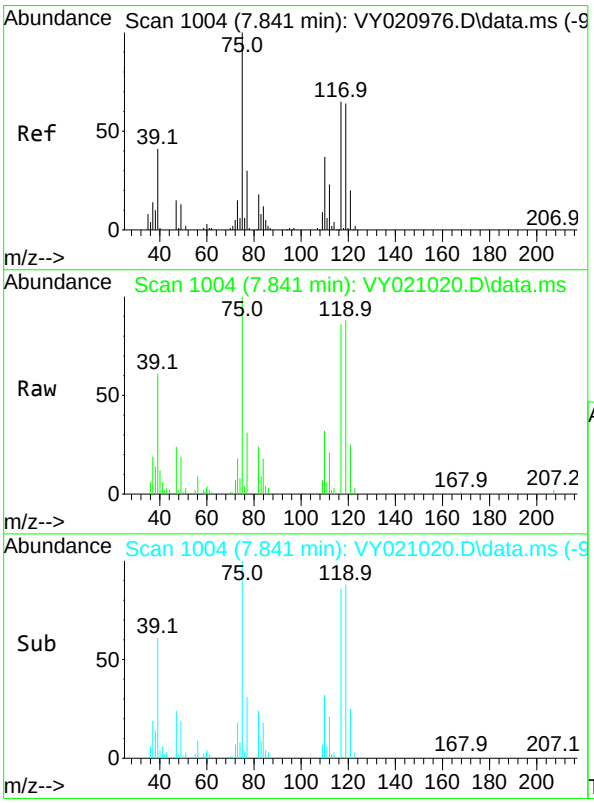

#35
Dibromofluoromethane
Concen: 5.840 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:113 Resp: 10294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.6 | 123.8 |
| 192 | 22.3 | 16.8 | 25.2 |

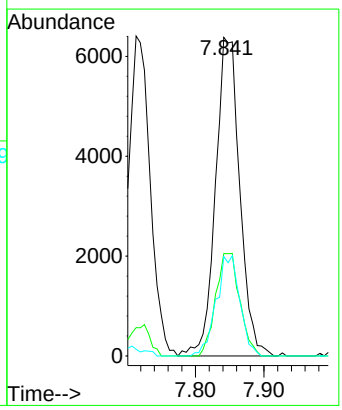


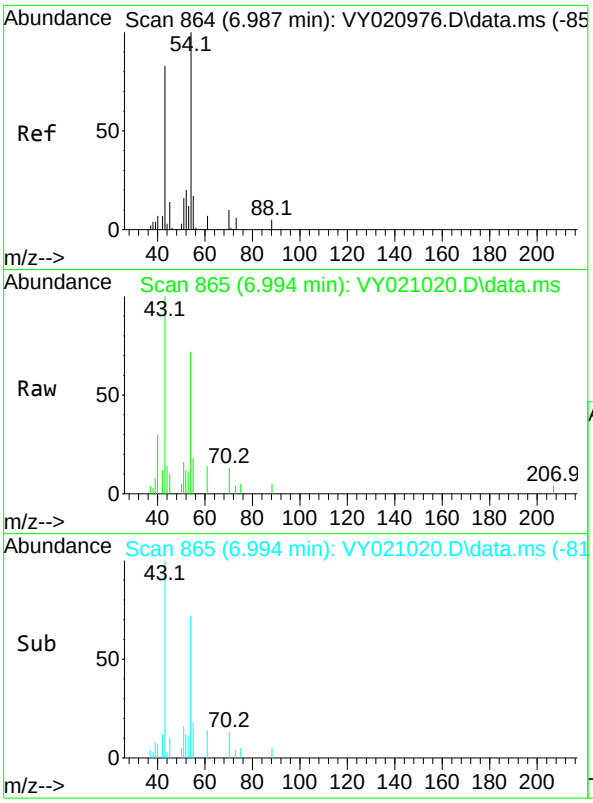




#36
1,1-Dichloropropene
Concen: 6.231 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 15667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 31.9 | 18.4 | 55.2 |
| 77 | 30.6 | 24.9 | 37.3 |



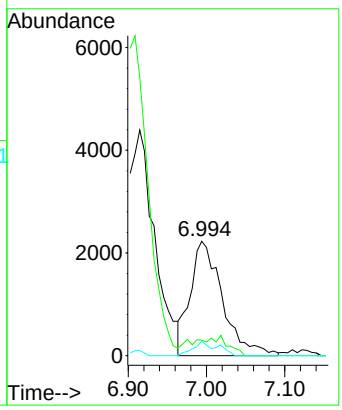


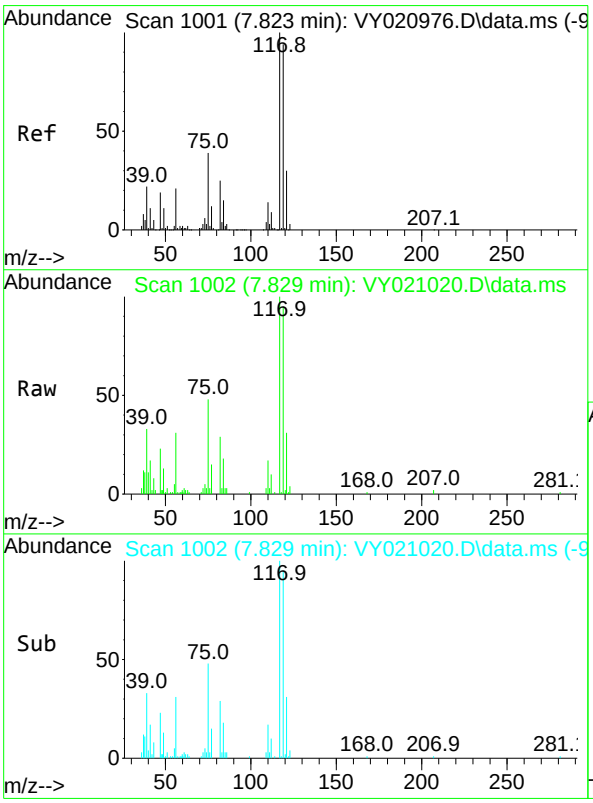

#37
Ethyl Acetate
Concen: 6.809 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 6383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 11.4 | 17.0# |
| 70 | 6.2 | 9.6 | 14.4# |

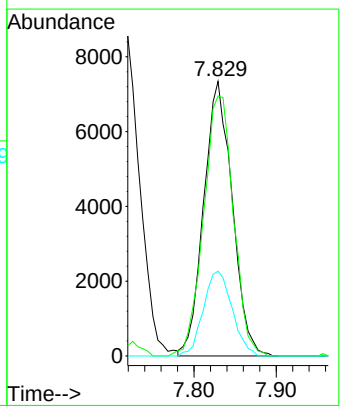


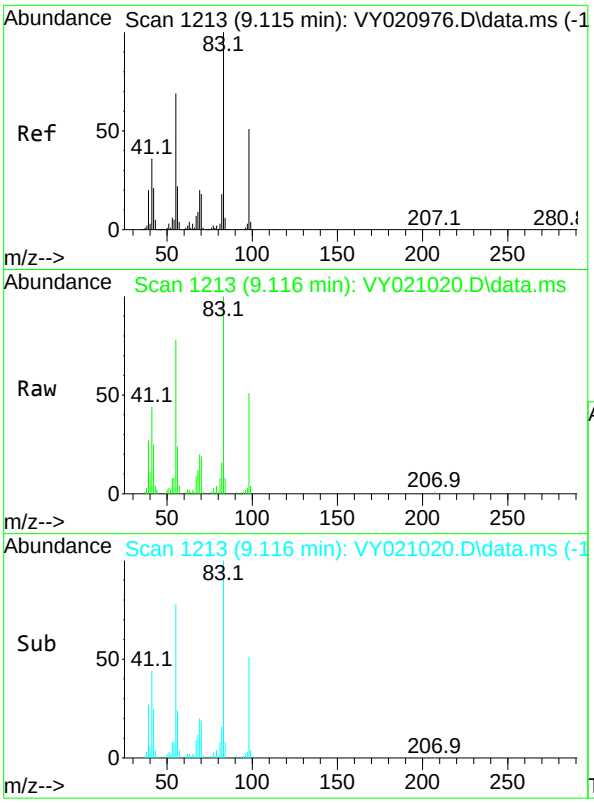




#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 17709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 75.0 | 112.6 |
| 121 | 30.9 | 24.2 | 36.2 |



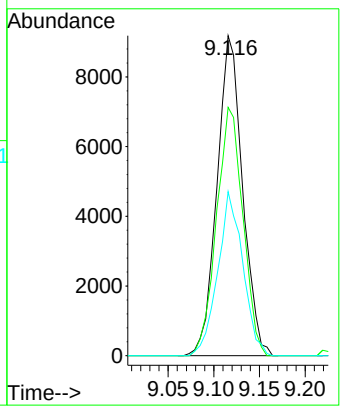


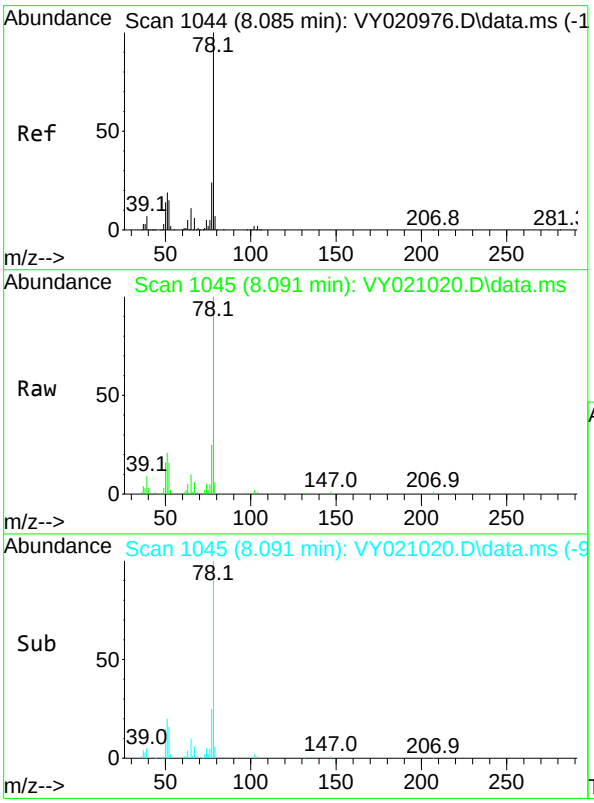

#39
Methylcyclohexane
Concen: 5.287 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 17860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.6 | 54.9 | 82.3 |
| 98 | 51.3 | 40.5 | 60.7 |

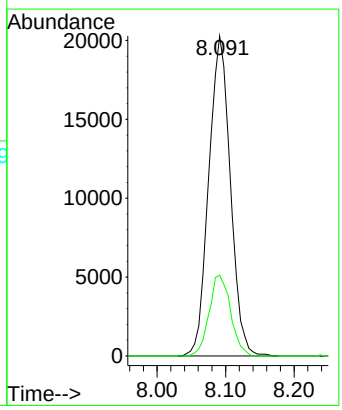


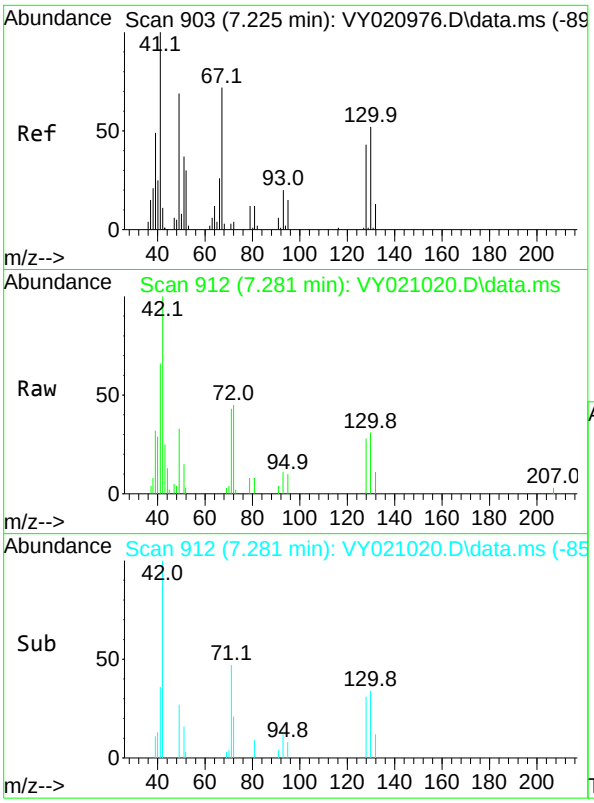




#40
Benzene
Concen: 5.991 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 78 Resp: 44324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.2 | 19.4 | 29.2 |



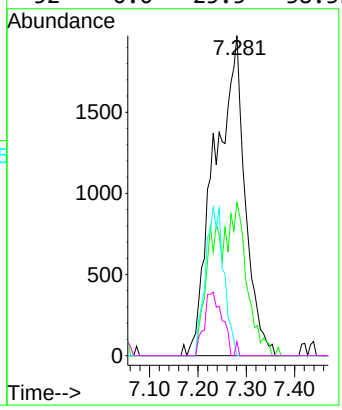


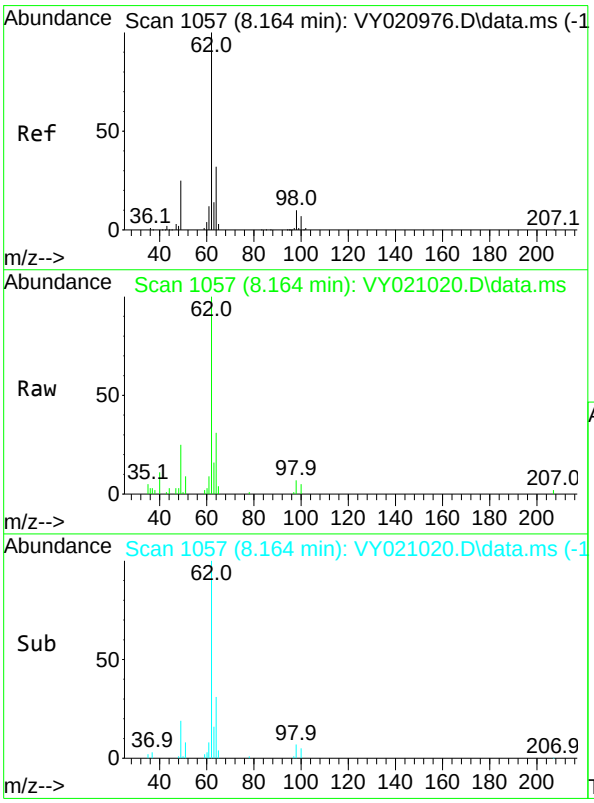

#41
Methacrylonitrile
Concen: 16.526 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.055 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 41 Resp: 8572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 41.6 | 62.4# |
| 67 | 0.0 | 63.8 | 95.6# |
| 52 | 0.0 | 25.5 | 38.3# |

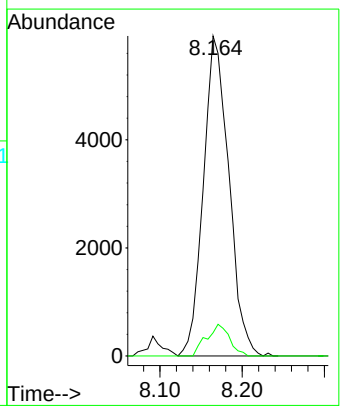


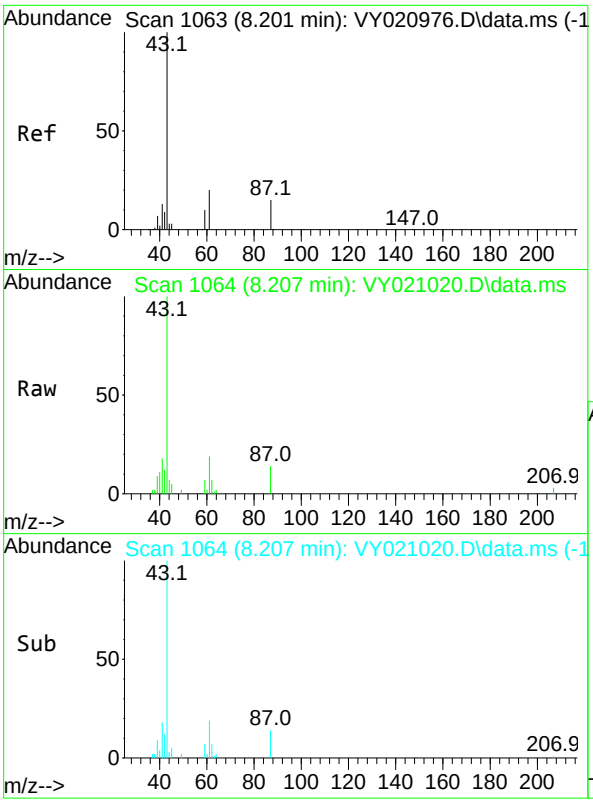




#42
1,2-Dichloroethane
Concen: 6.801 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 62 Resp: 12762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 19.4 |



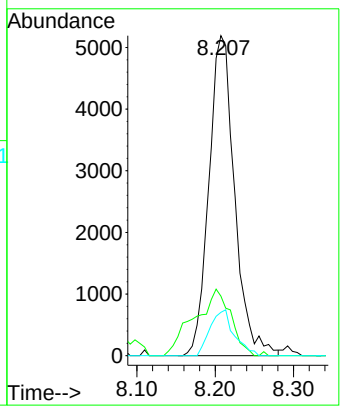


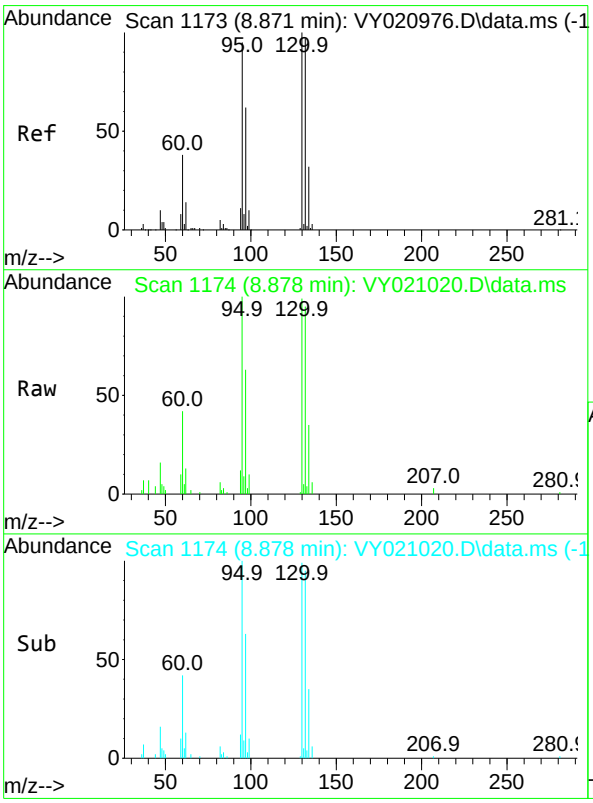

#43
Isopropyl Acetate
Concen: 6.321 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 11839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 29.5 | 15.8 | 23.6# |
| 87 | 13.3 | 12.5 | 18.7 |

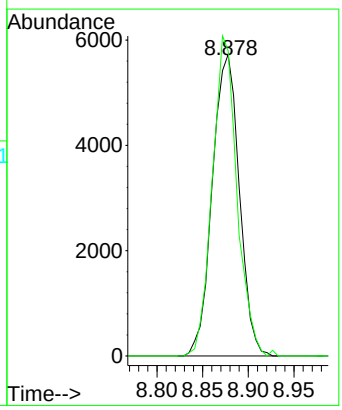


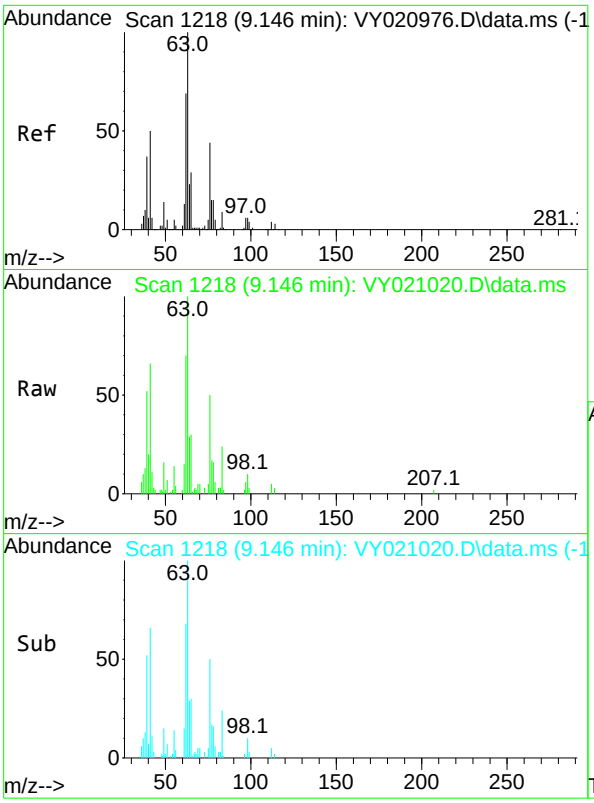




#44
Trichloroethene
Concen: 5.756 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:130 Resp: 11751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.2 | 0.0 | 189.6 |



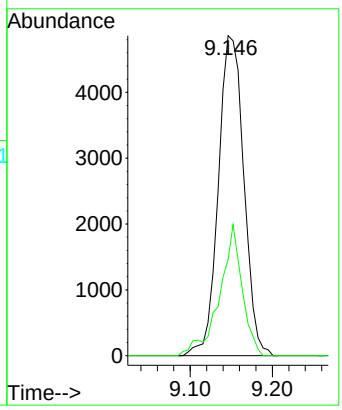


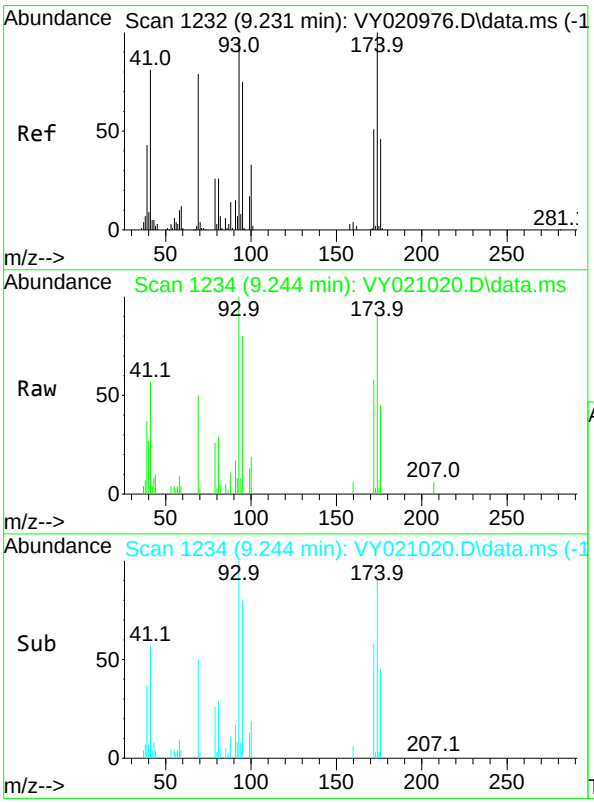

#45
1,2-Dichloropropane
Concen: 6.318 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 63 Resp: 10477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.1 | 23.6 | 35.4 |

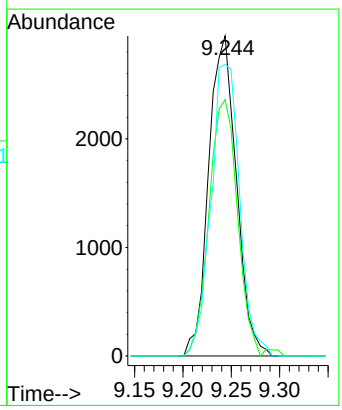


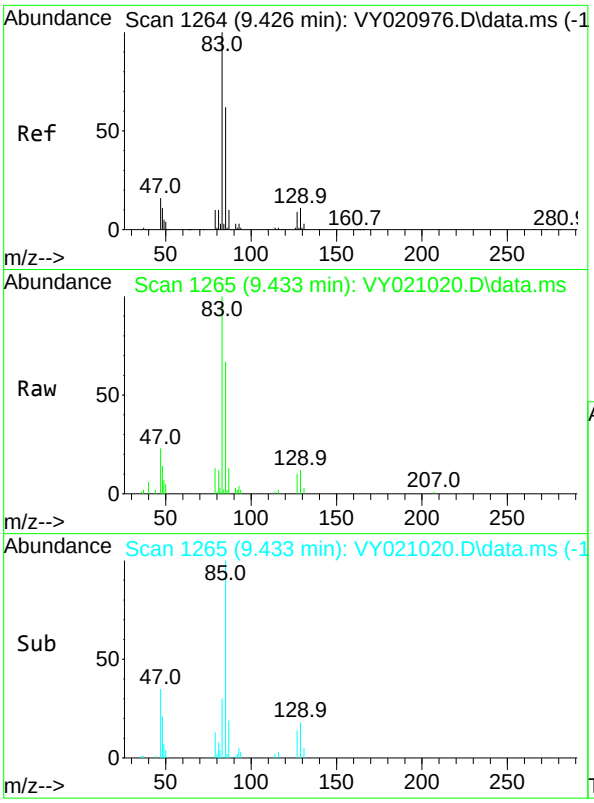




#46
Dibromomethane
Concen: 6.098 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 93 Resp: 5885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.6 | 65.8 | 98.8 |
| 174 | 94.4 | 88.1 | 132.1 |



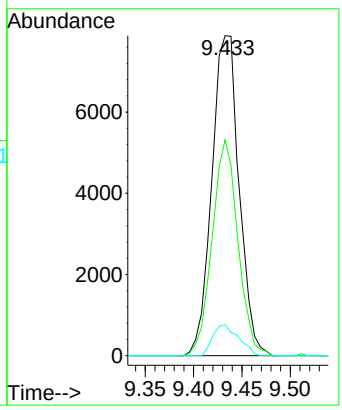


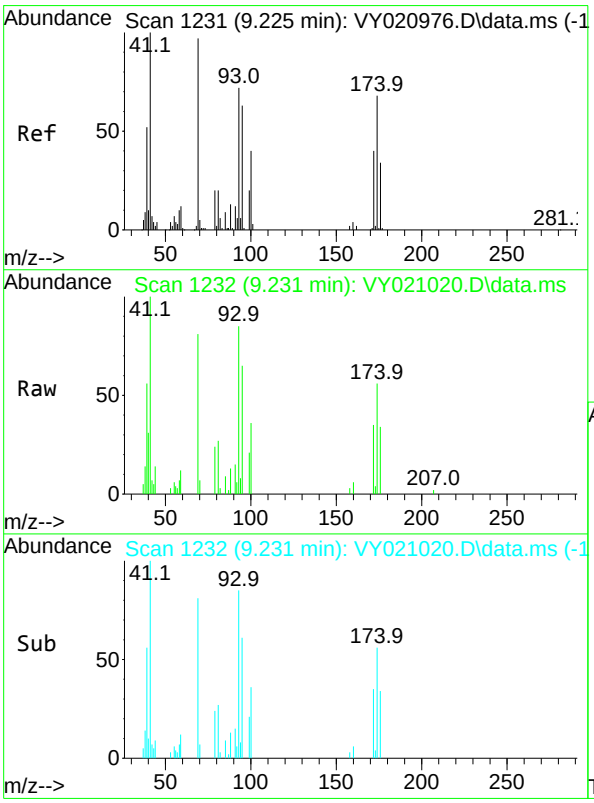

#47
Bromodichloromethane
Concen: 6.107 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 15477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.5 | 49.6 | 74.4 |
| 127 | 9.6 | 7.1 | 10.7 |

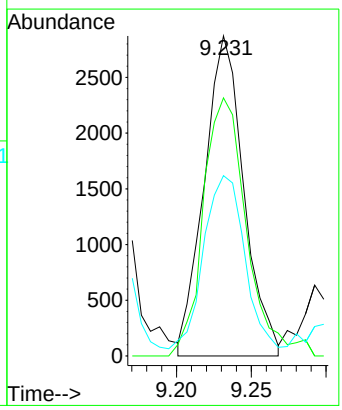


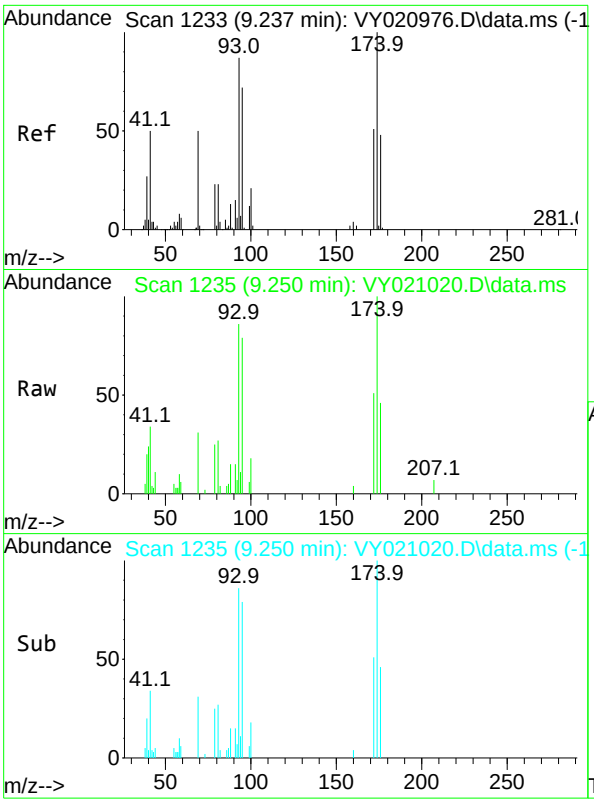




#48
Methyl methacrylate
Concen: 5.922 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 41 Resp: 5280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 88.4 | 75.6 | 113.4 |
| 39 | 56.6 | 41.3 | 61.9 |



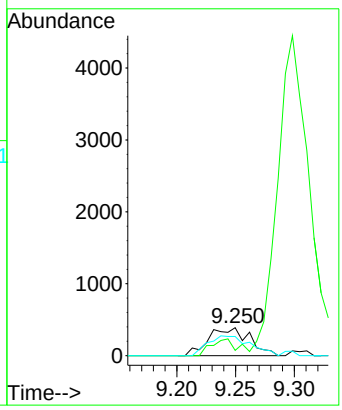


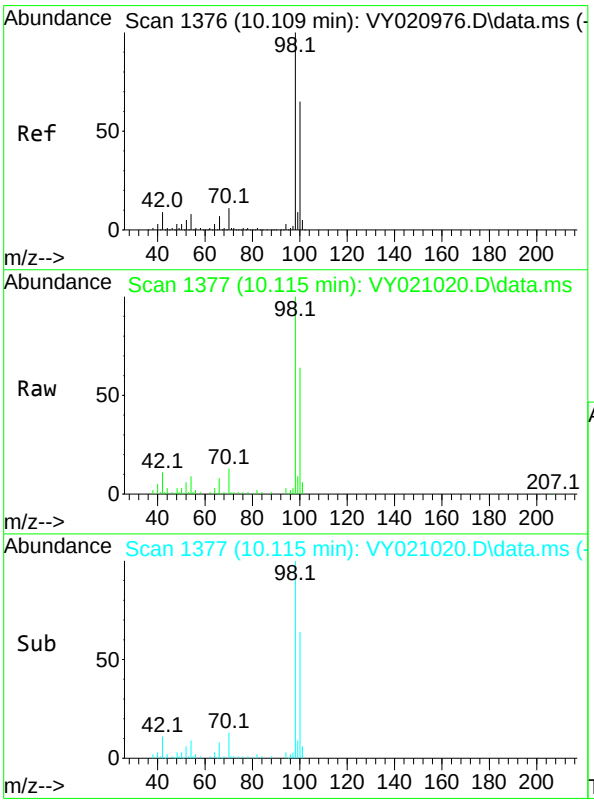

#49
1,4-Dioxane
Concen: 91.663 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 88 Resp: 940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.6 | 24.2 | 36.4# |
| 58 | 73.5 | 57.3 | 85.9 |

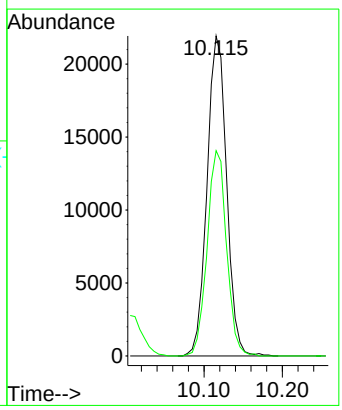


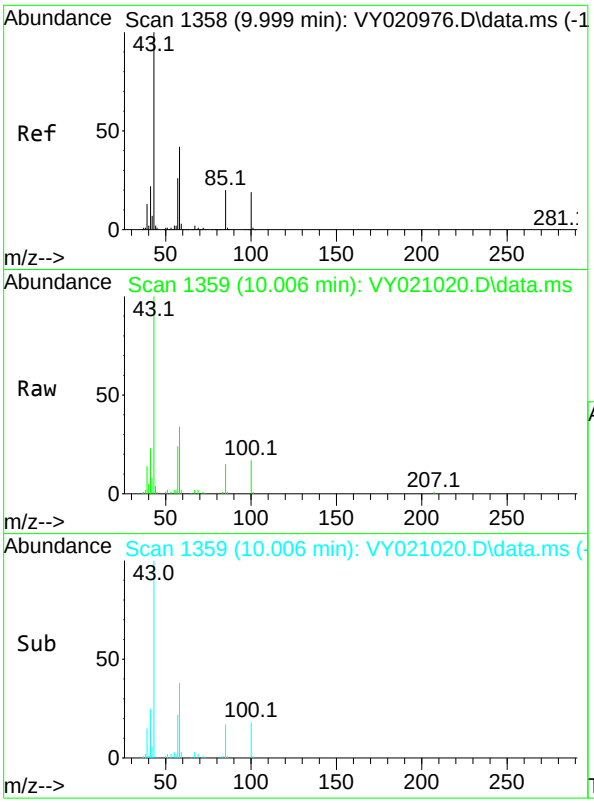




#50
Toluene-d8
Concen: 5.520 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 98 Resp: 37973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 52.6 | 79.0 |



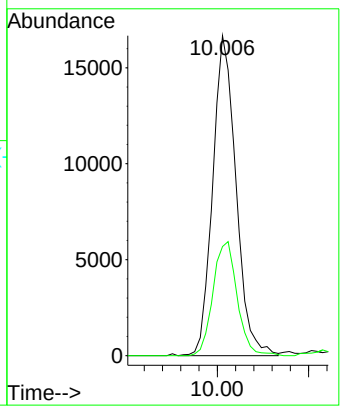


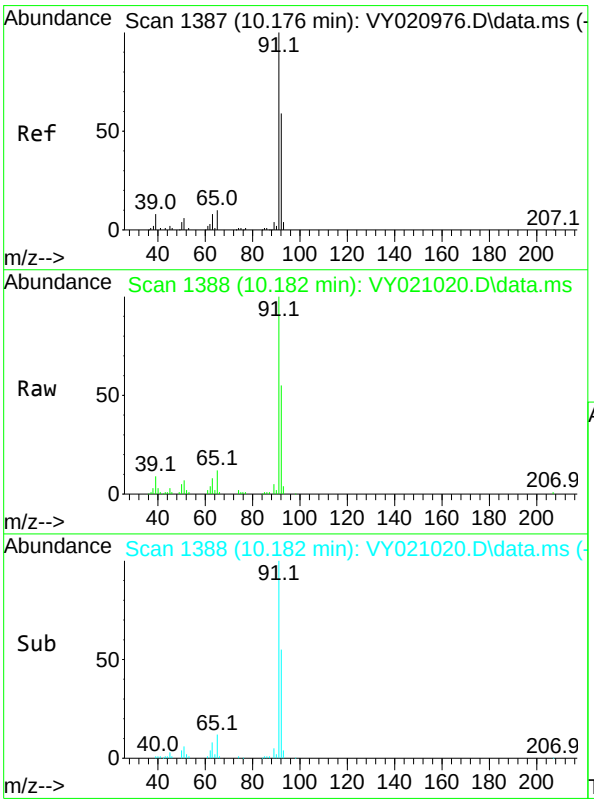

#51
4-Methyl-2-Pentanone
Concen: 30.730 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 29573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 33.8 | 50.8 |

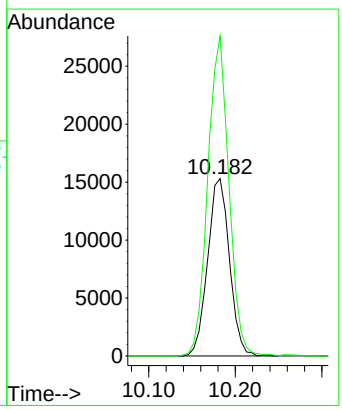


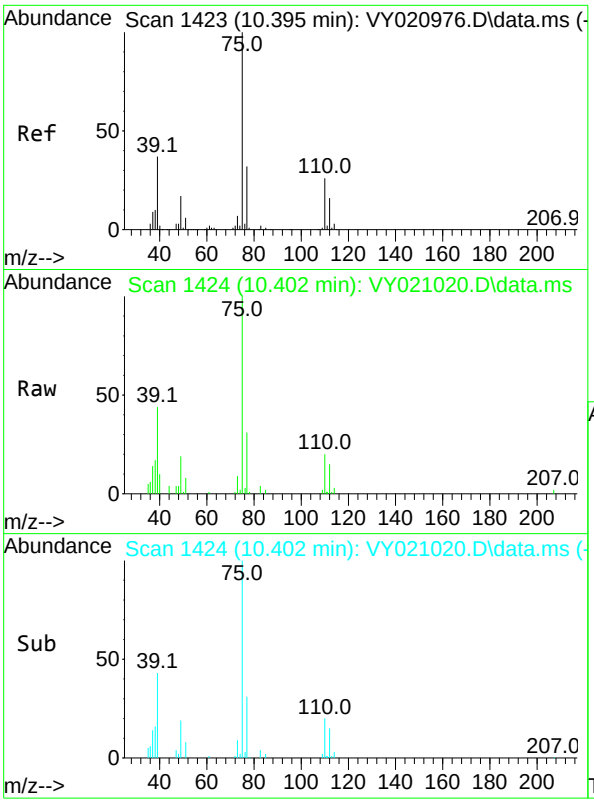




#52
Toluene
Concen: 5.572 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 92 Resp: 26760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.8 | 135.8 | 203.8 |



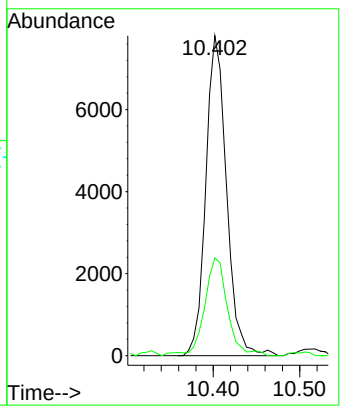


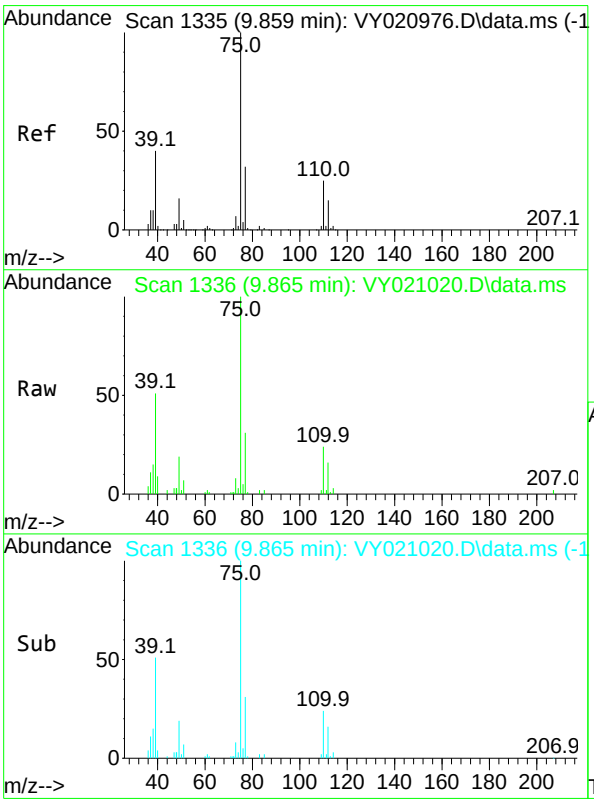

#53
t-1,3-Dichloropropene
Concen: 5.639 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 12933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 25.9 | 38.9 |

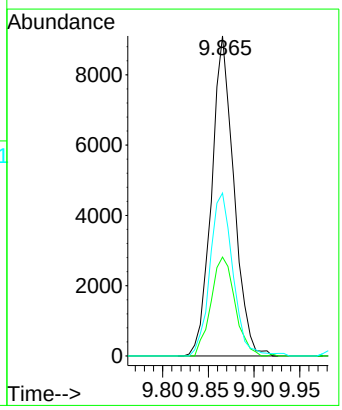


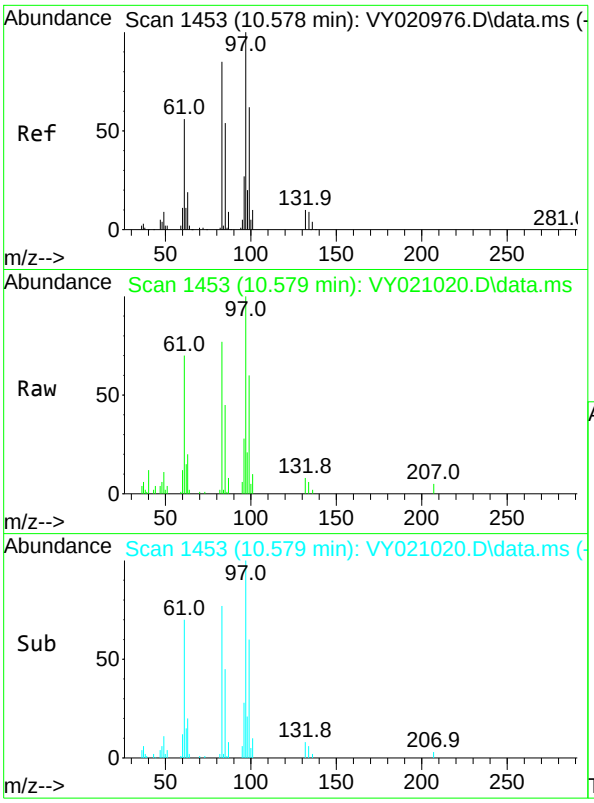




#54
cis-1,3-Dichloropropene
Concen: 5.650 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 15488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.4 | 38.0 |
| 39 | 50.9 | 32.2 | 48.2# |



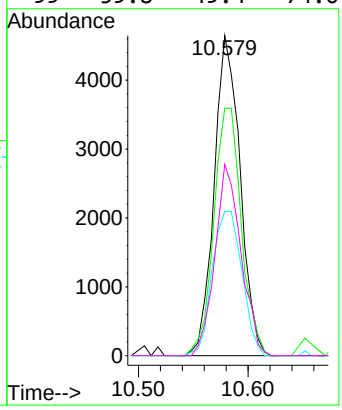


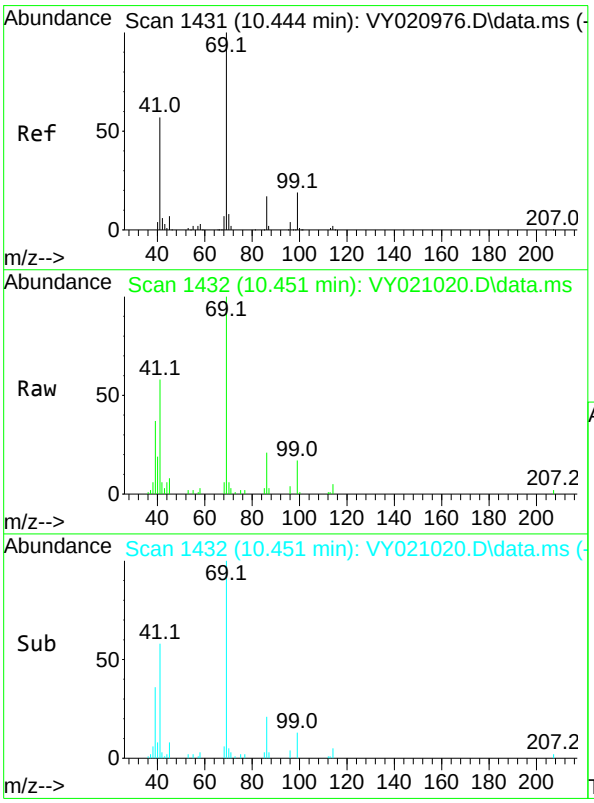

#55
1,1,2-Trichloroethane
Concen: 5.961 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 97 Resp: 7651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 77.3 | 67.7 | 101.5 |
| 85 | 45.1 | 43.4 | 65.2 |
| 99 | 59.8 | 49.4 | 74.0 |

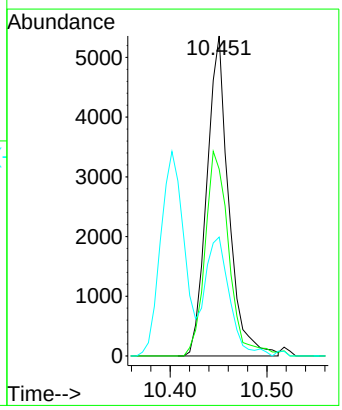


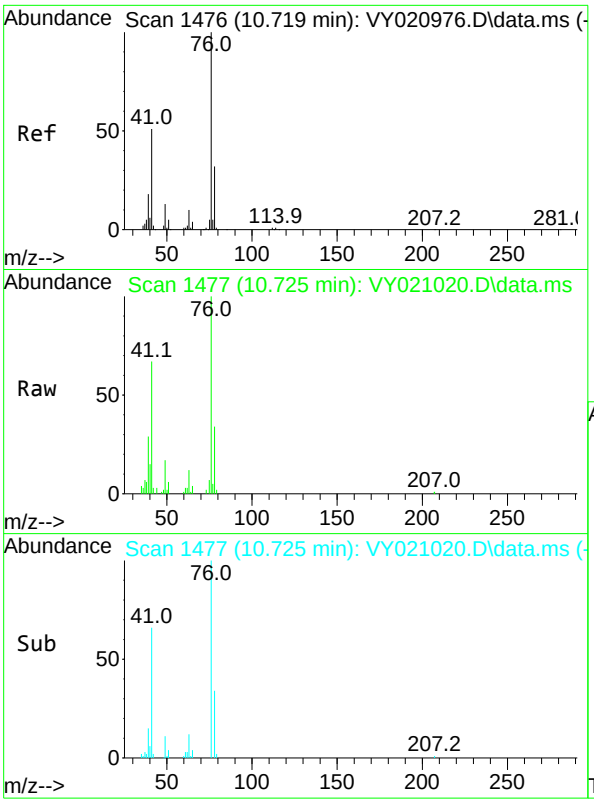




#56
Ethyl methacrylate
Concen: 5.018 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 69 Resp: 8418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.1 | 46.3 | 69.5# |
| 39 | 41.3 | 24.5 | 36.7# |



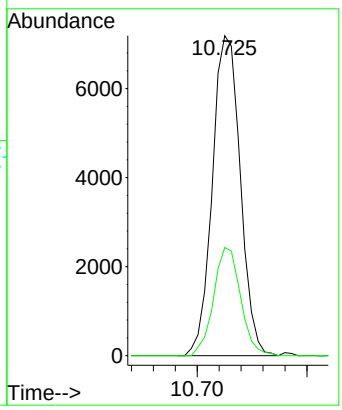


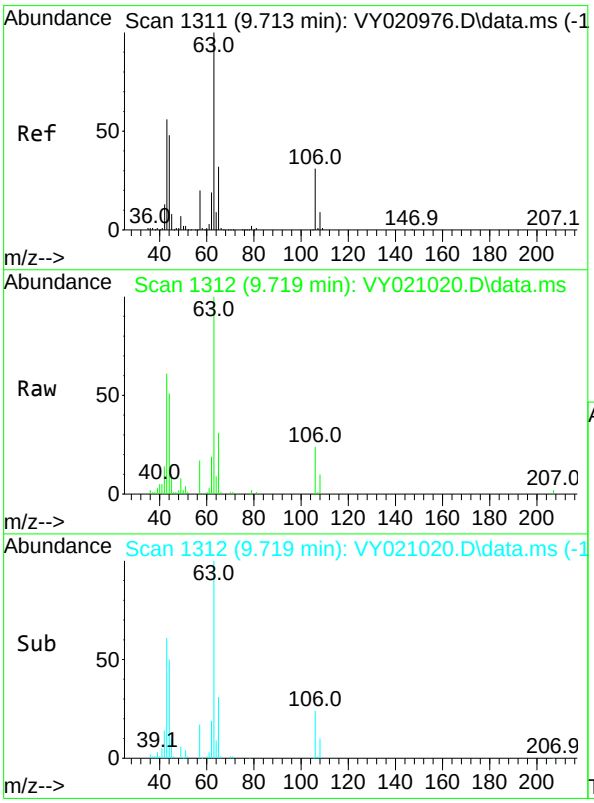

#57
1,3-Dichloropropane
Concen: 5.845 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 12714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 25.8 | 38.6 |

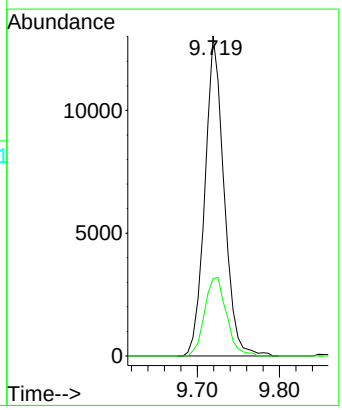


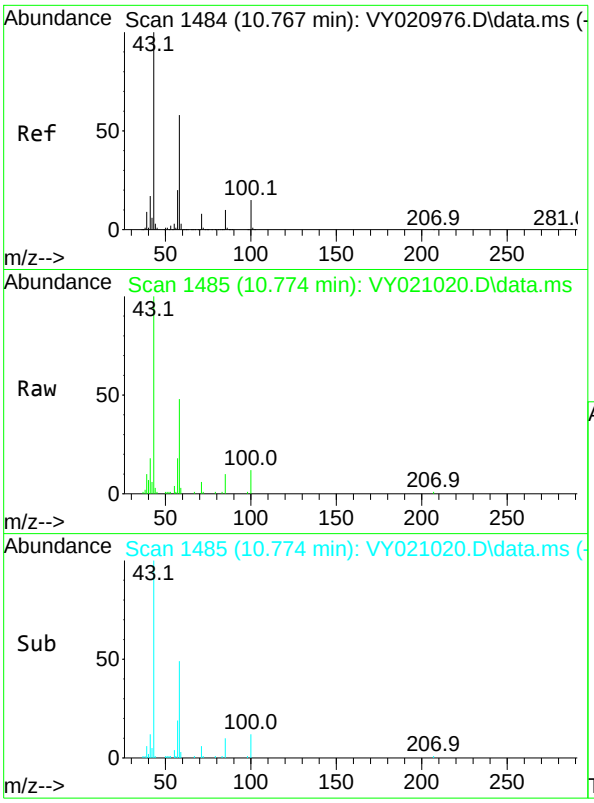




#58
2-Chloroethyl Vinyl ether
Concen: 29.542 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 63 Resp: 21035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.1 | 24.7 | 37.1 |



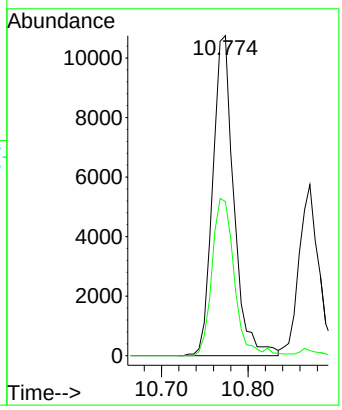


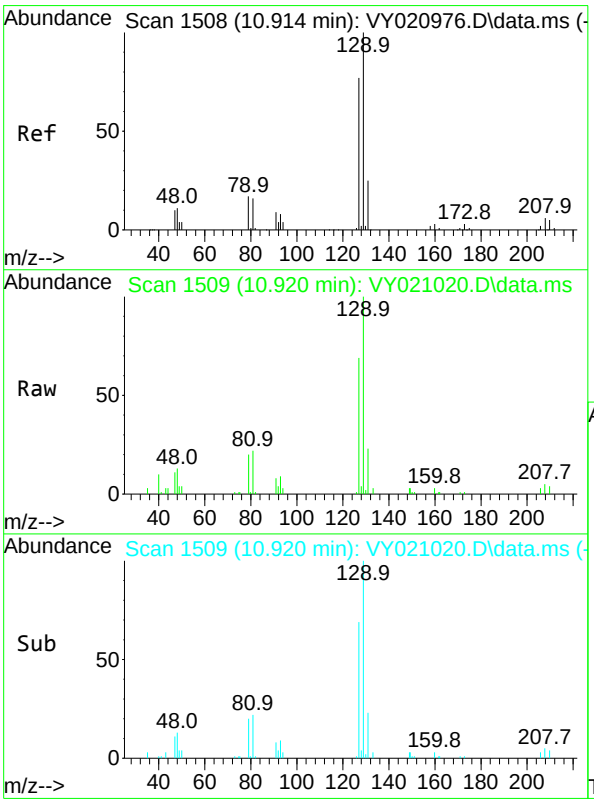

#59
2-Hexanone
Concen: 29.030 ug/l
RT: 10.774 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 18159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.9 | 29.8 | 89.3 |

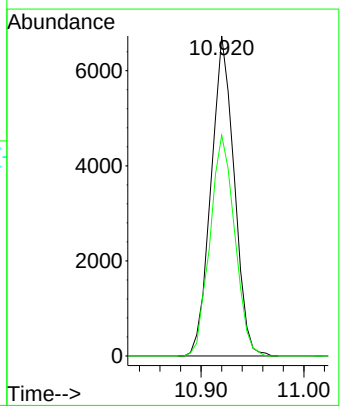


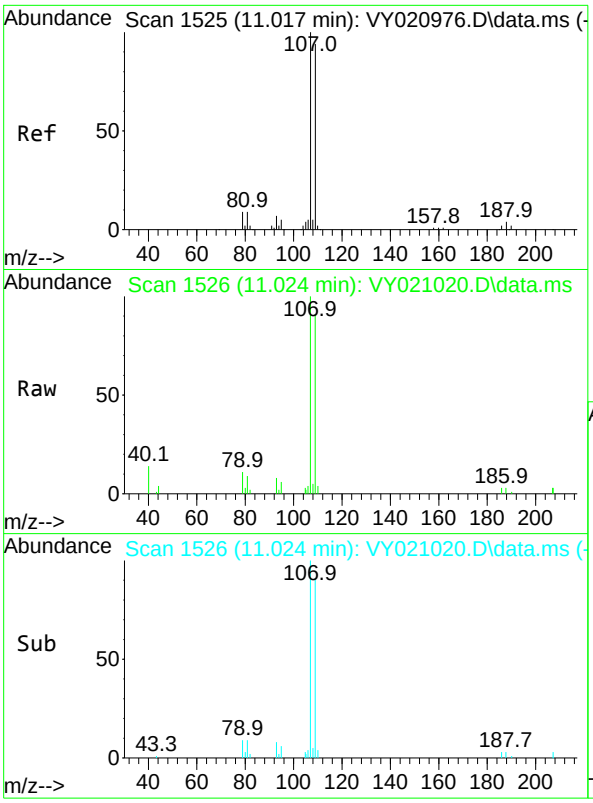




#60
Dibromochloromethane
Concen: 5.744 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:129 Resp: 10511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 73.5 | 38.5 | 115.3 |



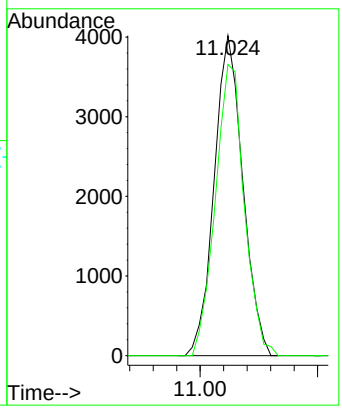


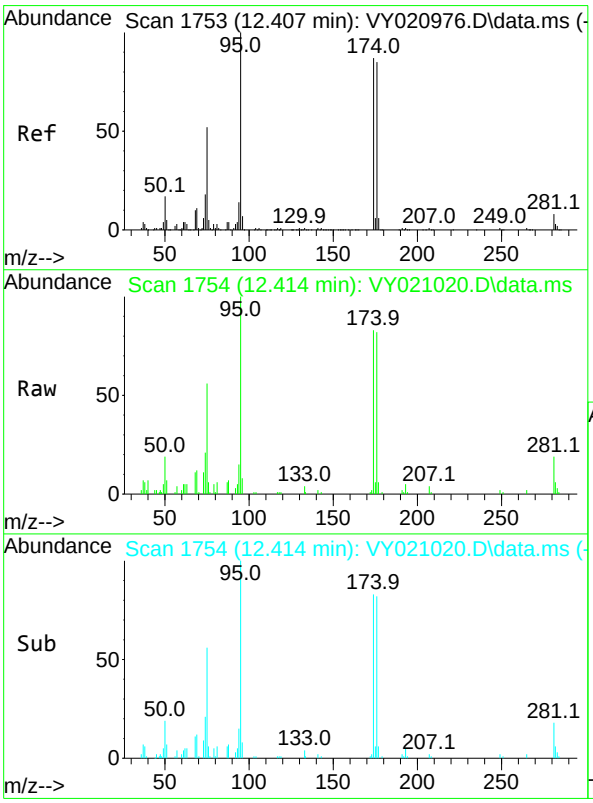

#61
1,2-Dibromoethane
Concen: 5.555 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:107 Resp: 6810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.9 | 76.6 | 114.8 |

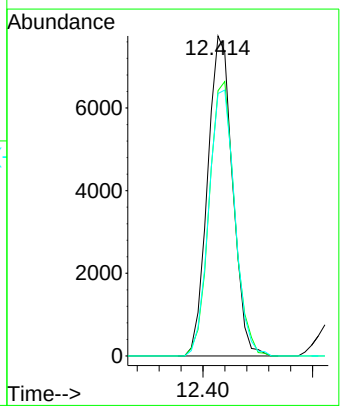


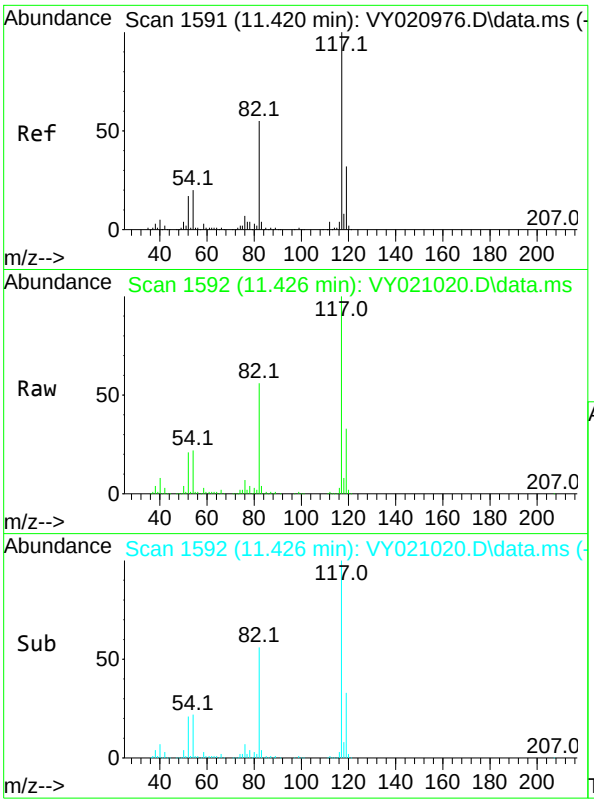




#62
4-Bromofluorobenzene
Concen: 5.301 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 95 Resp: 12237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 87.1 | 0.0 | 181.2 |
| 176 | 86.6 | 0.0 | 175.2 |



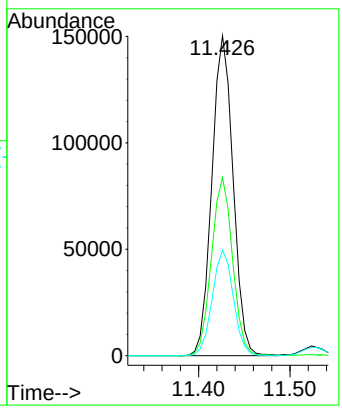


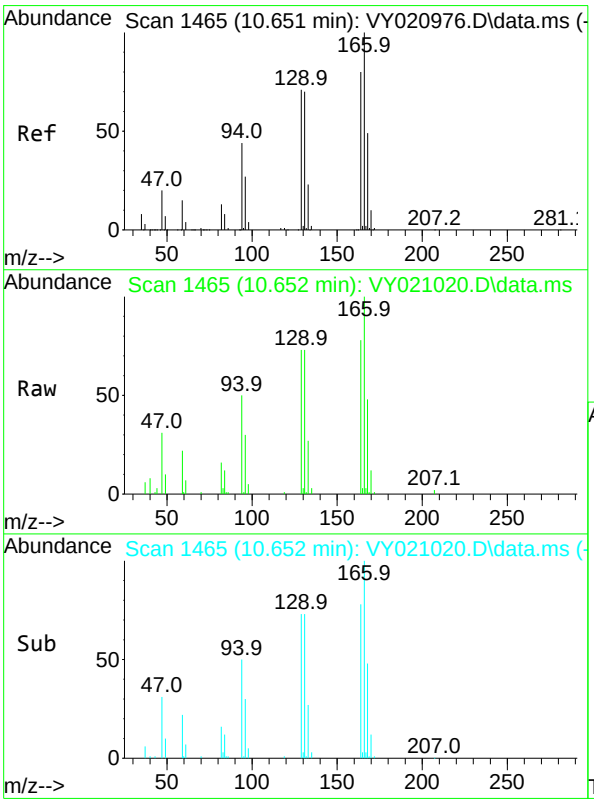

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:117 Resp: 242257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 44.2 | 66.2 |
| 119 | 33.0 | 25.9 | 38.9 |

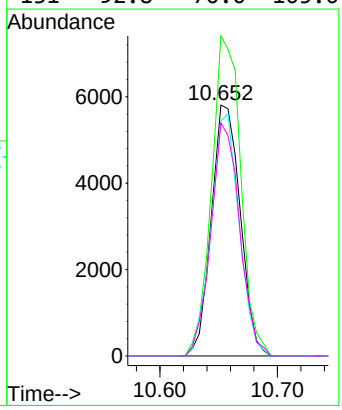


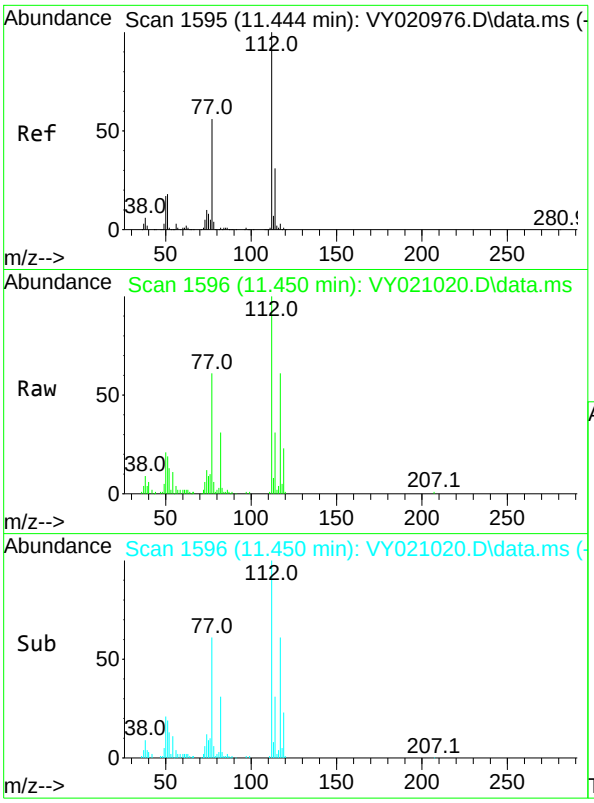




#64
Tetrachloroethene
Concen: 5.426 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:164 Resp: 9915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.6 | 100.4 | 150.6 |
| 129 | 93.7 | 70.8 | 106.2 |
| 131 | 92.8 | 70.0 | 105.0 |



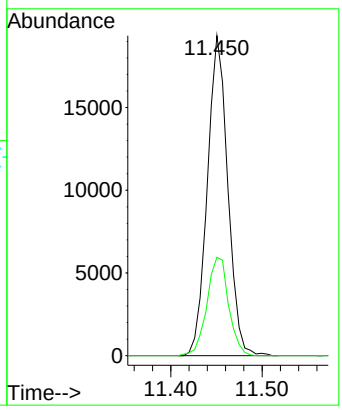


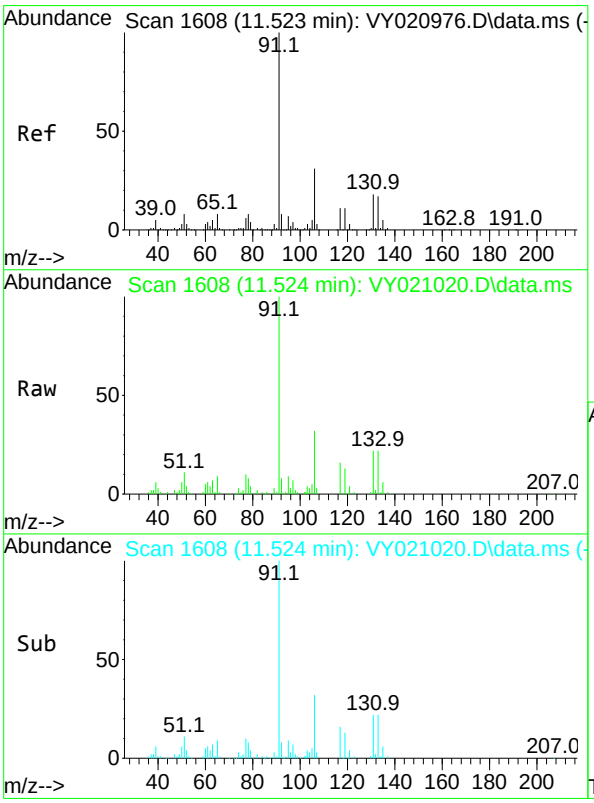

#65
Chlorobenzene
Concen: 5.872 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:112 Resp: 29973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.8 | 24.6 | 37.0 |

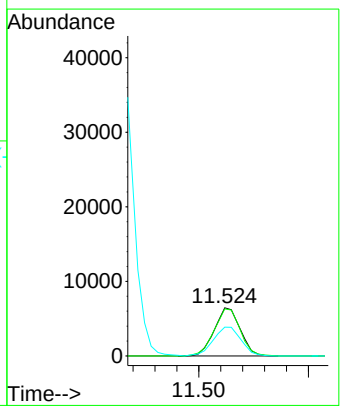


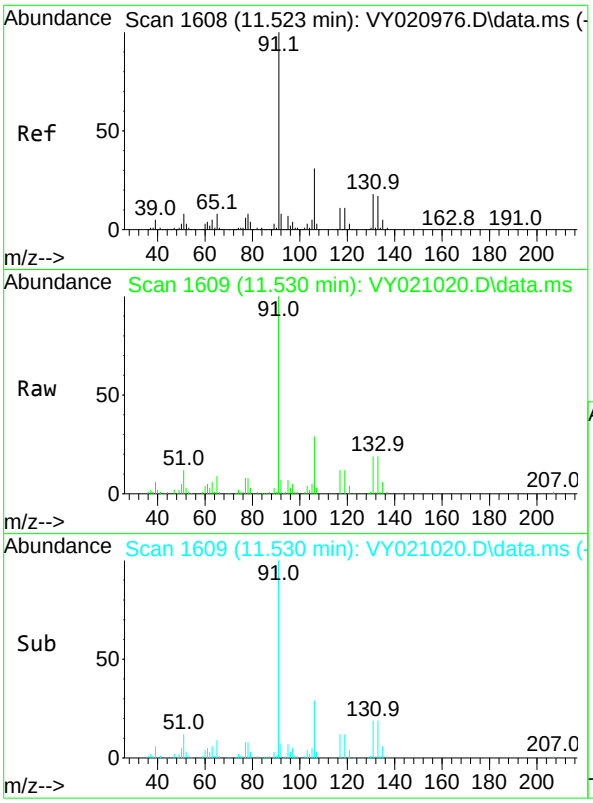




#66
1,1,1,2-Tetrachloroethane
Concen: 5.810 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:131 Resp: 10524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 99.6 | 48.7 | 146.1 |
| 119 | 64.8 | 31.4 | 94.3 |



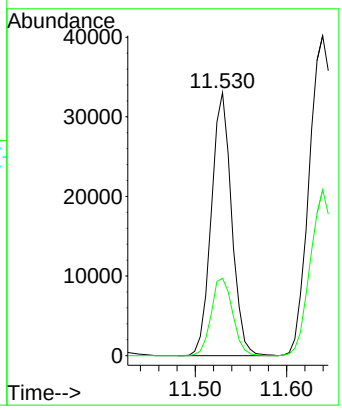


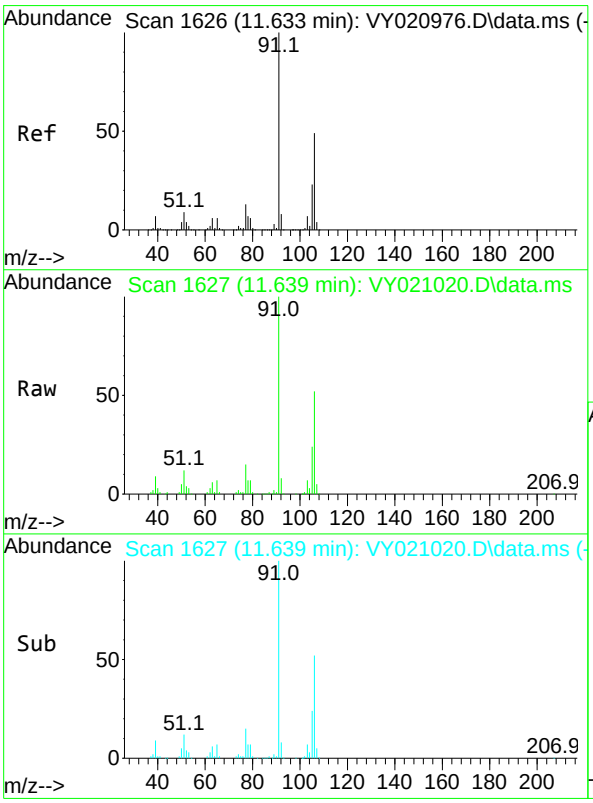

#67
Ethyl Benzene
Concen: 5.760 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 50904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.4 | 24.9 | 37.3 |

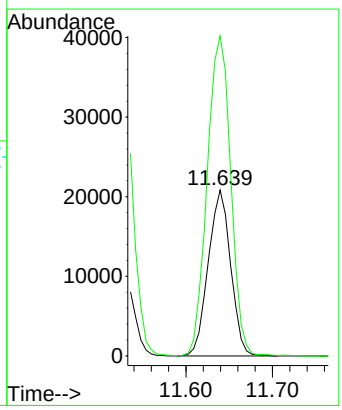


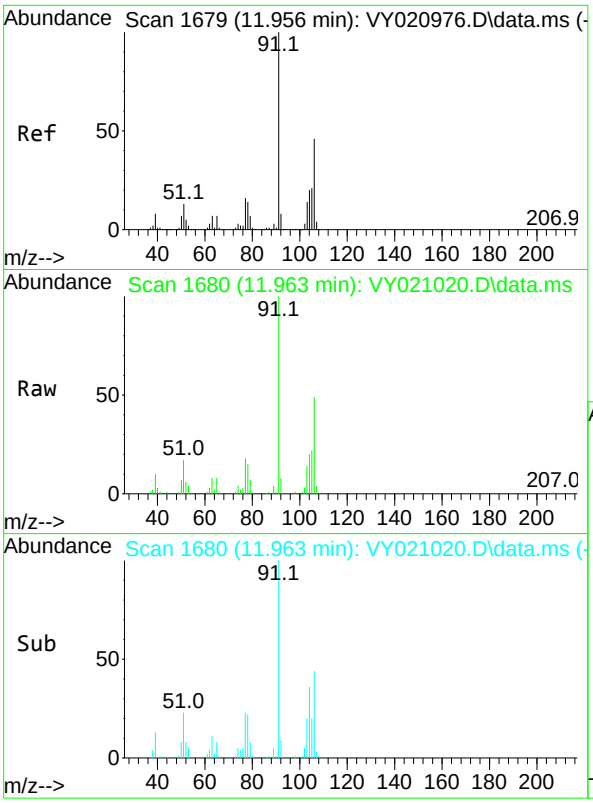




#68
m/p-Xylenes
Concen: 11.015 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:106 Resp: 37399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.1 | 160.0 | 240.0 |



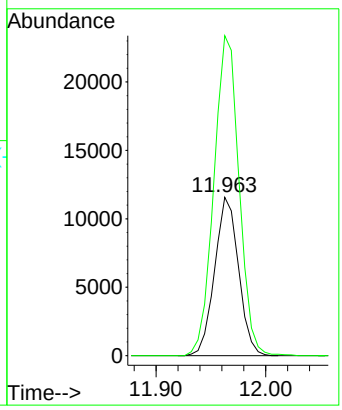


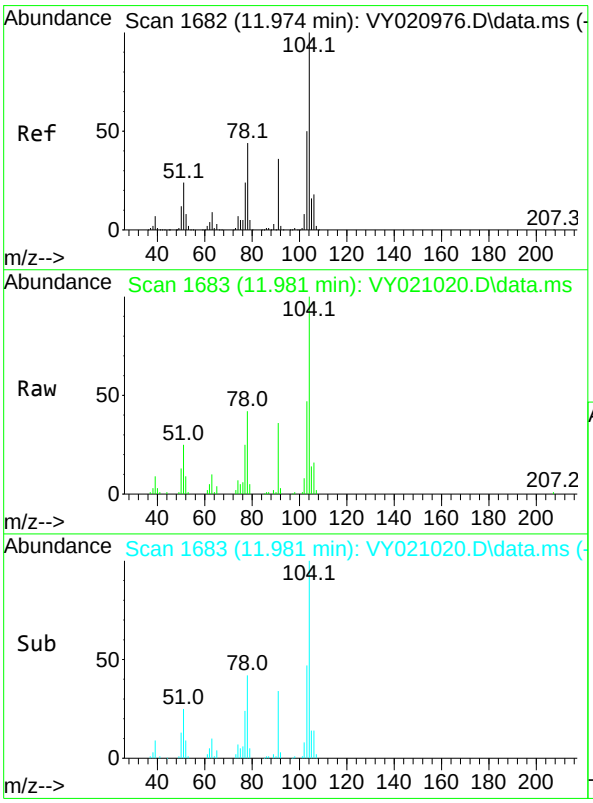

#69
o-Xylene
Concen: 5.550 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:106 Resp: 17519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.9 | 105.8 | 317.6 |

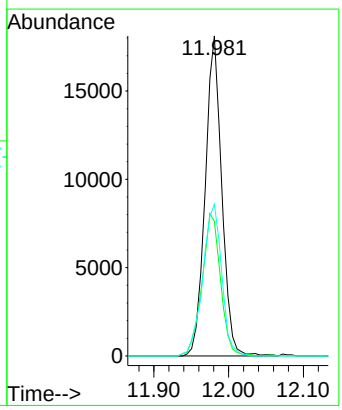


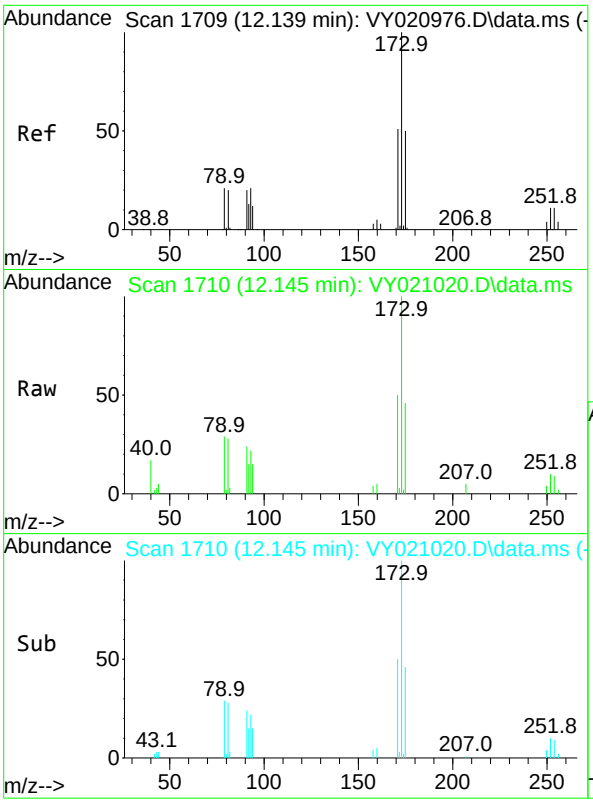




#70
Styrene
Concen: 5.333 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:104 Resp: 27946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.7 | 39.0 | 58.4 |
| 103 | 54.1 | 43.7 | 65.5 |



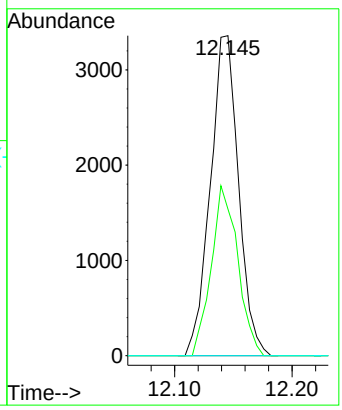


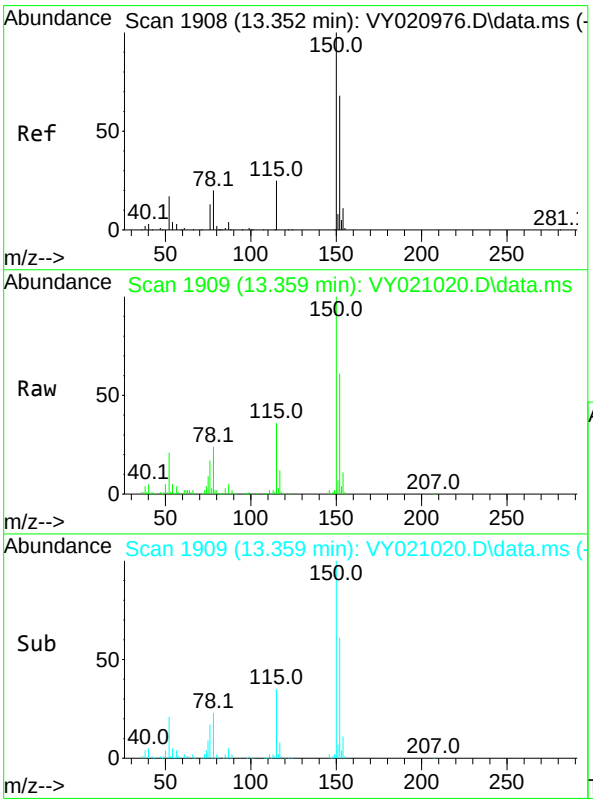

#71
Bromoform
Concen: 5.252 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:173 Resp: 5607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.8 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

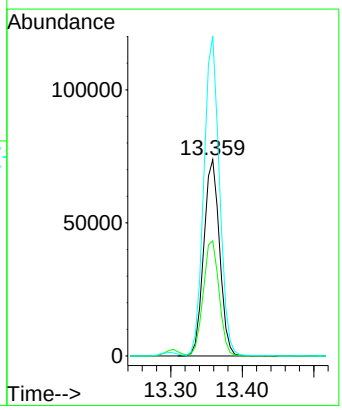


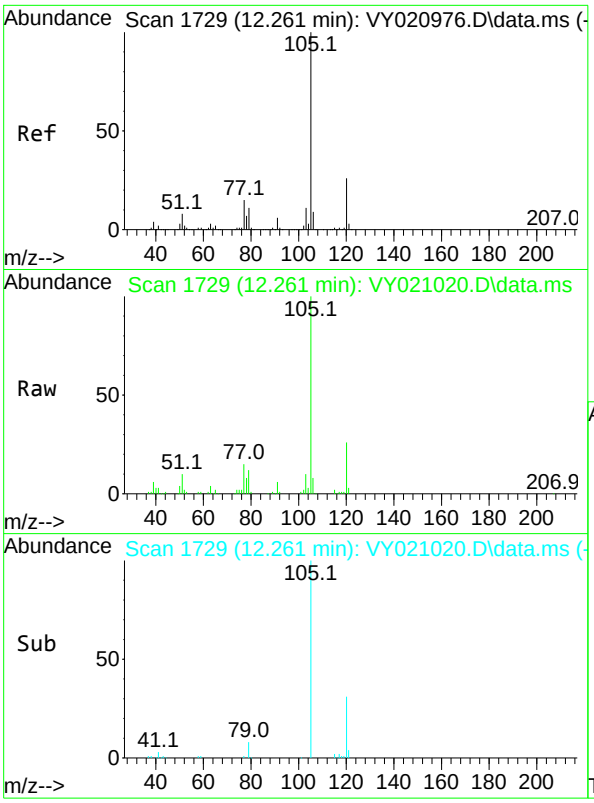




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:152 Resp: 113107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.9 | 28.4 | 85.2 |
| 150 | 160.9 | 0.0 | 342.8 |



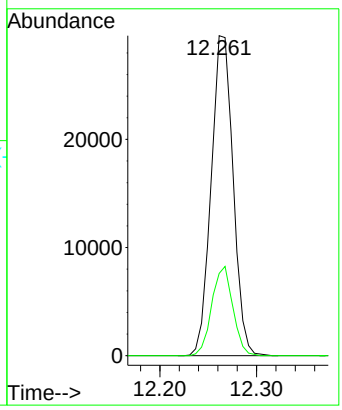


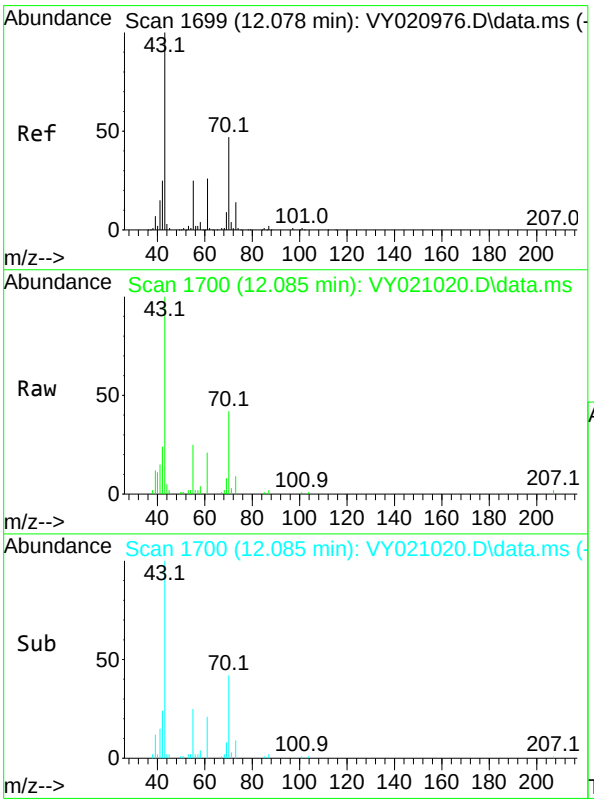

#73
Isopropylbenzene
Concen: 5.869 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 46625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.7 | 13.4 | 40.2 |

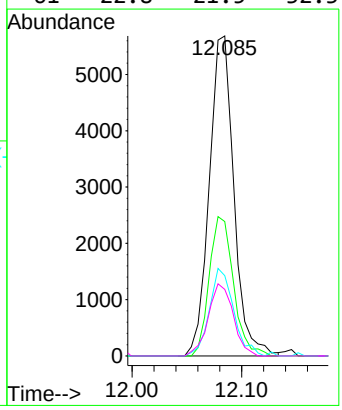


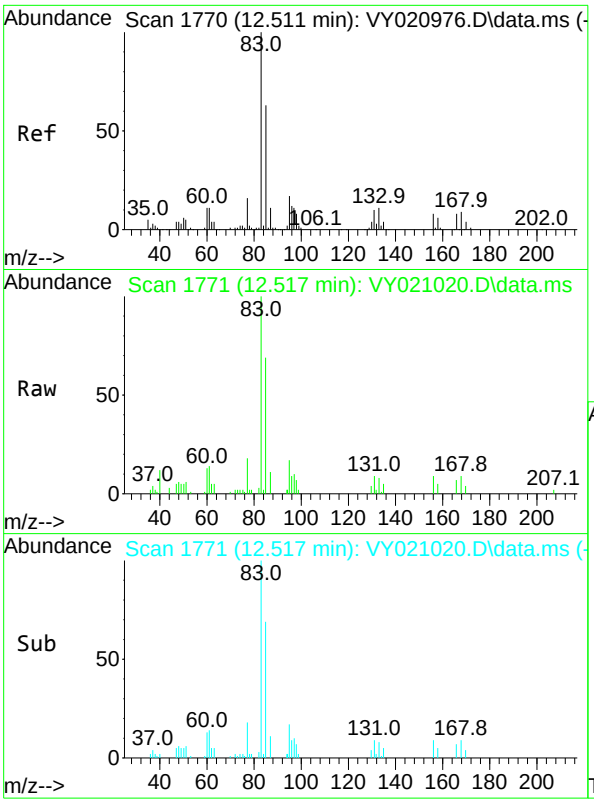




#74
N-amyl acetate
Concen: 6.144 ug/l
RT: 12.085 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 43 Resp: 8887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.9 | 39.3 | 58.9 |
| 55 | 26.8 | 22.3 | 33.5 |
| 61 | 22.8 | 21.5 | 32.3 |



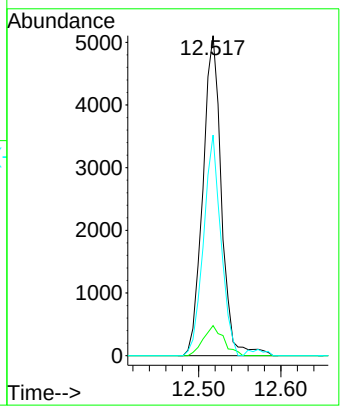


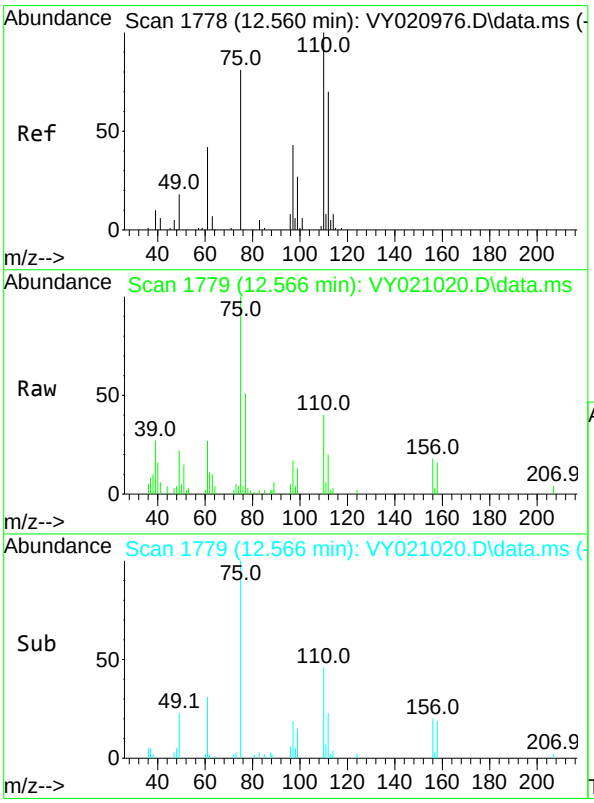

#75
1,1,2,2-Tetrachloroethane
Concen: 6.240 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 8001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 5.7 | 17.1 |
| 85 | 64.6 | 31.9 | 95.9 |

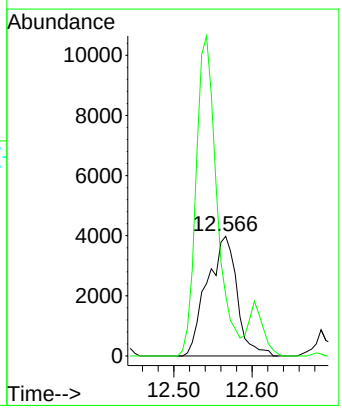


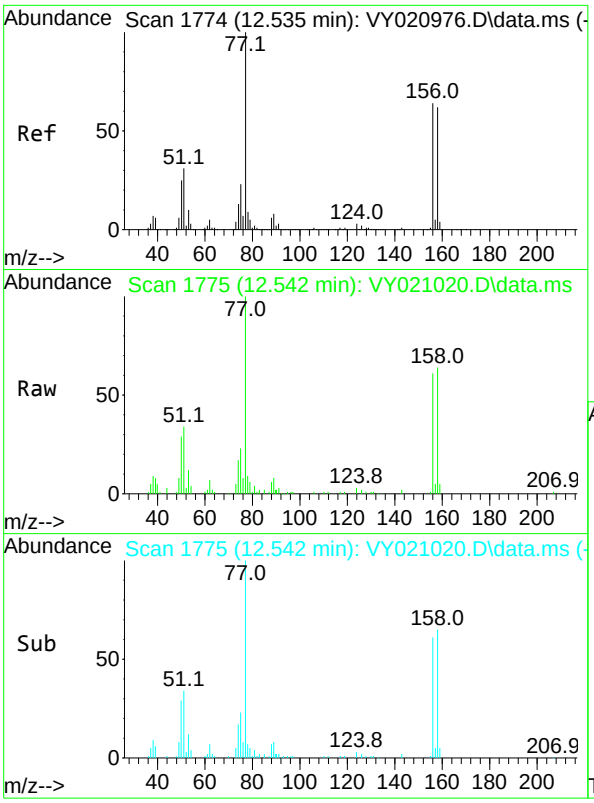




#76
1,2,3-Trichloropropane
Concen: 11.844 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 10605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



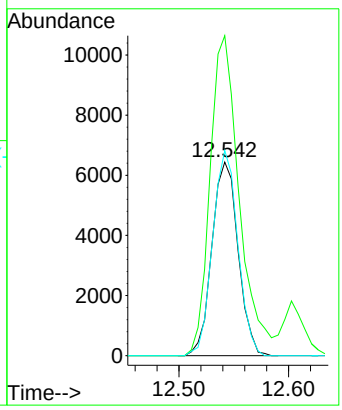


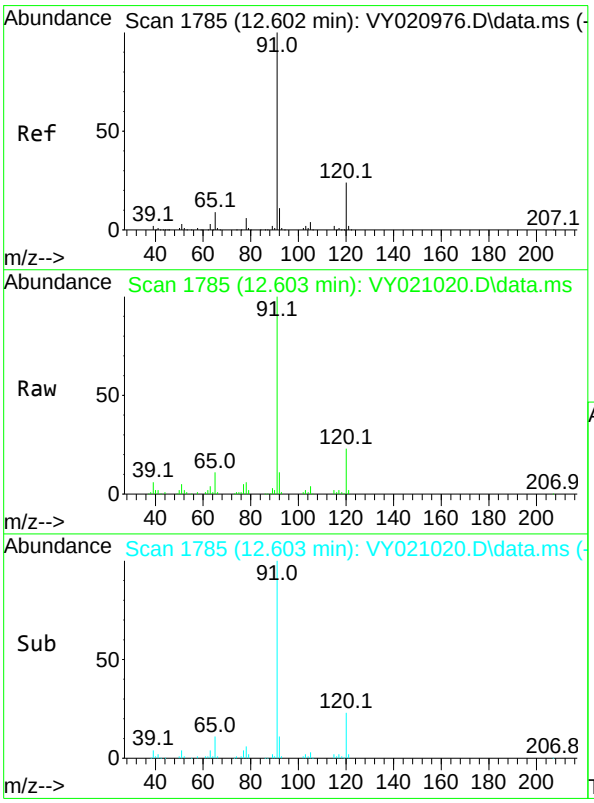

#77
Bromobenzene
Concen: 5.680 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:156 Resp: 10698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 183.8 | 83.3 | 249.9 |
| 158 | 101.9 | 48.3 | 144.9 |

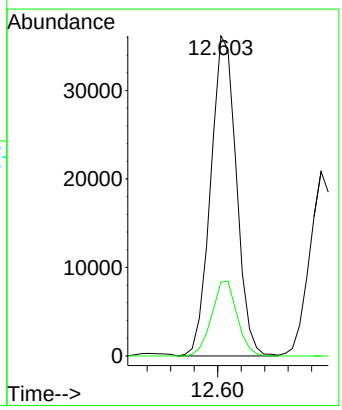


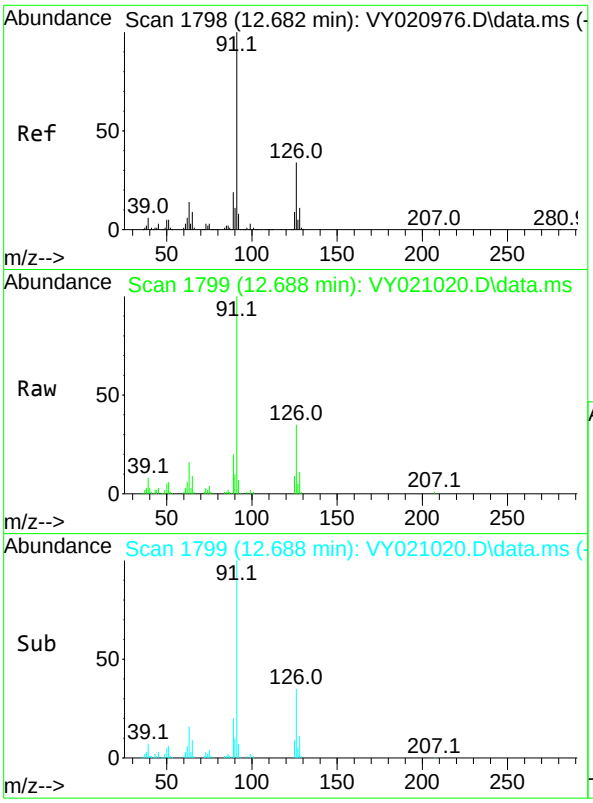




#78
n-propylbenzene
Concen: 5.907 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 54990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.2 | 11.8 | 35.4 |



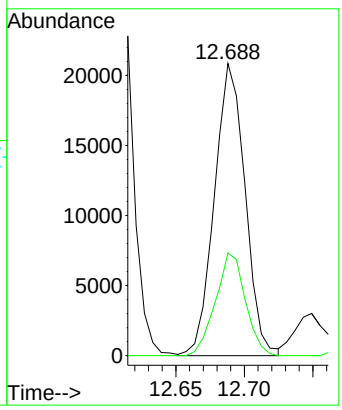


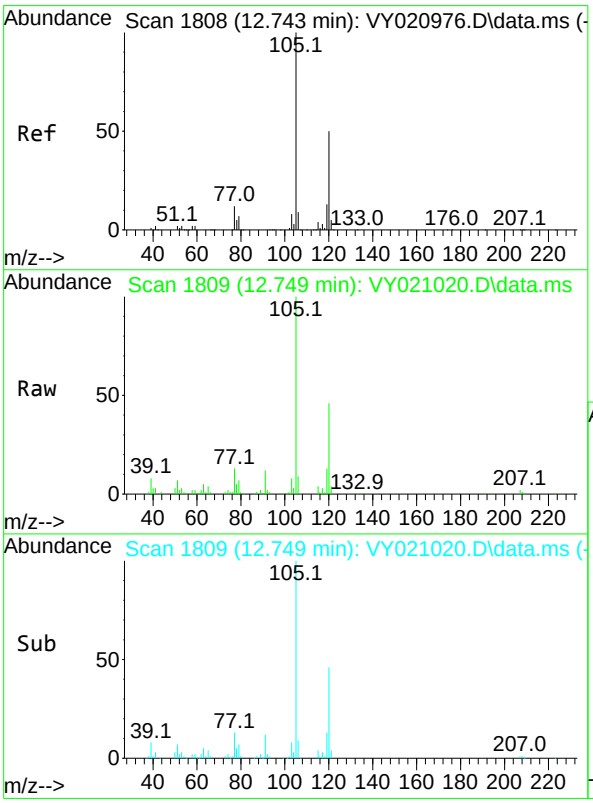

#79
2-Chlorotoluene
Concen: 6.123 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 32479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.2 | 17.3 | 51.9 |

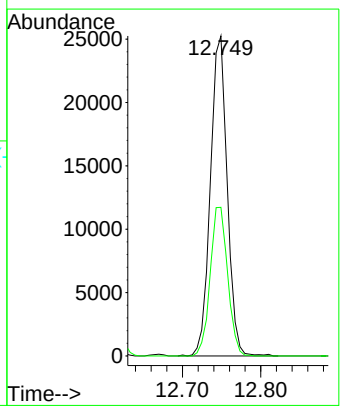


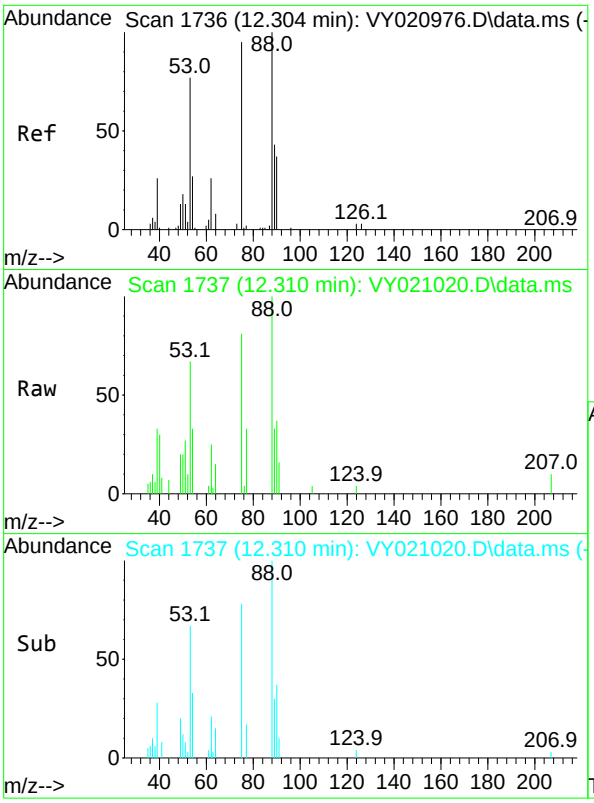




#80
1,3,5-Trimethylbenzene
Concen: 5.772 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 37564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.3 | 72.9 |



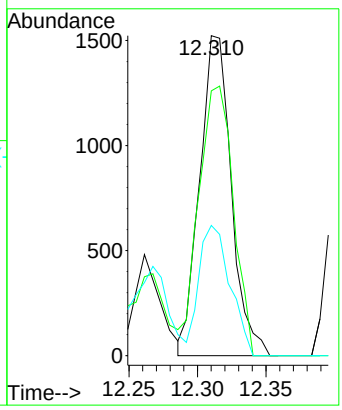


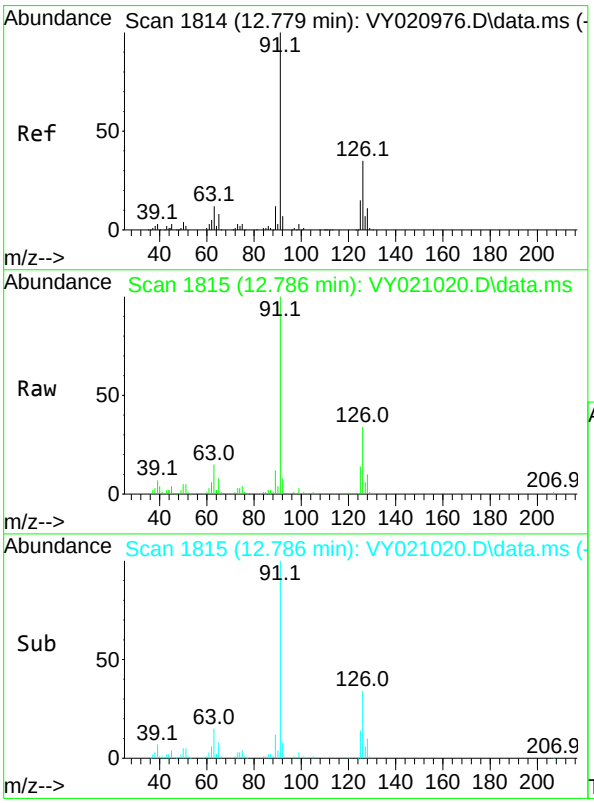

#81
trans-1,4-Dichloro-2-butene
Concen: 5.671 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 2446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 91.8 | 68.6 | 103.0 |
| 89 | 40.1 | 38.1 | 57.1 |

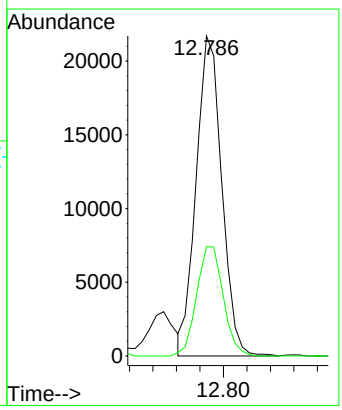


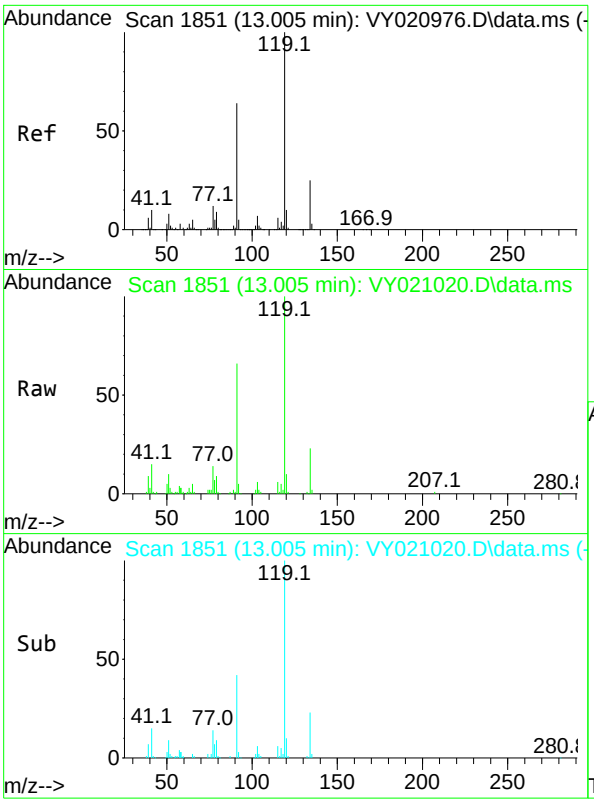




#82
4-Chlorotoluene
Concen: 6.046 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 91 Resp: 32824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 35.5 | 17.3 | 52.0 |



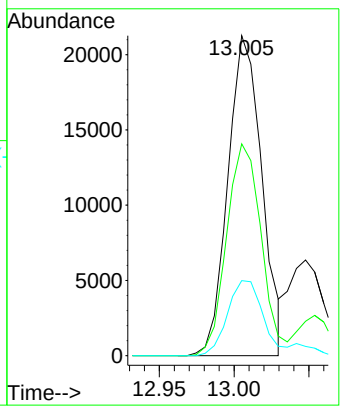


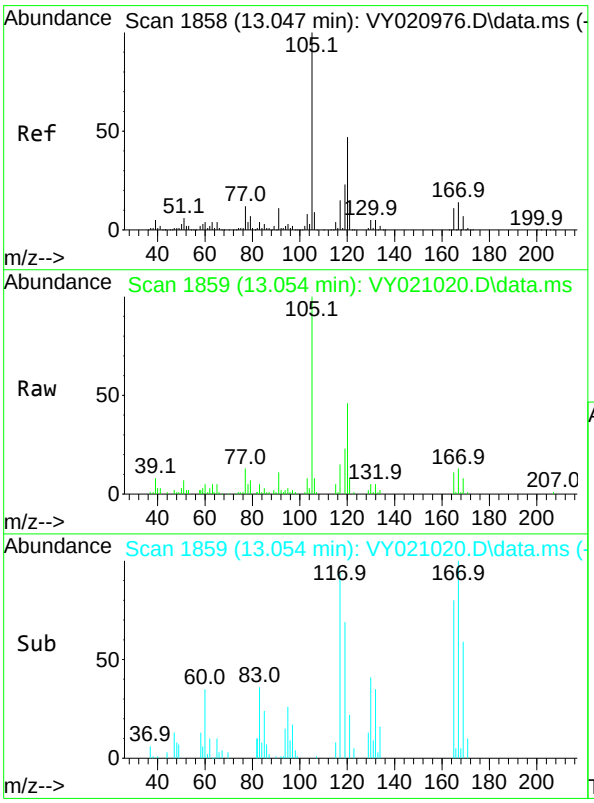

#83
tert-Butylbenzene
Concen: 5.562 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:119 Resp: 33572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.4 | 31.4 | 94.0 |
| 134 | 24.6 | 13.1 | 39.1 |

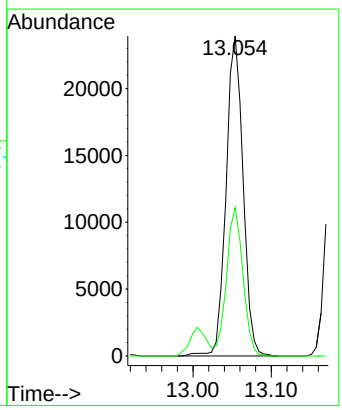


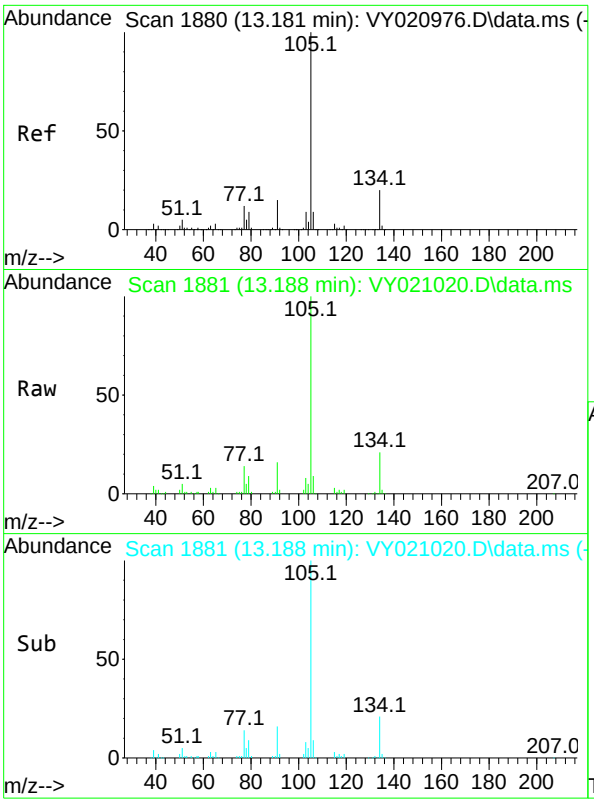




#84
1,2,4-Trimethylbenzene
Concen: 5.665 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.007 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:105 Resp: 36016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.0 | 22.7 | 68.0 |



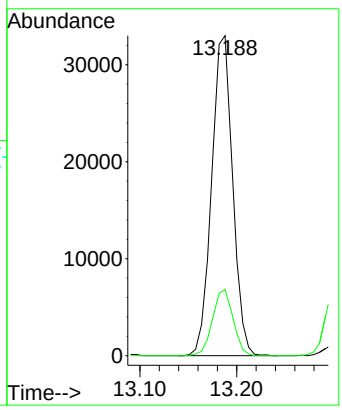


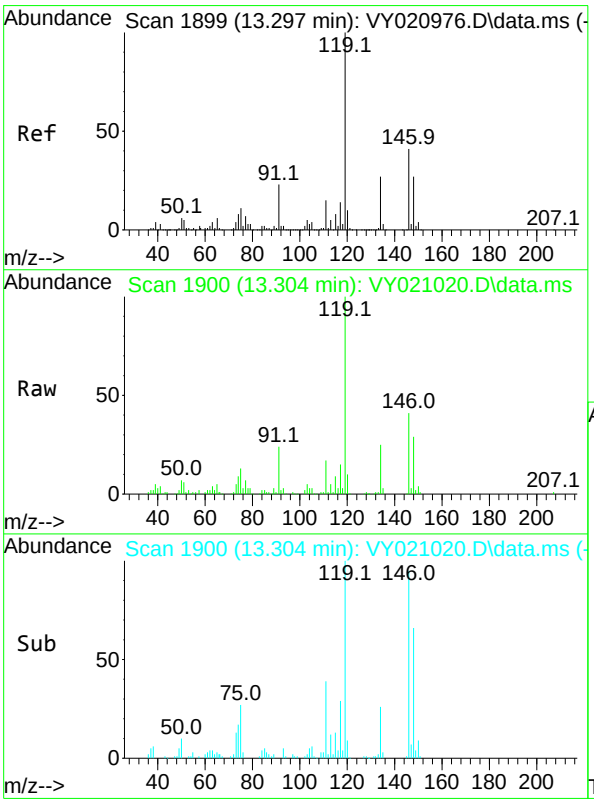

#85
sec-Butylbenzene
Concen: 5.831 ug/l
RT: 13.188 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 49828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 10.3 | 30.8 |

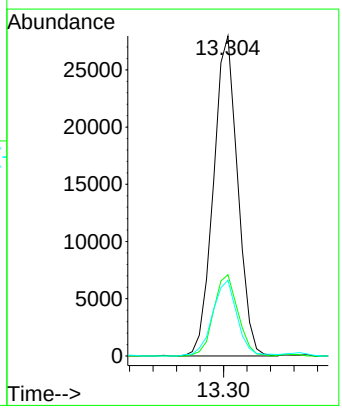


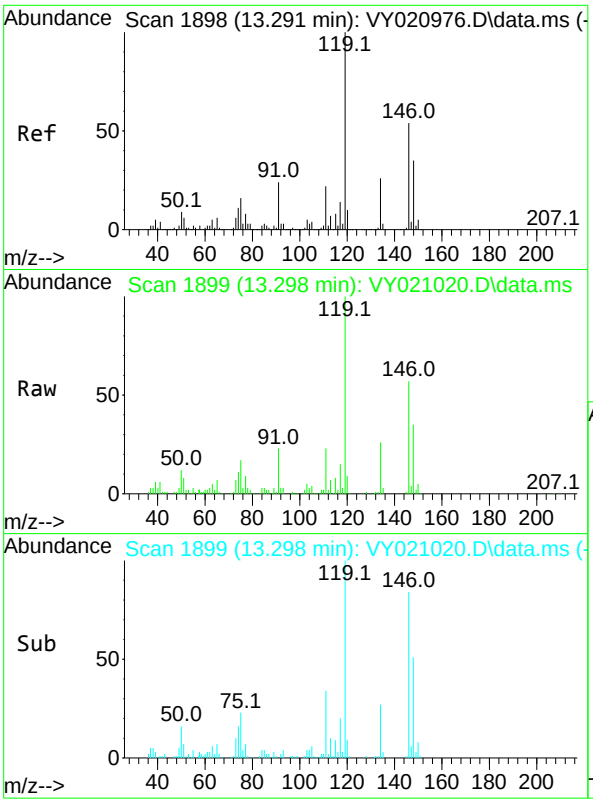




#86
p-Isopropyltoluene
Concen: 5.597 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:119 Resp: 40197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.3 | 13.1 | 39.3 |
| 91 | 24.1 | 11.5 | 34.5 |



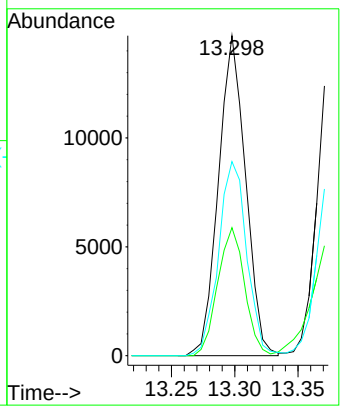


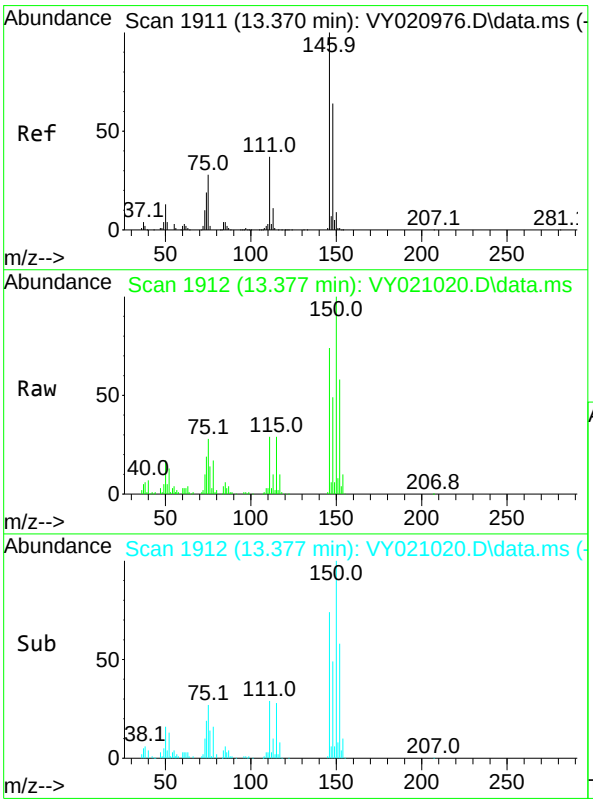

#87
1,3-Dichlorobenzene
Concen: 5.966 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 21910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.7 | 19.7 | 59.1 |
| 148 | 63.3 | 32.1 | 96.3 |

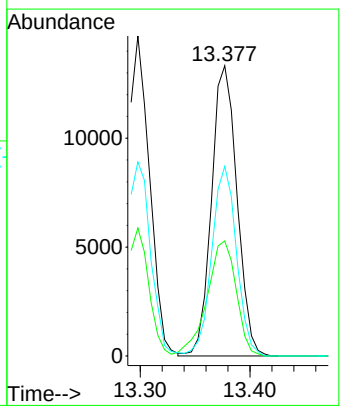


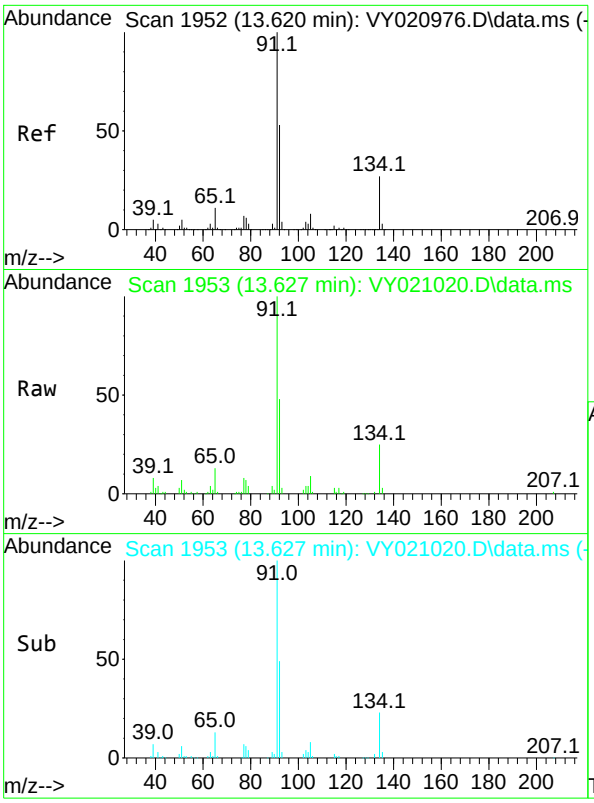




#88
1,4-Dichlorobenzene
Concen: 5.910 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:146 Resp: 21553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.5 | 19.0 | 57.0 |
| 148 | 63.4 | 31.6 | 95.0 |



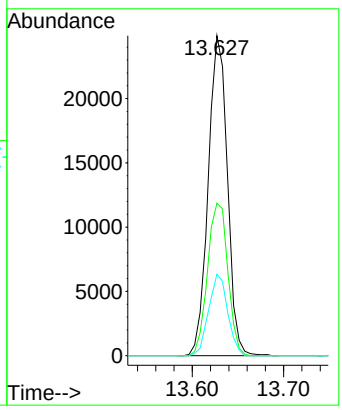


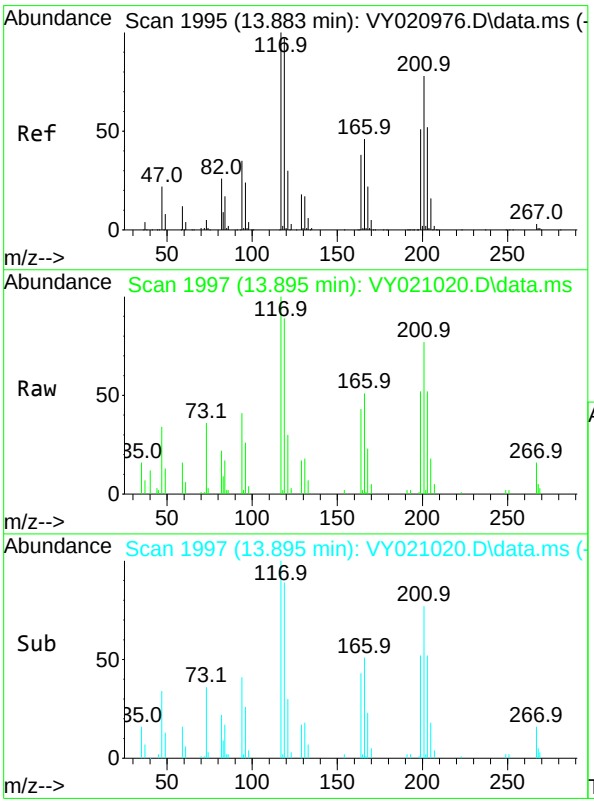

#89
n-Butylbenzene
Concen: 5.630 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 36214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 50.4 | 26.7 | 80.1 |
| 134 | 25.2 | 13.7 | 41.1 |

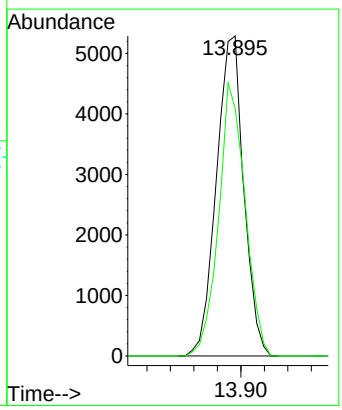


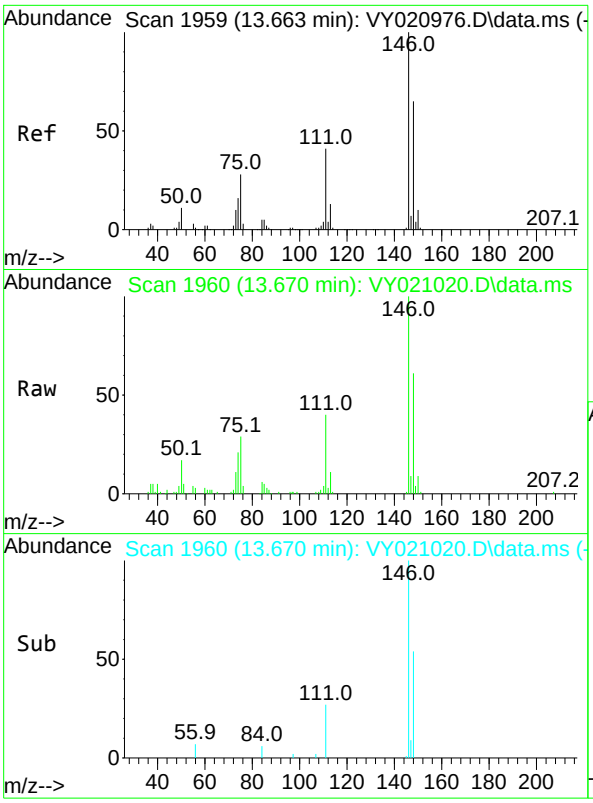




#90
Hexachloroethane
Concen: 5.891 ug/l
RT: 13.895 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:117 Resp: 8559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 82.8 | 42.5 | 127.5 |



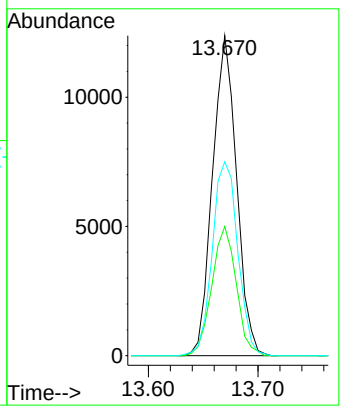


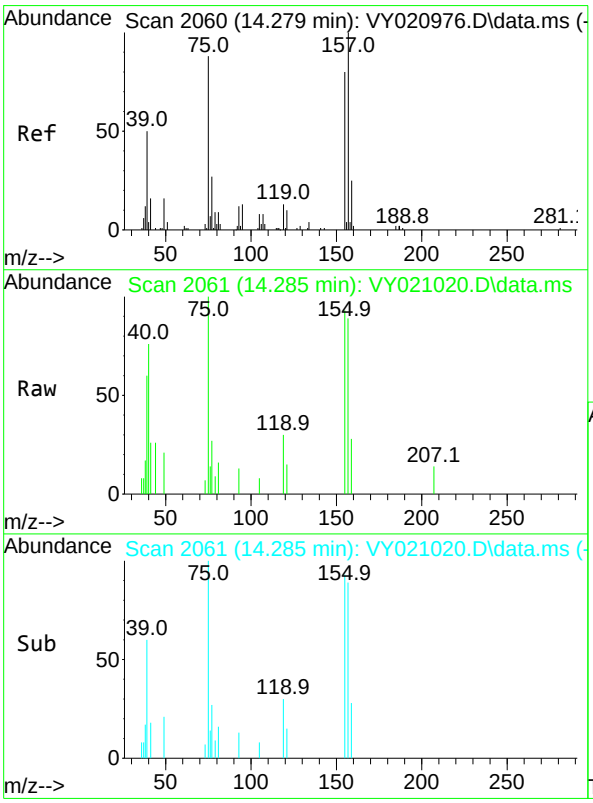

#91
1,2-Dichlorobenzene
Concen: 5.892 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 18869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.3 | 60.8 |
| 148 | 64.4 | 32.2 | 96.6 |

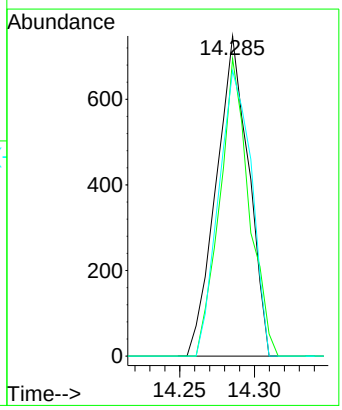


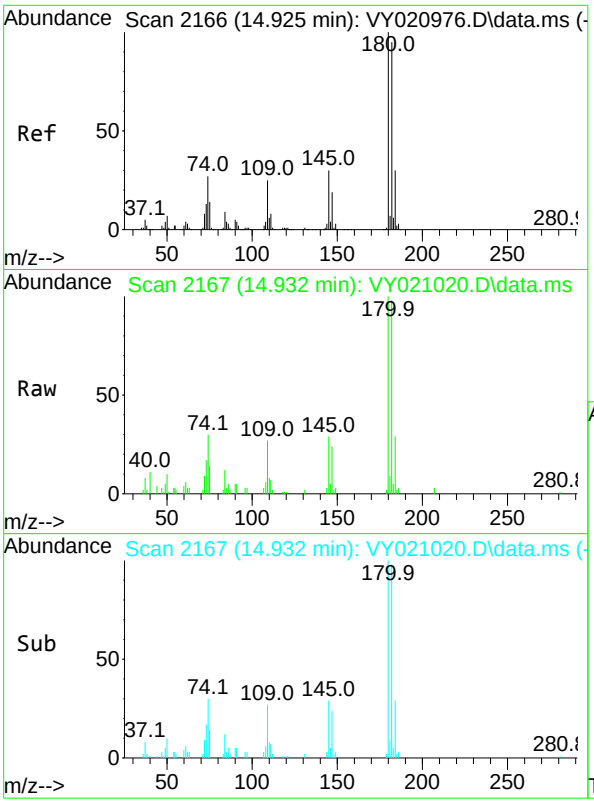




#92
1,2-Dibromo-3-Chloropropane
Concen: 5.699 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion: 75 Resp: 1125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.4 | 45.9 | 137.6 |
| 157 | 90.1 | 59.3 | 177.9 |



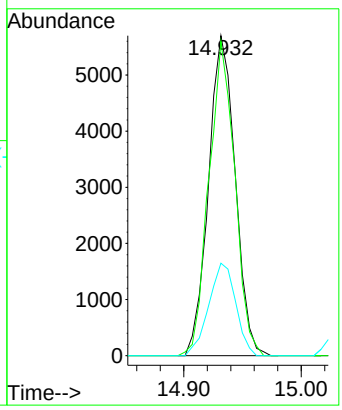


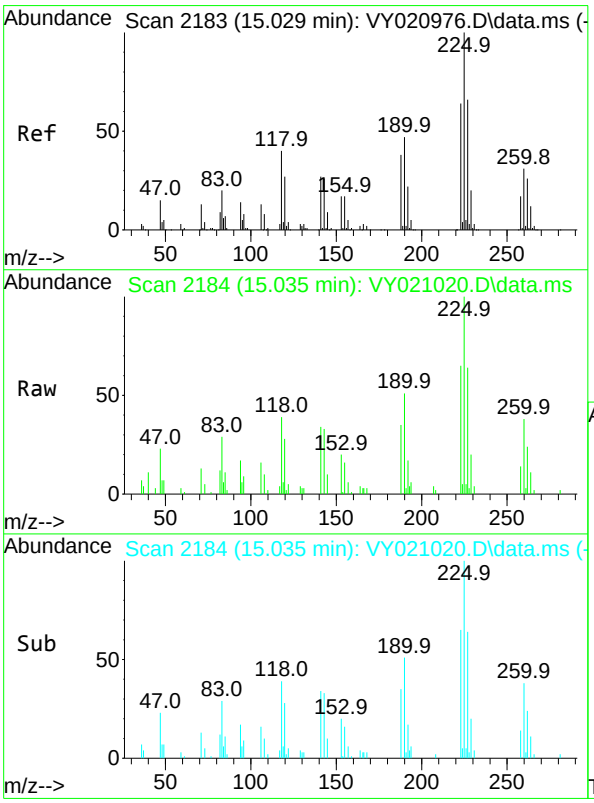

#93
1,2,4-Trichlorobenzene
Concen: 4.590 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:180 Resp: 9000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 48.3 | 144.8 |
| 145 | 29.2 | 15.3 | 45.8 |

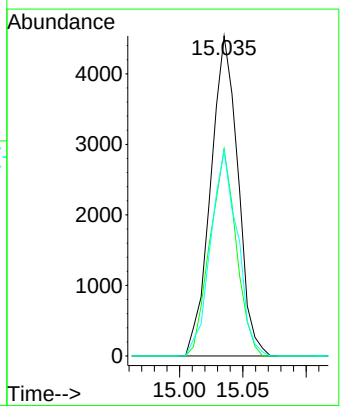


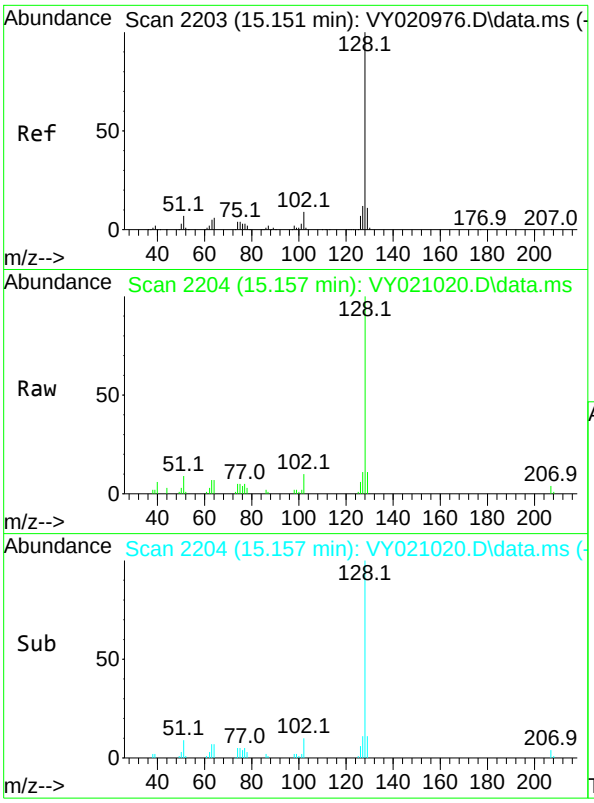




#94
Hexachlorobutadiene
Concen: 5.001 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:225 Resp: 6792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.7 | 31.4 | 94.2 |
| 227 | 63.1 | 31.8 | 95.3 |



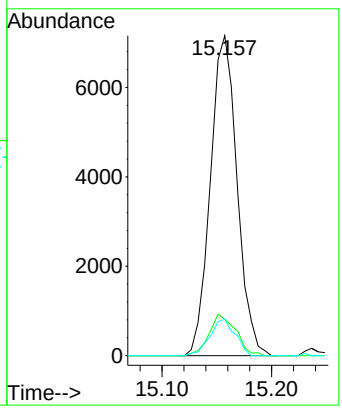


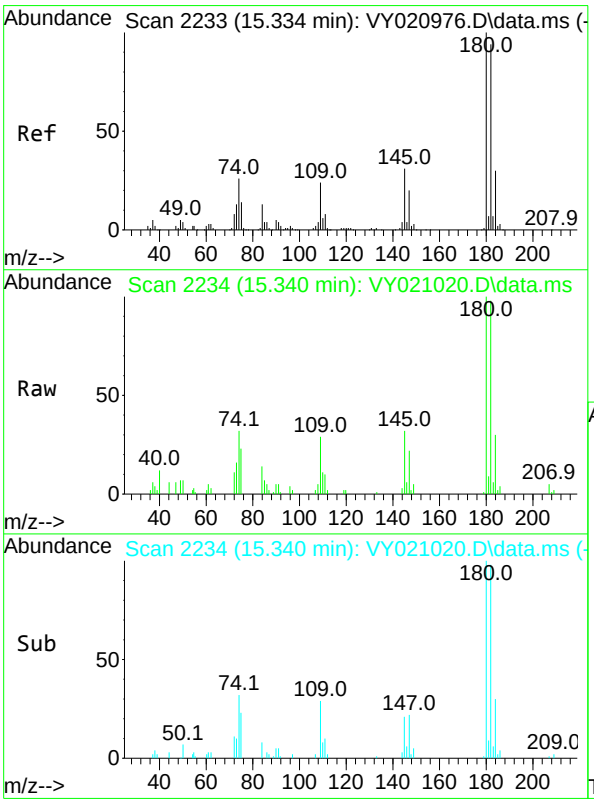

#95
Naphthalene
Concen: 3.847 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:128 Resp: 12124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.4 |
| 129 | 10.8 | 8.8 | 13.2 |

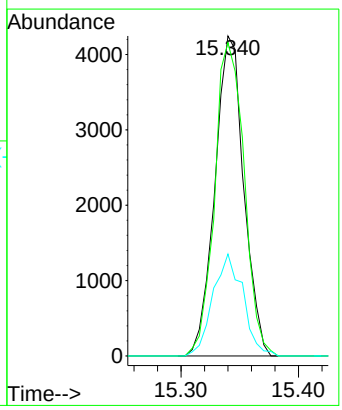



#96
1,2,3-Trichlorobenzene
Concen: 4.375 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021020.D
Acq: 03 Feb 2025 10:35

Tgt Ion:180 Resp: 7255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 100.1 | 47.7 | 143.1 |
| 145 | 33.2 | 15.6 | 46.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 182294 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 285332 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 239030 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 115682 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 20294 | 13.075 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 26.160%# | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 18627 | 10.859 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 21.720%# | | |
| 50) Toluene-d8 | 10.109 | 98 | 70569 | 10.540 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 21.080%# | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 23279 | 10.362 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = | 20.720%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 15959 | 10.296 | ug/l | 99 |
| 3) Chloromethane | 2.074 | 50 | 16219 | 16.458 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 16094 | 15.839 | ug/l | 93 |
| 5) Bromomethane | 2.604 | 94 | 10042 | 14.599 | ug/l | 99 |
| 6) Chloroethane | 2.745 | 64 | 9830 | 16.561 | ug/l | 95 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 29663 | 12.097 | ug/l | 90 |
| 8) Diethyl Ether | 3.458 | 74 | 9330 | 12.745 | ug/l | 89 |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 18483 | 11.194 | ug/l | 96 |
| 10) Methyl Iodide | 4.019 | 142 | 19381 | 10.258 | ug/l | 98 |
| 11) Tert butyl alcohol | 4.860 | 59 | 4102 | 36.180 | ug/l # | 86 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 17176 | 11.131 | ug/l | 90 |
| 13) Acrolein | 3.665 | 56 | 10409 | 79.726 | ug/l | 96 |
| 14) Allyl chloride | 4.391 | 41 | 28376 | 13.358 | ug/l | 93 |
| 15) Acrylonitrile | 5.074 | 53 | 19104 | 63.446 | ug/l | 97 |
| 16) Acetone | 3.879 | 43 | 15112 | 71.438 | ug/l # | 86 |
| 17) Carbon Disulfide | 4.116 | 76 | 53088 | 11.171 | ug/l | 100 |
| 18) Methyl Acetate | 4.397 | 43 | 10297 | 13.911 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 5.128 | 73 | 43216 | 12.033 | ug/l | 96 |
| 20) Methylene Chloride | 4.622 | 84 | 18455 | 11.829 | ug/l | 89 |
| 21) trans-1,2-Dichloroethene | 5.128 | 96 | 18903 | 11.426 | ug/l | 100 |
| 22) Diisopropyl ether | 6.031 | 45 | 59888 | 13.831 | ug/l # | 89 |
| 23) Vinyl Acetate | 5.970 | 43 | 166437 | 69.409 | ug/l | 94 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 34569 | 12.375 | ug/l | 99 |
| 25) 2-Butanone | 6.902 | 43 | 24268 | 67.624 | ug/l | 93 |
| 26) 2,2-Dichloropropane | 6.896 | 77 | 32771 | 11.915 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 21309 | 11.206 | ug/l | 91 |
| 28) Bromochloromethane | 7.256 | 49 | 13417 | 12.892 | ug/l | 86 |
| 29) Tetrahydrofuran | 7.274 | 42 | 16758 | 69.395 | ug/l | 92 |
| 30) Chloroform | 7.427 | 83 | 37054 | 12.247 | ug/l | 100 |
| 31) Cyclohexane | 7.707 | 56 | 32272 | 11.819 | ug/l # | 88 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 32862 | 11.223 | ug/l | 95 |
| 36) 1,1-Dichloropropene | 7.847 | 75 | 26479 | 10.820 | ug/l | 96 |
| 37) Ethyl Acetate | 6.994 | 43 | 11876 | 13.017 | ug/l | 97 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 31462 | 10.389 | ug/l | 96 |
| 39) Methylcyclohexane | 9.115 | 83 | 31392 | 9.549 | ug/l | 90 |
| 40) Benzene | 8.085 | 78 | 78846 | 10.950 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.262 | 41 | 16460 | 32.608 | ug/l | # | 33 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 22281 | 12.201 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.207 | 43 | 23795 | 13.055 | ug/l | # | 84 |
| 44) Trichloroethene | 8.872 | 130 | 20261 | 10.197 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 18765 | 11.627 | ug/l | | 96 |
| 46) Dibromomethane | 9.237 | 93 | 10511 | 11.191 | ug/l | | 94 |
| 47) Bromodichloromethane | 9.432 | 83 | 28538 | 11.570 | ug/l | | 96 |
| 48) Methyl methacrylate | 9.225 | 41 | 10297 | 11.866 | ug/l | | 93 |
| 49) 1,4-Dioxane | 9.231 | 88 | 1885 | 188.876 | ug/l | # | 89 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 60088 | 64.159 | ug/l | | 94 |
| 52) Toluene | 10.176 | 92 | 48876 | 10.457 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 24301 | 10.888 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 29426 | 11.031 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 13425 | 10.748 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.445 | 69 | 16883 | 10.341 | ug/l | # | 86 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 23377 | 11.042 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 41611 | 60.048 | ug/l | | 95 |
| 59) 2-Hexanone | 10.768 | 43 | 37306 | 61.283 | ug/l | | 90 |
| 60) Dibromochloromethane | 10.914 | 129 | 18851 | 10.585 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 12746 | 10.684 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.652 | 164 | 17544 | 9.730 | ug/l | | 98 |
| 65) Chlorobenzene | 11.450 | 112 | 53298 | 10.583 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 19150 | 10.714 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.524 | 91 | 90783 | 10.411 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.633 | 106 | 69094 | 20.624 | ug/l | | 98 |
| 69) o-Xylene | 11.963 | 106 | 31473 | 10.106 | ug/l | | 96 |
| 70) Styrene | 11.975 | 104 | 53436 | 10.334 | ug/l | | 98 |
| 71) Bromoform | 12.139 | 173 | 10627 | 10.088 | ug/l | # | 97 |
| 73) Isopropylbenzene | 12.261 | 105 | 85491 | 10.522 | ug/l | | 98 |
| 74) N-amyl acetate | 12.078 | 43 | 18529 | 12.524 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 14942 | 11.393 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 19562 | 21.361 | ug/l | # | 100 |
| 77) Bromobenzene | 12.536 | 156 | 20634 | 10.712 | ug/l | | 94 |
| 78) n-propylbenzene | 12.603 | 91 | 102250 | 10.738 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 59630 | 10.991 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 70161 | 10.541 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 5224 | 11.842 | ug/l | | 92 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 62279 | 11.217 | ug/l | | 96 |
| 83) tert-Butylbenzene | 13.005 | 119 | 63506 | 10.287 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 67906 | 10.444 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 92610 | 10.596 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 74892 | 10.196 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 39016 | 10.388 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 39379 | 10.559 | ug/l | | 95 |
| 89) n-Butylbenzene | 13.627 | 91 | 67632 | 10.280 | ug/l | | 97 |
| 90) Hexachloroethane | 13.889 | 117 | 16030 | 10.788 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 13.670 | 146 | 35252 | 10.763 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 2296 | 11.372 | ug/l | | 87 |
| 93) 1,2,4-Trichlorobenzene | 14.932 | 180 | 17451 | 8.702 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 11988 | 8.631 | ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 27103 | 8.409 | ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 14804 | 8.729 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

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

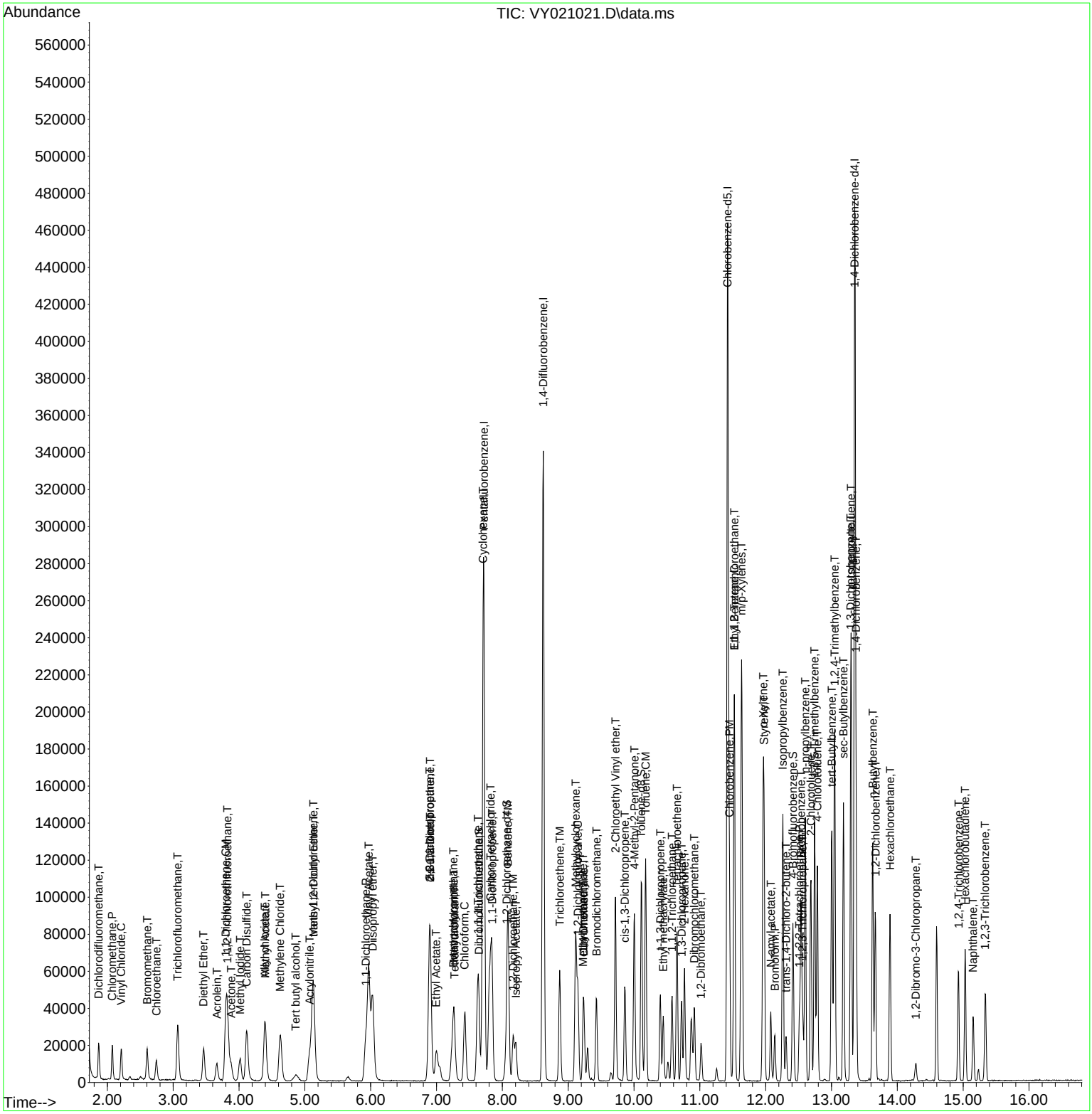
(#) = qualifier out of range (m) = manual integration (+) = signals summed

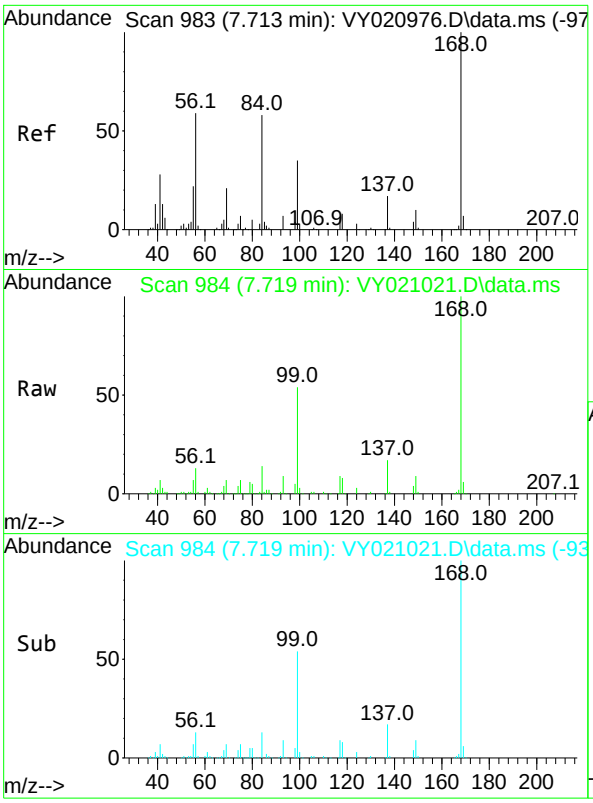
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021021.D
Acq On : 03 Feb 2025 10:57
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Quant Time: Feb 03 12:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration



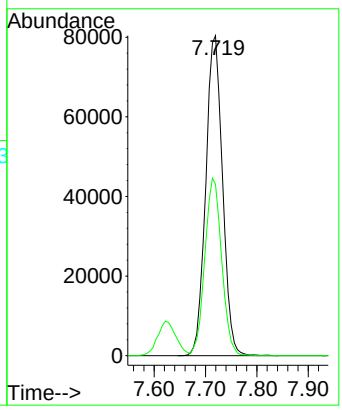


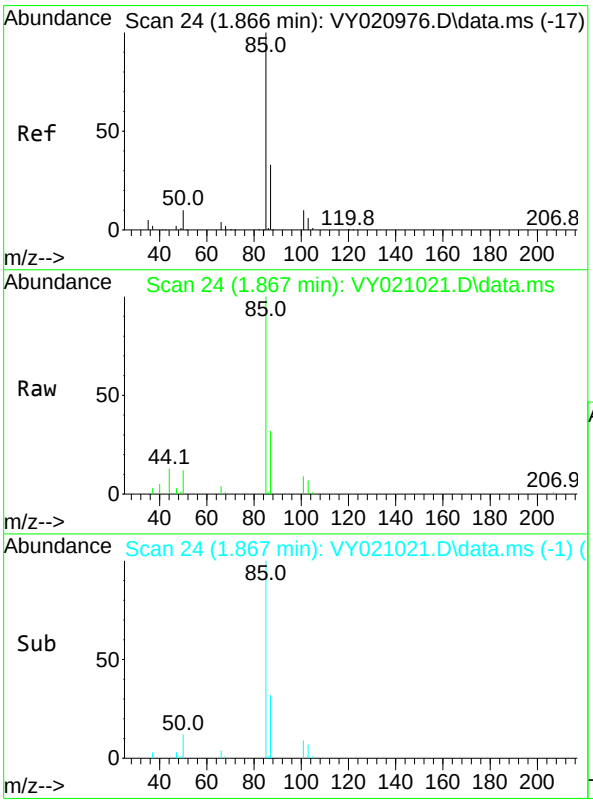

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:168 Resp: 182294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.6 | 42.2 | 63.2 |

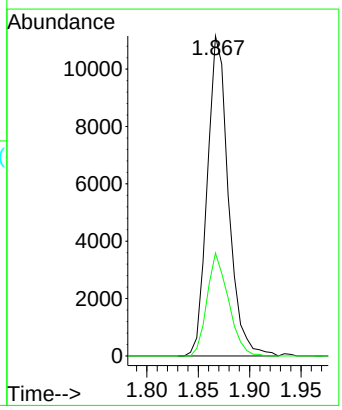


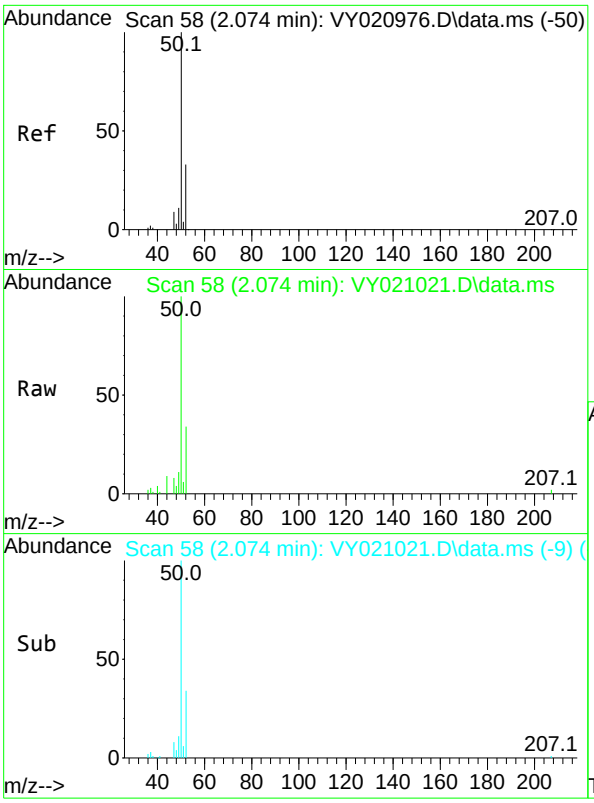




#2
Dichlorodifluoromethane
Concen: 10.296 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 85 Resp: 15959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 16.3 | 48.9 |



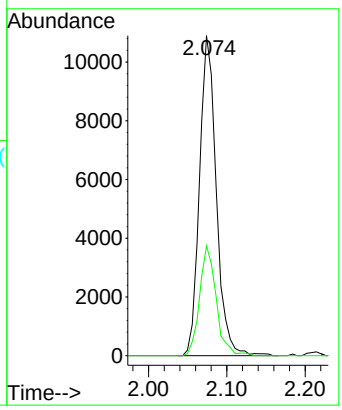


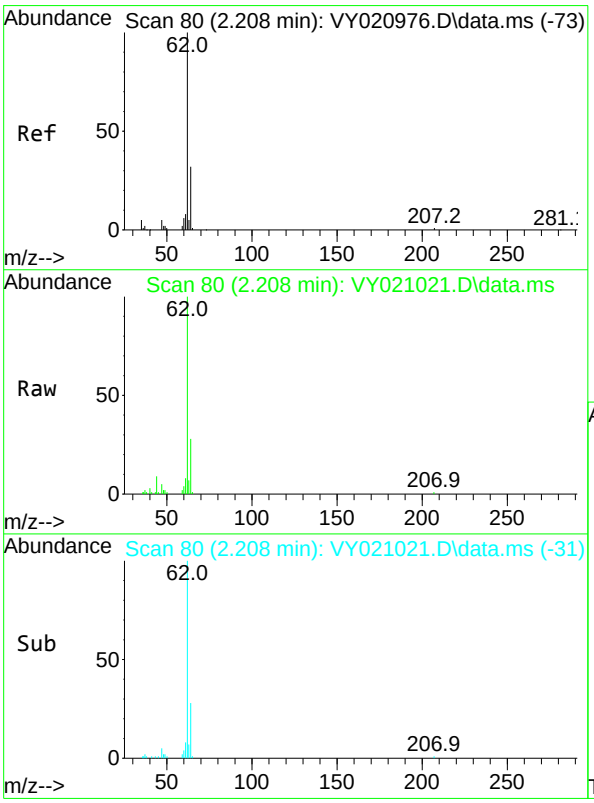

#3
Chloromethane
Concen: 16.458 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 50 Resp: 16219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.3 | 26.3 | 39.5 |

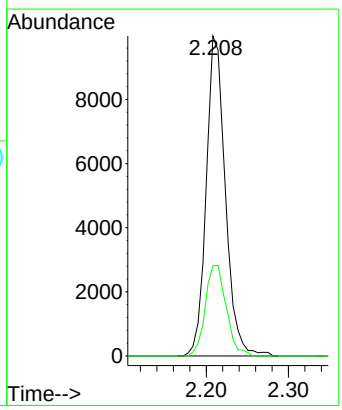


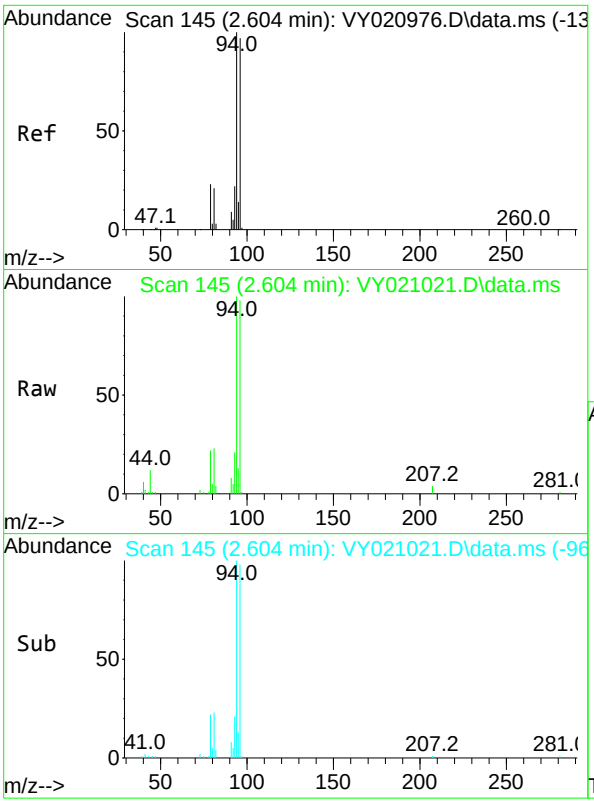




#4
Vinyl Chloride
Concen: 15.839 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 62 Resp: 16094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 28.2 | 25.4 | 38.2 |



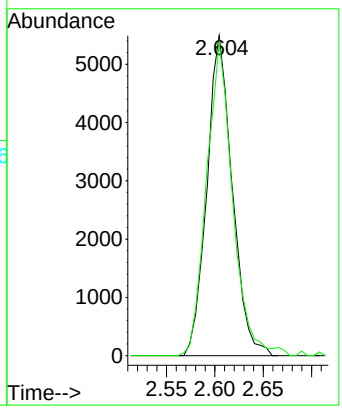


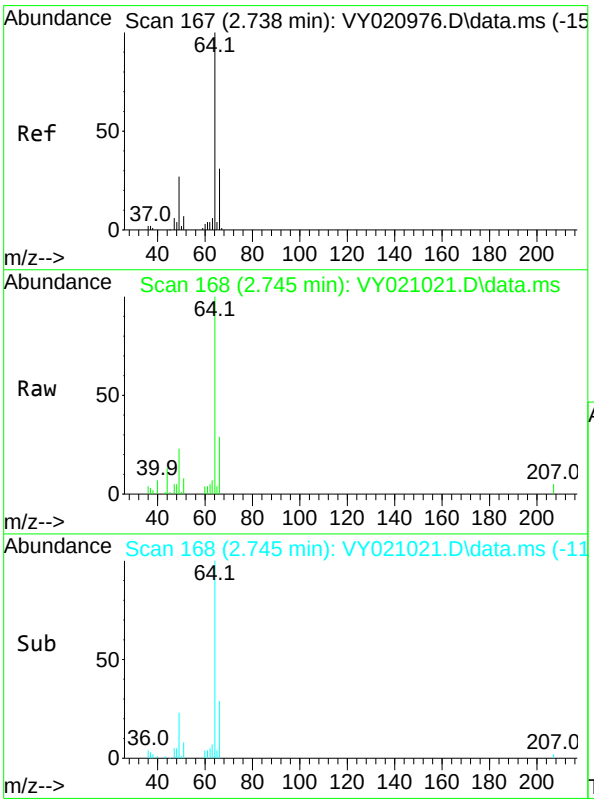

#5
Bromomethane
Concen: 14.599 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 94 Resp: 10042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 97.7 | 77.4 | 116.0 |

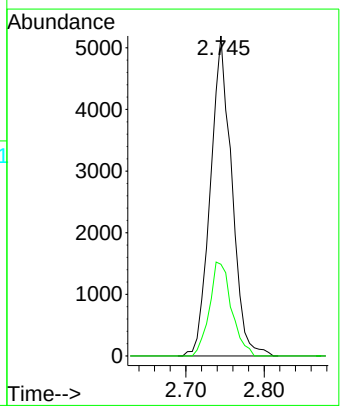


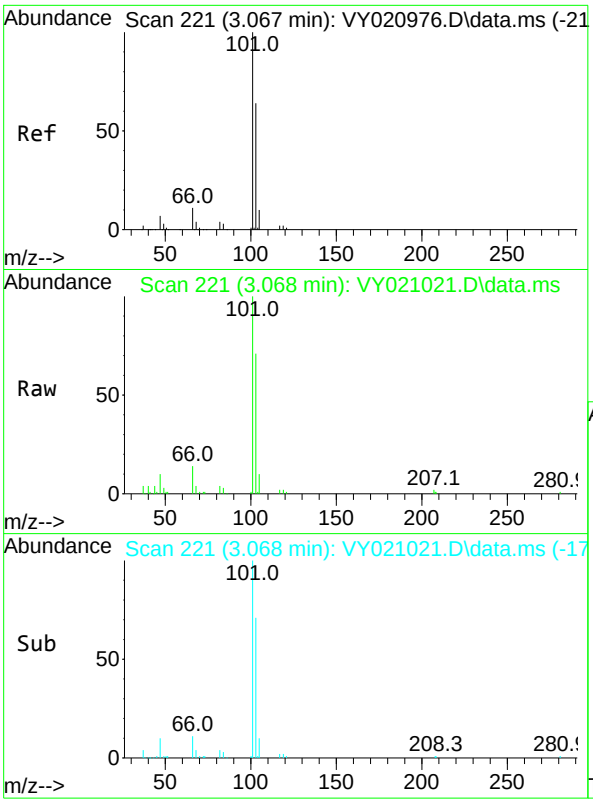




#6
Chloroethane
Concen: 16.561 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 64 Resp: 9830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 28.6 | 25.0 | 37.4 |



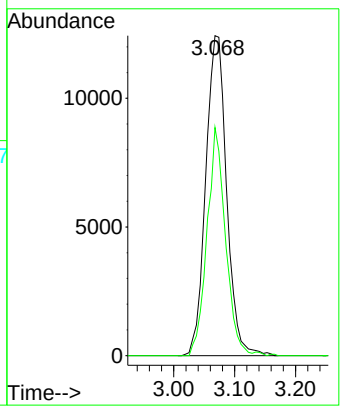


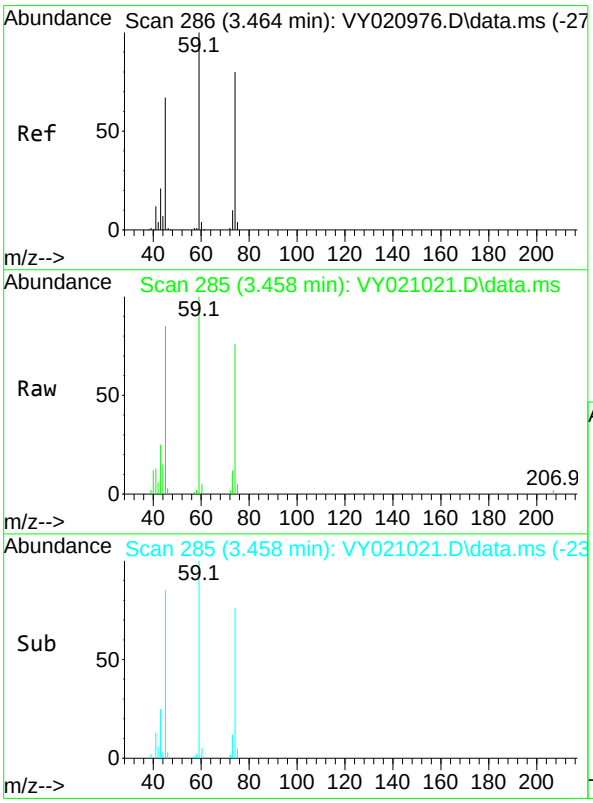

#7
Trichlorofluoromethane
Concen: 12.097 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:101 Resp: 29663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 71.3 | 50.9 | 76.3 |

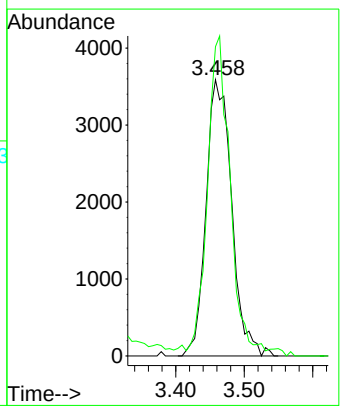


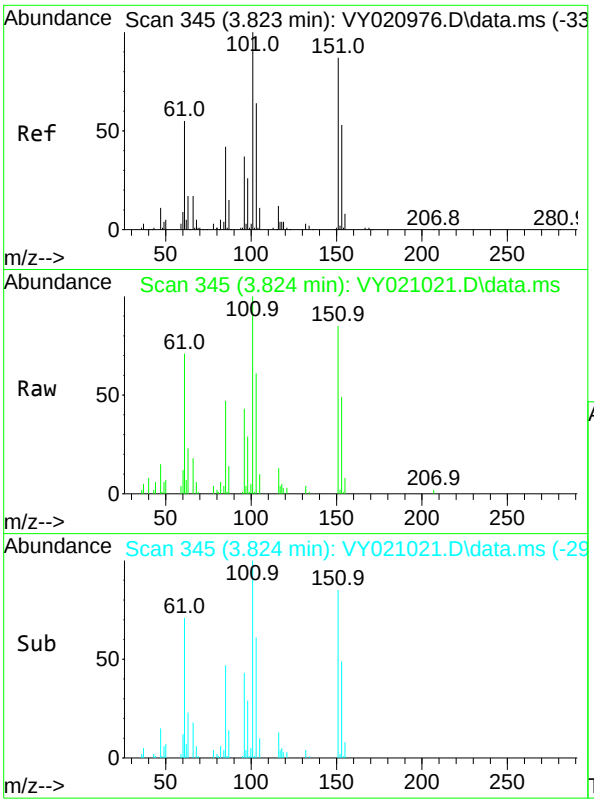




#8
Diethyl Ether
Concen: 12.745 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 74 Resp: 9330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.0 | 43.4 | 130.2 |



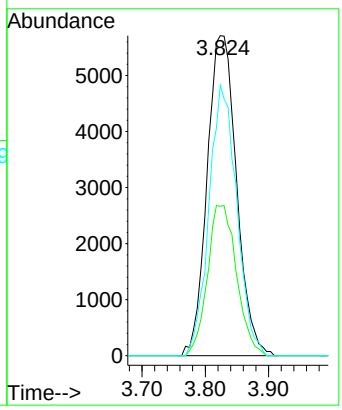


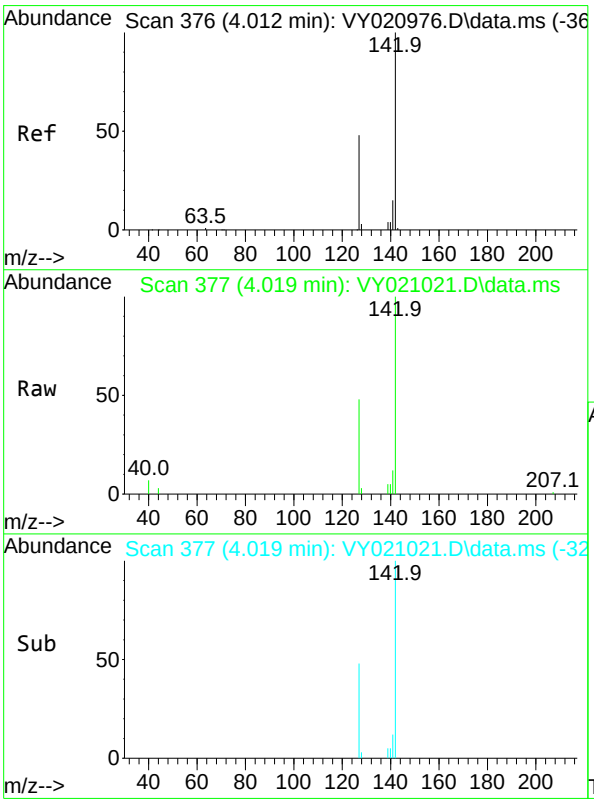

#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.194 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:101 Resp: 18483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 34.9 | 52.3 |
| 151 | 79.6 | 66.8 | 100.2 |

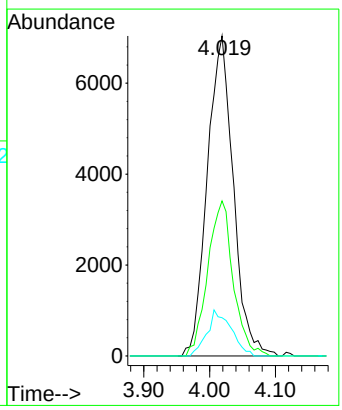


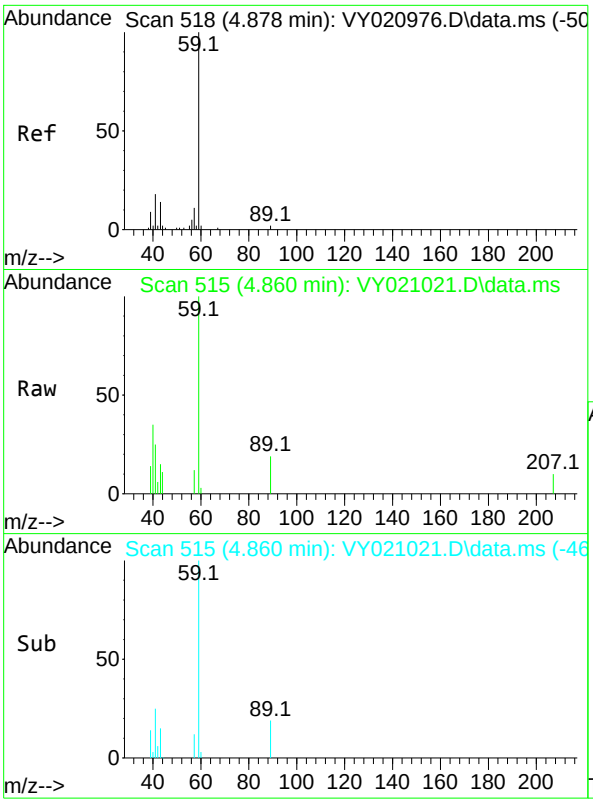




#10
Methyl Iodide
Concen: 10.258 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:142 Resp: 19381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.5 | 38.9 | 58.3 |
| 141 | 13.3 | 11.7 | 17.5 |



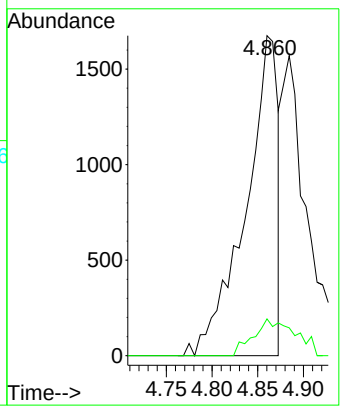


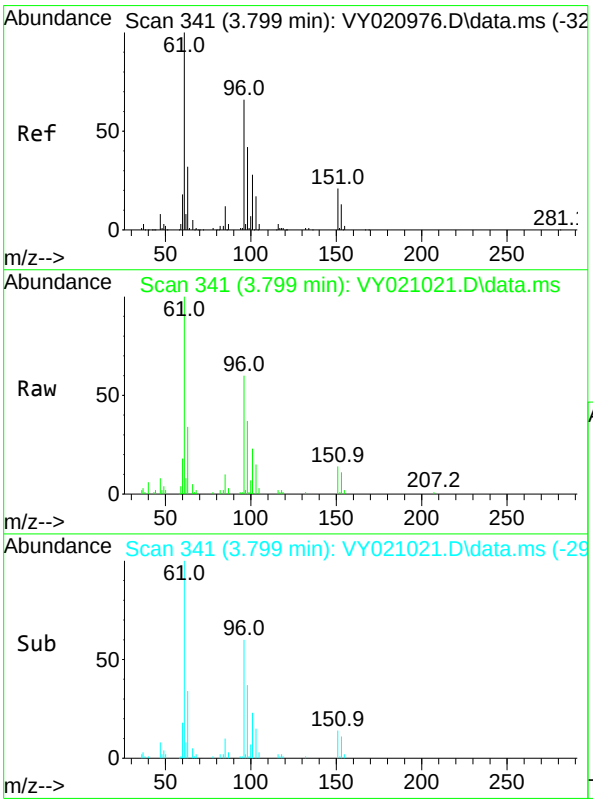

#11
Tert butyl alcohol
Concen: 36.180 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 59 Resp: 4102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 14.9 | 7.8 | 11.8# |

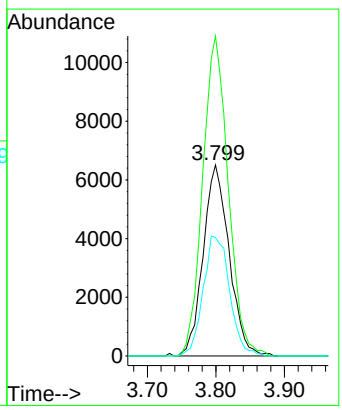


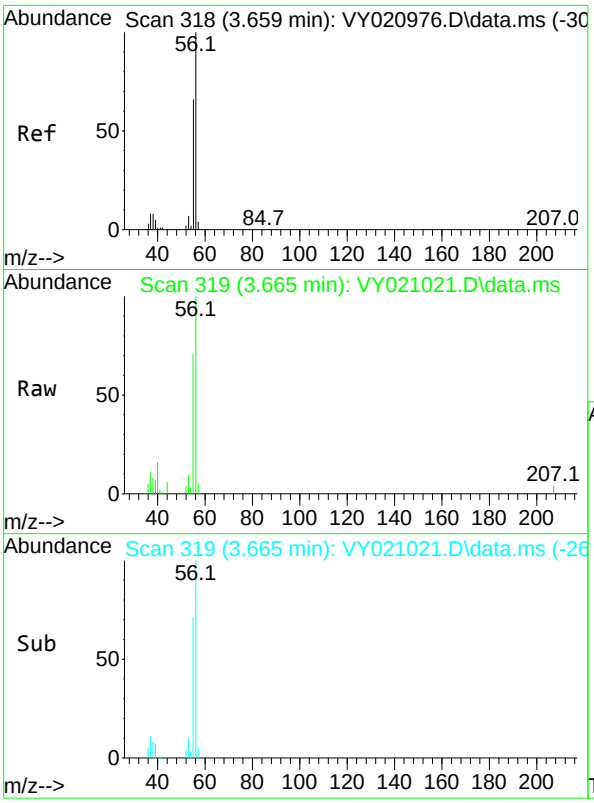




#12
1,1-Dichloroethene
Concen: 11.131 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 96 Resp: 17176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 167.5 | 120.8 | 181.2 |
| 98 | 62.0 | 50.6 | 76.0 |



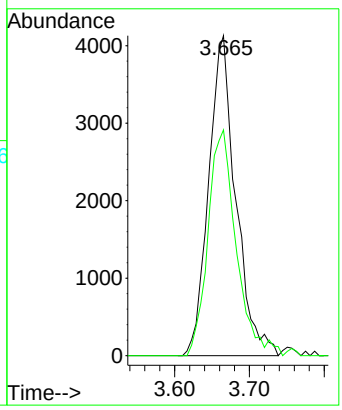


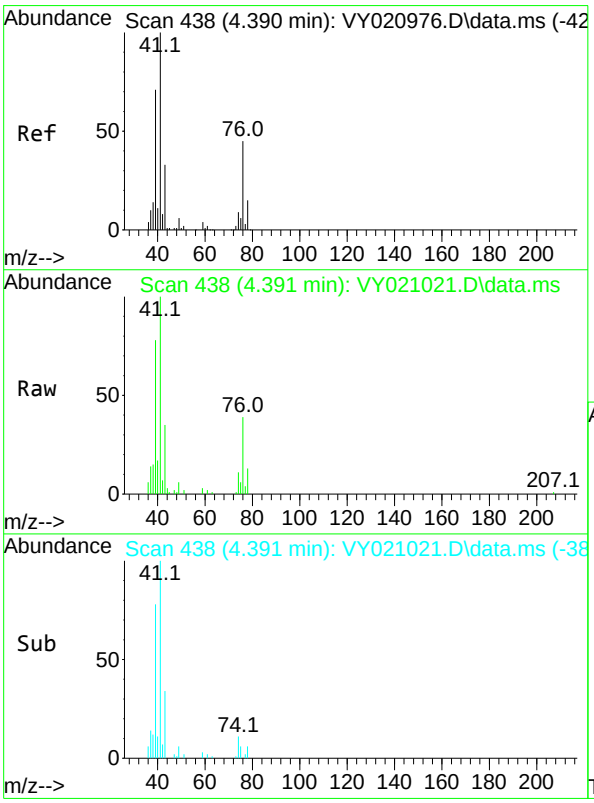

#13
Acrolein
Concen: 79.726 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 56 Resp: 10409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.3 | 56.1 | 84.1 |

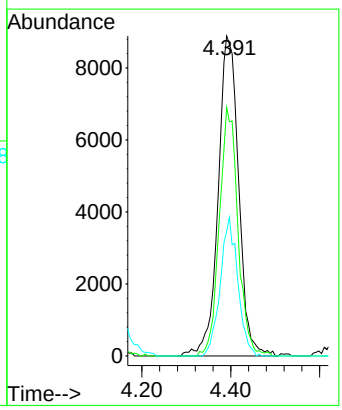


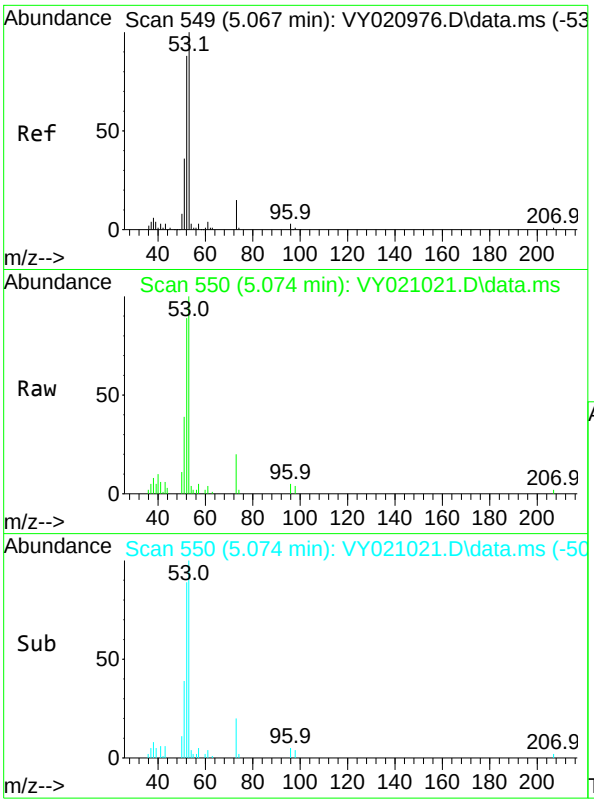




#14
Allyl chloride
Concen: 13.358 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 28376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 70.7 | 53.5 | 80.3 |
| 76 | 37.1 | 34.6 | 52.0 |



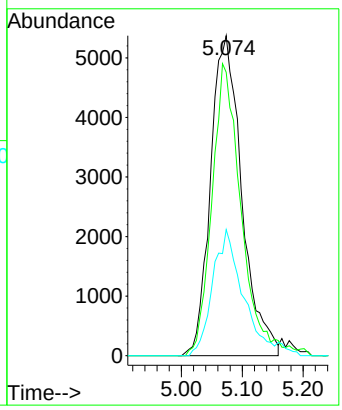


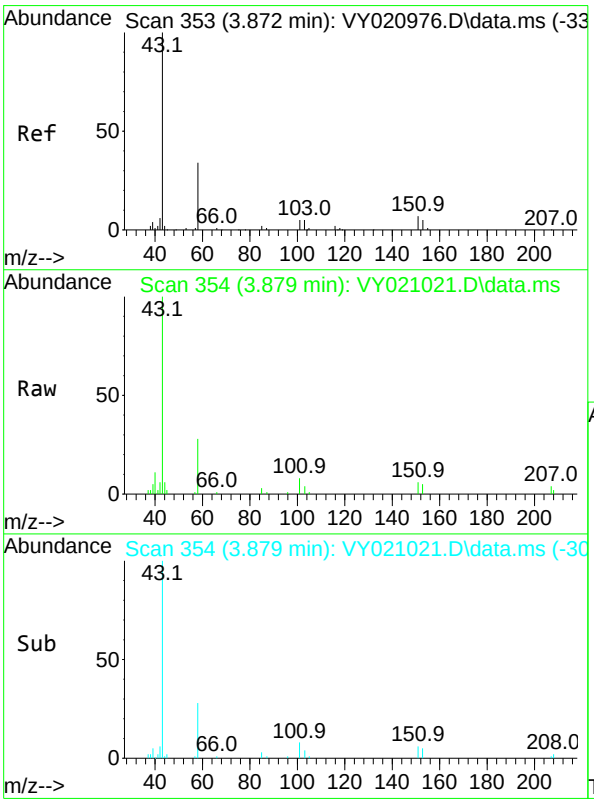

#15
Acrylonitrile
Concen: 63.446 ug/l
RT: 5.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 53 Resp: 19104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 86.0 | 66.2 | 99.4 |
| 51 | 38.0 | 29.4 | 44.0 |

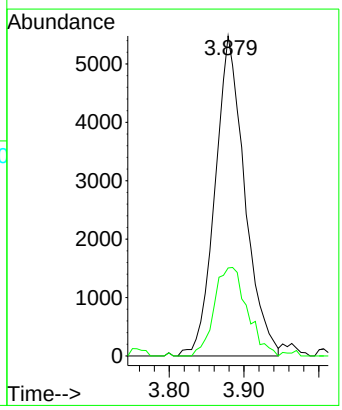


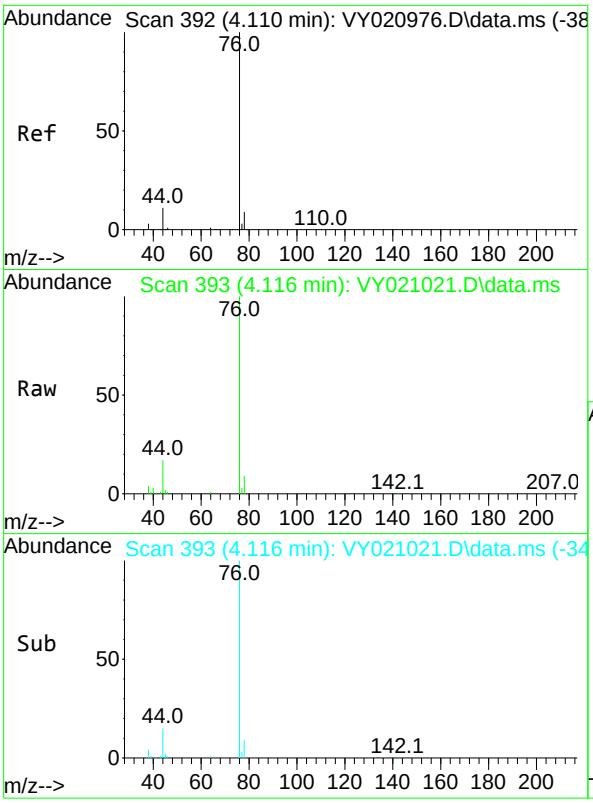




#16
Acetone
Concen: 71.438 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 15112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.5 | 28.4 | 42.6# |



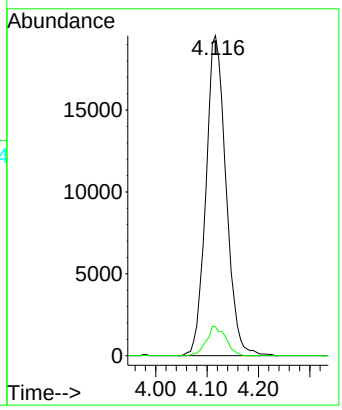


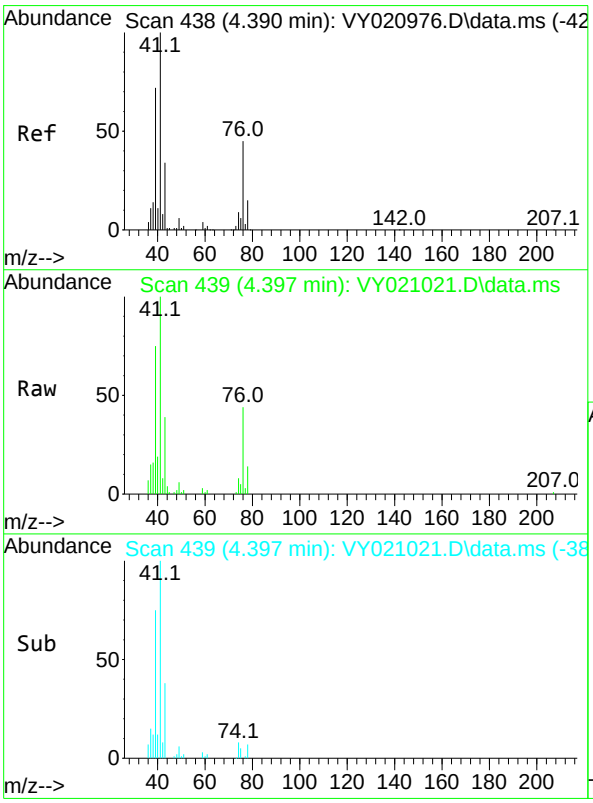

#17
Carbon Disulfide
Concen: 11.171 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 76 Resp: 53088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.3 | 10.9 |

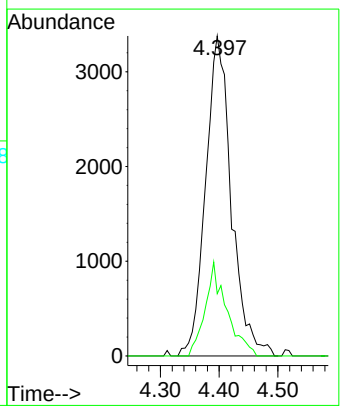


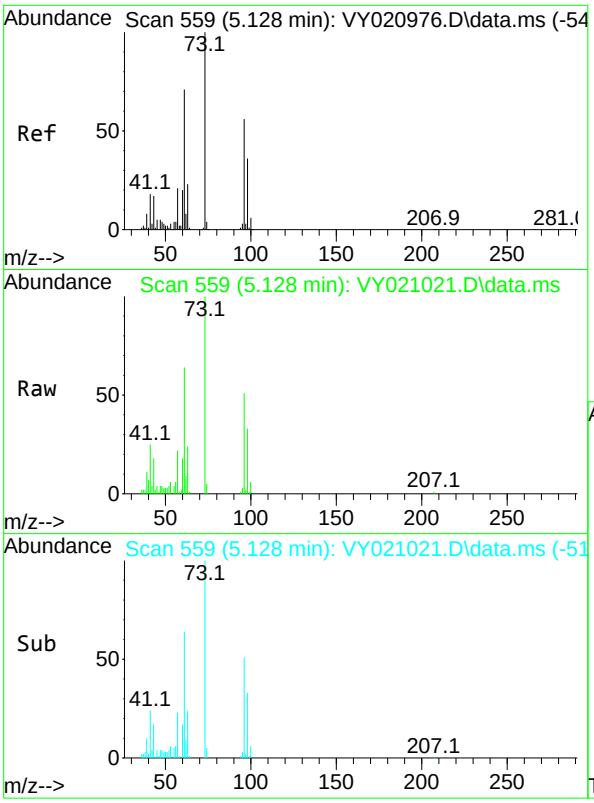




#18
Methyl Acetate
Concen: 13.911 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 10297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.6 | 22.2 | 33.4 |



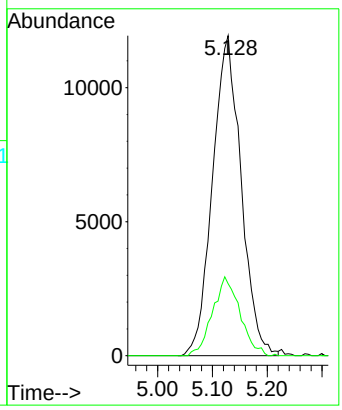


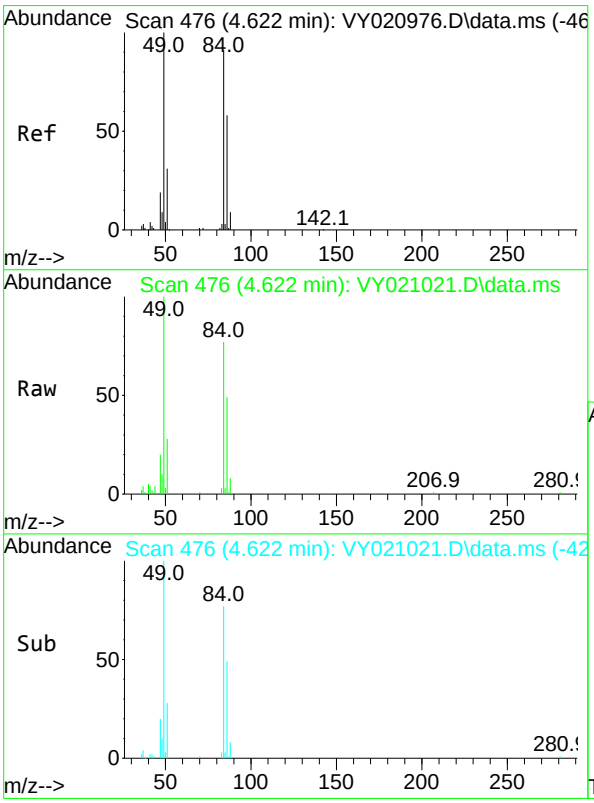

#19
Methyl tert-butyl Ether
Concen: 12.033 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 73 Resp: 43216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.5 | 16.6 | 25.0 |

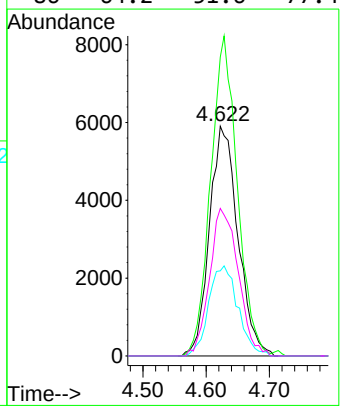


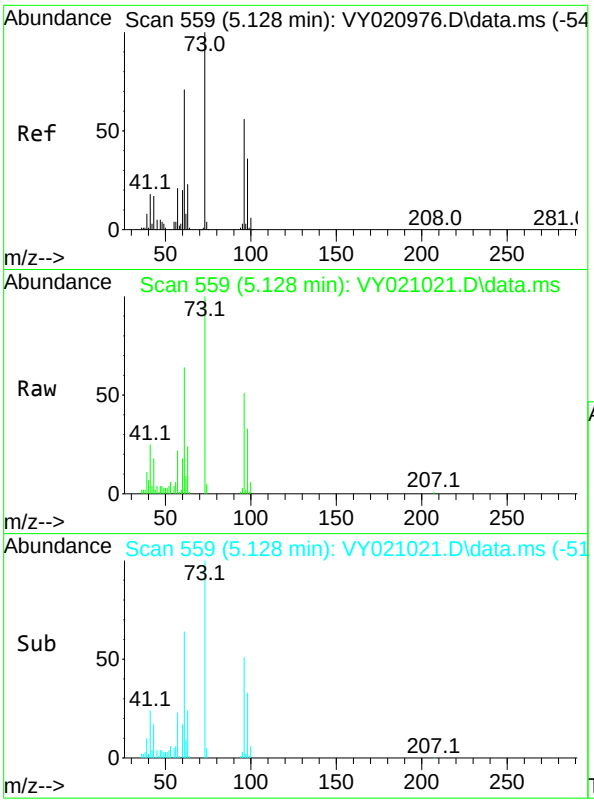




#20
Methylene Chloride
Concen: 11.829 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 84 Resp: 18455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.0 | 88.3 | 132.5 |
| 51 | 37.0 | 27.7 | 41.5 |
| 86 | 64.2 | 51.6 | 77.4 |



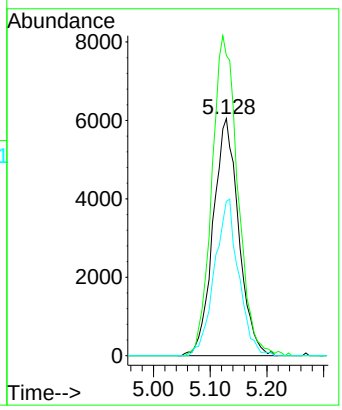


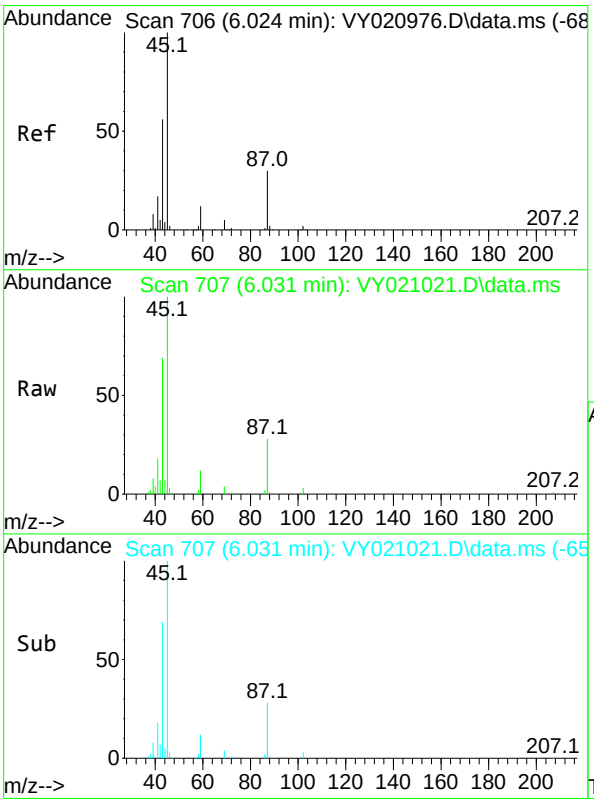

#21
trans-1,2-Dichloroethene
Concen: 11.426 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 96 Resp: 18903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 126.5 | 101.5 | 152.3 |
| 98 | 65.1 | 52.0 | 78.0 |

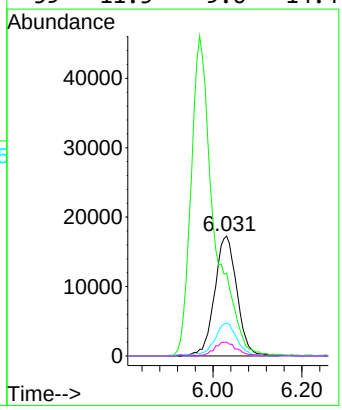


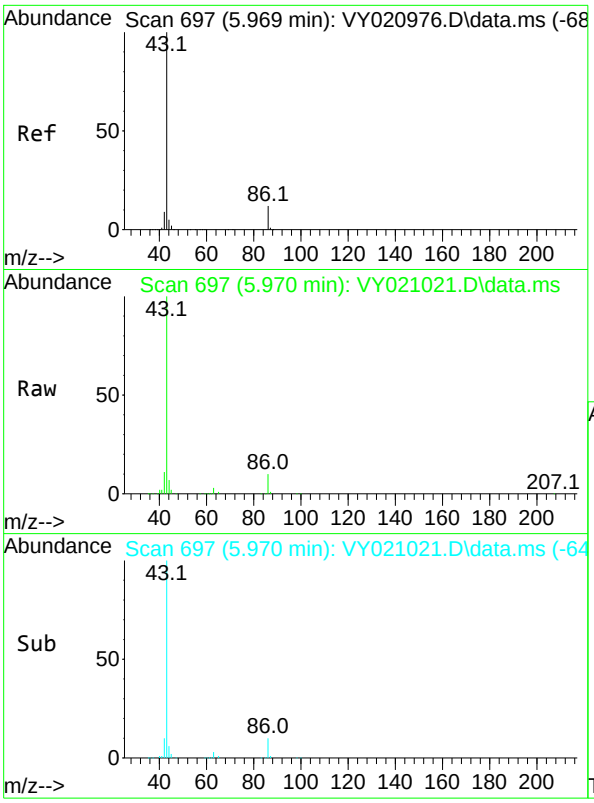




#22
Diisopropyl ether
Concen: 13.831 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 45 Resp: 59888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 67.8 | 45.1 | 67.7# |
| 87 | 27.5 | 25.0 | 37.4 |
| 59 | 11.5 | 9.6 | 14.4 |



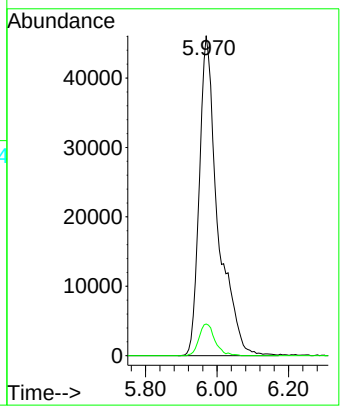


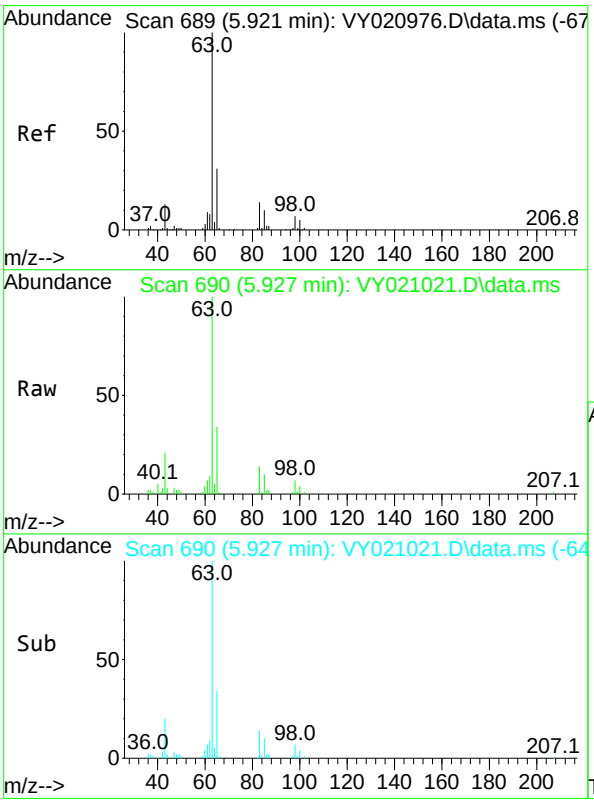

#23
Vinyl Acetate
Concen: 69.409 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 166437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.9 | 9.7 | 14.5 |

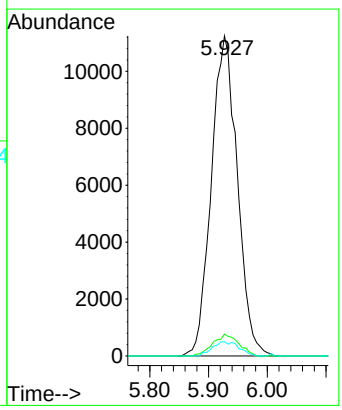


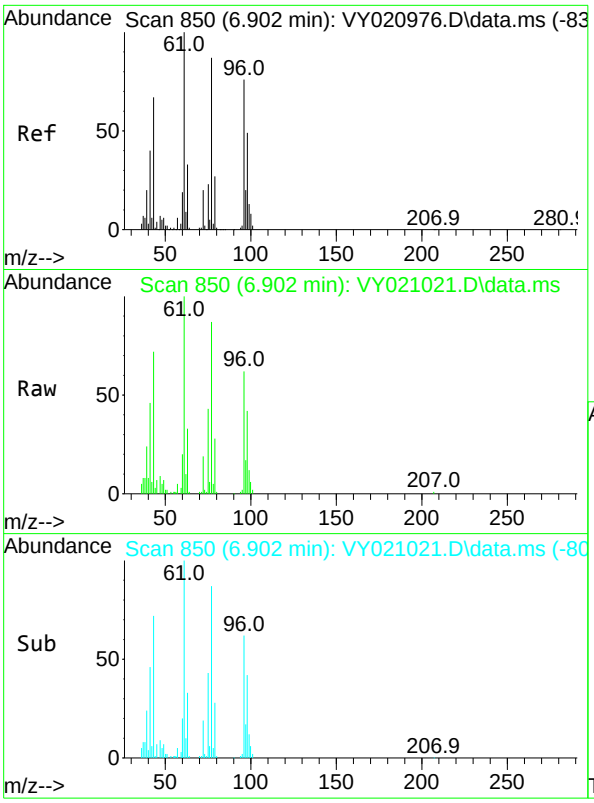




#24
1,1-Dichloroethane
Concen: 12.375 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 34569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.7 | 11.1 |
| 100 | 4.4 | 2.4 | 7.2 |



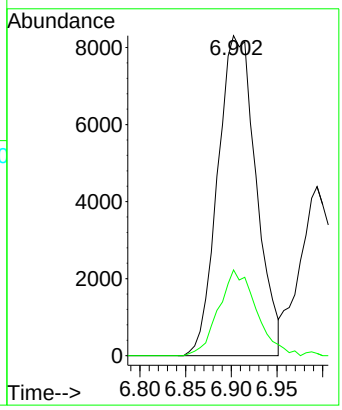


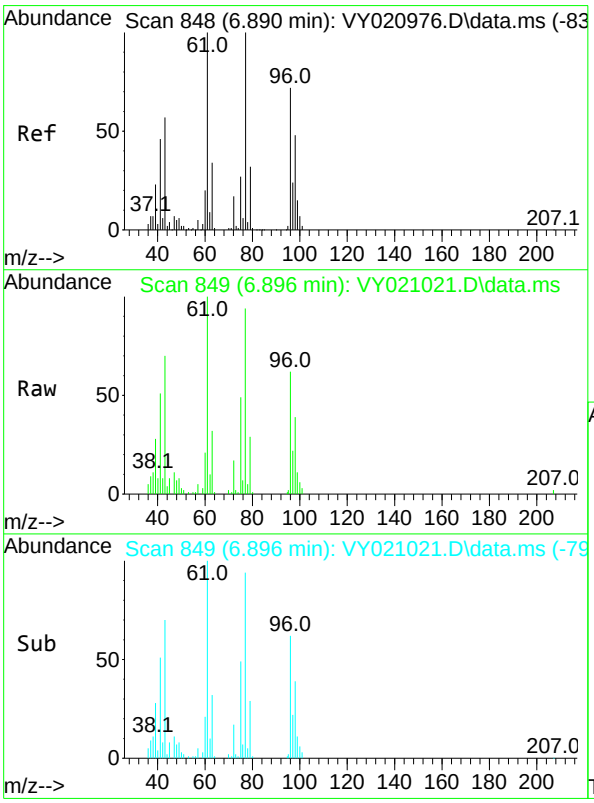

#25
2-Butanone
Concen: 67.624 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 24268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.8 | 24.3 | 36.5 |

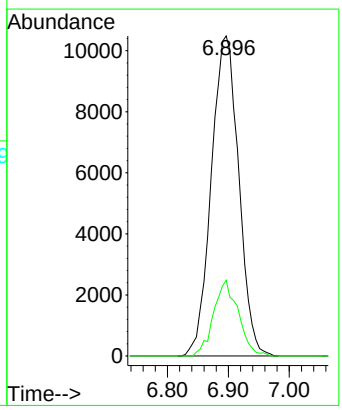


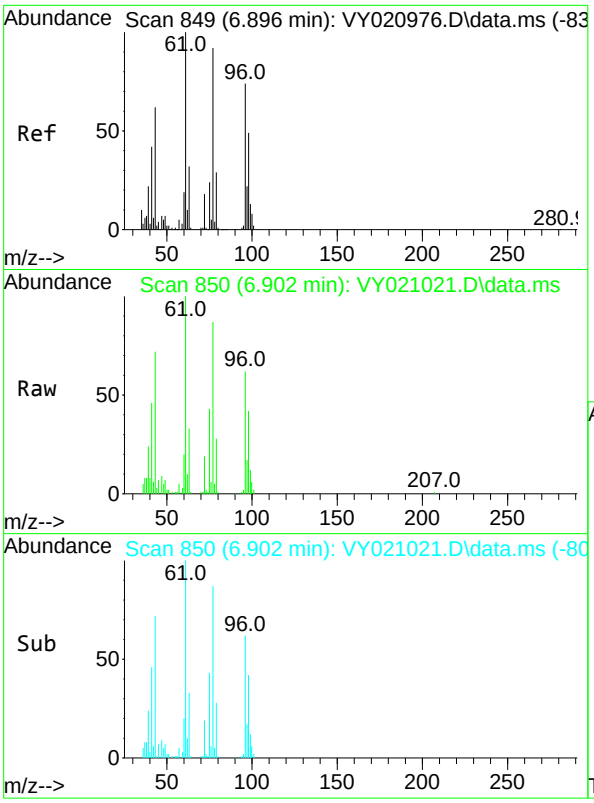




#26
2,2-Dichloropropane
Concen: 11.915 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 77 Resp: 32771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.3 | 11.4 | 34.2 |



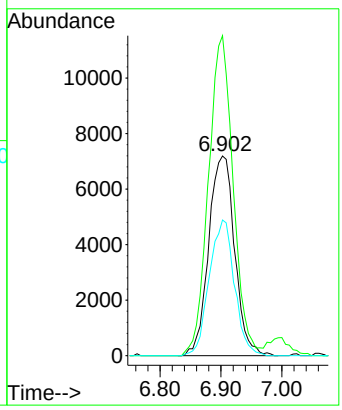


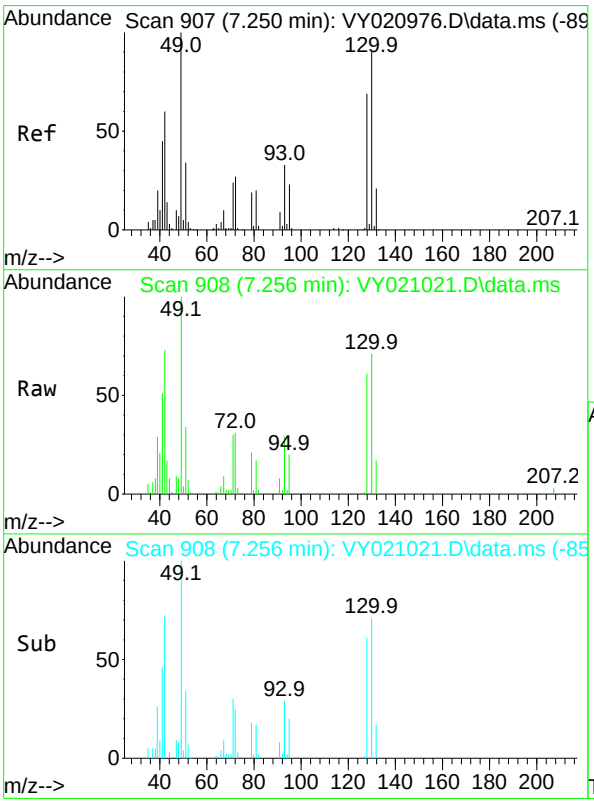

#27
cis-1,2-Dichloroethene
Concen: 11.206 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 96 Resp: 21309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.6 | 0.0 | 274.0 |
| 98 | 65.8 | 0.0 | 130.4 |

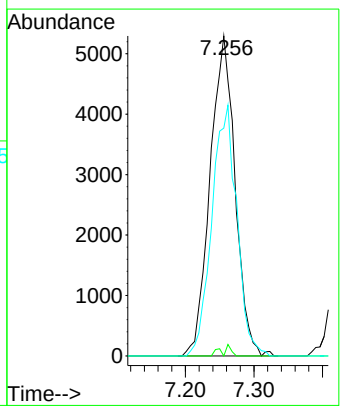


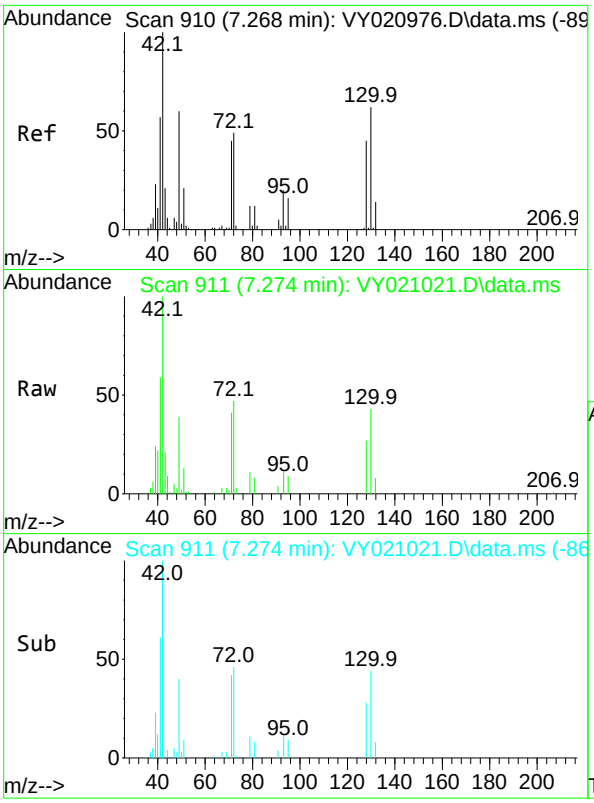




#28
Bromochloromethane
Concen: 12.892 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 49 Resp: 13417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.7 | 0.0 | 5.0 |
| 130 | 78.2 | 73.2 | 109.8 |



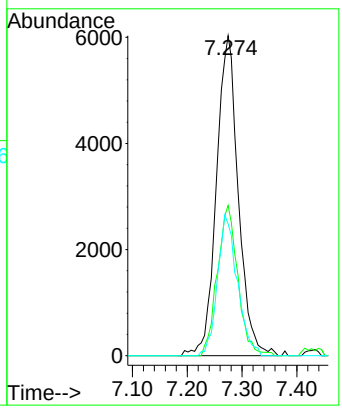


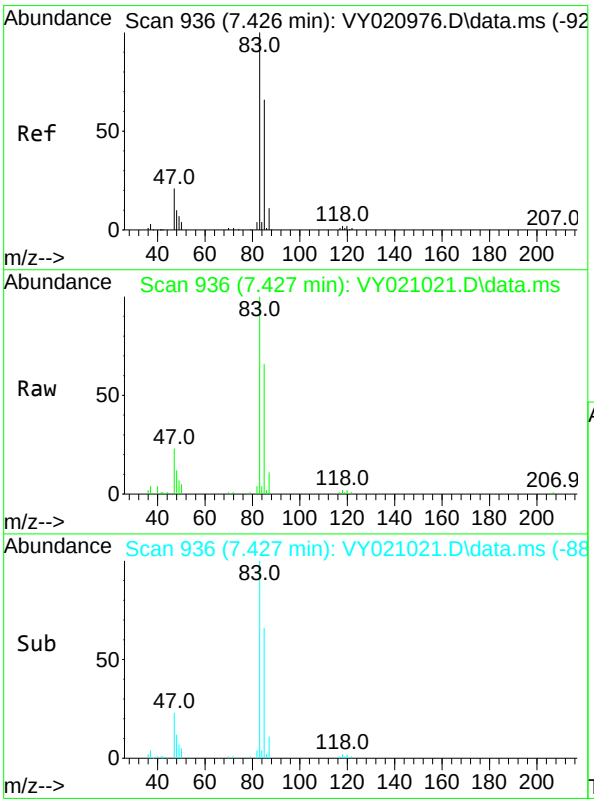

#29
Tetrahydrofuran
Concen: 69.395 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 42 Resp: 16758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.8 | 39.3 | 58.9 |
| 71 | 39.8 | 36.1 | 54.1 |

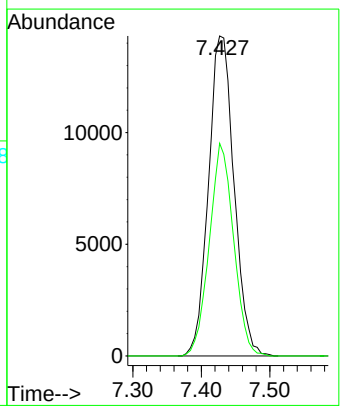


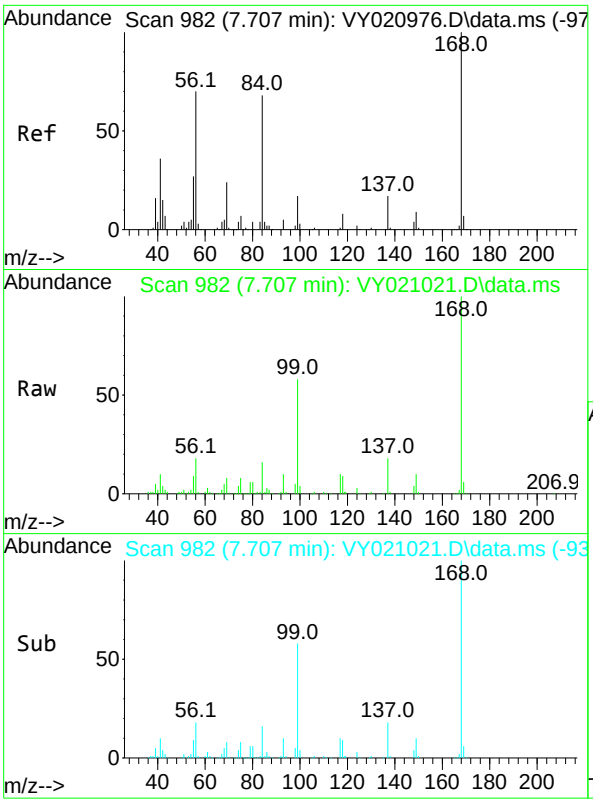




#30
Chloroform
Concen: 12.247 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 83 Resp: 37054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.4 | 52.9 | 79.3 |



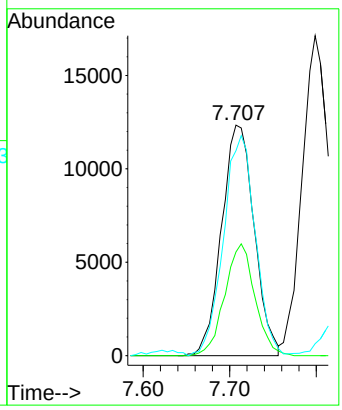


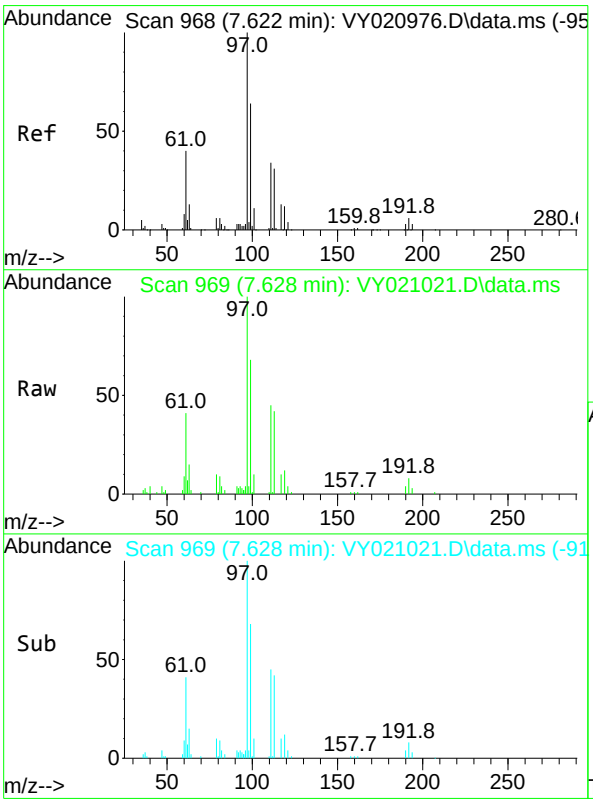

#31
Cyclohexane
Concen: 11.819 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 56 Resp: 32272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 44.9 | 27.7 | 41.5# |
| 84 | 87.6 | 77.5 | 116.3 |

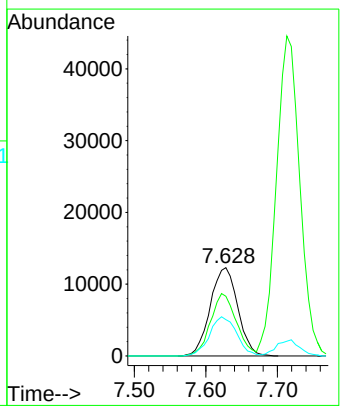


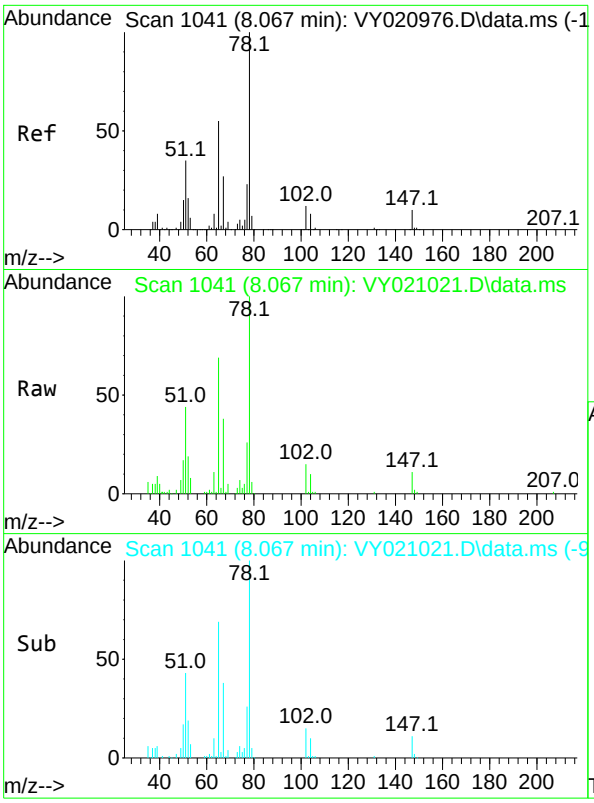




#32
1,1,1-Trichloroethane
Concen: 11.223 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 97 Resp: 32862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.6 | 51.4 | 77.0 |
| 61 | 43.8 | 31.4 | 47.0 |



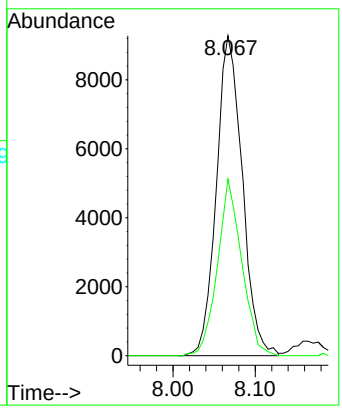


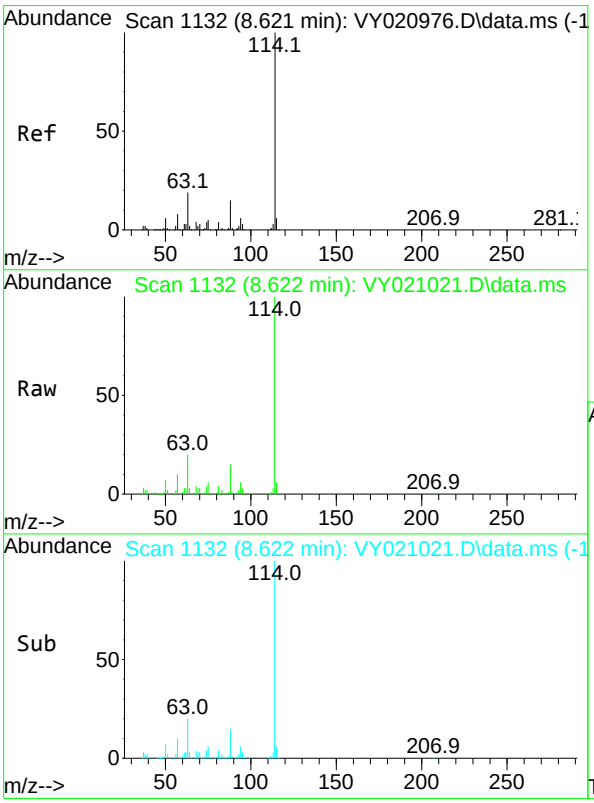

#33
1,2-Dichloroethane-d4
Concen: 13.075 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 65 Resp: 20294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 104.4 |

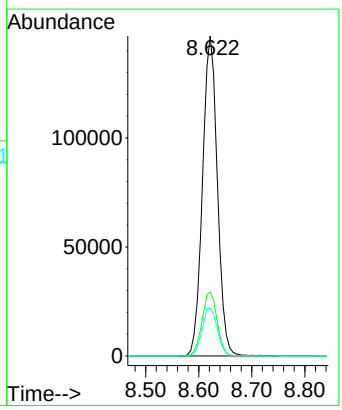


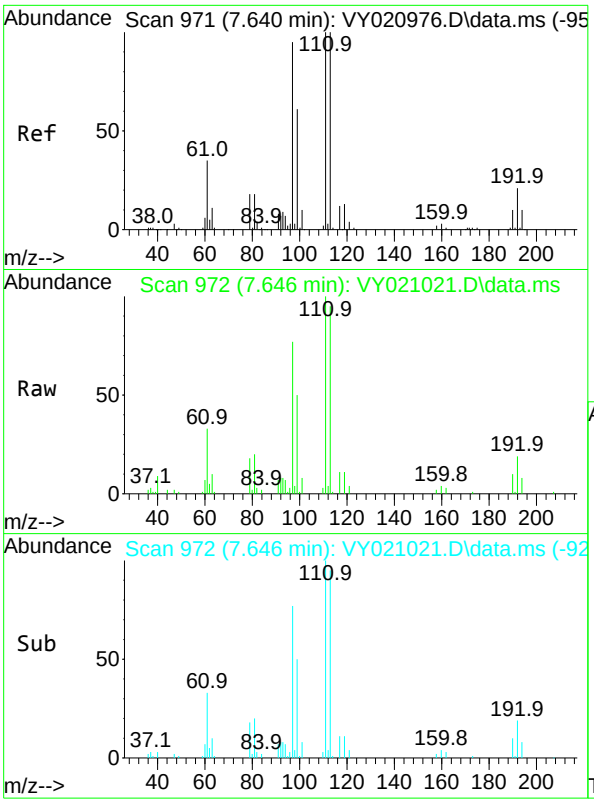




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:114 Resp: 285332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.0 | 0.0 | 37.2 |
| 88 | 15.0 | 0.0 | 29.6 |



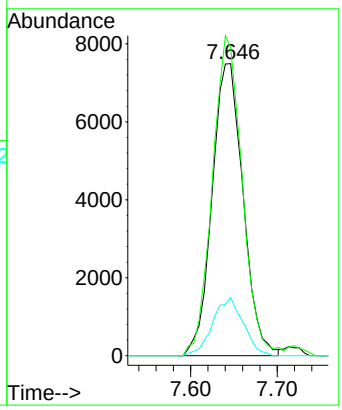


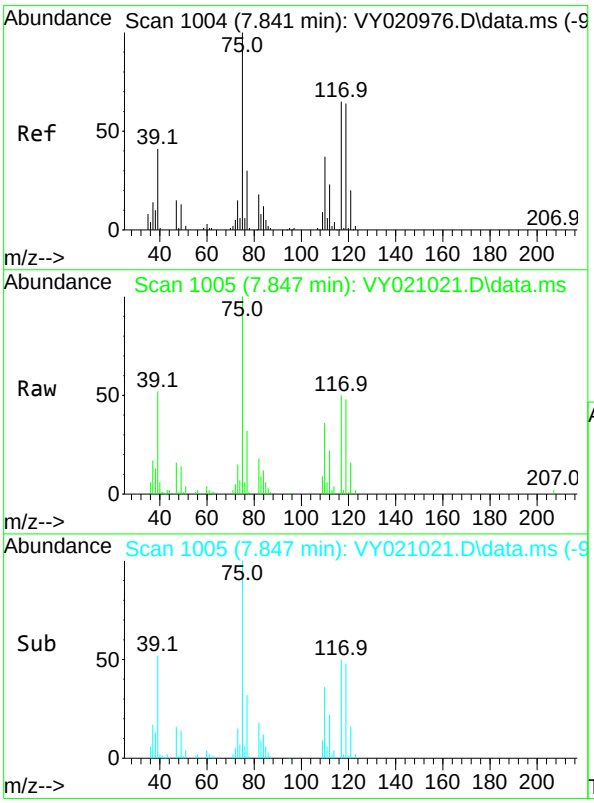

#35
Dibromofluoromethane
Concen: 10.859 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:113 Resp: 18627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.3 | 82.6 | 123.8 |
| 192 | 19.6 | 16.8 | 25.2 |

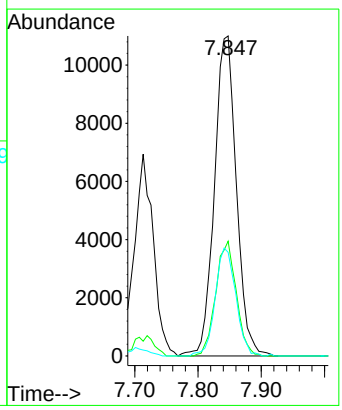


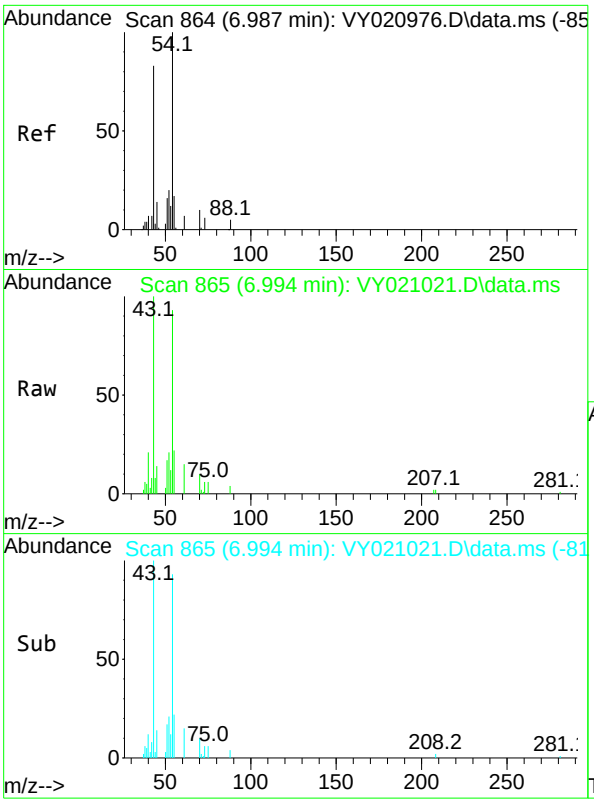




#36
1,1-Dichloropropene
Concen: 10.820 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 26479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.6 | 18.4 | 55.2 |
| 77 | 31.8 | 24.9 | 37.3 |



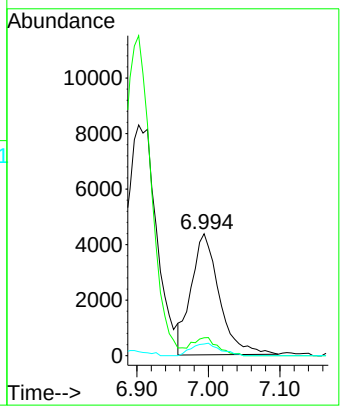


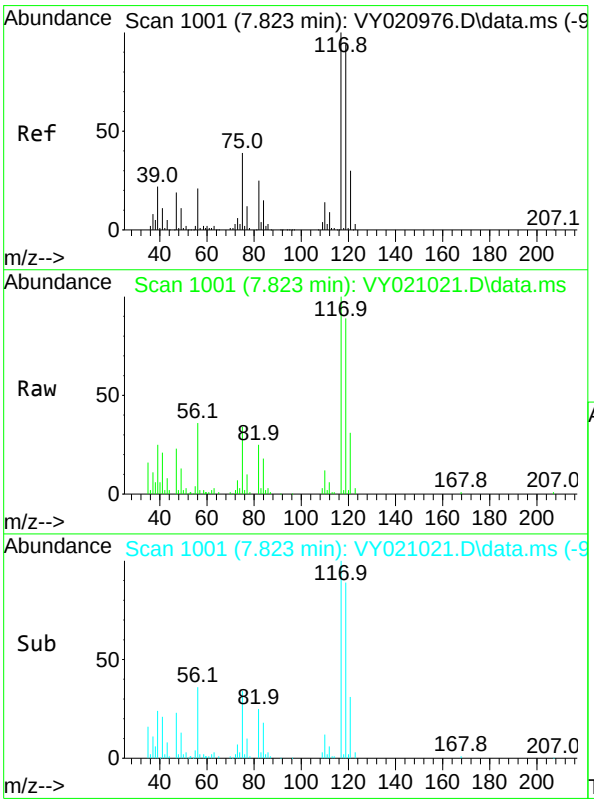

#37
Ethyl Acetate
Concen: 13.017 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 11876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 11.4 | 17.0 |
| 70 | 10.3 | 9.6 | 14.4 |

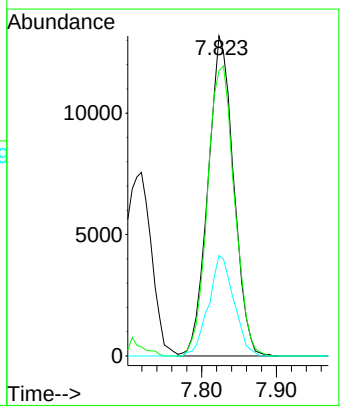


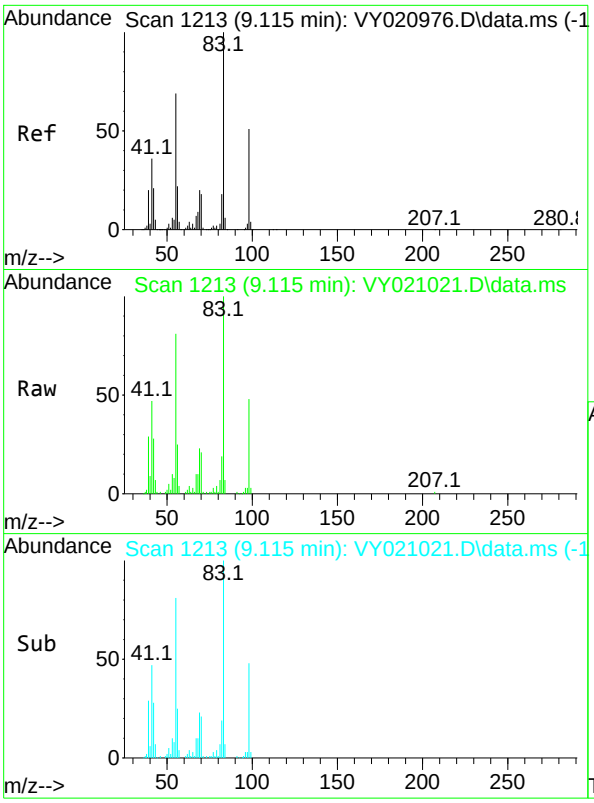




#38
Carbon Tetrachloride
Concen: 10.389 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 31462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 89.1 | 75.0 | 112.6 |
| 121 | 31.4 | 24.2 | 36.2 |



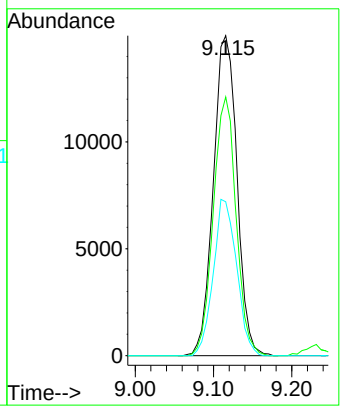


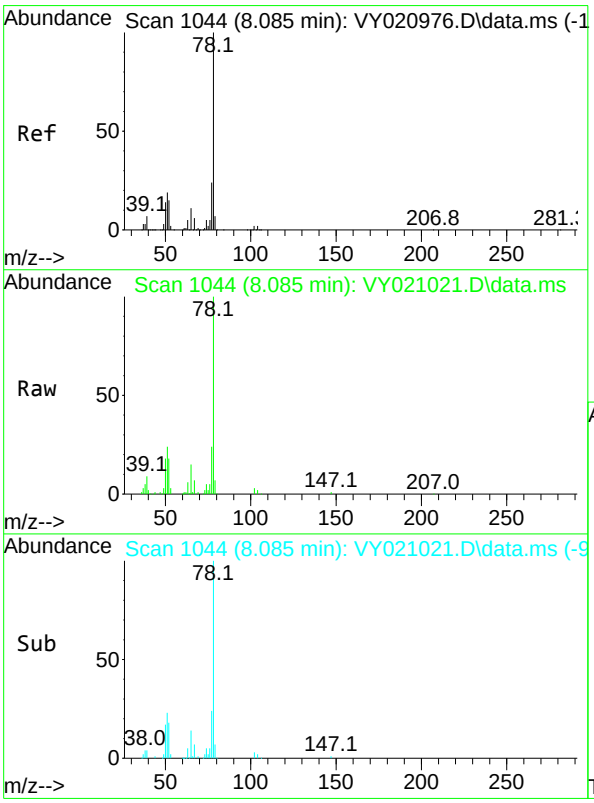

#39
Methylcyclohexane
Concen: 9.549 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 83 Resp: 31392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.9 | 54.9 | 82.3 |
| 98 | 48.1 | 40.5 | 60.7 |

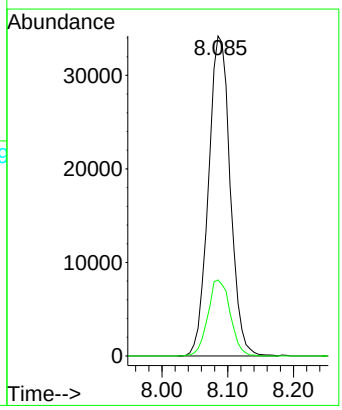


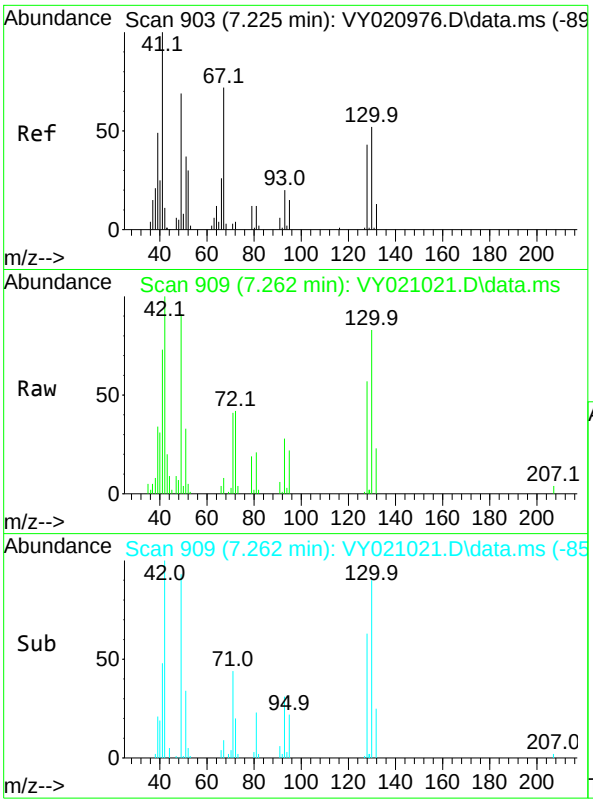




#40
Benzene
Concen: 10.950 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 78 Resp: 78846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.4 | 29.2 |



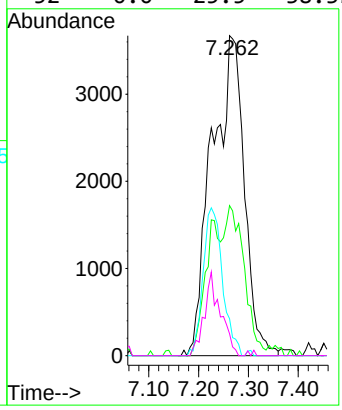


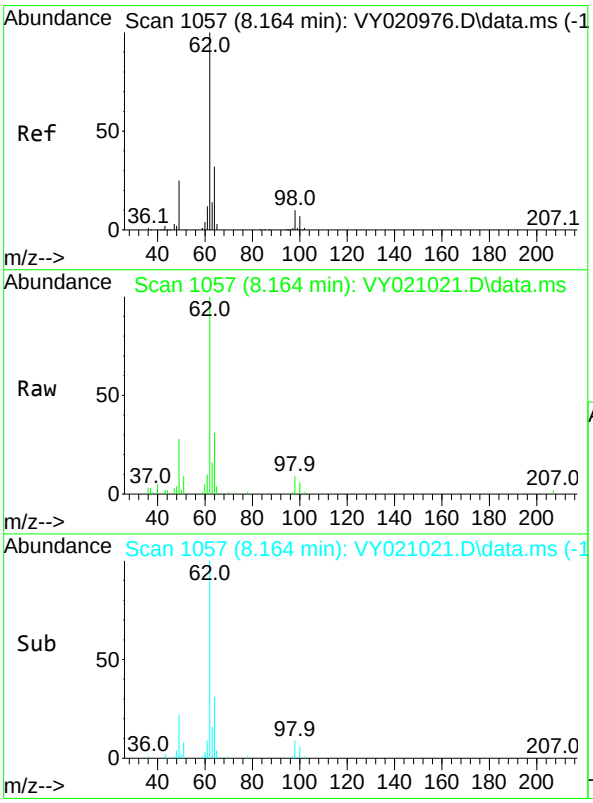

#41
Methacrylonitrile
Concen: 32.608 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.037 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 41 Resp: 16460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 25.2 | 41.6 | 62.4# |
| 67 | 0.0 | 63.8 | 95.6# |
| 52 | 0.0 | 25.5 | 38.3# |

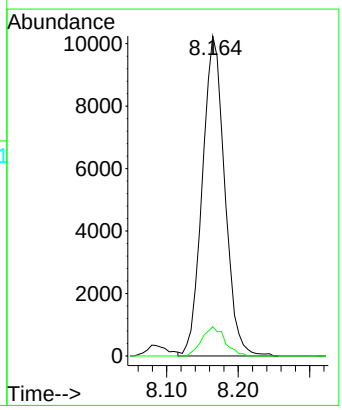


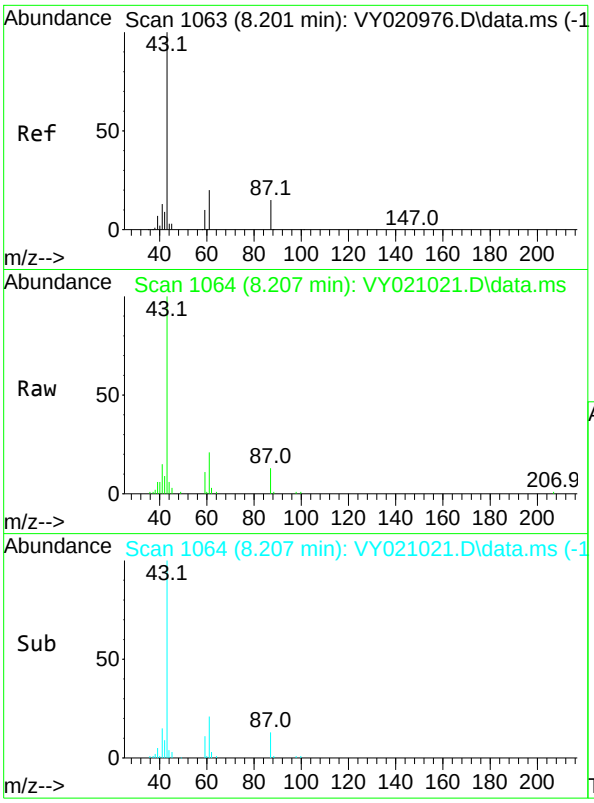




#42
1,2-Dichloroethane
Concen: 12.201 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 62 Resp: 22281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 19.4 |



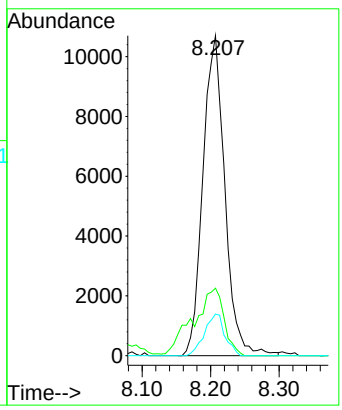


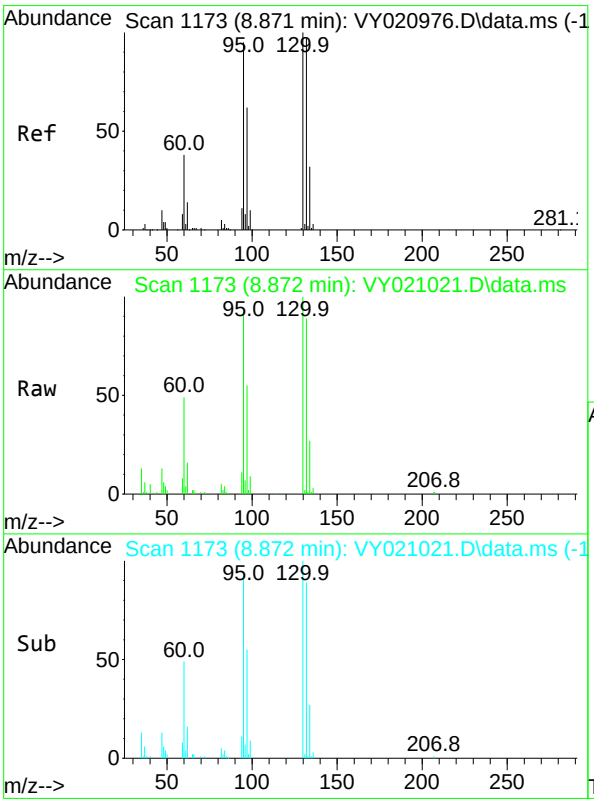

#43
Isopropyl Acetate
Concen: 13.055 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 23795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 29.8 | 15.8 | 23.6# |
| 87 | 12.1 | 12.5 | 18.7# |

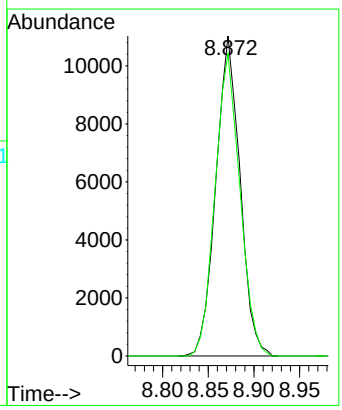


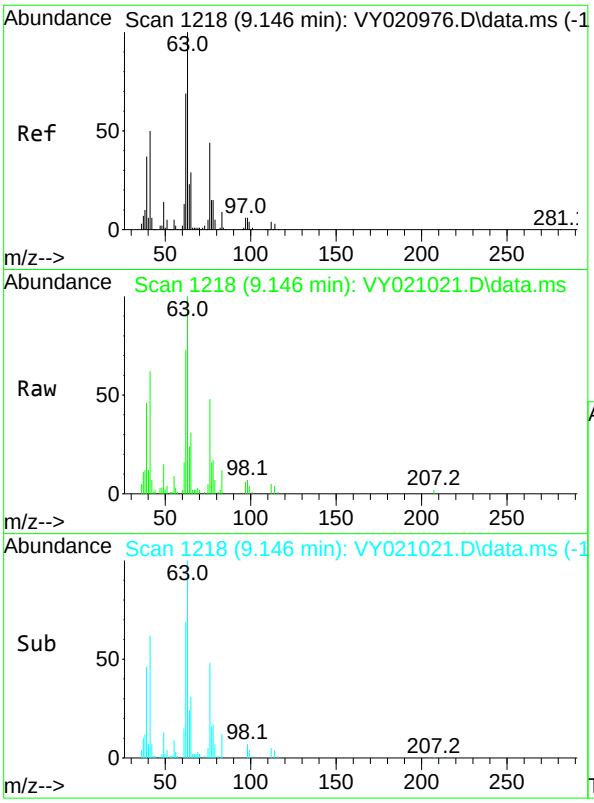




#44
Trichloroethene
Concen: 10.197 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:130 Resp: 20261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.4 | 0.0 | 189.6 |



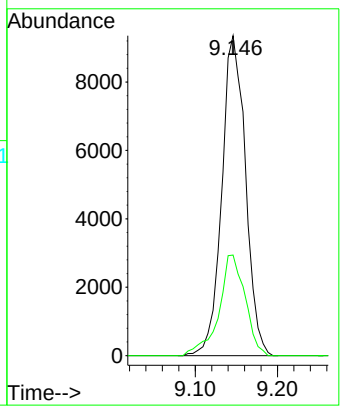


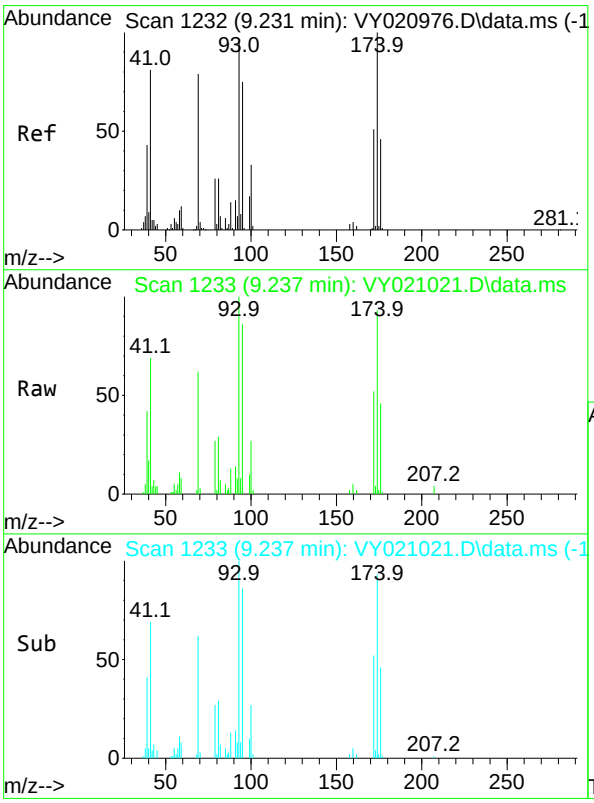

#45
1,2-Dichloropropane
Concen: 11.627 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 63 Resp: 18765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 23.6 | 35.4 |

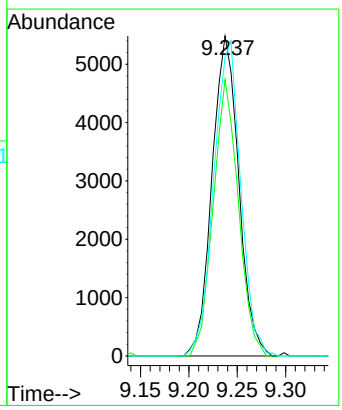


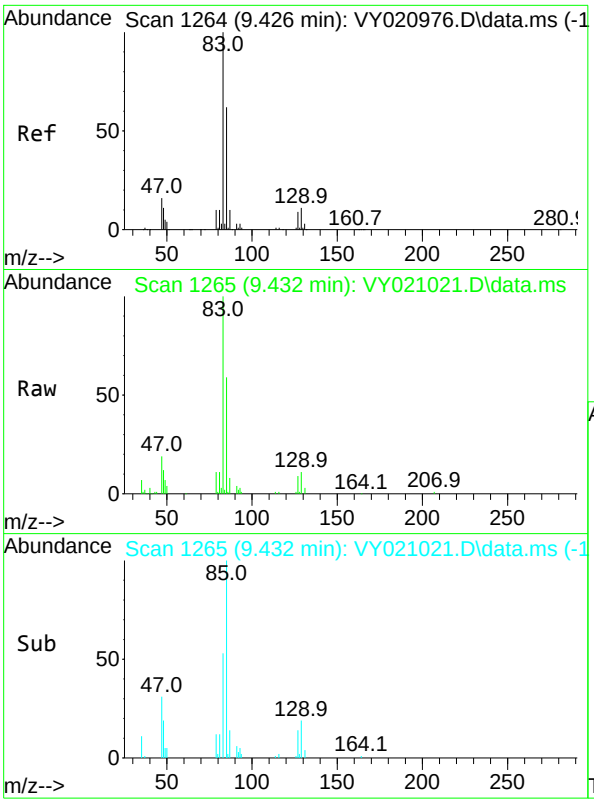




#46
Dibromomethane
Concen: 11.191 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 93 Resp: 10511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.3 | 65.8 | 98.8 |
| 174 | 99.5 | 88.1 | 132.1 |



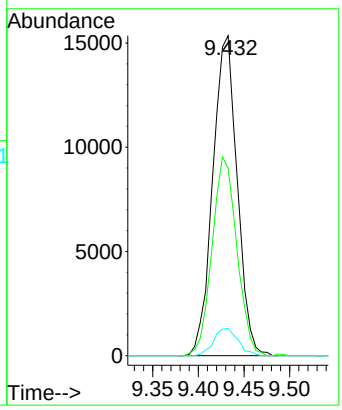


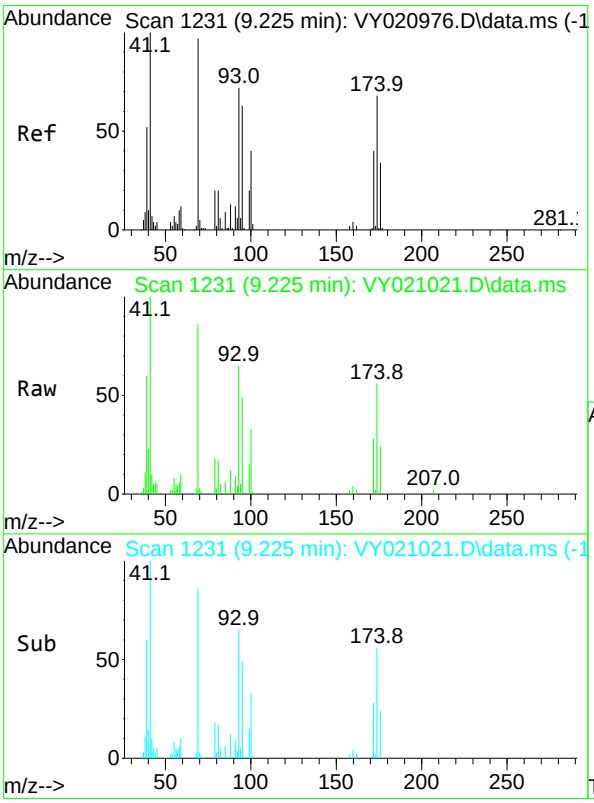

#47
Bromodichloromethane
Concen: 11.570 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 83 Resp: 28538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 58.7 | 49.6 | 74.4 |
| 127 | 8.5 | 7.1 | 10.7 |

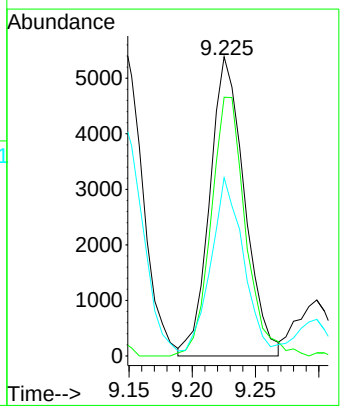


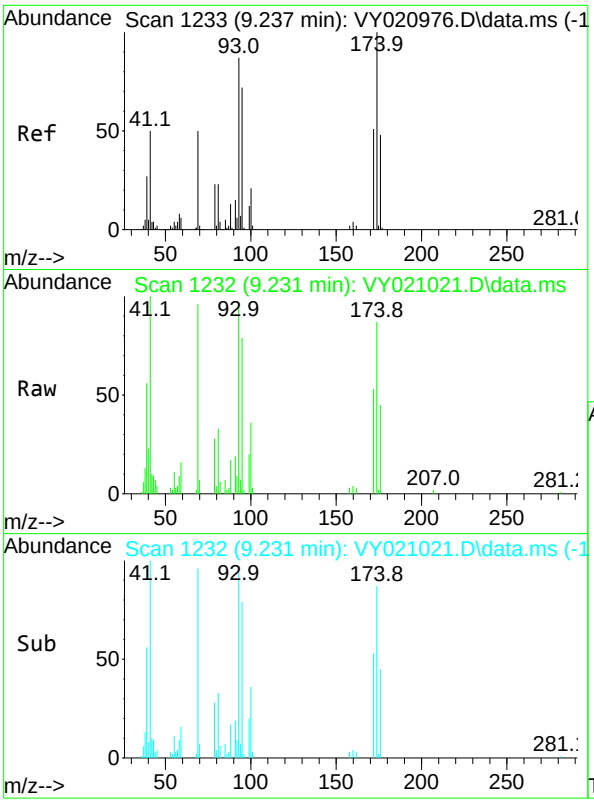




#48
Methyl methacrylate
Concen: 11.866 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 41 Resp: 10297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 85.7 | 75.6 | 113.4 |
| 39 | 54.0 | 41.3 | 61.9 |



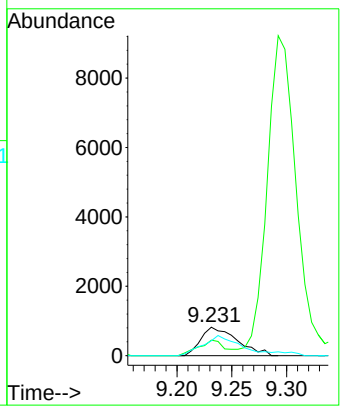


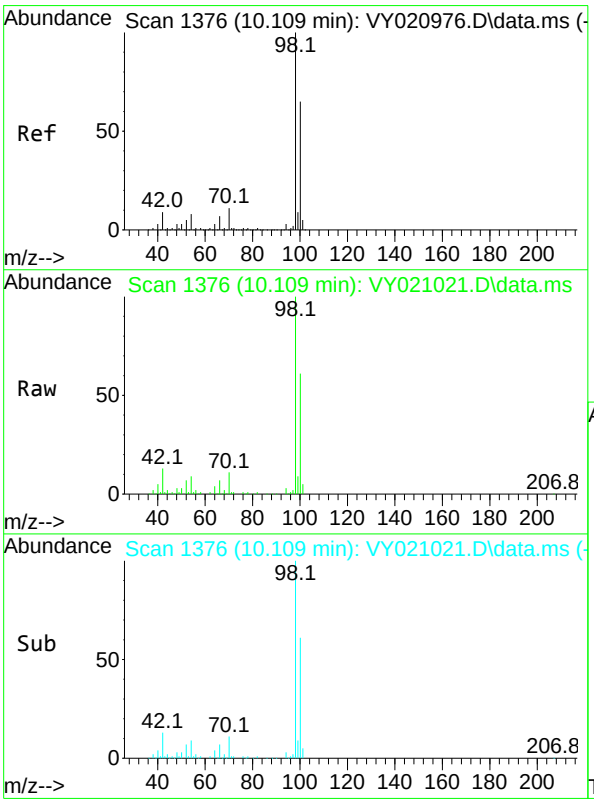

#49
1,4-Dioxane
Concen: 188.876 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 88 Resp: 1885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.2 | 24.2 | 36.4# |
| 58 | 79.4 | 57.3 | 85.9 |

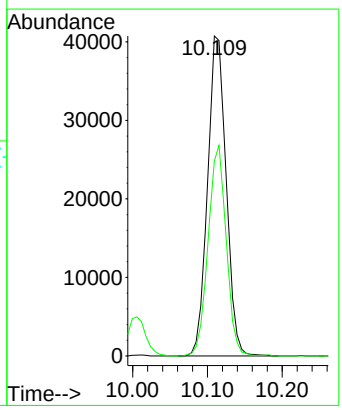


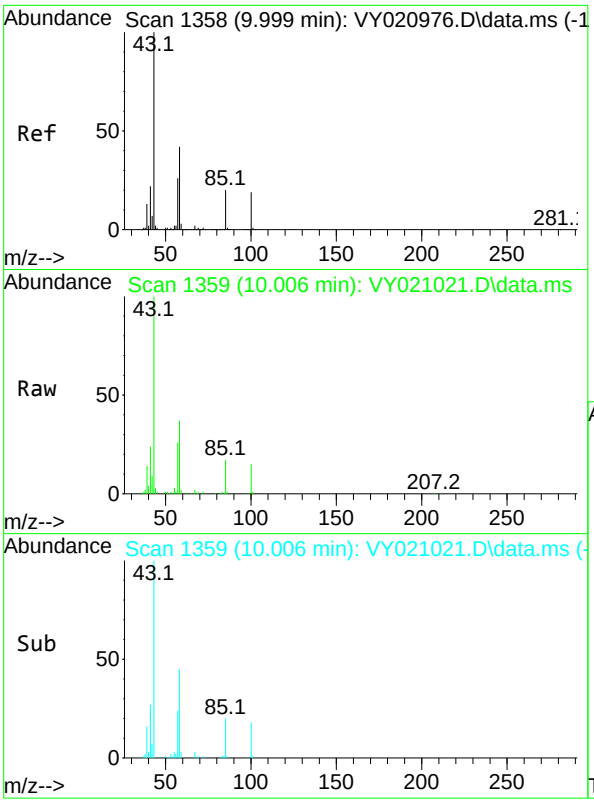




#50
Toluene-d8
Concen: 10.540 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 98 Resp: 70569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 52.6 | 79.0 |



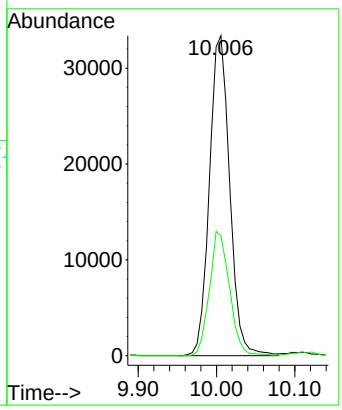


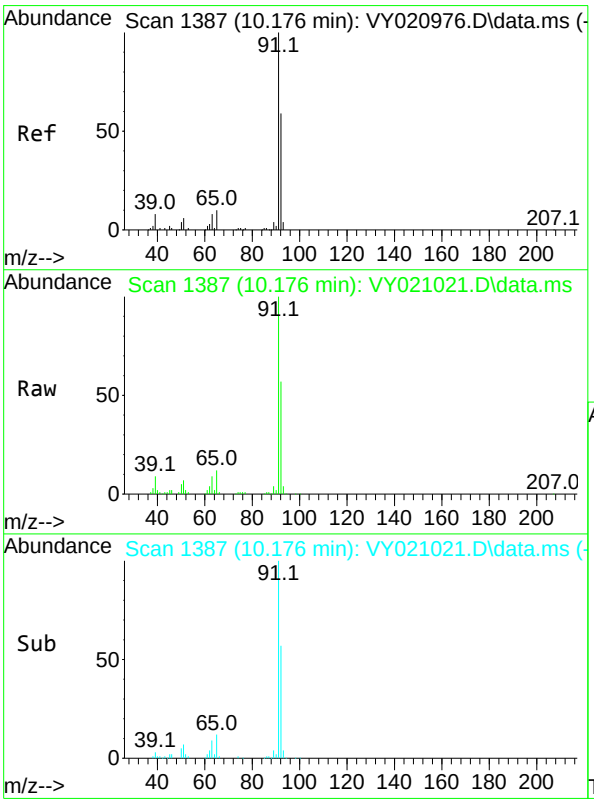

#51
4-Methyl-2-Pentanone
Concen: 64.159 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 60088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.5 | 33.8 | 50.8 |

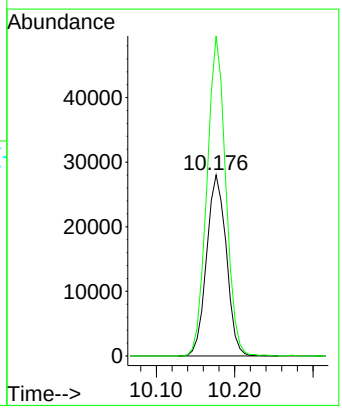


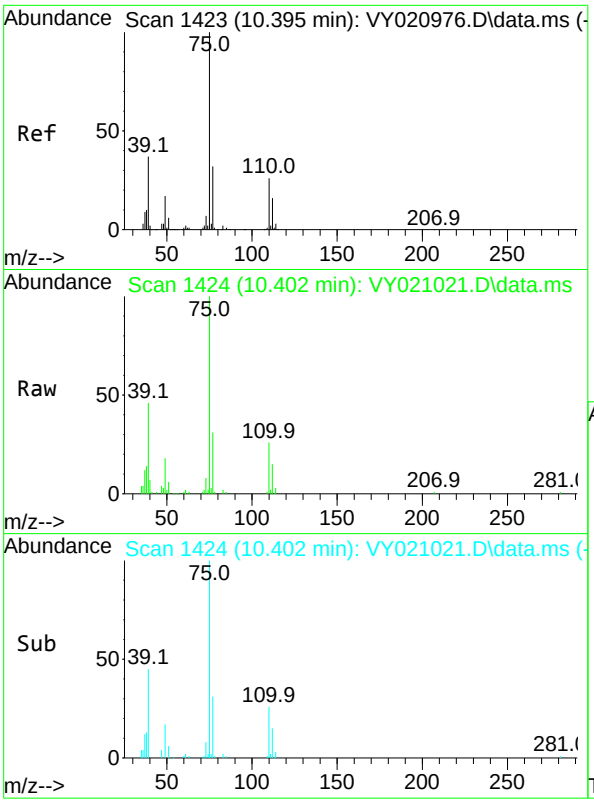




#52
Toluene
Concen: 10.457 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 92 Resp: 48876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.9 | 135.8 | 203.8 |



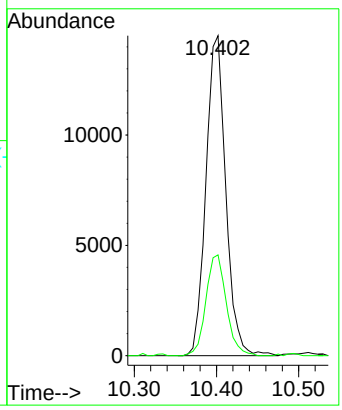


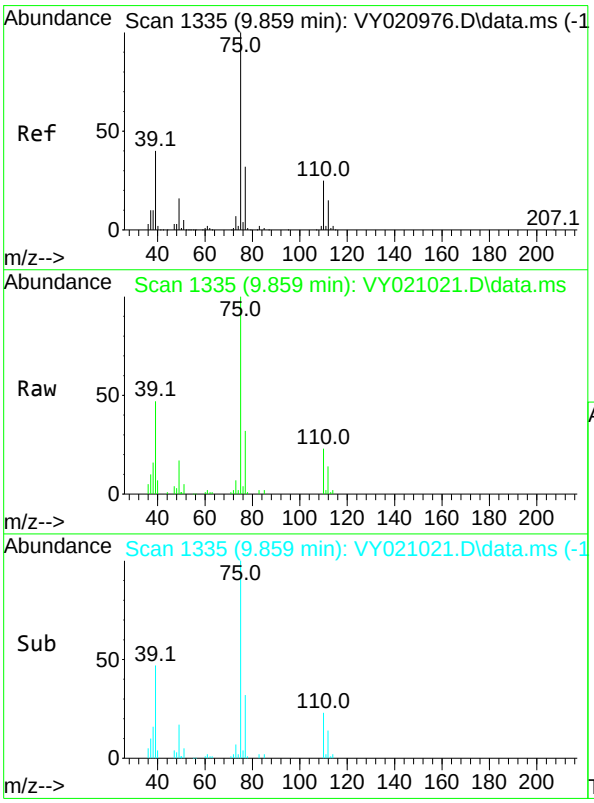

#53
t-1,3-Dichloropropene
Concen: 10.888 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 75 Resp: 24301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.9 | 38.9 |

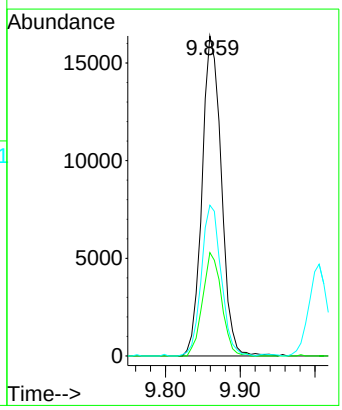


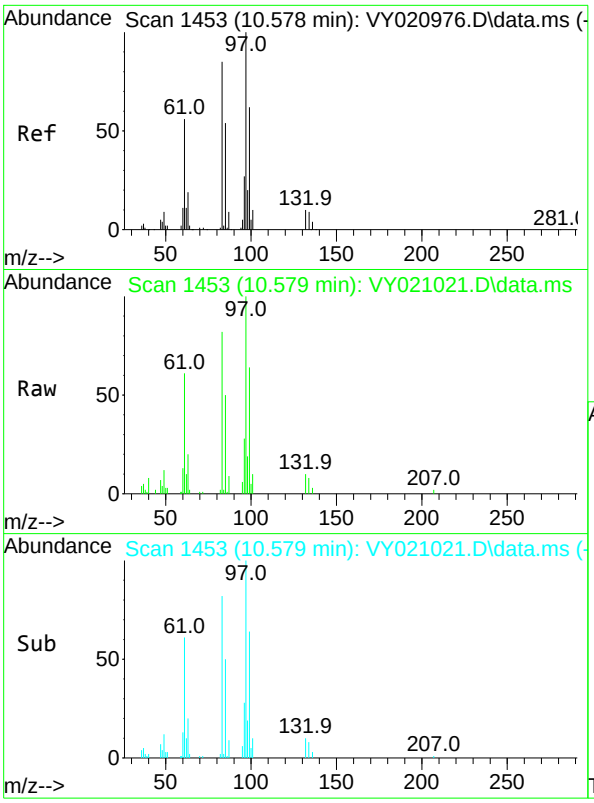




#54
cis-1,3-Dichloropropene
Concen: 11.031 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 29426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.4 | 38.0 |
| 39 | 47.1 | 32.2 | 48.2 |



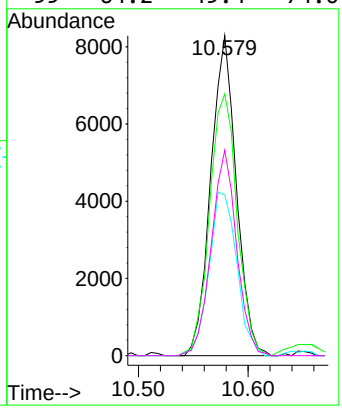


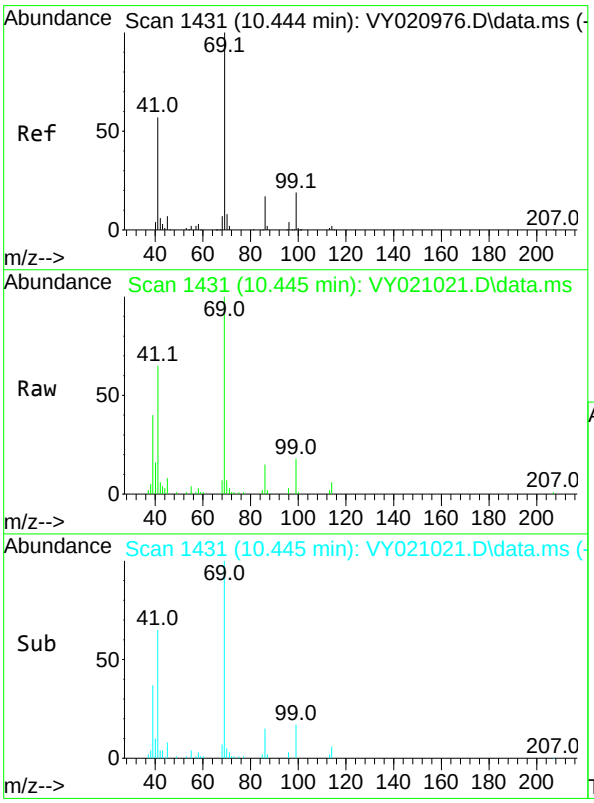

#55
1,1,2-Trichloroethane
Concen: 10.748 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 97 Resp: 13425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.8 | 67.7 | 101.5 |
| 85 | 50.2 | 43.4 | 65.2 |
| 99 | 64.2 | 49.4 | 74.0 |

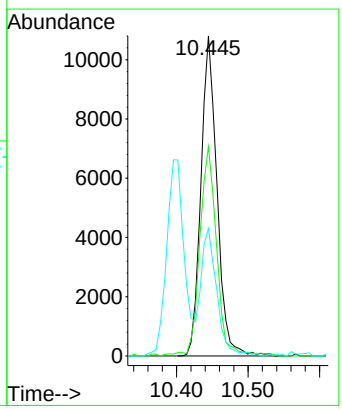


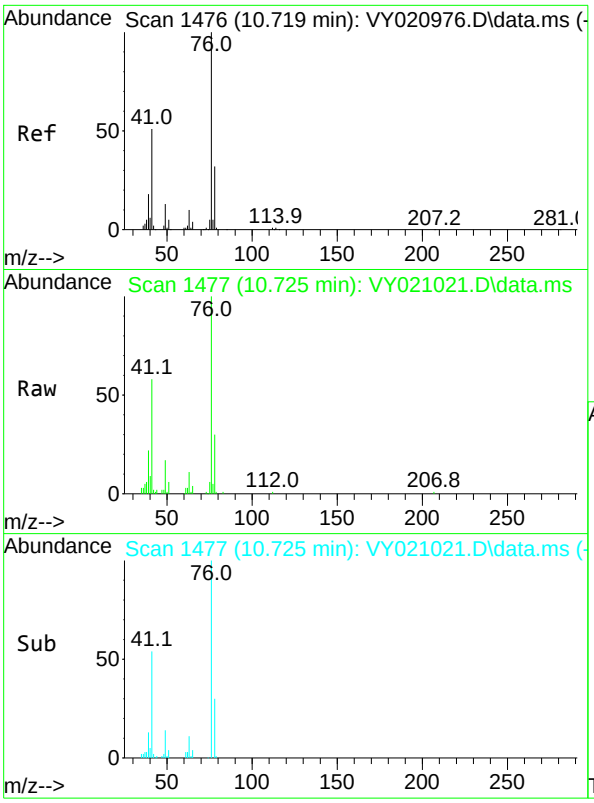




#56
Ethyl methacrylate
Concen: 10.341 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 69 Resp: 16883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.3 | 46.3 | 69.5 |
| 39 | 38.7 | 24.5 | 36.7# |



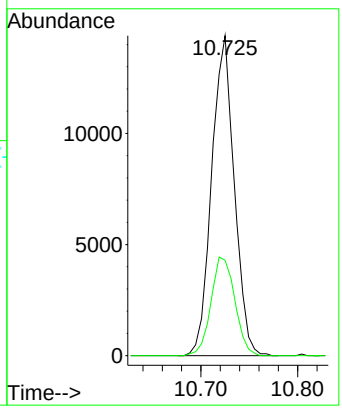


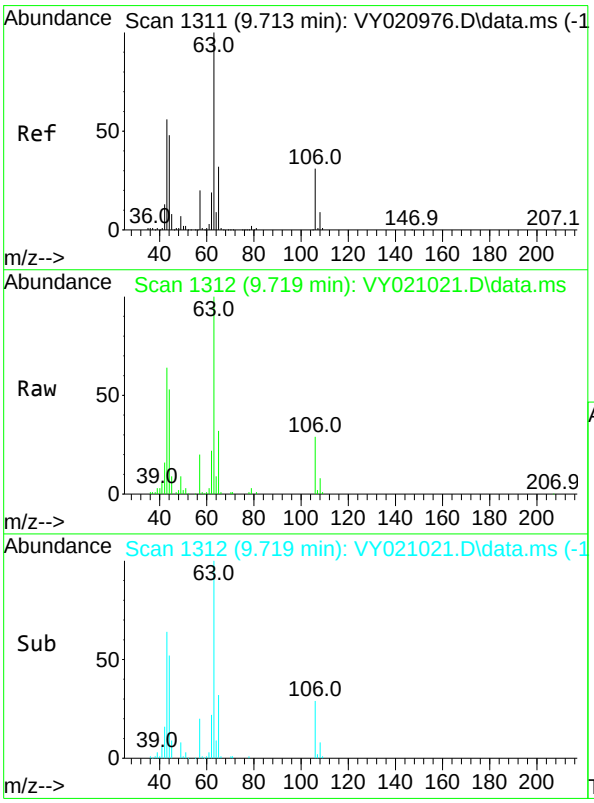

#57
1,3-Dichloropropane
Concen: 11.042 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 76 Resp: 23377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 25.8 | 38.6 |

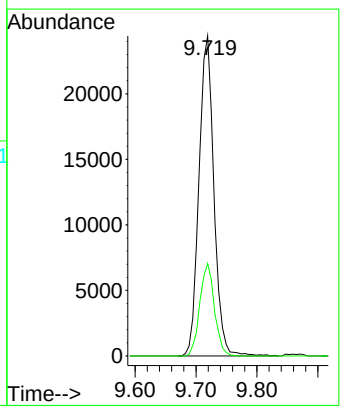


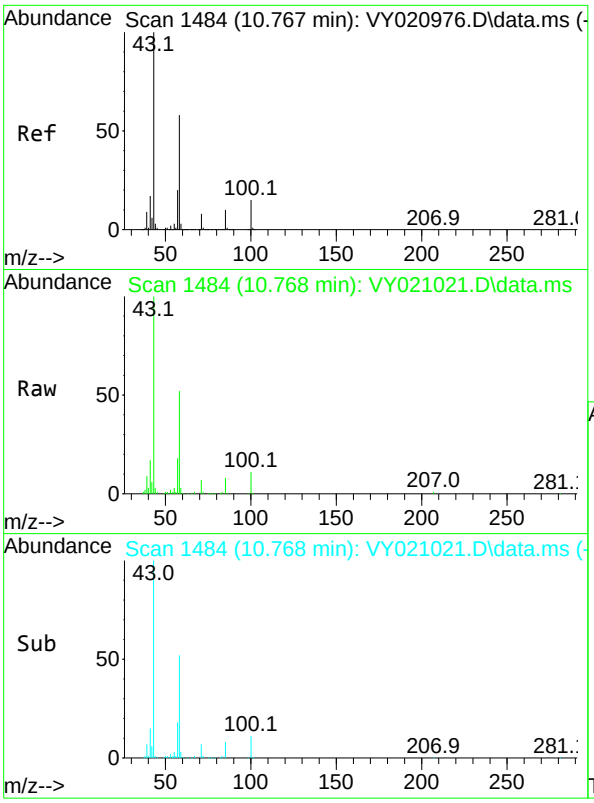




#58
2-Chloroethyl Vinyl ether
Concen: 60.048 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 63 Resp: 41611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 24.7 | 37.1 |



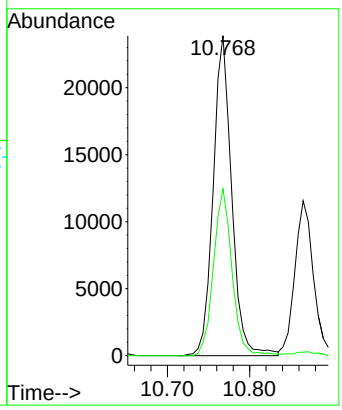


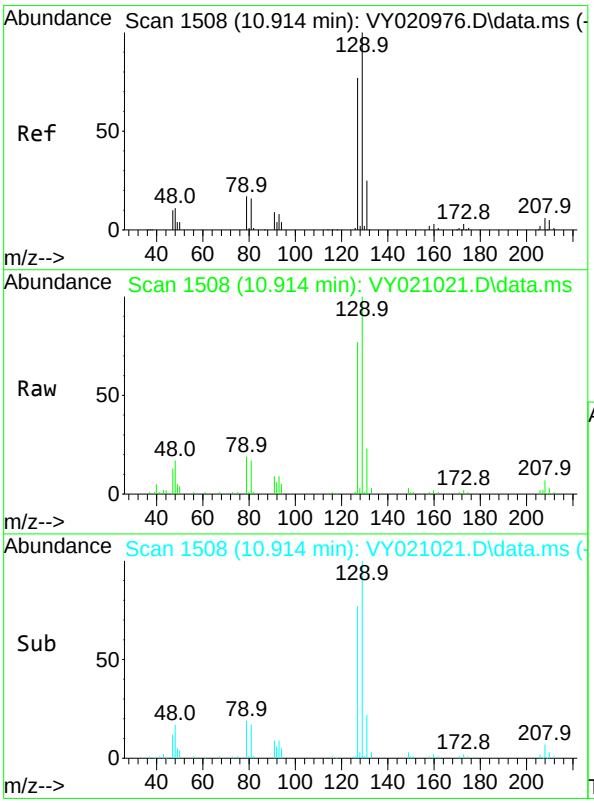

#59
2-Hexanone
Concen: 61.283 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 37306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 29.8 | 89.3 |

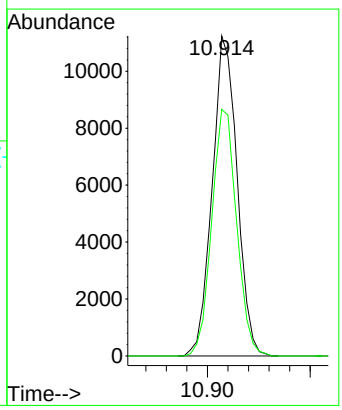


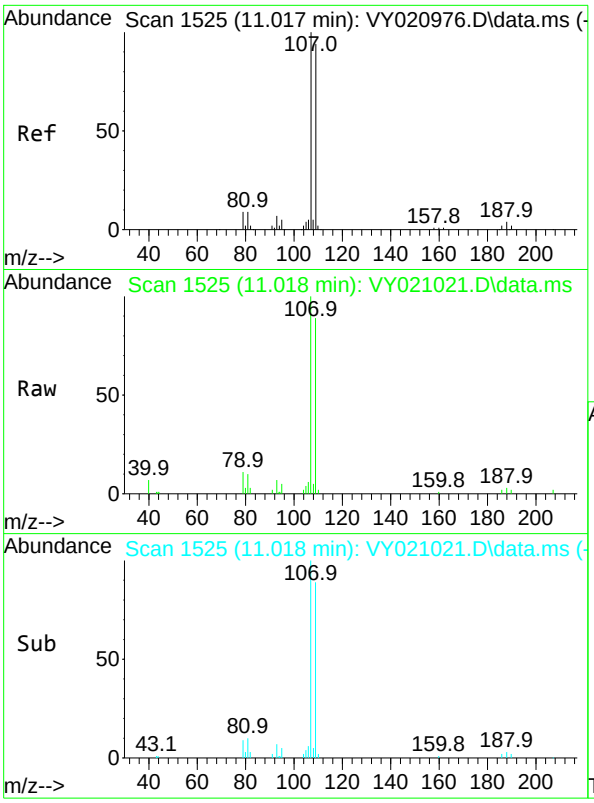




#60
Dibromochloromethane
Concen: 10.585 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:129 Resp: 18851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.2 | 38.5 | 115.3 |



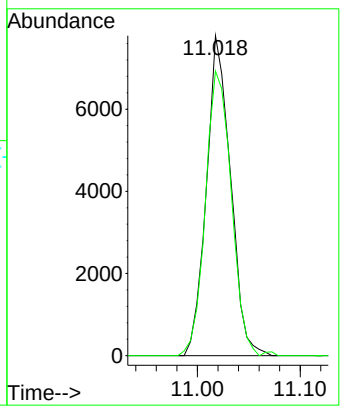


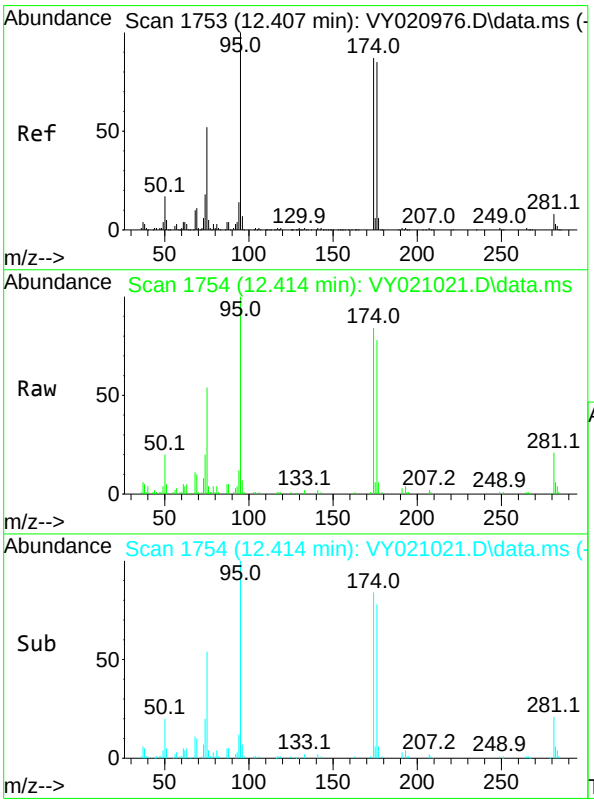

#61
1,2-Dibromoethane
Concen: 10.684 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:107 Resp: 12746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.5 | 76.6 | 114.8 |

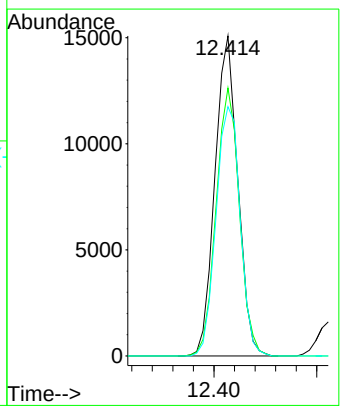


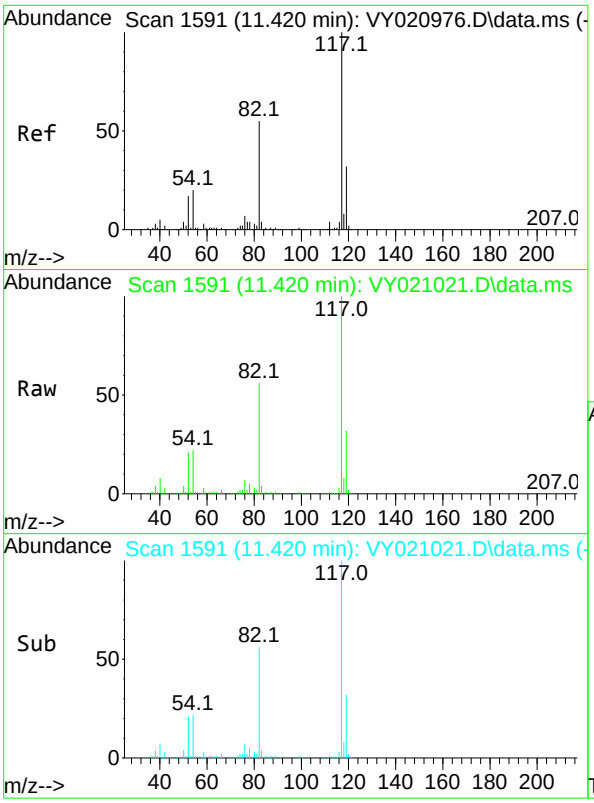




#62
4-Bromofluorobenzene
Concen: 10.362 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 95 Resp: 23279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.2 | 0.0 | 181.2 |
| 176 | 82.2 | 0.0 | 175.2 |



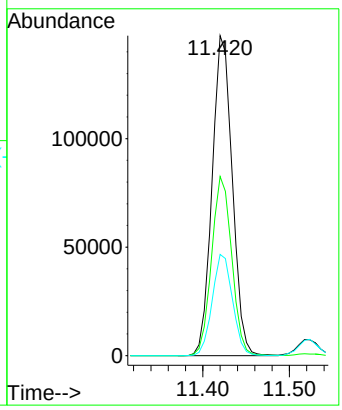


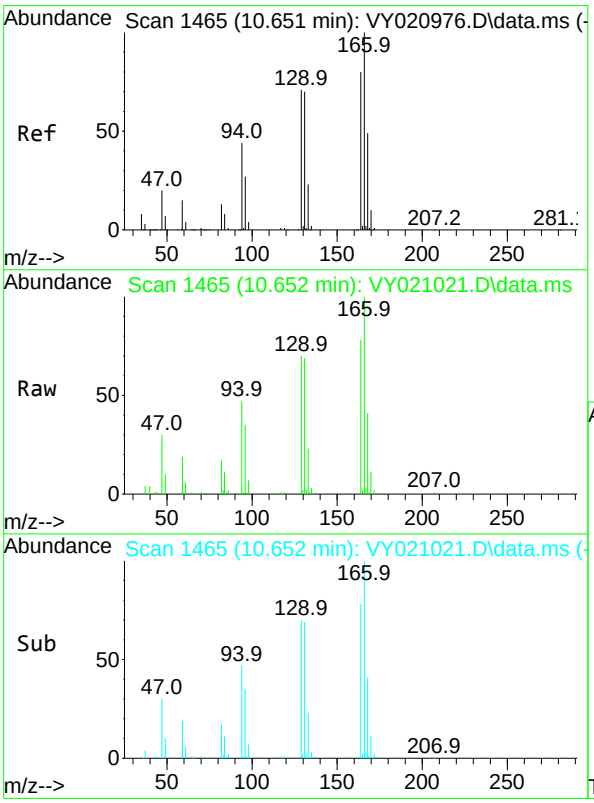

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:117 Resp: 239030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 44.2 | 66.2 |
| 119 | 31.6 | 25.9 | 38.9 |

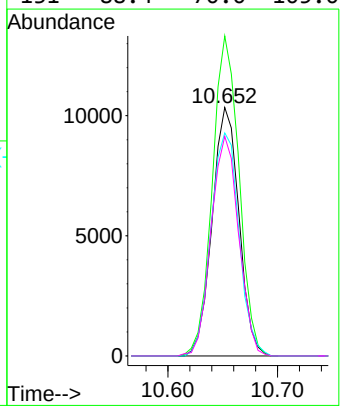


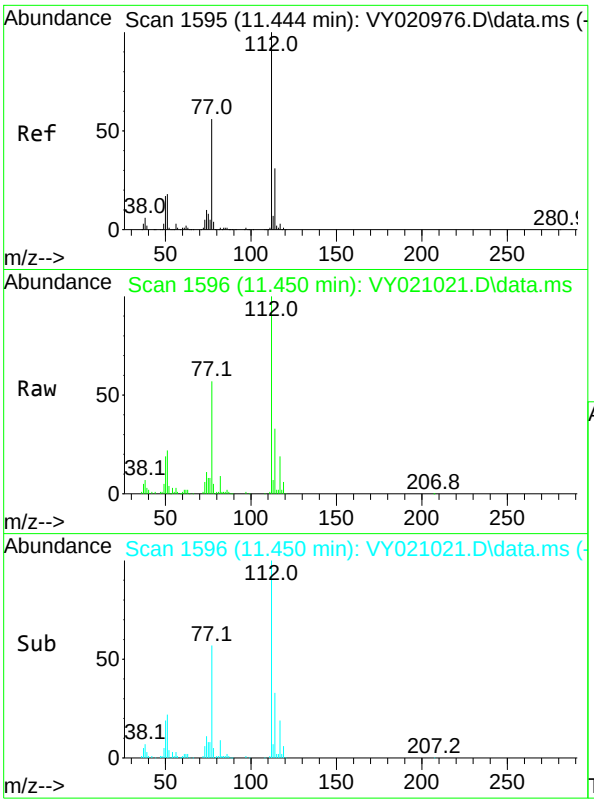




#64
Tetrachloroethene
Concen: 9.730 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:164 Resp: 17544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.8 | 100.4 | 150.6 |
| 129 | 89.8 | 70.8 | 106.2 |
| 131 | 88.4 | 70.0 | 105.0 |



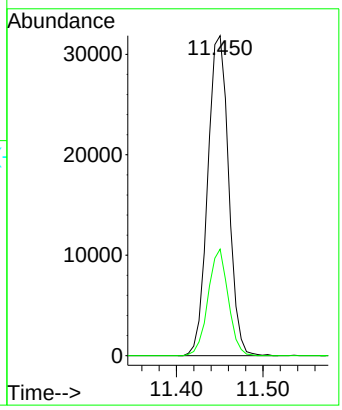


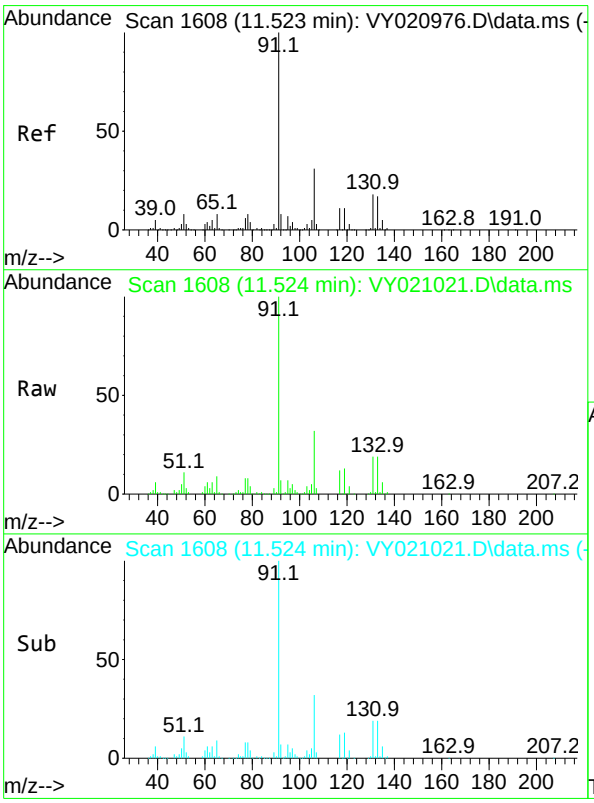

#65
Chlorobenzene
Concen: 10.583 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:112 Resp: 53298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.3 | 24.6 | 37.0 |

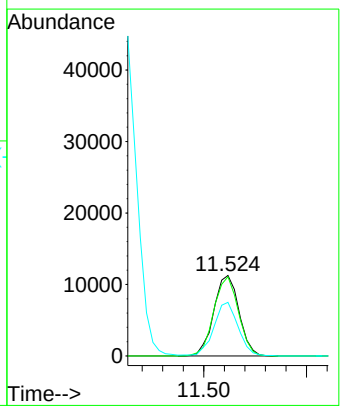


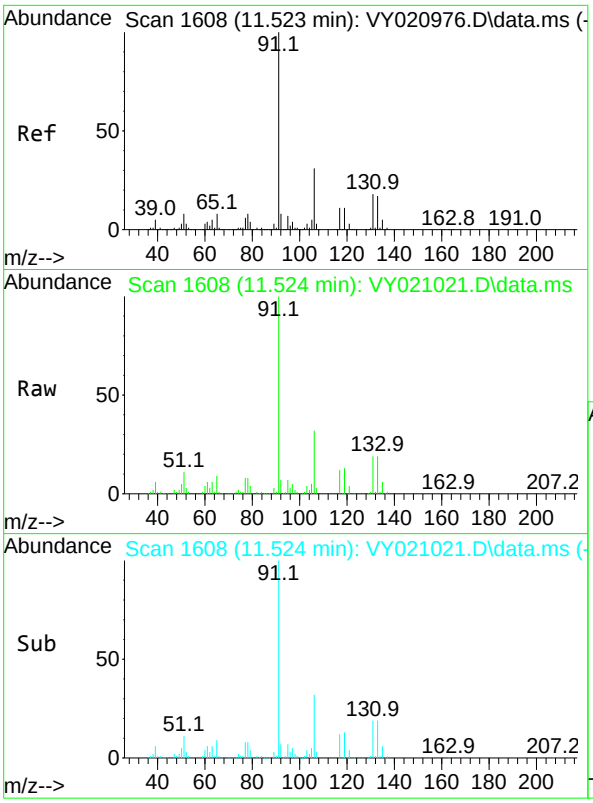




#66
1,1,1,2-Tetrachloroethane
Concen: 10.714 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:131 Resp: 19150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.1 | 48.7 | 146.1 |
| 119 | 64.1 | 31.4 | 94.3 |



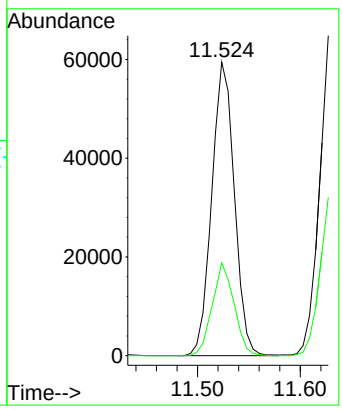


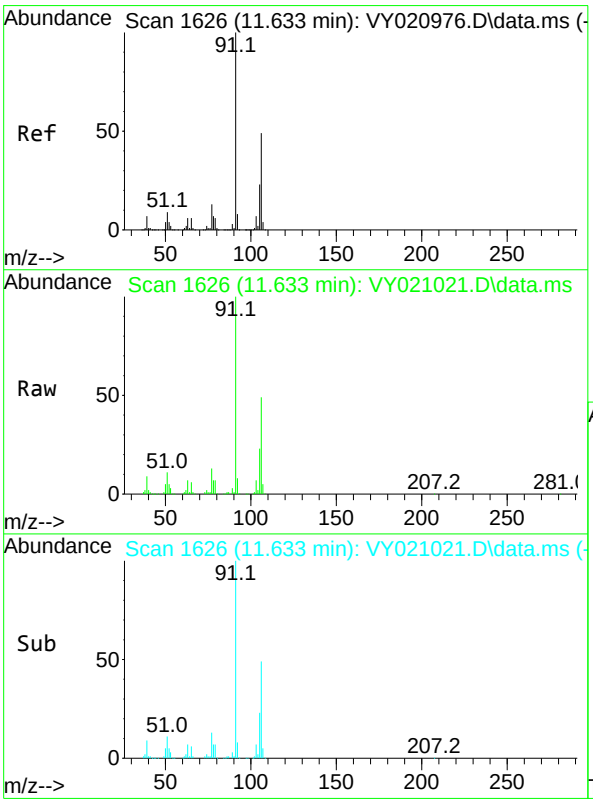

#67
Ethyl Benzene
Concen: 10.411 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 91 Resp: 90783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.6 | 24.9 | 37.3 |

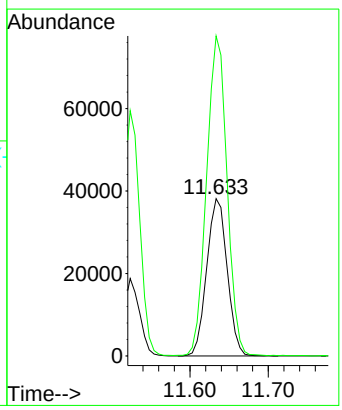


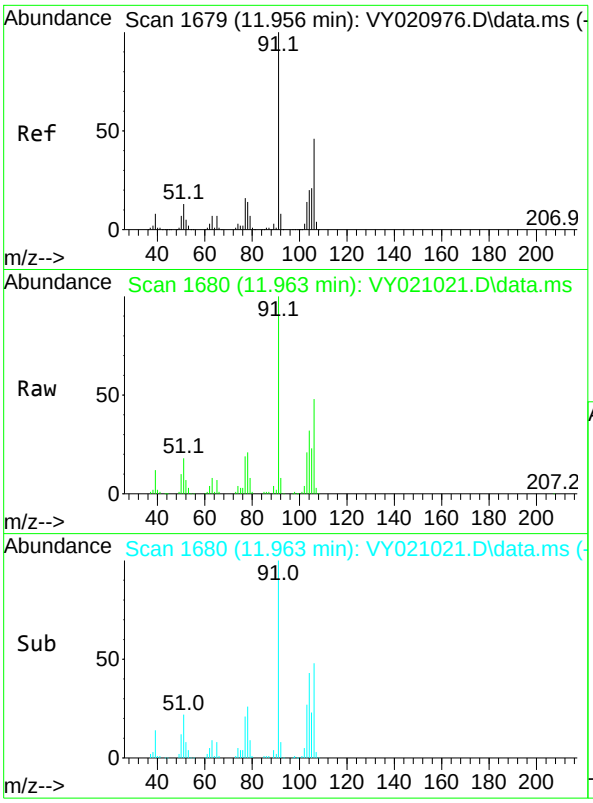




#68
m/p-Xylenes
Concen: 20.624 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:106 Resp: 69094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.2 | 160.0 | 240.0 |



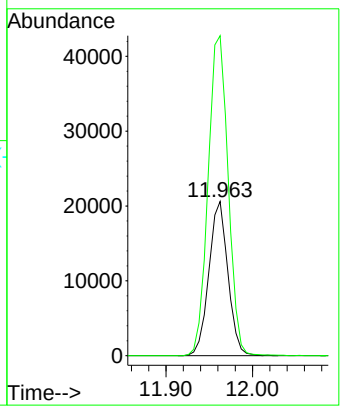


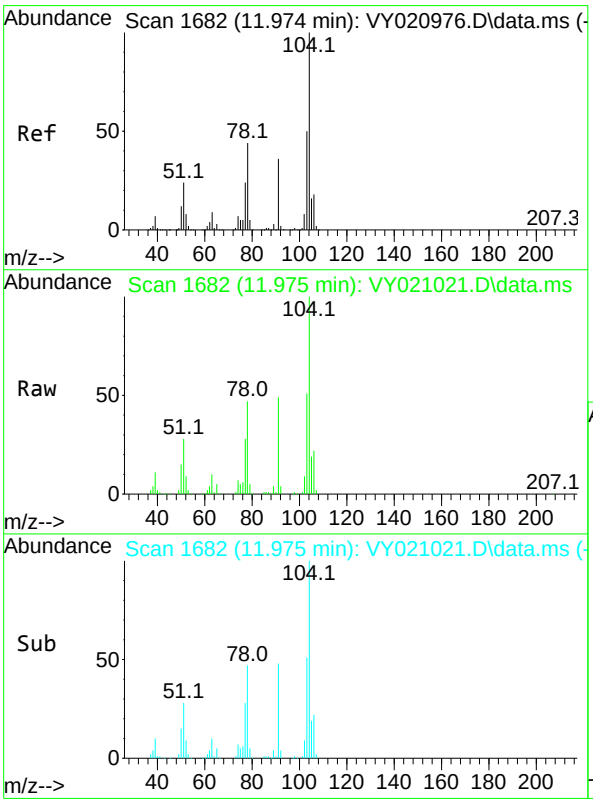

#69
o-Xylene
Concen: 10.106 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:106 Resp: 31473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.6 | 105.8 | 317.6 |

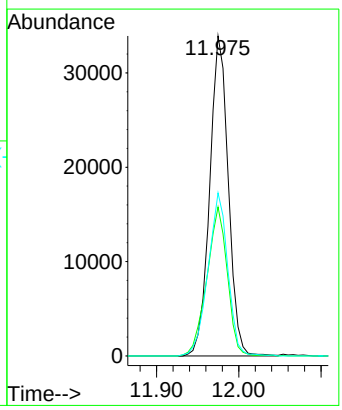


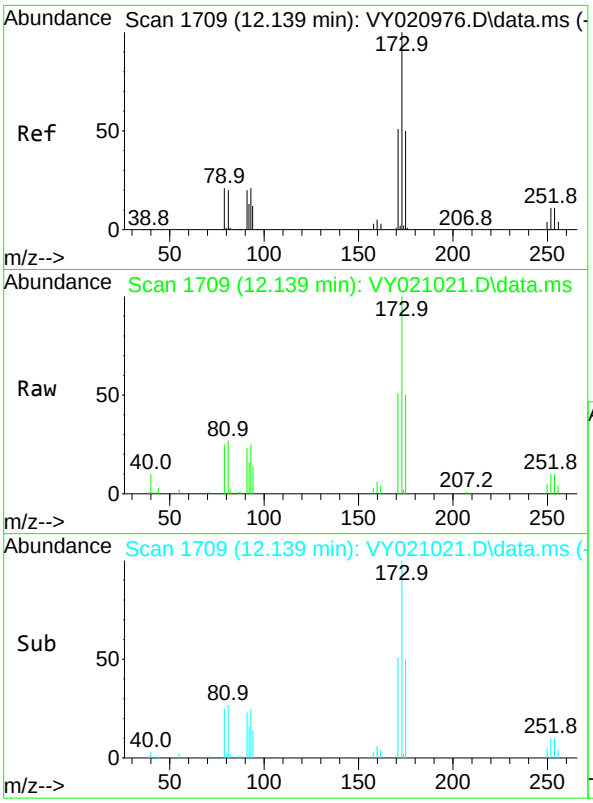




#70
Styrene
Concen: 10.334 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:104 Resp: 53436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.0 | 39.0 | 58.4 |
| 103 | 54.3 | 43.7 | 65.5 |



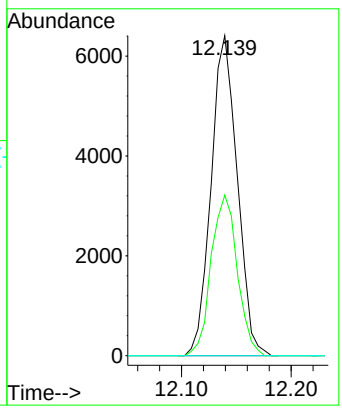


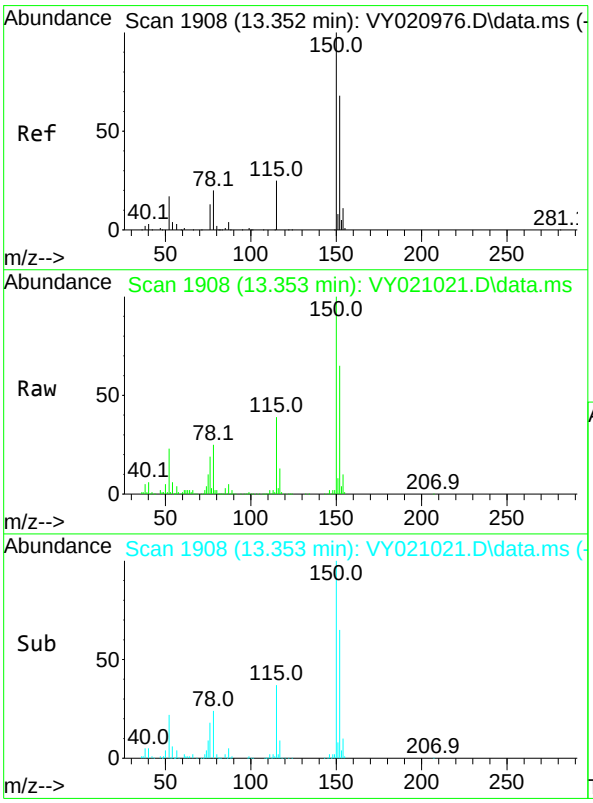

#71
Bromoform
Concen: 10.088 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:173 Resp: 10627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.1 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

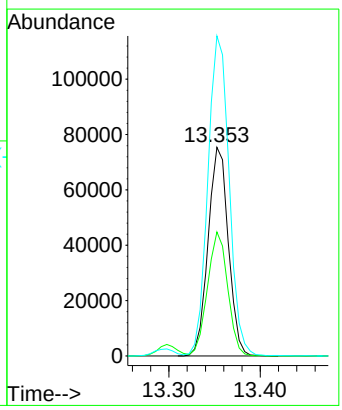


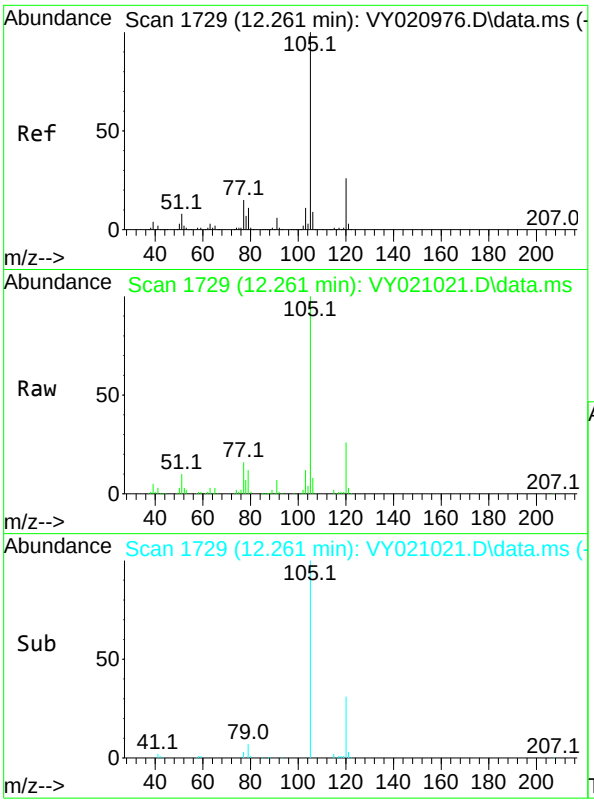




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:152 Resp: 115682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.3 | 28.4 | 85.2 |
| 150 | 161.1 | 0.0 | 342.8 |



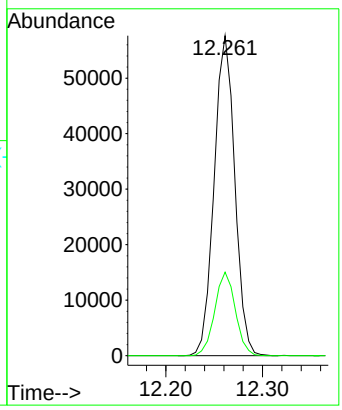


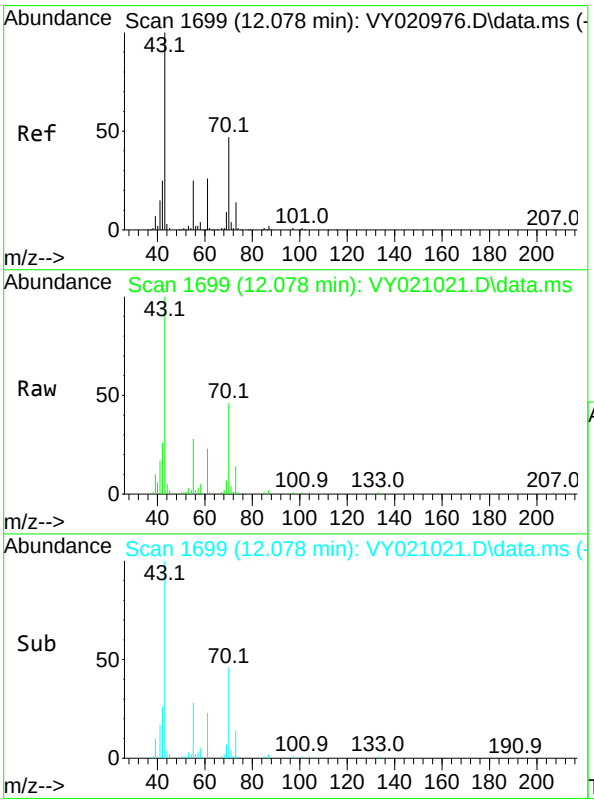

#73
Isopropylbenzene
Concen: 10.522 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:105 Resp: 85491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.4 | 40.2 |

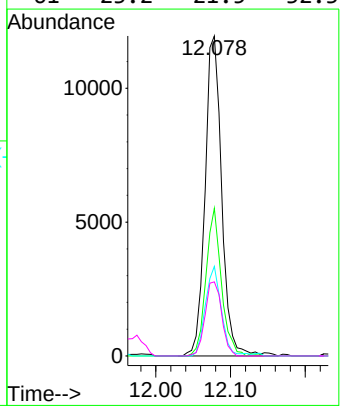


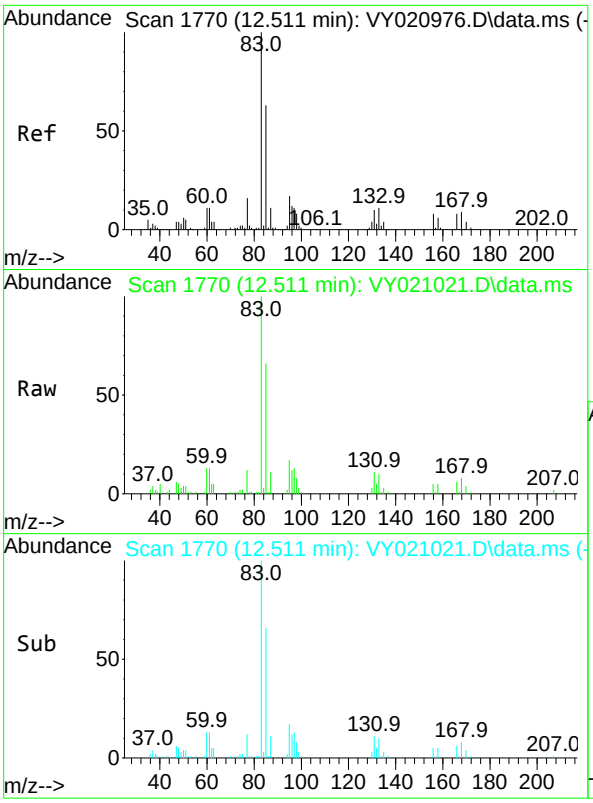




#74
N-amyl acetate
Concen: 12.524 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 43 Resp: 18529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.6 | 39.3 | 58.9 |
| 55 | 27.0 | 22.3 | 33.5 |
| 61 | 23.2 | 21.5 | 32.3 |



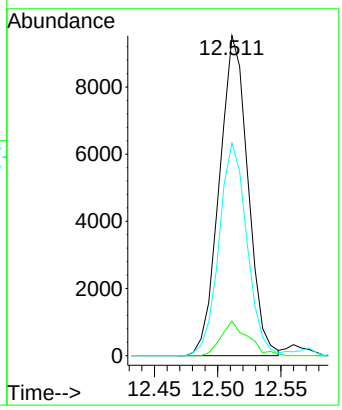


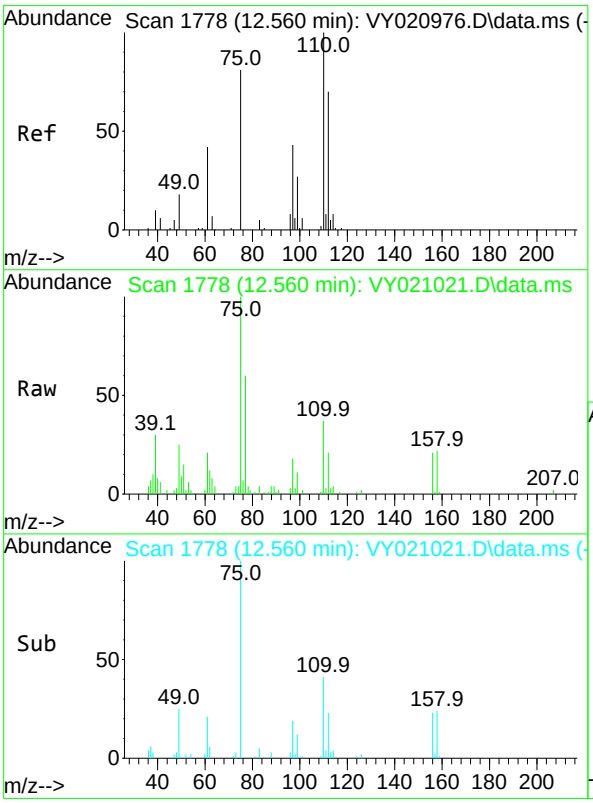

#75
1,1,2,2-Tetrachloroethane
Concen: 11.393 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 83 Resp: 14942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 5.7 | 17.1 |
| 85 | 65.5 | 31.9 | 95.9 |

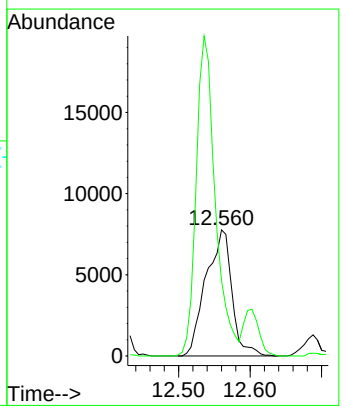


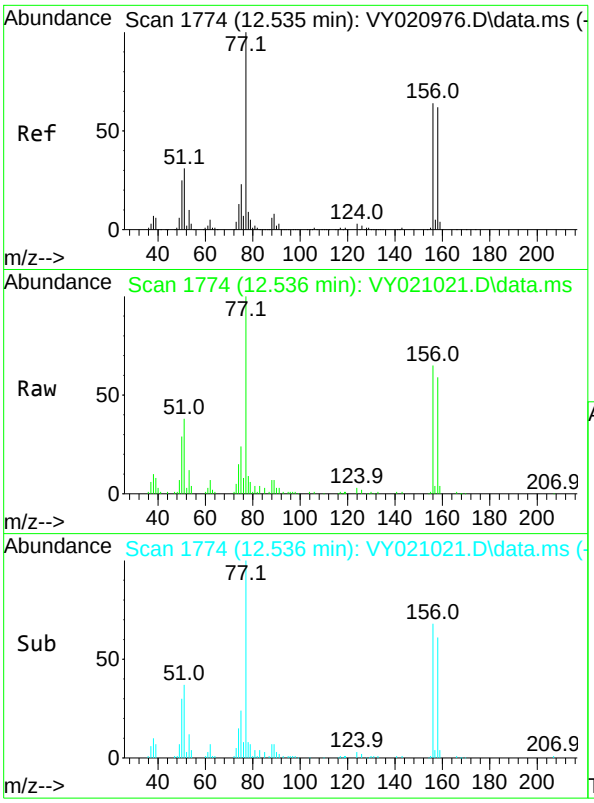




#76
1,2,3-Trichloropropane
Concen: 21.361 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 19562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



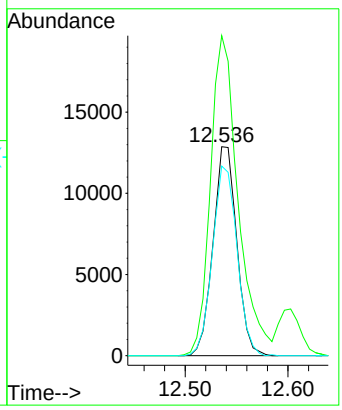


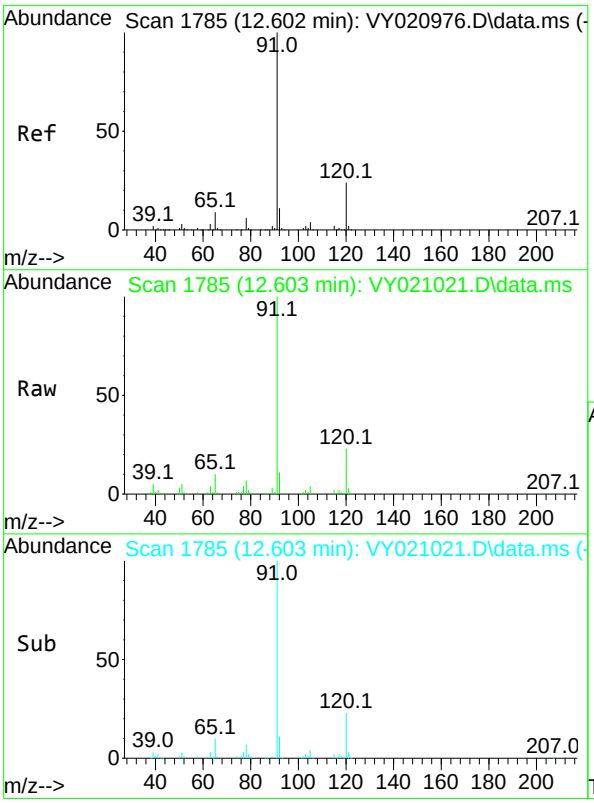

#77
Bromobenzene
Concen: 10.712 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:156 Resp: 20634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 177.9 | 83.3 | 249.9 |
| 158 | 94.0 | 48.3 | 144.9 |

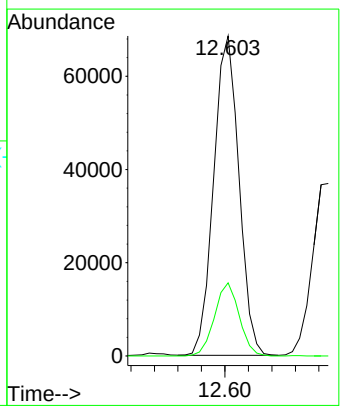


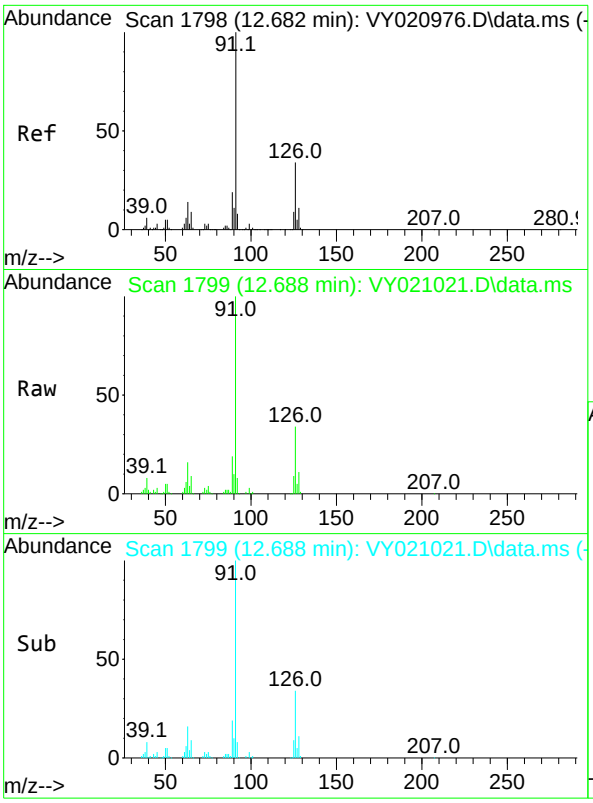




#78
n-propylbenzene
Concen: 10.738 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 102250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.8 | 35.4 |



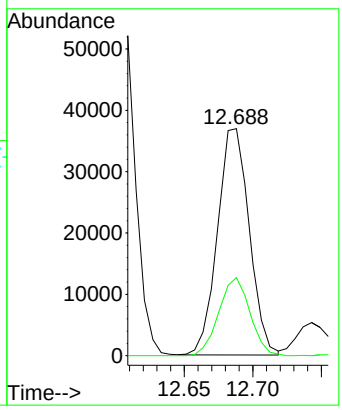


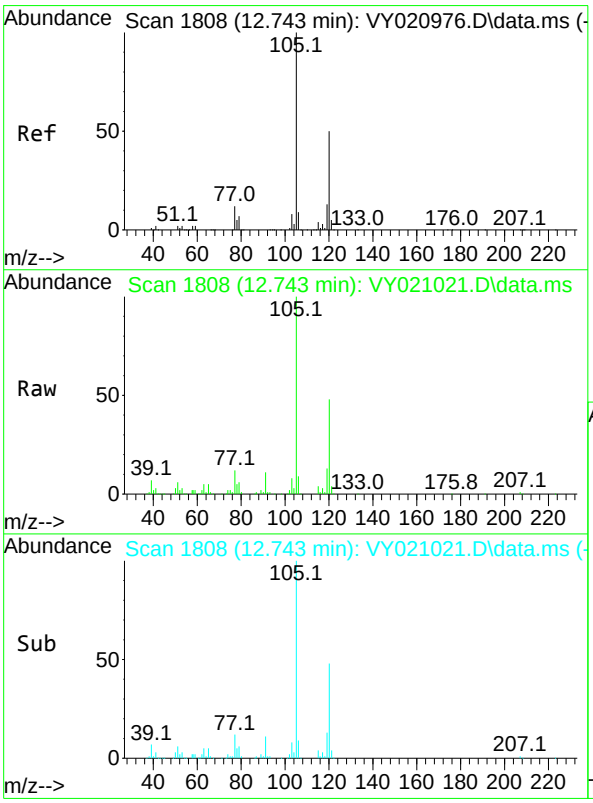

#79
2-Chlorotoluene
Concen: 10.991 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 91 Resp: 59630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 17.3 | 51.9 |

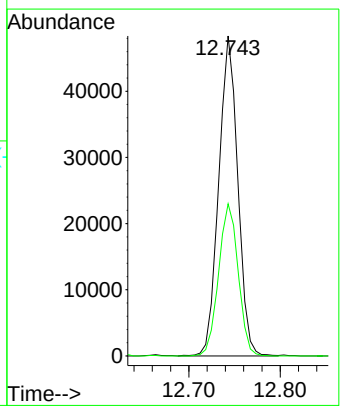


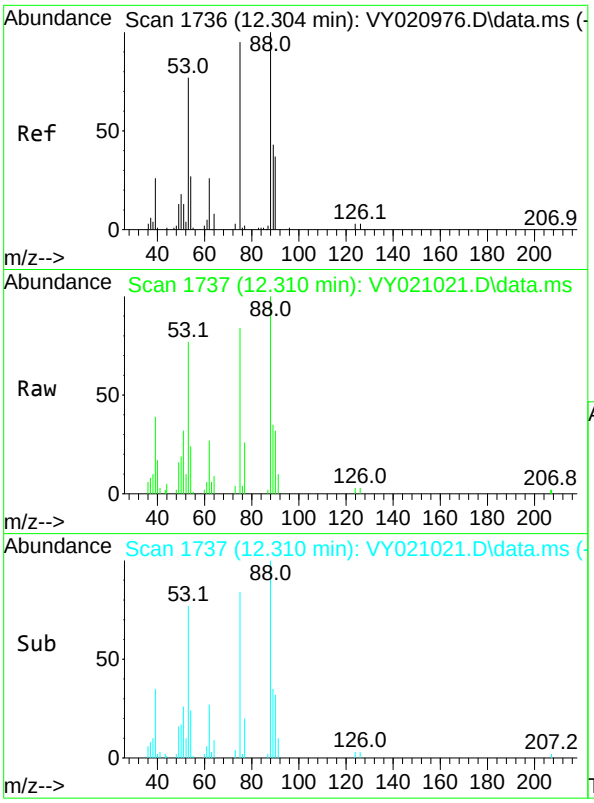




#80
1,3,5-Trimethylbenzene
Concen: 10.541 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 70161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.8 | 24.3 | 72.9 |



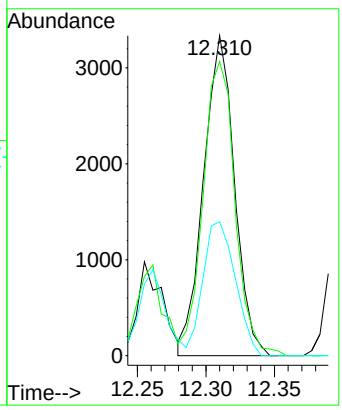


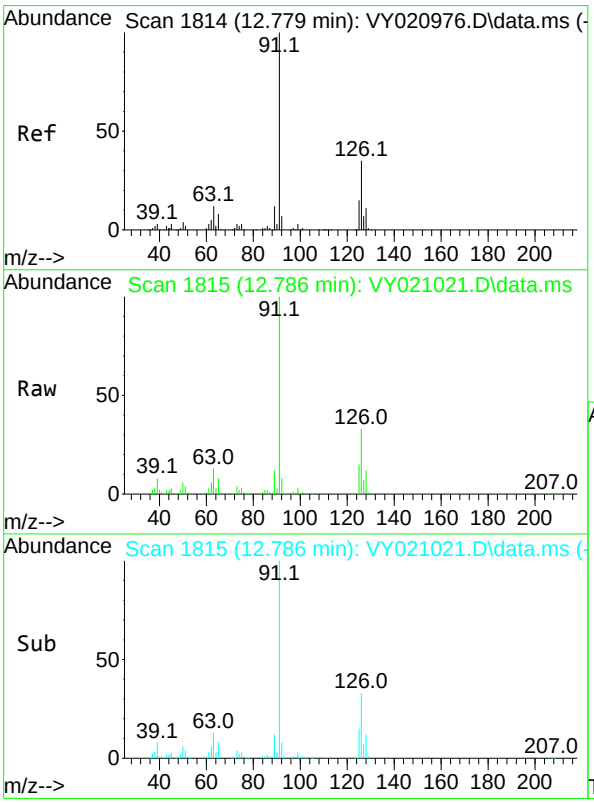

#81
trans-1,4-Dichloro-2-butene
Concen: 11.842 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 75 Resp: 5224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 94.9 | 68.6 | 103.0 |
| 89 | 43.8 | 38.1 | 57.1 |

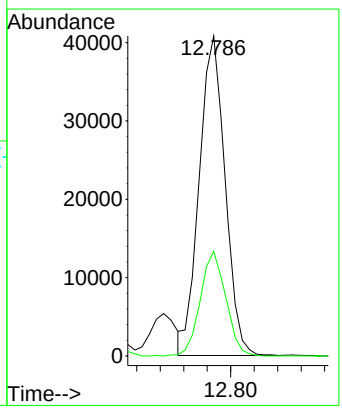


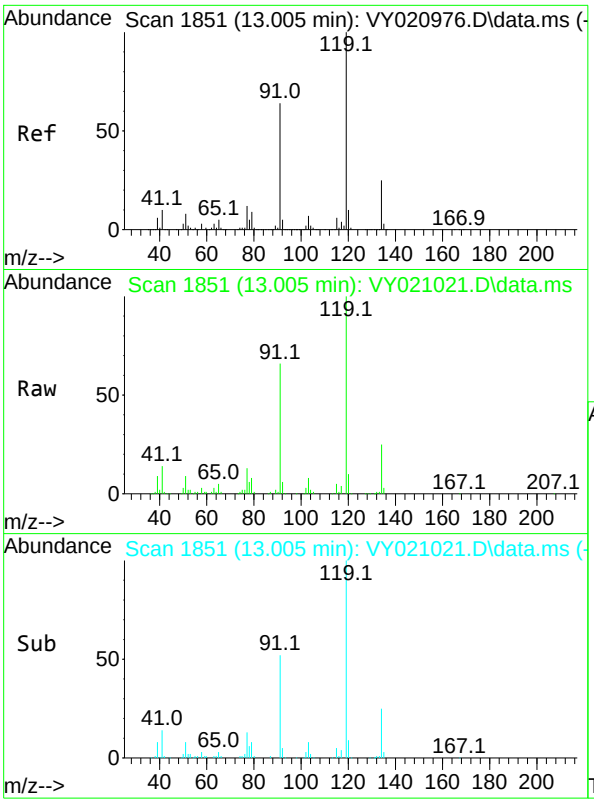




#82
4-Chlorotoluene
Concen: 11.217 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 91 Resp: 62279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.3 | 17.3 | 52.0 |



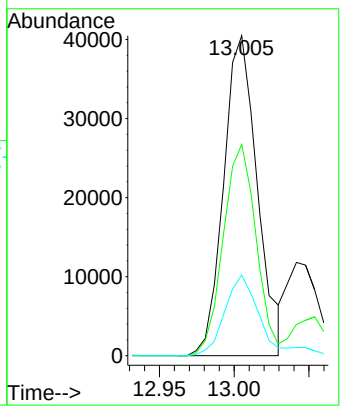


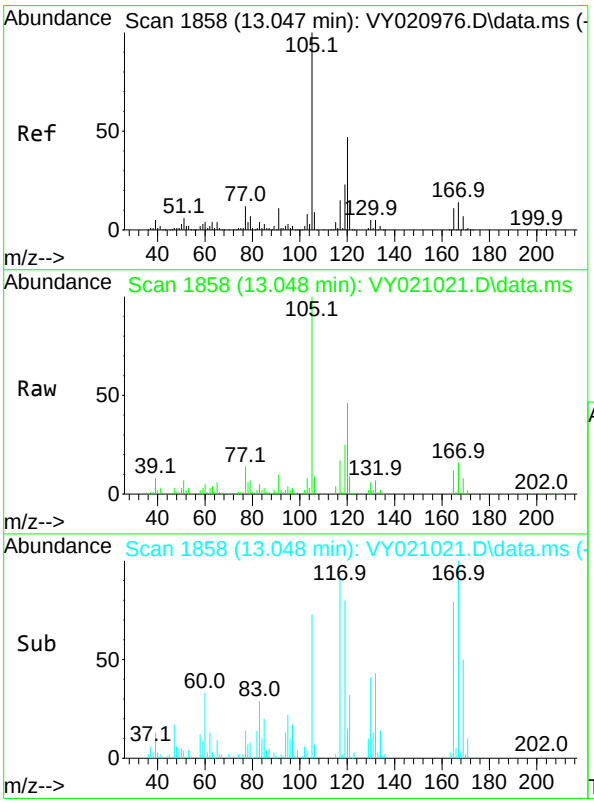

#83
tert-Butylbenzene
Concen: 10.287 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:119 Resp: 63506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.2 | 31.4 | 94.0 |
| 134 | 26.7 | 13.1 | 39.1 |

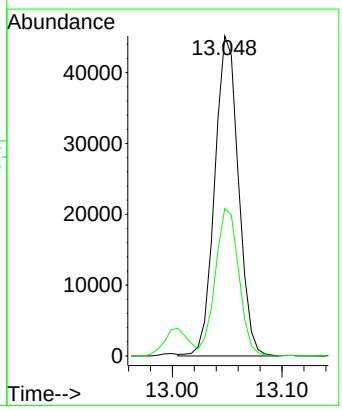


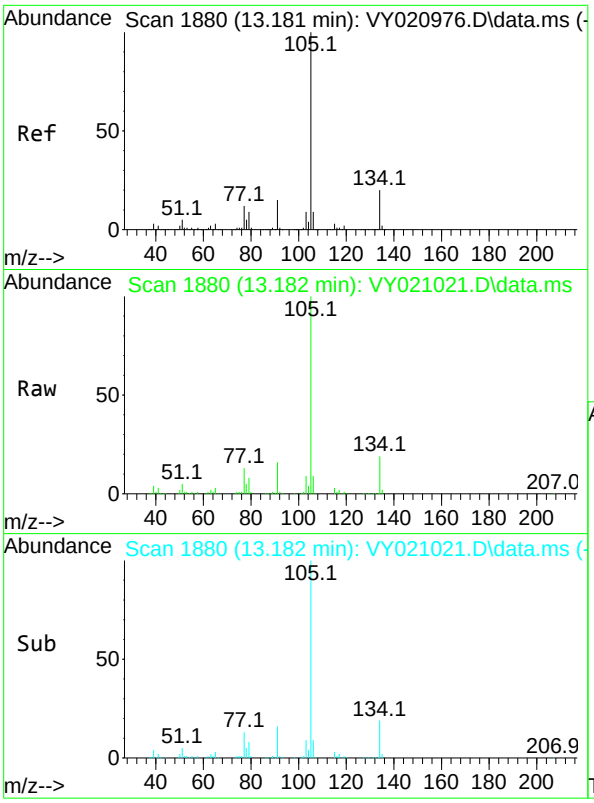




#84
1,2,4-Trimethylbenzene
Concen: 10.444 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:105 Resp: 67906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.6 | 22.7 | 68.0 |



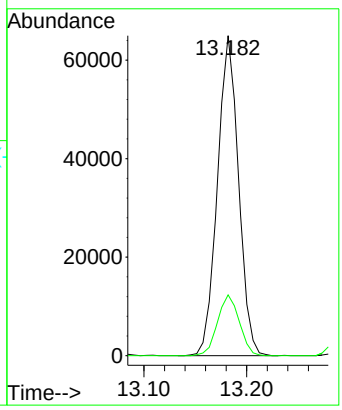


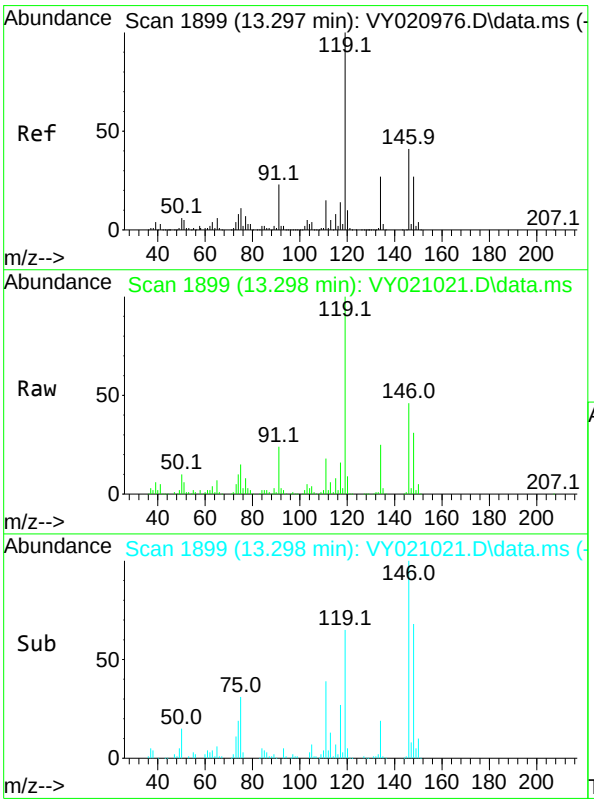

#85
sec-Butylbenzene
Concen: 10.596 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:105 Resp: 92610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 10.3 | 30.8 |

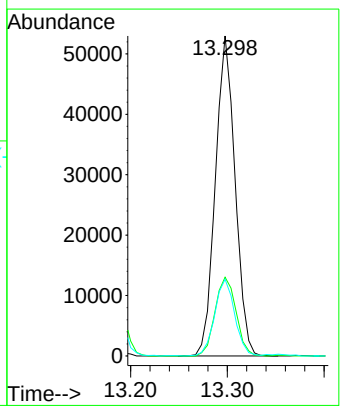


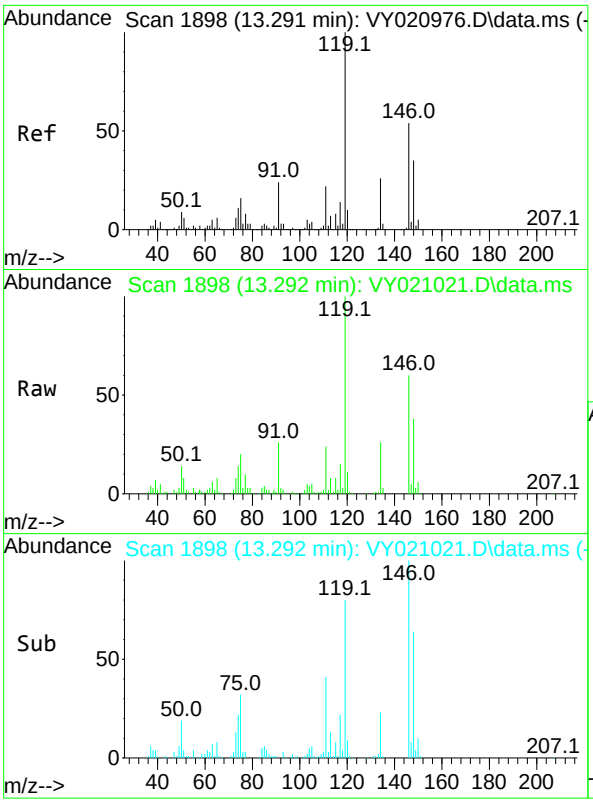




#86
p-Isopropyltoluene
Concen: 10.196 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:119 Resp: 74892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 13.1 | 39.3 |
| 91 | 24.4 | 11.5 | 34.5 |



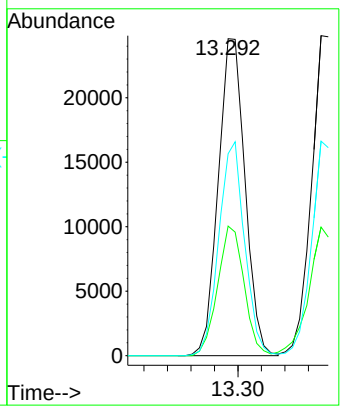


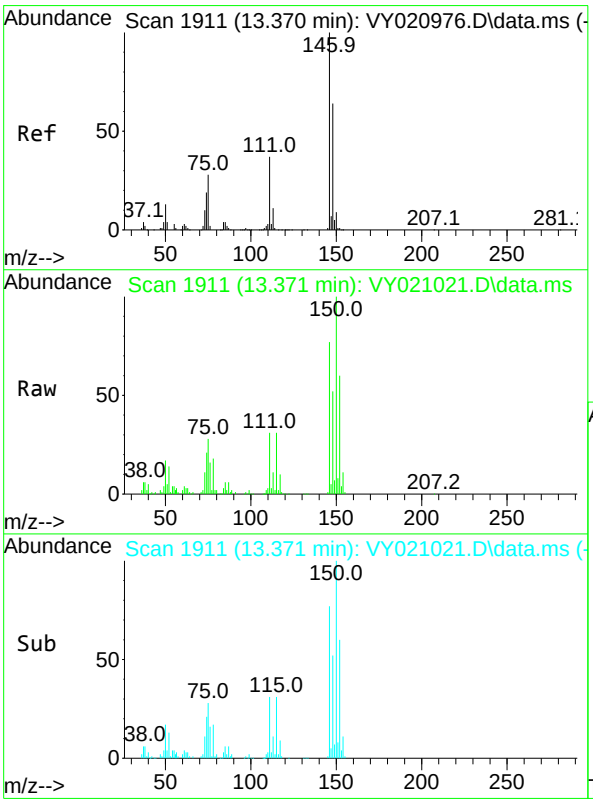

#87
1,3-Dichlorobenzene
Concen: 10.388 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:146 Resp: 39016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 19.7 | 59.1 |
| 148 | 64.9 | 32.1 | 96.3 |

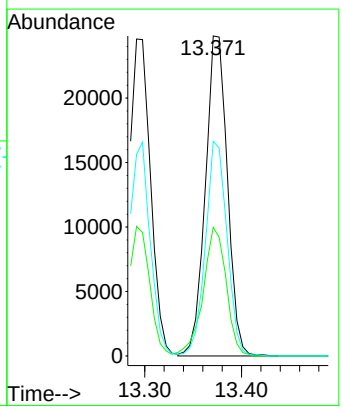


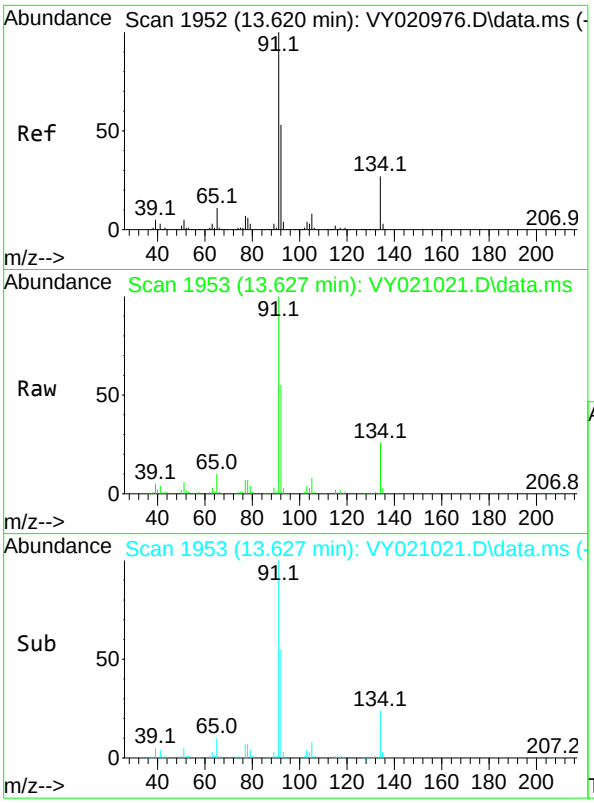




#88
1,4-Dichlorobenzene
Concen: 10.559 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:146 Resp: 39379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 19.0 | 57.0 |
| 148 | 65.8 | 31.6 | 95.0 |



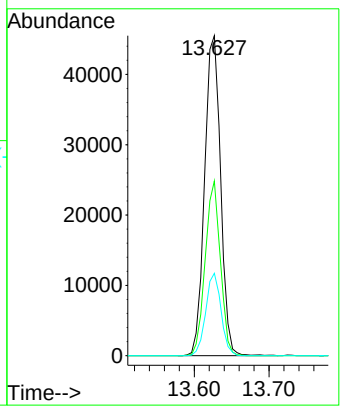


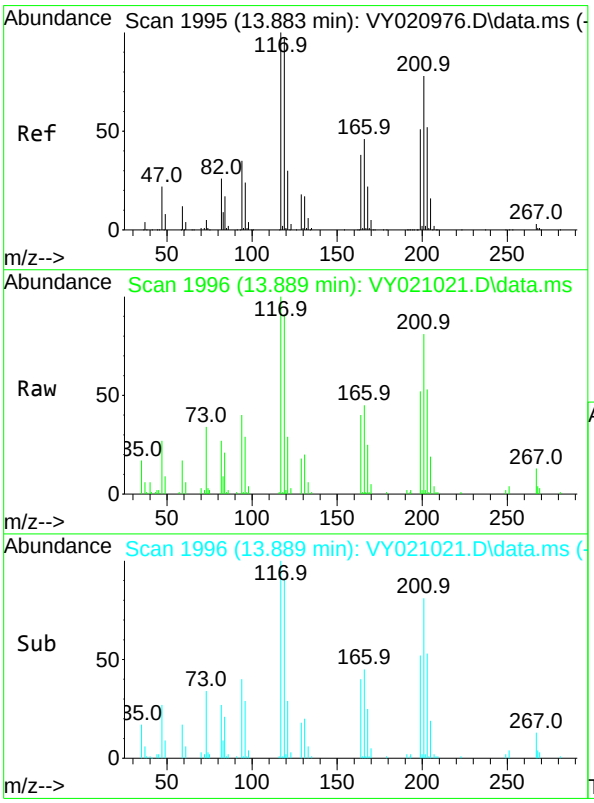

#89
n-Butylbenzene
Concen: 10.280 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 91 Resp: 67632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.7 | 26.7 | 80.1 |
| 134 | 24.6 | 13.7 | 41.1 |

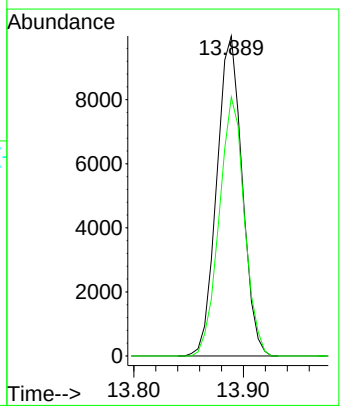


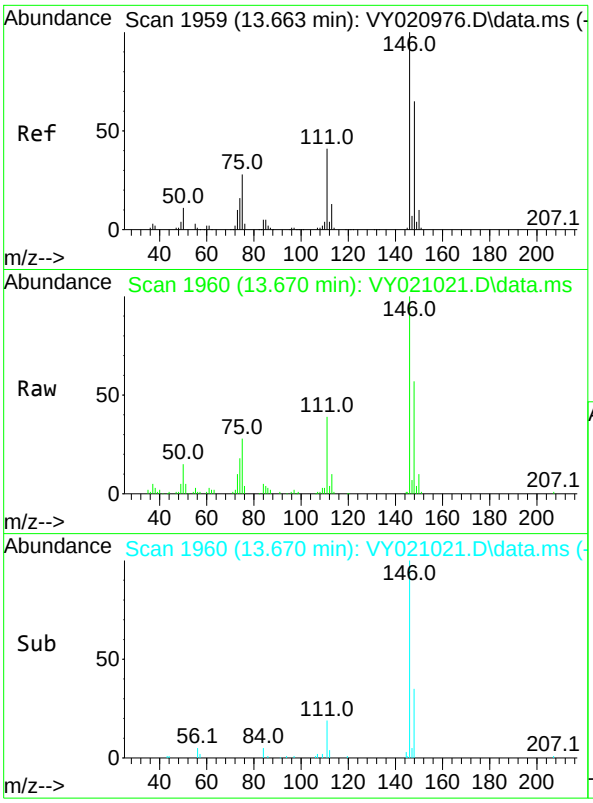




#90
Hexachloroethane
Concen: 10.788 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:117 Resp: 16030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 80.4 | 42.5 | 127.5 |



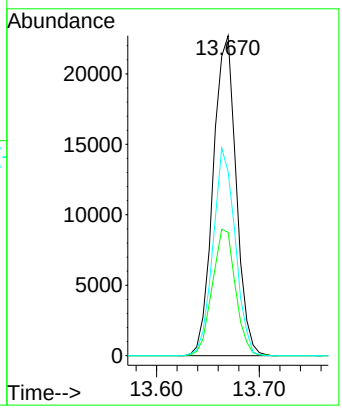


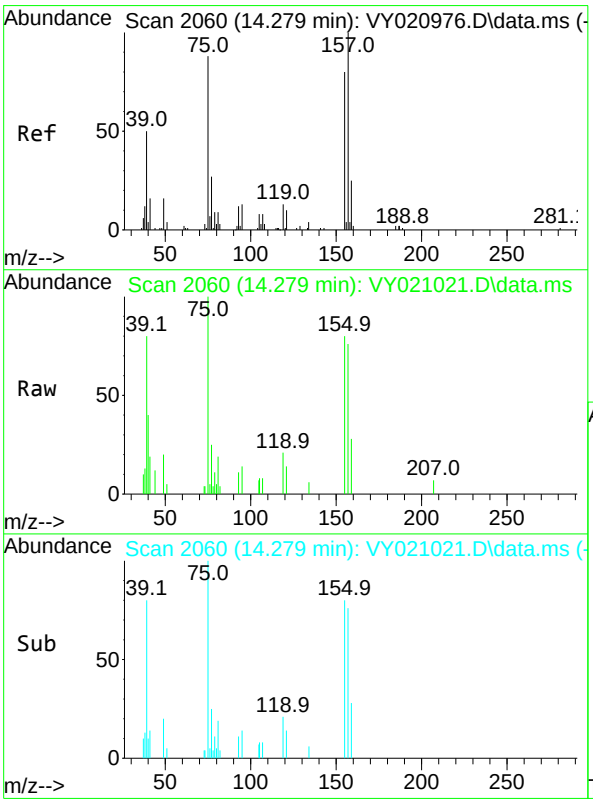

#91
1,2-Dichlorobenzene
Concen: 10.763 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:146 Resp: 35252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 20.3 | 60.8 |
| 148 | 62.4 | 32.2 | 96.6 |

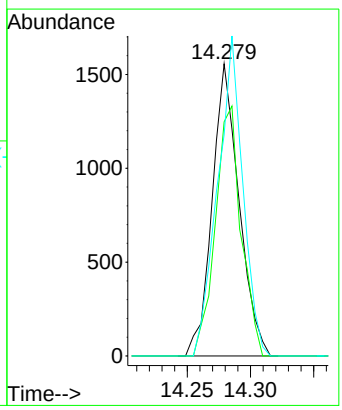


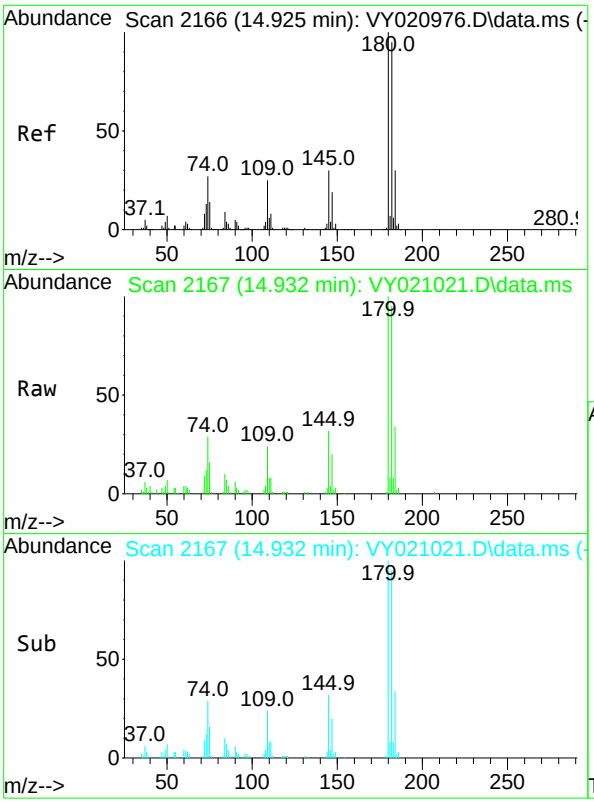




#92
1,2-Dibromo-3-Chloropropane
Concen: 11.372 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion: 75 Resp: 2296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.0 | 45.9 | 137.6 |
| 157 | 102.7 | 59.3 | 177.9 |



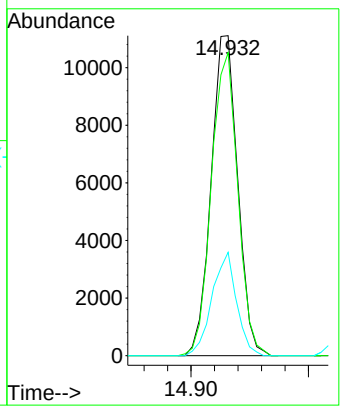


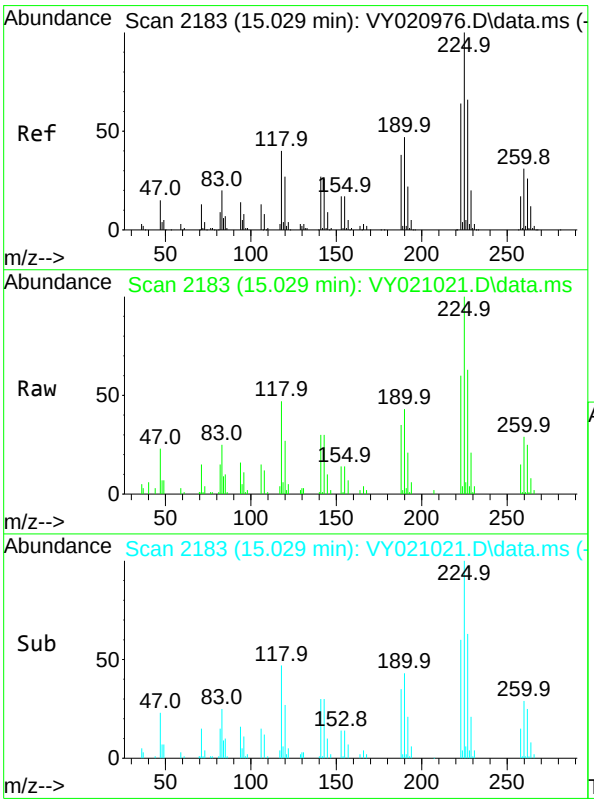

#93
1,2,4-Trichlorobenzene
Concen: 8.702 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:180 Resp: 17451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 48.3 | 144.8 |
| 145 | 29.9 | 15.3 | 45.8 |

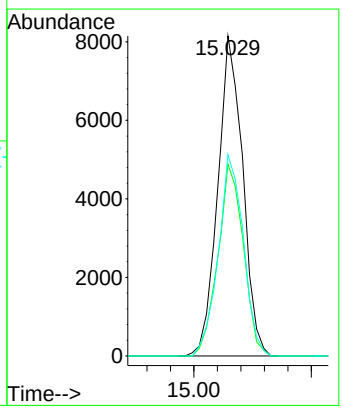


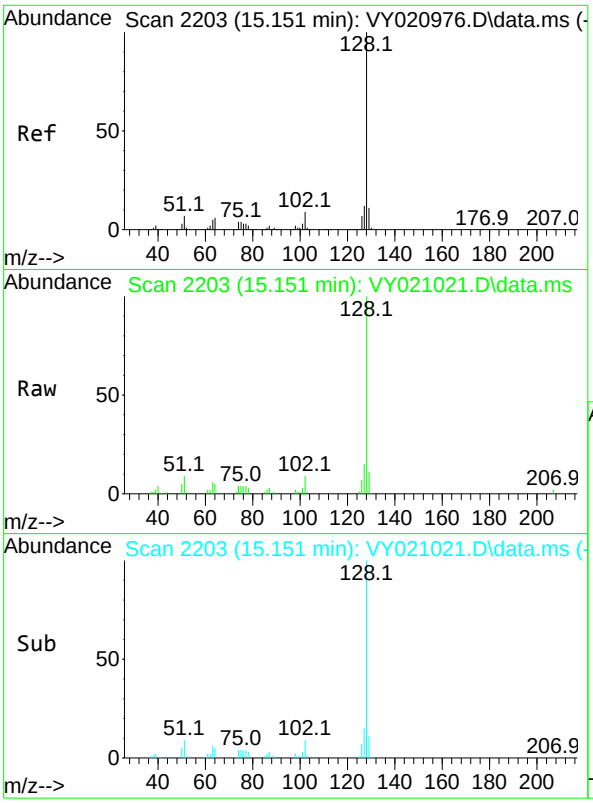




#94
Hexachlorobutadiene
Concen: 8.631 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:225 Resp: 11988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.1 | 31.4 | 94.2 |
| 227 | 63.5 | 31.8 | 95.3 |



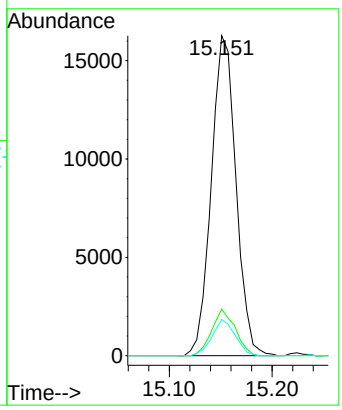


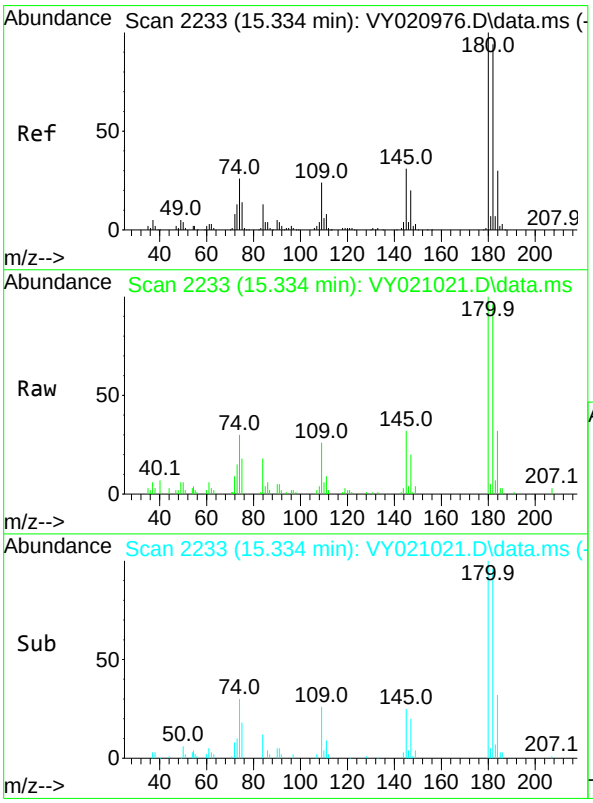

#95
Naphthalene
Concen: 8.409 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:128 Resp: 27103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.9 | 10.2 | 15.4 |
| 129 | 10.6 | 8.8 | 13.2 |

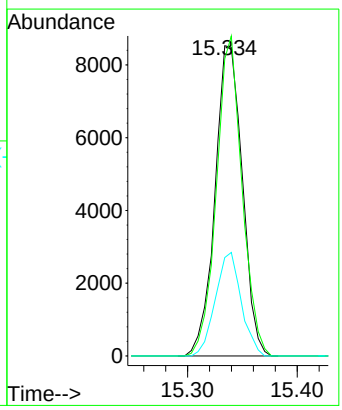



#96
1,2,3-Trichlorobenzene
Concen: 8.729 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021021.D
Acq: 03 Feb 2025 10:57

Tgt Ion:180 Resp: 14804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 47.7 | 143.1 |
| 145 | 31.4 | 15.6 | 46.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 183569 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 284501 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 244590 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 116948 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 35087 | 22.450 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 44.900%# | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 34279 | 20.042 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 40.080%# | | |
| 50) Toluene-d8 | 10.109 | 98 | 129662 | 19.423 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 38.840%# | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 42182 | 18.831 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = | 37.660% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 30336 | 19.435 | ug/l | 99 |
| 3) Chloromethane | 2.074 | 50 | 29923 | 30.154 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 29658 | 28.986 | ug/l | 99 |
| 5) Bromomethane | 2.598 | 94 | 18302 | 26.423 | ug/l | 90 |
| 6) Chloroethane | 2.739 | 64 | 17634 | 29.503 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 55451 | 22.457 | ug/l | 98 |
| 8) Diethyl Ether | 3.458 | 74 | 18232 | 24.733 | ug/l | 90 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 34675 | 20.855 | ug/l | 95 |
| 10) Methyl Iodide | 4.013 | 142 | 38697 | 20.338 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.878 | 59 | 12889 | 112.894 | ug/l # | 90 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 32389 | 20.845 | ug/l | 90 |
| 13) Acrolein | 3.659 | 56 | 20427 | 155.371 | ug/l | 100 |
| 14) Allyl chloride | 4.391 | 41 | 55315 | 25.859 | ug/l | 92 |
| 15) Acrylonitrile | 5.067 | 53 | 38612 | 127.343 | ug/l | 97 |
| 16) Acetone | 3.873 | 43 | 28518 | 133.874 | ug/l | 95 |
| 17) Carbon Disulfide | 4.116 | 76 | 101973 | 21.308 | ug/l | 99 |
| 18) Methyl Acetate | 4.391 | 43 | 19673 | 26.393 | ug/l | 92 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 85748 | 23.710 | ug/l | 98 |
| 20) Methylene Chloride | 4.629 | 84 | 34701 | 22.087 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 36879 | 22.137 | ug/l | 94 |
| 22) Diisopropyl ether | 6.025 | 45 | 120281 | 27.585 | ug/l | 94 |
| 23) Vinyl Acetate | 5.970 | 43 | 331355 | 137.224 | ug/l | 95 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 67799 | 24.102 | ug/l | 98 |
| 25) 2-Butanone | 6.902 | 43 | 46083 | 127.520 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 61862 | 22.336 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.896 | 96 | 42356 | 22.120 | ug/l | 93 |
| 28) Bromochloromethane | 7.250 | 49 | 27966 | 26.684 | ug/l | 83 |
| 29) Tetrahydrofuran | 7.268 | 42 | 32271 | 132.707 | ug/l | 90 |
| 30) Chloroform | 7.427 | 83 | 69562 | 22.832 | ug/l | 98 |
| 31) Cyclohexane | 7.707 | 56 | 59268 | 21.556 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 63645 | 21.585 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 50918 | 20.868 | ug/l | 96 |
| 37) Ethyl Acetate | 6.988 | 43 | 23724 | 26.080 | ug/l # | 96 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 59433 | 19.683 | ug/l | 96 |
| 39) Methylcyclohexane | 9.116 | 83 | 61029 | 18.619 | ug/l | 92 |
| 40) Benzene | 8.085 | 78 | 150967 | 21.027 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.262 | 41 | 31453 | 62.491 ug/l # | 43 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 41726 | 22.916 ug/l | 98 |
| 43) Isopropyl Acetate | 8.201 | 43 | 45505 | 25.040 ug/l | 97 |
| 44) Trichloroethene | 8.872 | 130 | 38841 | 19.606 ug/l | 100 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 36268 | 22.538 ug/l | 99 |
| 46) Dibromomethane | 9.237 | 93 | 20417 | 21.802 ug/l | 93 |
| 47) Bromodichloromethane | 9.426 | 83 | 53424 | 21.723 ug/l | 97 |
| 48) Methyl methacrylate | 9.225 | 41 | 19957 | 23.066 ug/l | 91 |
| 49) 1,4-Dioxane | 9.237 | 88 | 3939 | 395.839 ug/l # | 90 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 114844 | 122.983 ug/l | 94 |
| 52) Toluene | 10.176 | 92 | 95614 | 20.517 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 47690 | 21.429 ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 57105 | 21.469 ug/l # | 89 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 26314 | 21.129 ug/l | 98 |
| 56) Ethyl methacrylate | 10.445 | 69 | 34126 | 20.963 ug/l # | 86 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 45784 | 21.690 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 83057 | 120.208 ug/l | 95 |
| 59) 2-Hexanone | 10.768 | 43 | 72555 | 119.535 ug/l | 92 |
| 60) Dibromochloromethane | 10.914 | 129 | 36853 | 20.754 ug/l | 99 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 24505 | 20.600 ug/l | 97 |
| 64) Tetrachloroethene | 10.652 | 164 | 34418 | 18.655 ug/l | 97 |
| 65) Chlorobenzene | 11.444 | 112 | 103141 | 20.015 ug/l | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 36817 | 20.130 ug/l | 99 |
| 67) Ethyl Benzene | 11.524 | 91 | 182430 | 20.446 ug/l | 99 |
| 68) m/p-Xylenes | 11.633 | 106 | 138826 | 40.497 ug/l | 97 |
| 69) o-Xylene | 11.963 | 106 | 64616 | 20.276 ug/l | 98 |
| 70) Styrene | 11.975 | 104 | 108143 | 20.439 ug/l | 99 |
| 71) Bromoform | 12.139 | 173 | 21254 | 19.718 ug/l # | 100 |
| 73) Isopropylbenzene | 12.261 | 105 | 171836 | 20.921 ug/l | 100 |
| 74) N-amyl acetate | 12.078 | 43 | 37235 | 24.896 ug/l | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 29712 | 22.410 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 38943 | 42.065 ug/l # | 100 |
| 77) Bromobenzene | 12.536 | 156 | 40491 | 20.793 ug/l | 95 |
| 78) n-propylbenzene | 12.603 | 91 | 206279 | 21.429 ug/l | 98 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 118673 | 21.638 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 142319 | 21.150 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 9872 | 22.135 ug/l | 93 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 121872 | 21.712 ug/l | 100 |
| 83) tert-Butylbenzene | 13.005 | 119 | 128881 | 20.651 ug/l | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 139446 | 21.214 ug/l | 99 |
| 85) sec-Butylbenzene | 13.182 | 105 | 185044 | 20.943 ug/l | 99 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 154555 | 20.815 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 77631 | 20.446 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 76342 | 20.248 ug/l | 97 |
| 89) n-Butylbenzene | 13.627 | 91 | 138532 | 20.829 ug/l | 98 |
| 90) Hexachloroethane | 13.889 | 117 | 31796 | 21.166 ug/l | 93 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 67363 | 20.344 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 4160 | 20.380 ug/l | 88 |
| 93) 1,2,4-Trichlorobenzene | 14.932 | 180 | 34770 | 17.150 ug/l | 98 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 24481 | 17.435 ug/l | 97 |
| 95) Naphthalene | 15.151 | 128 | 55021 | 16.886 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 29301 | 17.090 ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

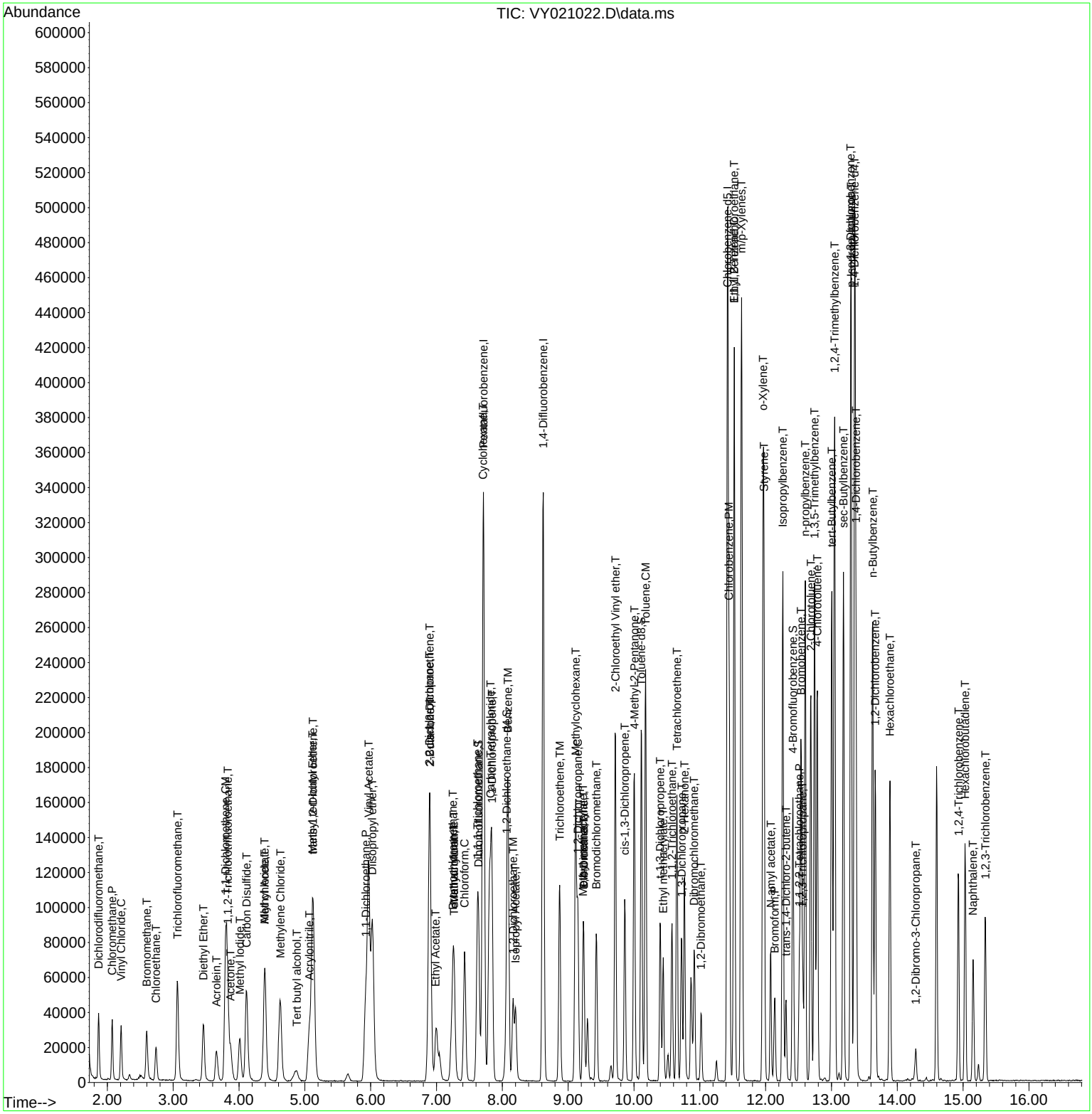
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

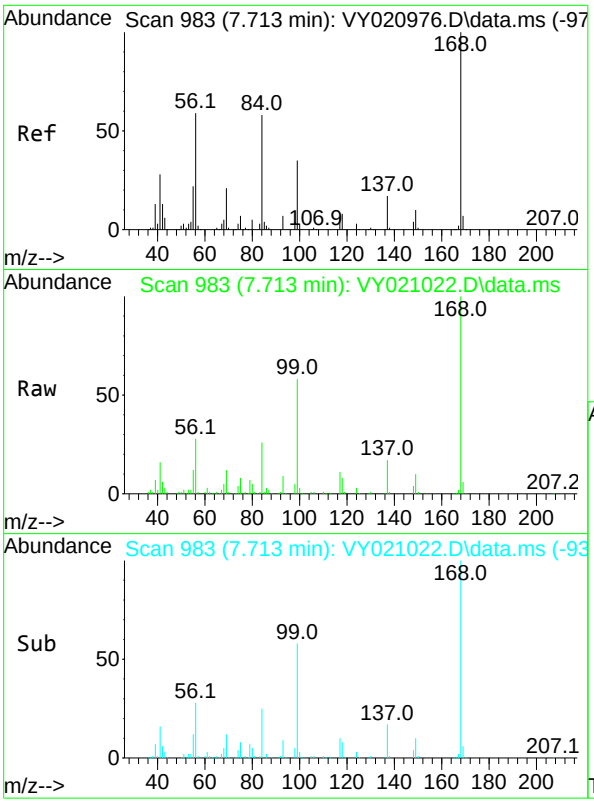
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021022.D
Acq On : 03 Feb 2025 11:20
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Quant Time: Feb 03 12:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration



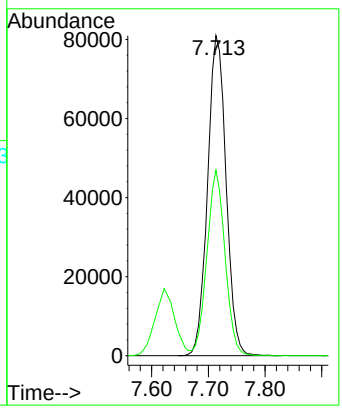


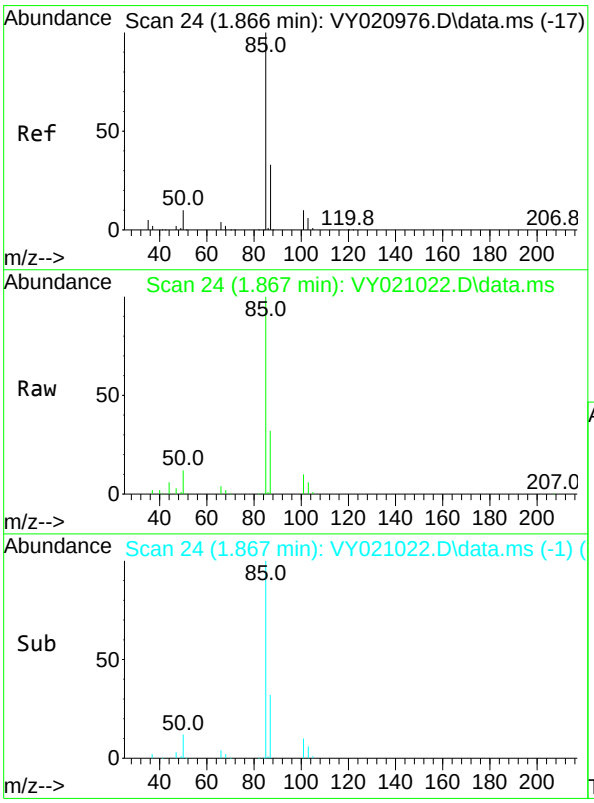

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:168 Resp: 183569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.9 | 42.2 | 63.2 |

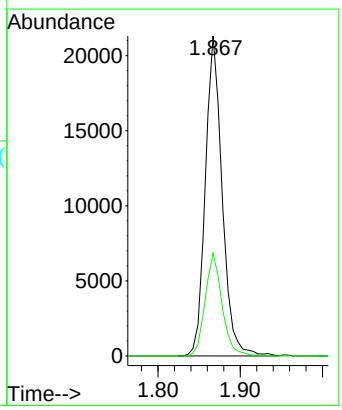


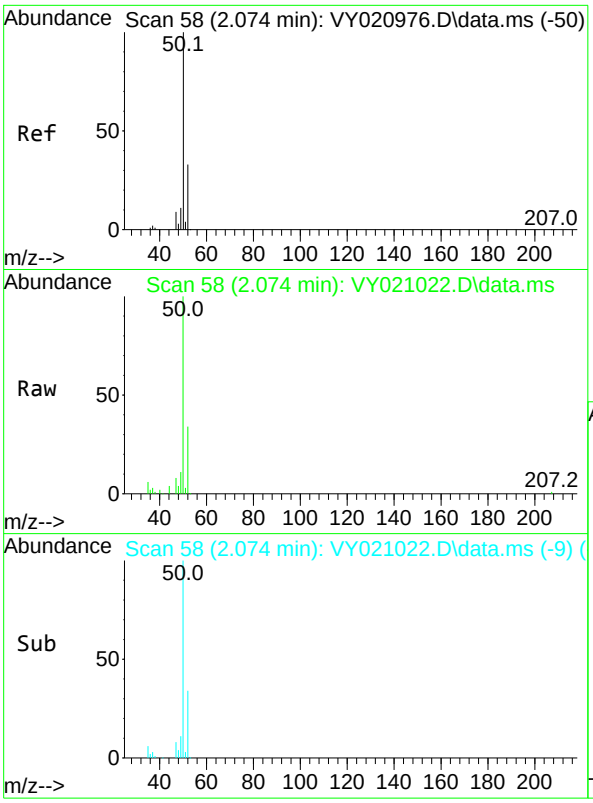




#2
Dichlorodifluoromethane
Concen: 19.435 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 85 Resp: 30336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 16.3 | 48.9 |



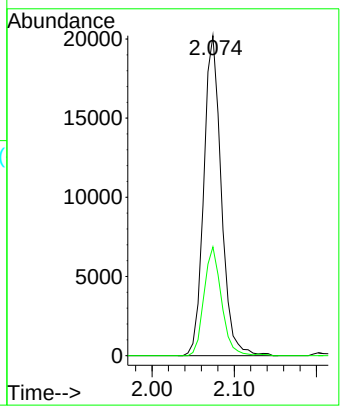


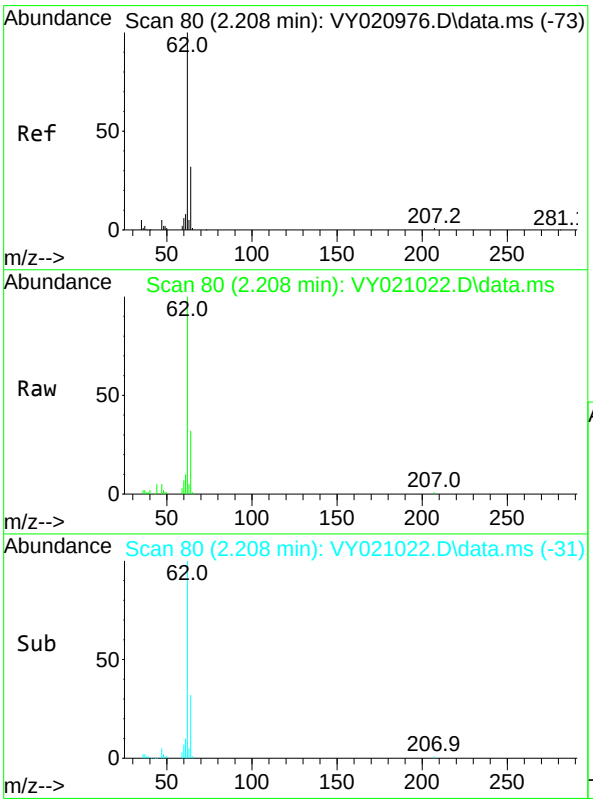

#3
Chloromethane
Concen: 30.154 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 50 Resp: 29923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.0 | 26.3 | 39.5 |

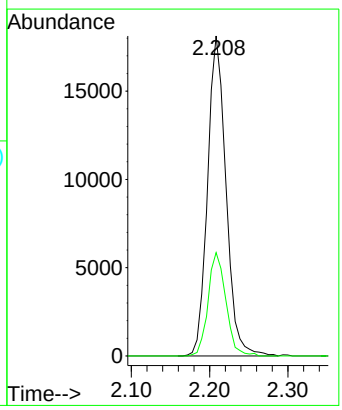


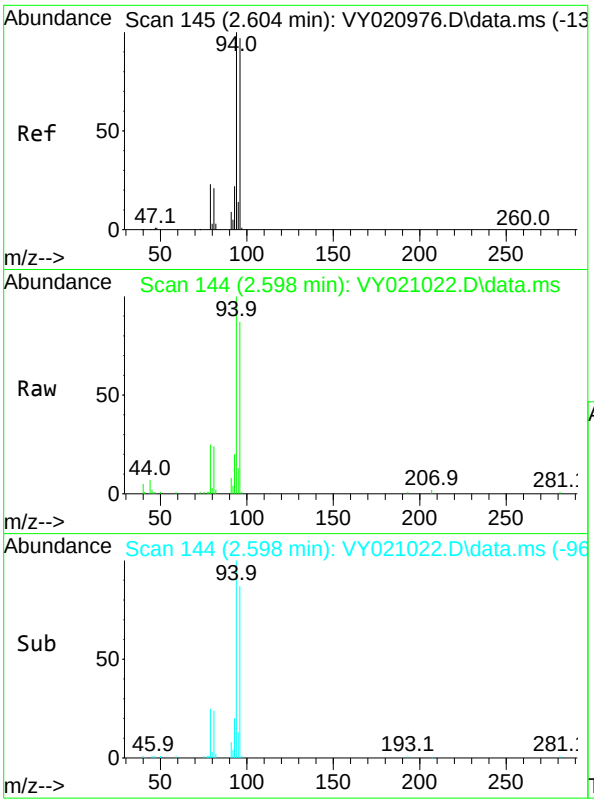




#4
Vinyl Chloride
Concen: 28.986 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 62 Resp: 29658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 25.4 | 38.2 |



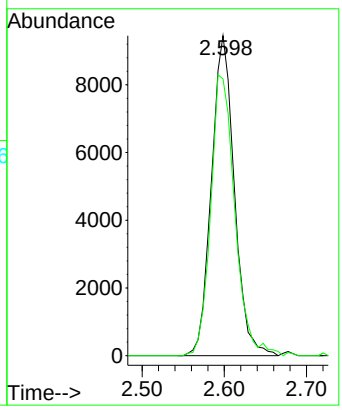


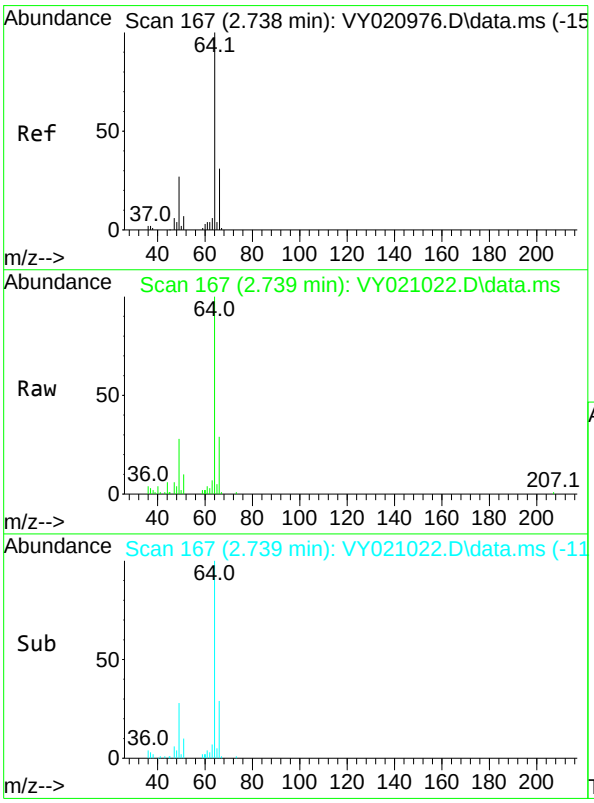

#5
Bromomethane
Concen: 26.423 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 94 Resp: 18302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 86.5 | 77.4 | 116.0 |

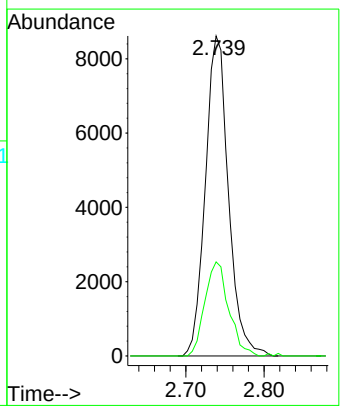


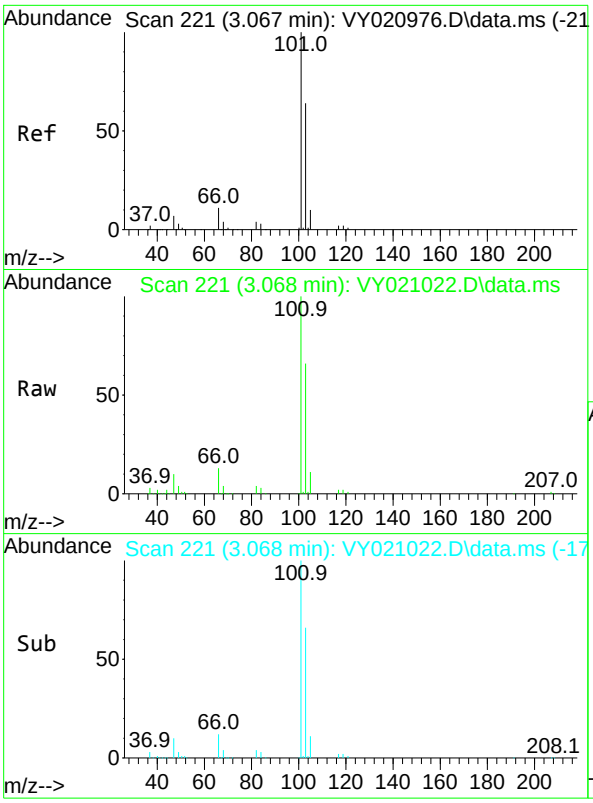




#6
Chloroethane
Concen: 29.503 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 64 Resp: 17634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 29.4 | 25.0 | 37.4 |



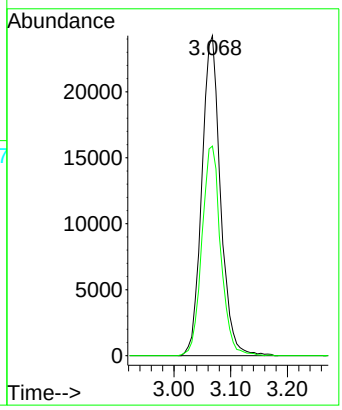


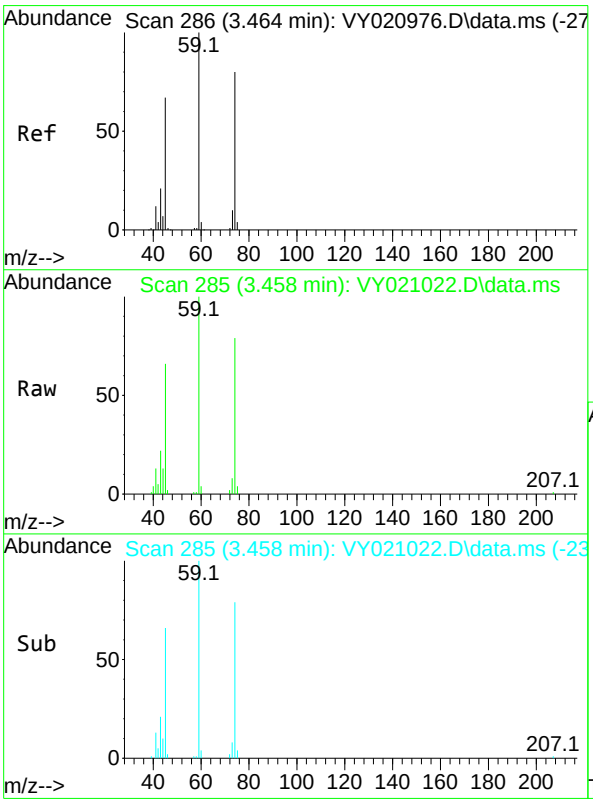

#7
Trichlorofluoromethane
Concen: 22.457 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 55451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 50.9 | 76.3 |

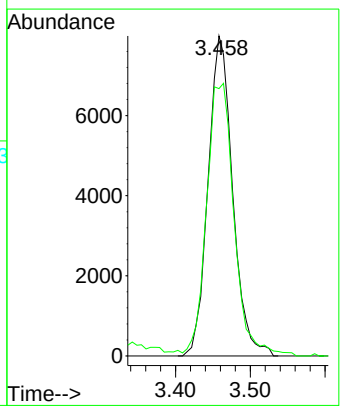


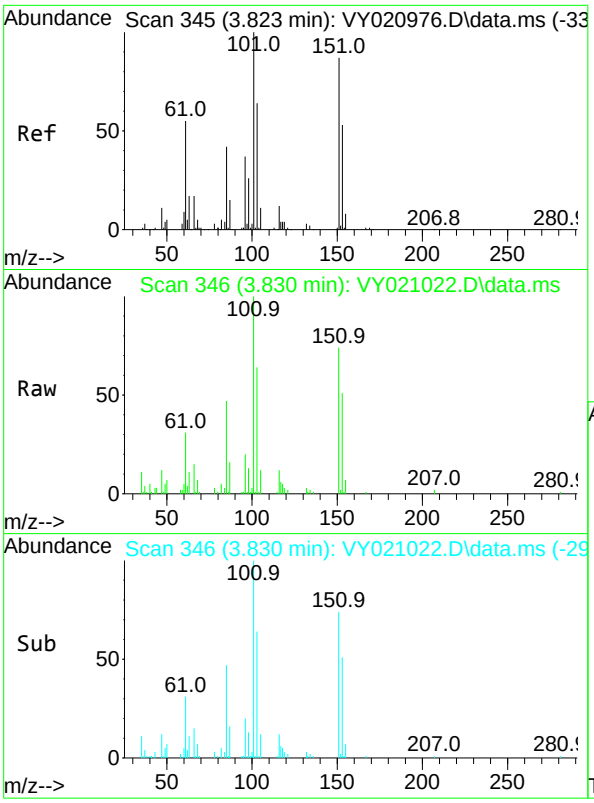




#8
Diethyl Ether
Concen: 24.733 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 74 Resp: 18232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.6 | 43.4 | 130.2 |



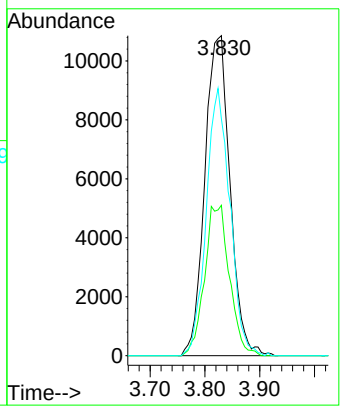


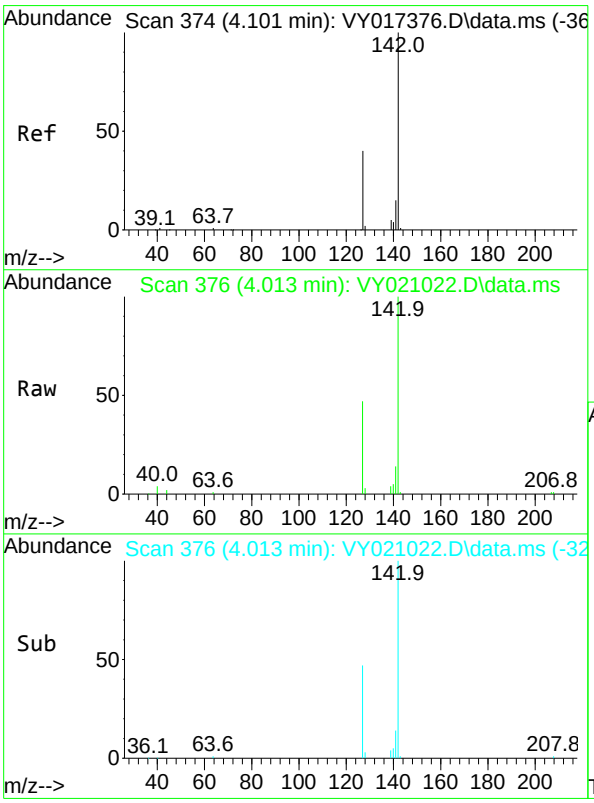

#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.855 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 34675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 34.9 | 52.3 |
| 151 | 78.7 | 66.8 | 100.2 |

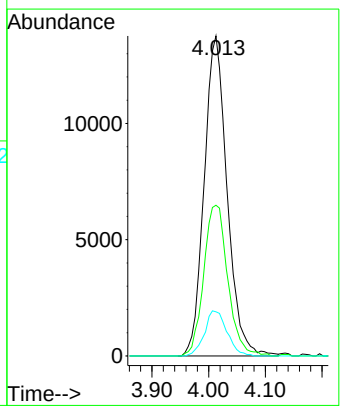


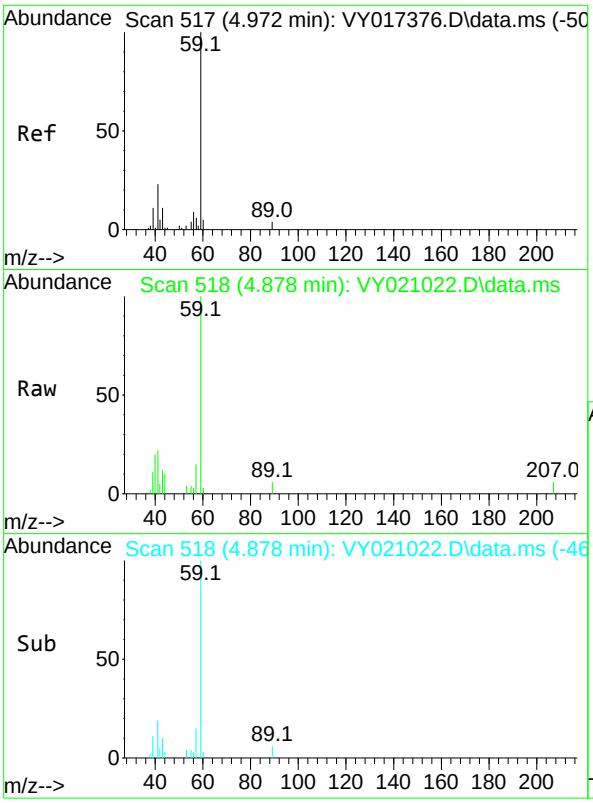




#10
Methyl Iodide
Concen: 20.338 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:142 Resp: 38697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.5 | 38.9 | 58.3 |
| 141 | 13.8 | 11.7 | 17.5 |



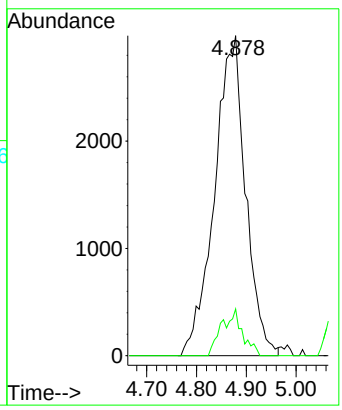


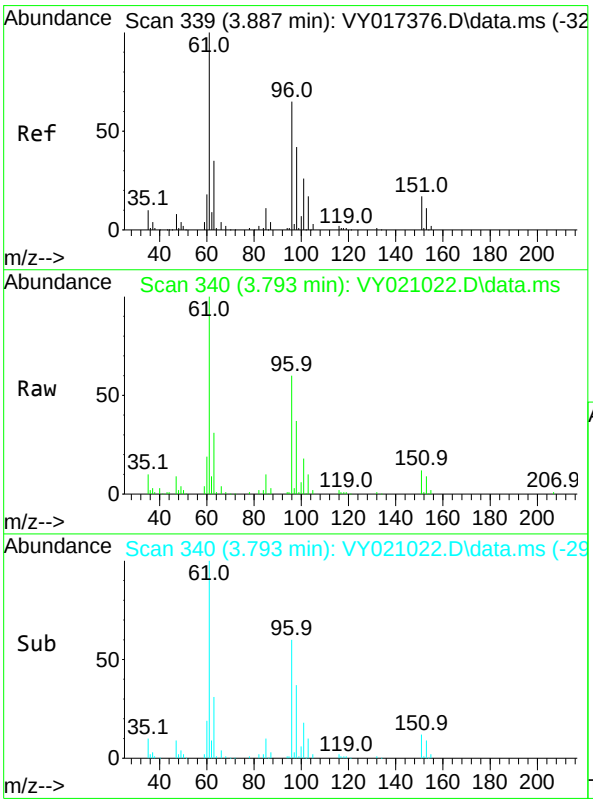

#11
Tert butyl alcohol
Concen: 112.894 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 59 Resp: 12889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 6.0 | 7.8 | 11.8# |

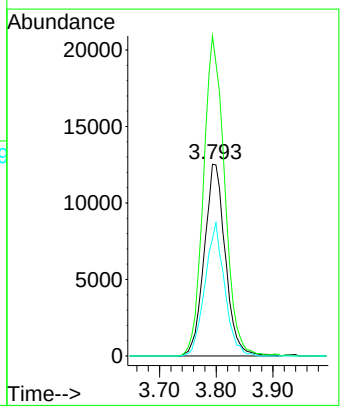


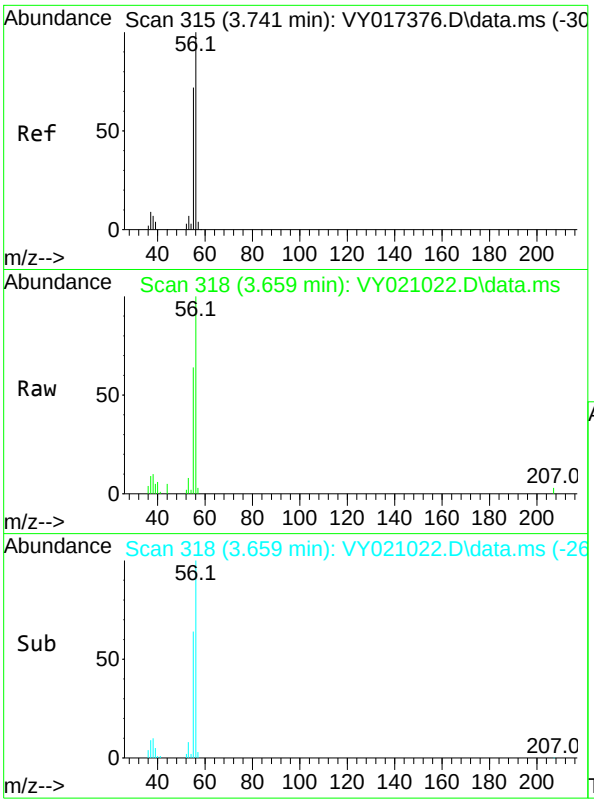




#12
1,1-Dichloroethene
Concen: 20.845 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 96 Resp: 32389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.9 | 120.8 | 181.2 |
| 98 | 61.3 | 50.6 | 76.0 |



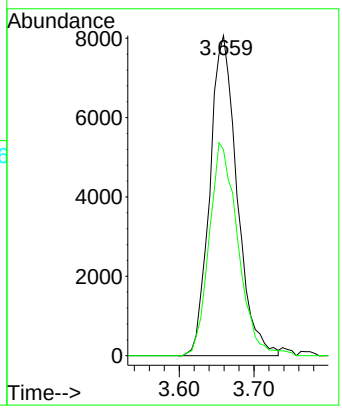


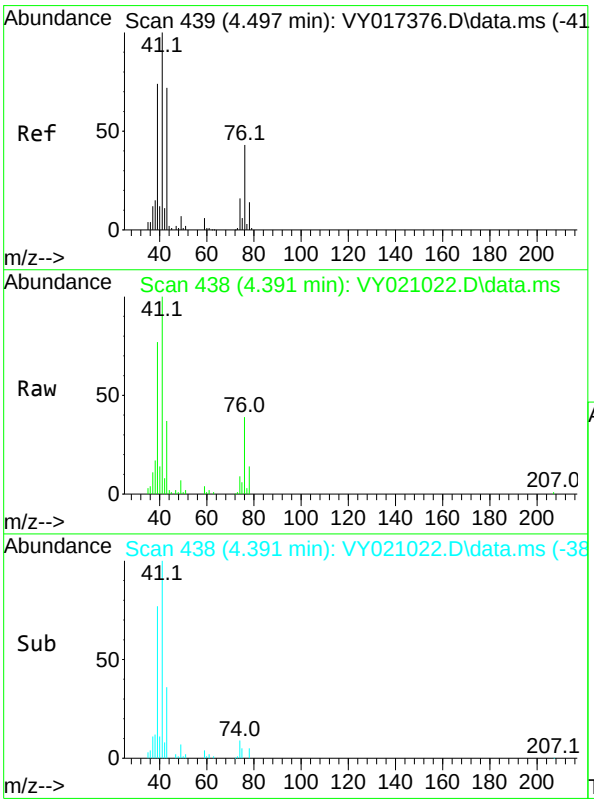

#13
Acrolein
Concen: 155.371 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 20427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.3 | 56.1 | 84.1 |

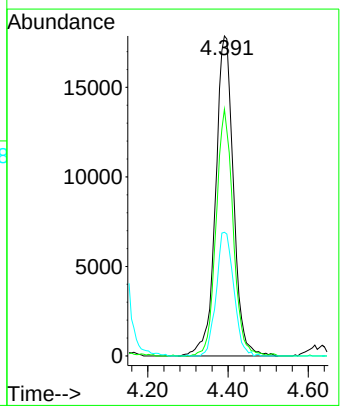


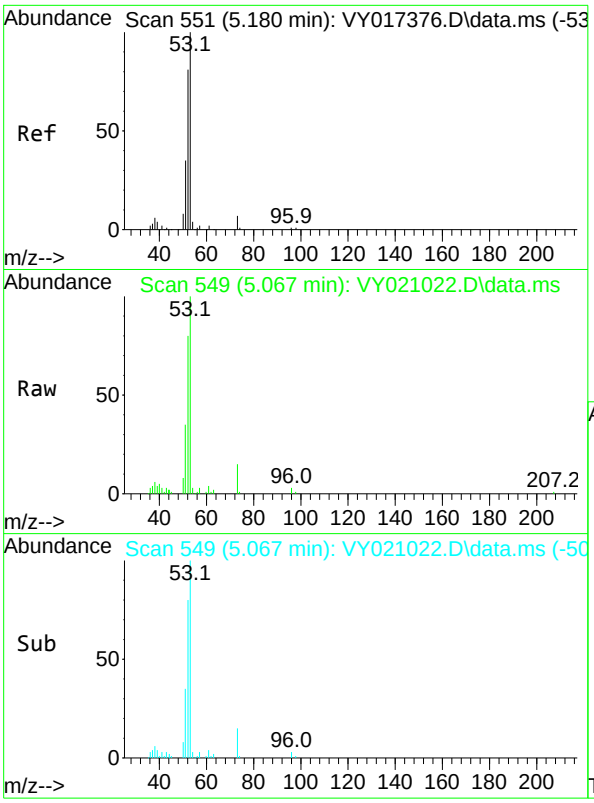




#14
Allyl chloride
Concen: 25.859 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 55315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.2 | 53.5 | 80.3 |
| 76 | 37.8 | 34.6 | 52.0 |



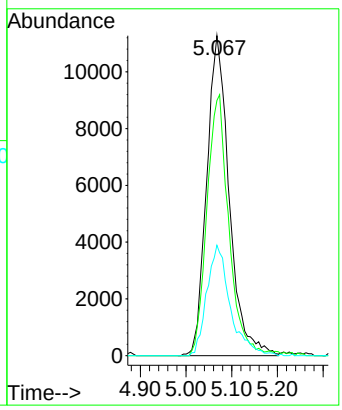


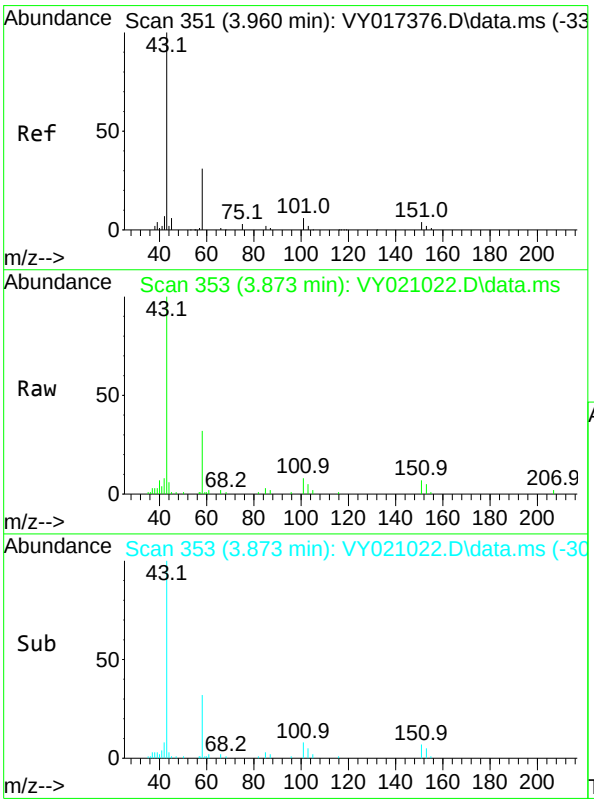

#15
Acrylonitrile
Concen: 127.343 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 53 Resp: 38612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 79.0 | 66.2 | 99.4 |
| 51 | 35.8 | 29.4 | 44.0 |

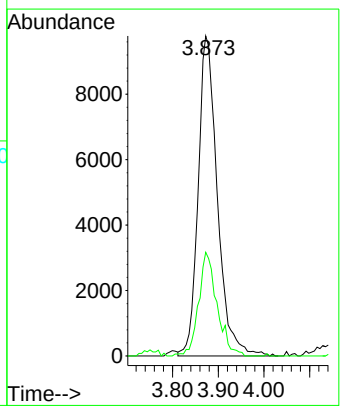


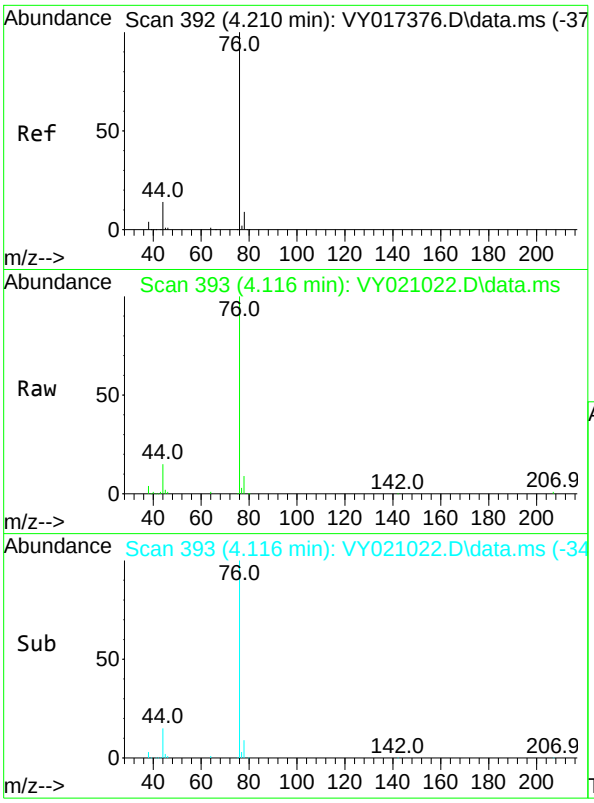




#16
Acetone
Concen: 133.874 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 28518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.4 | 28.4 | 42.6 |



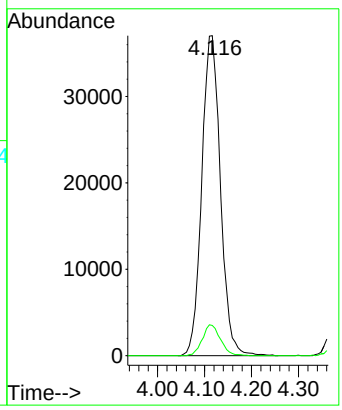


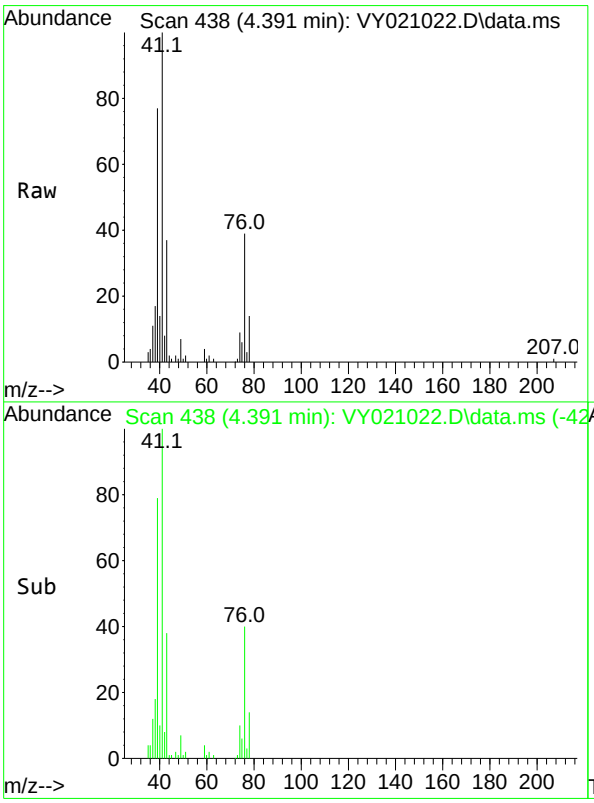

#17
Carbon Disulfide
Concen: 21.308 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 101973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.3 | 10.9 |

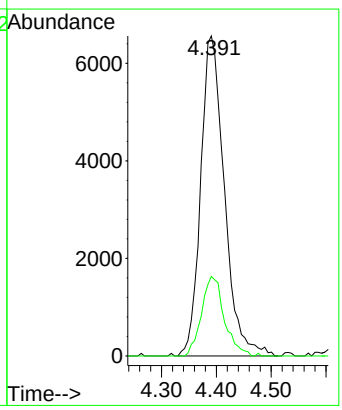


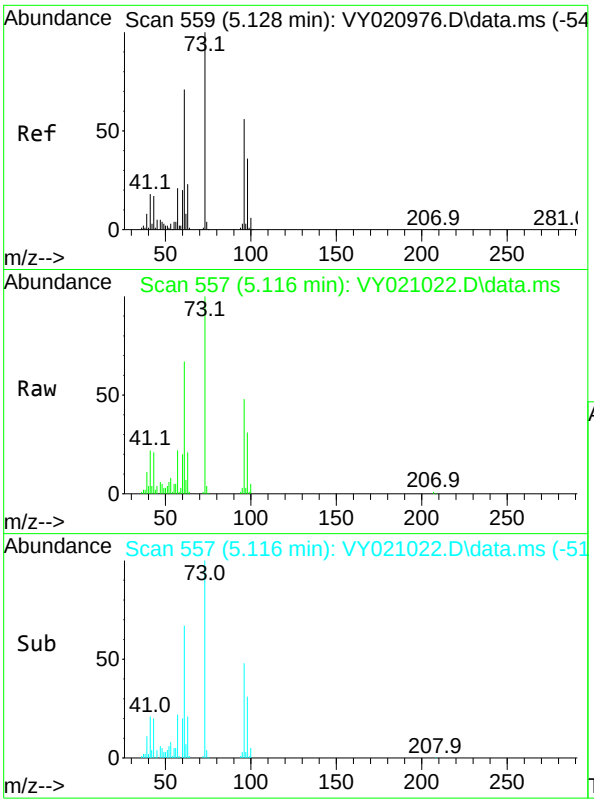




#18
Methyl Acetate
Concen: 26.393 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 19673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.8 | 22.2 | 33.4 |



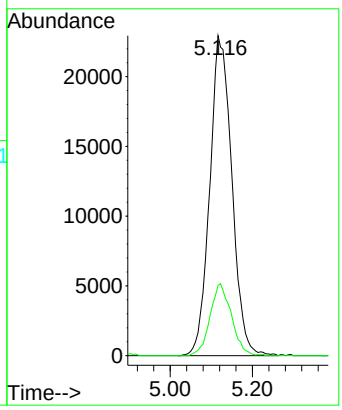


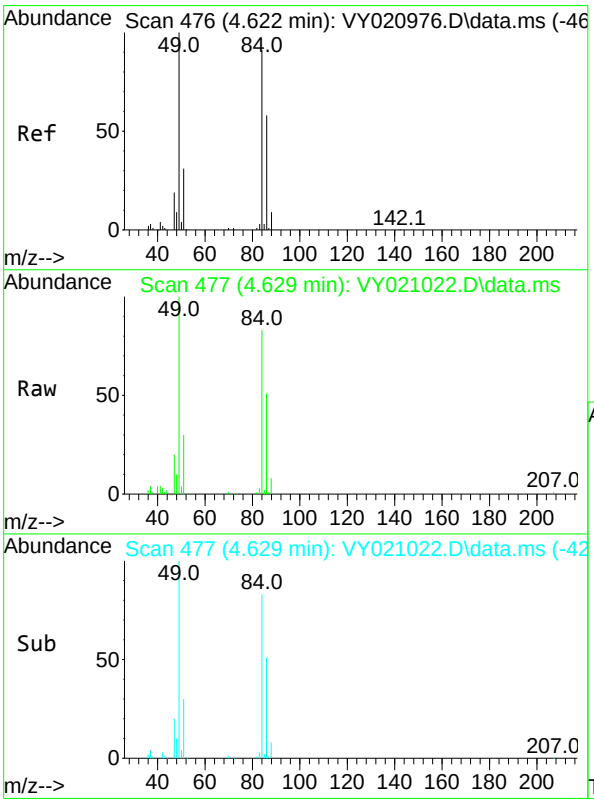

#19
Methyl tert-butyl Ether
Concen: 23.710 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 73 Resp: 85748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 16.6 | 25.0 |

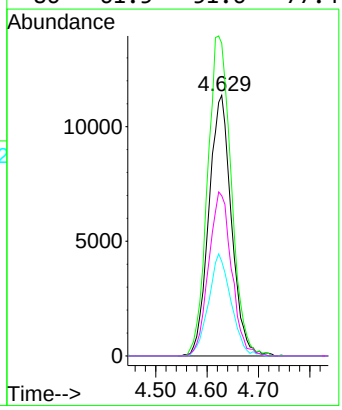


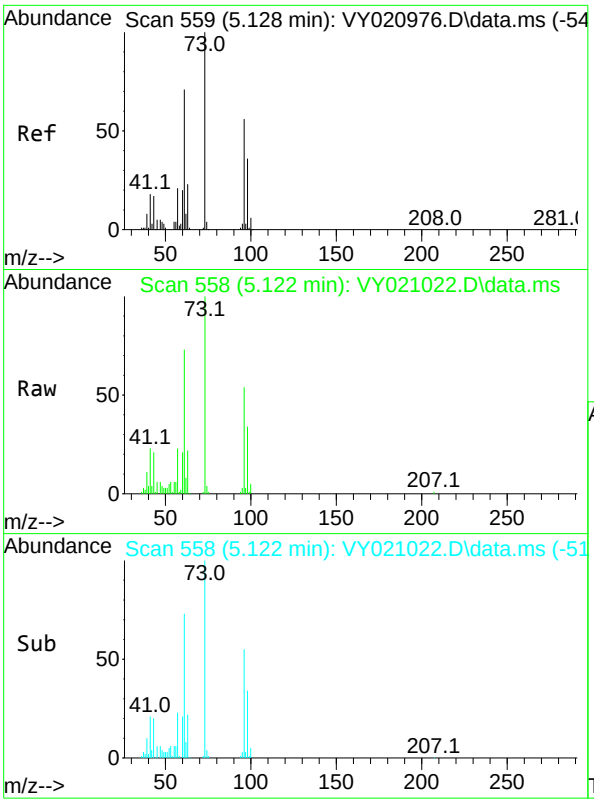




#20
Methylene Chloride
Concen: 22.087 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 84 Resp: 34701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.0 | 88.3 | 132.5 |
| 51 | 36.3 | 27.7 | 41.5 |
| 86 | 61.5 | 51.6 | 77.4 |



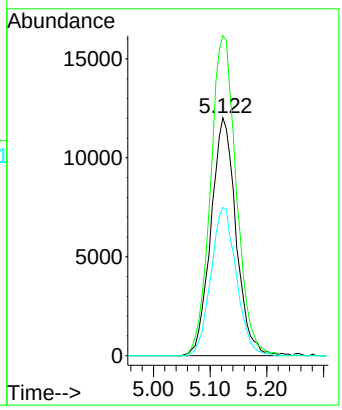


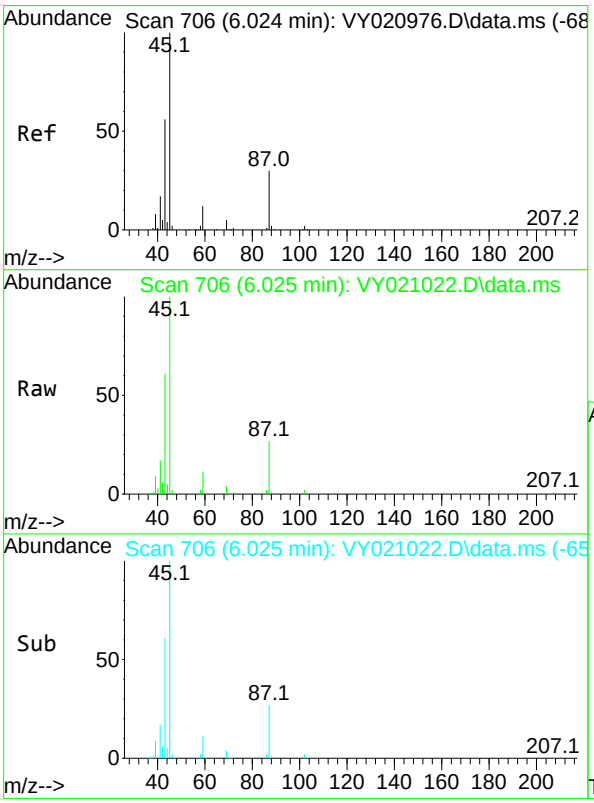

#21
trans-1,2-Dichloroethene
Concen: 22.137 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 36879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.5 | 101.5 | 152.3 |
| 98 | 62.3 | 52.0 | 78.0 |

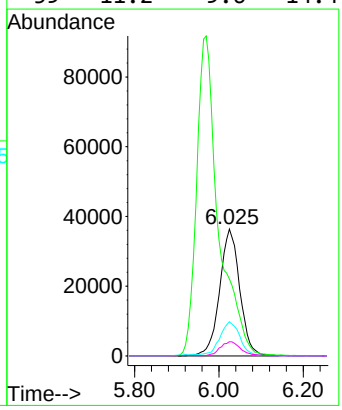


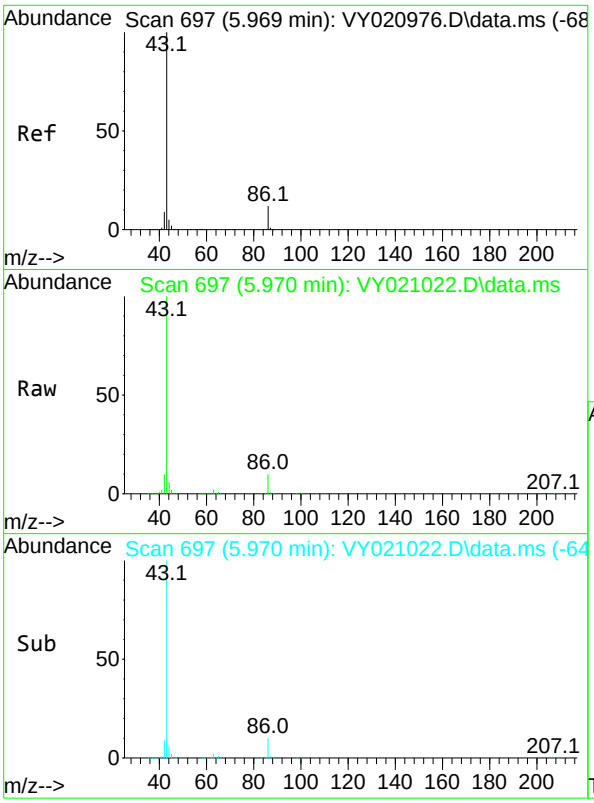




#22
Diisopropyl ether
Concen: 27.585 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 45 Resp: 120281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 60.3 | 45.1 | 67.7 |
| 87 | 27.0 | 25.0 | 37.4 |
| 59 | 11.2 | 9.6 | 14.4 |



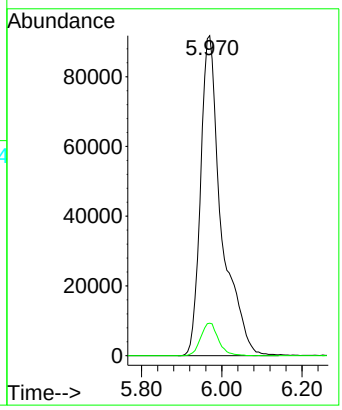


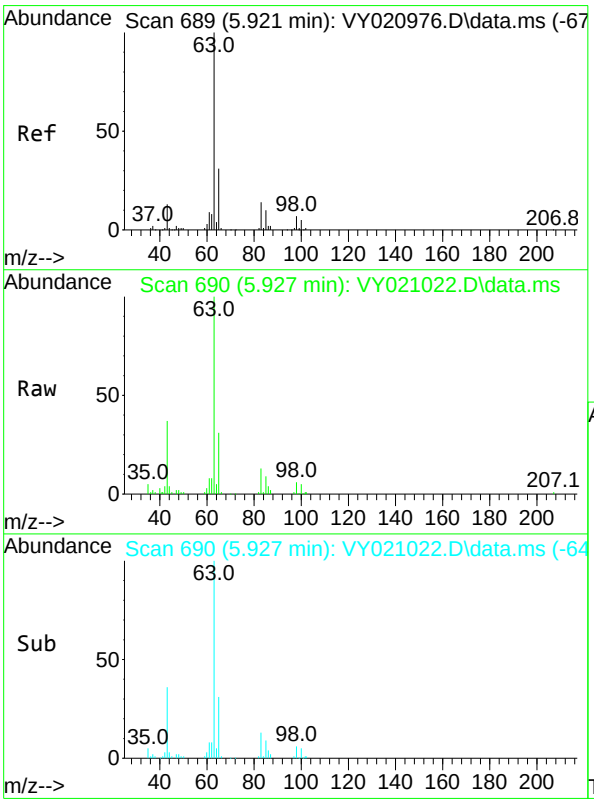

#23
Vinyl Acetate
Concen: 137.224 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 331355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 9.7 | 14.5 |

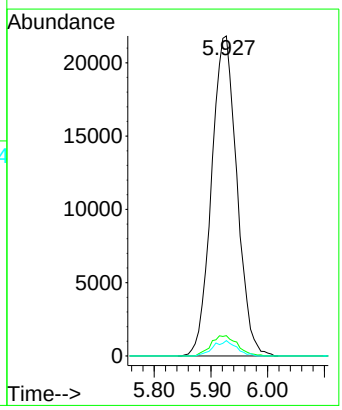


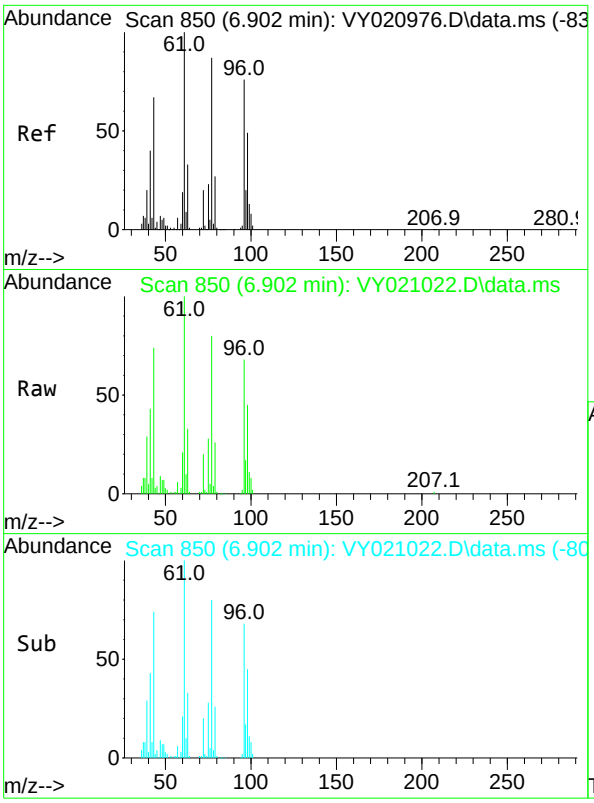




#24
1,1-Dichloroethane
Concen: 24.102 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 67799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.3 | 3.7 | 11.1 |
| 100 | 4.8 | 2.4 | 7.2 |



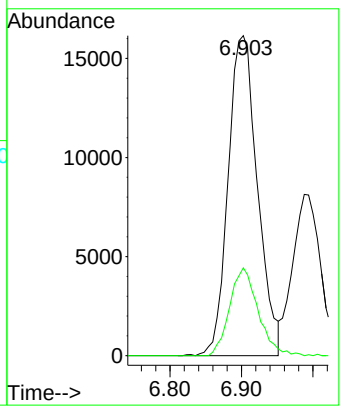


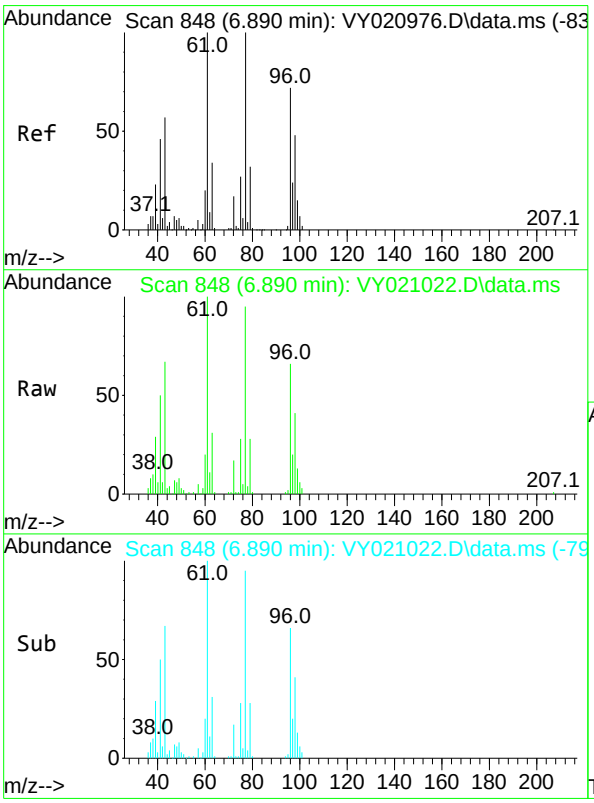

#25
2-Butanone
Concen: 127.520 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 46083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.5 | 24.3 | 36.5 |

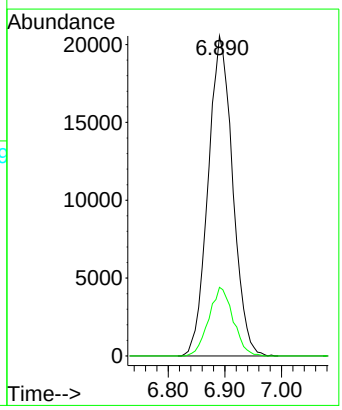


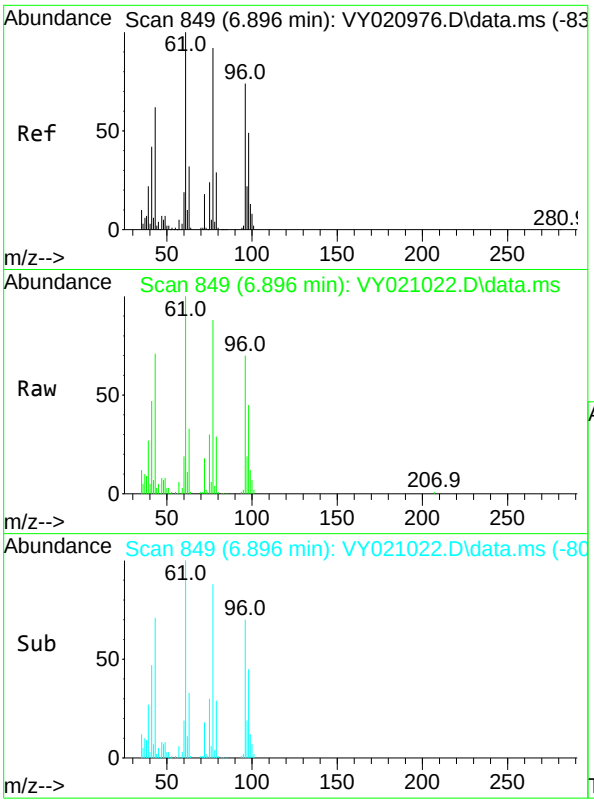




#26
2,2-Dichloropropane
Concen: 22.336 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 77 Resp: 61862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.3 | 11.4 | 34.2 |



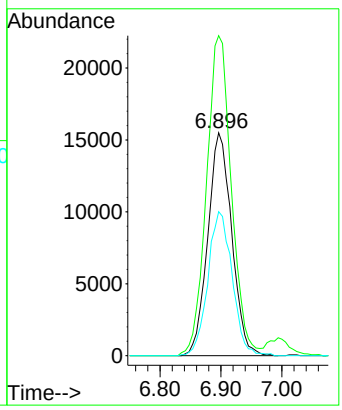


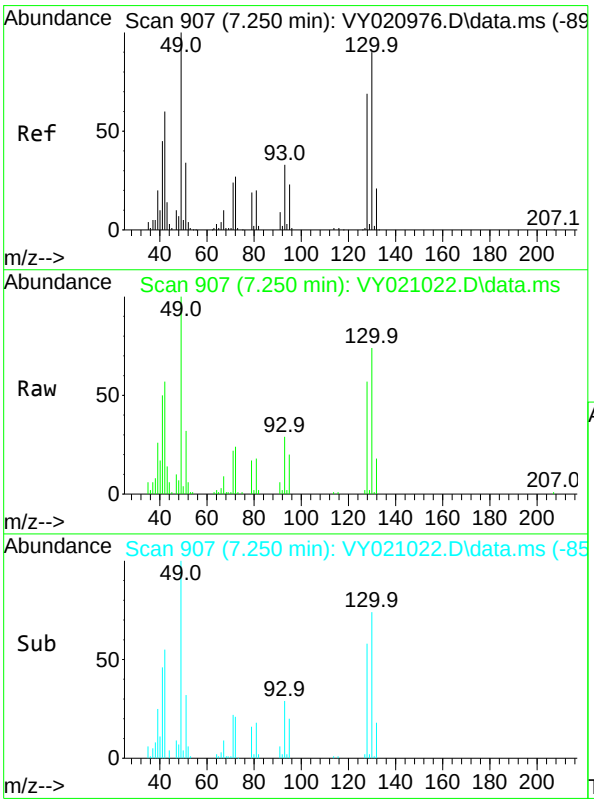

#27
cis-1,2-Dichloroethene
Concen: 22.120 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 42356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.6 | 0.0 | 274.0 |
| 98 | 65.6 | 0.0 | 130.4 |

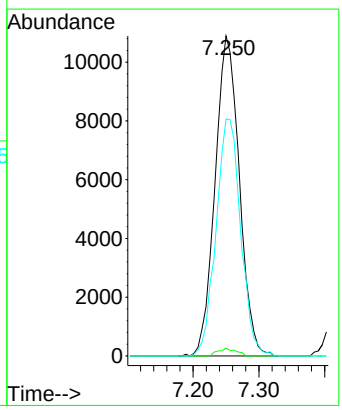


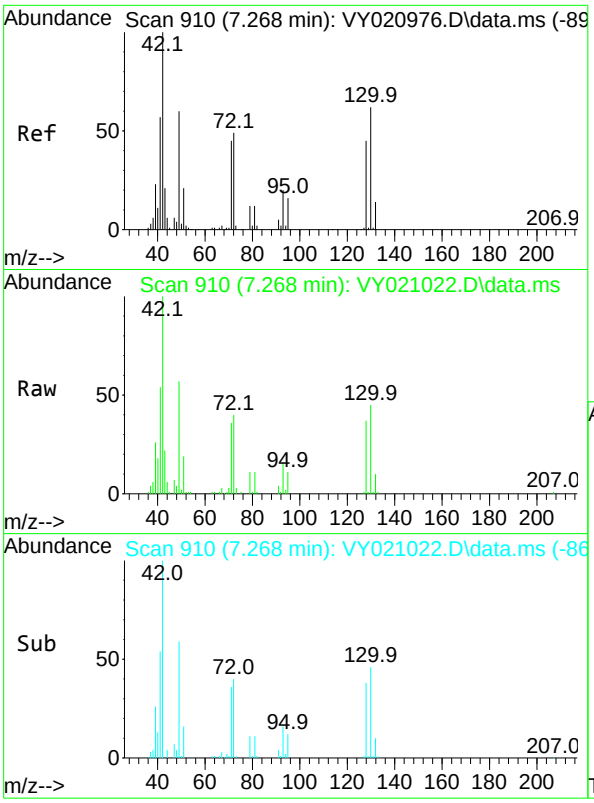




#28
Bromochloromethane
Concen: 26.684 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 49 Resp: 27966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 5.0 |
| 130 | 75.3 | 73.2 | 109.8 |



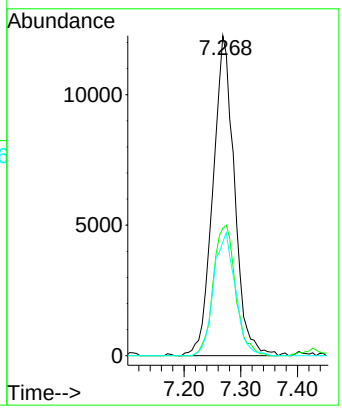


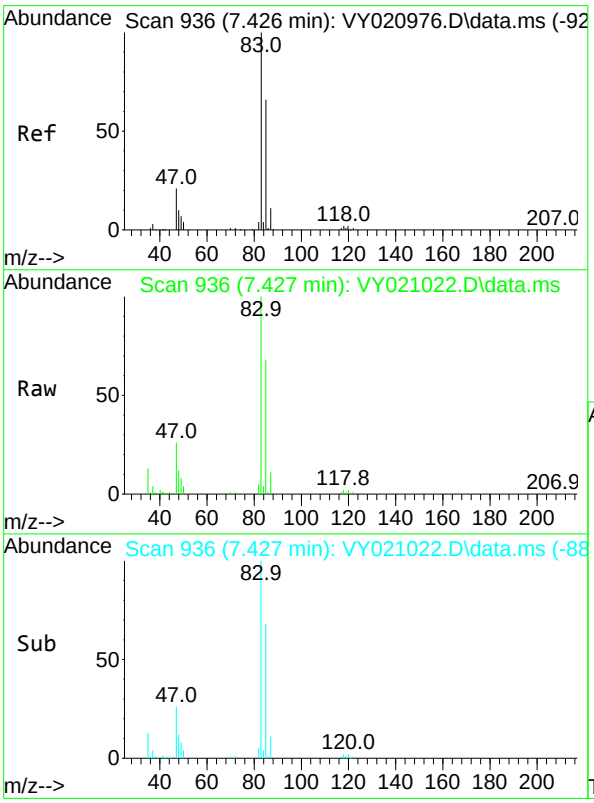

#29
Tetrahydrofuran
Concen: 132.707 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 42 Resp: 32271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.2 | 39.3 | 58.9 |
| 71 | 39.0 | 36.1 | 54.1 |

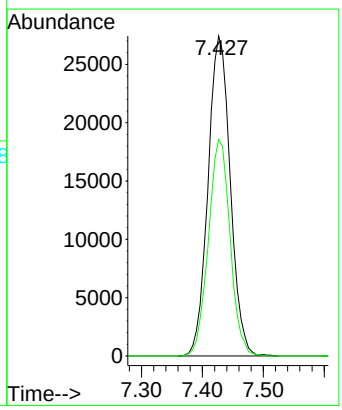


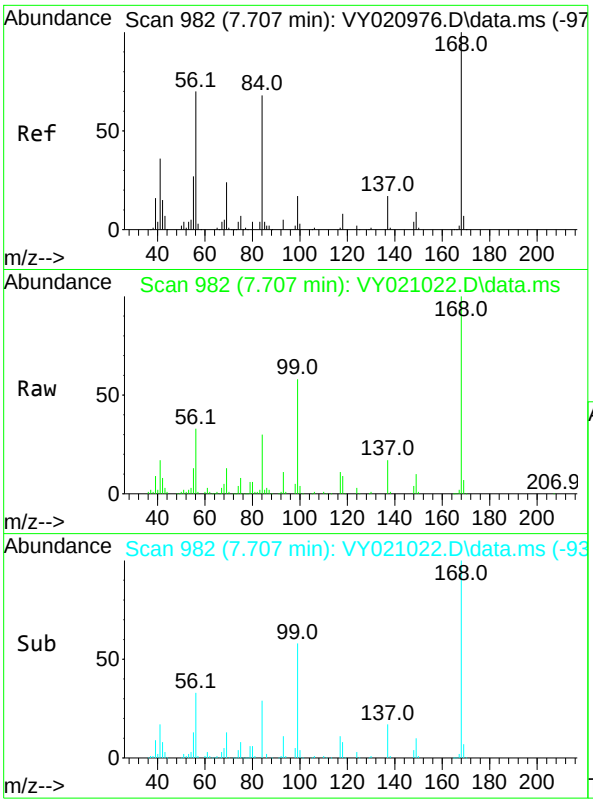




#30
Chloroform
Concen: 22.832 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 83 Resp: 69562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.7 | 52.9 | 79.3 |



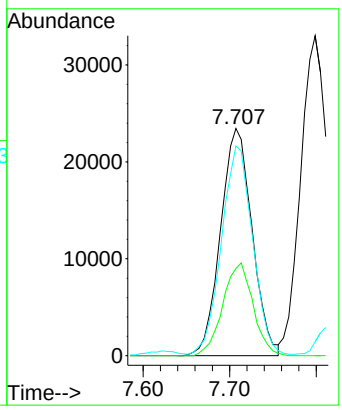


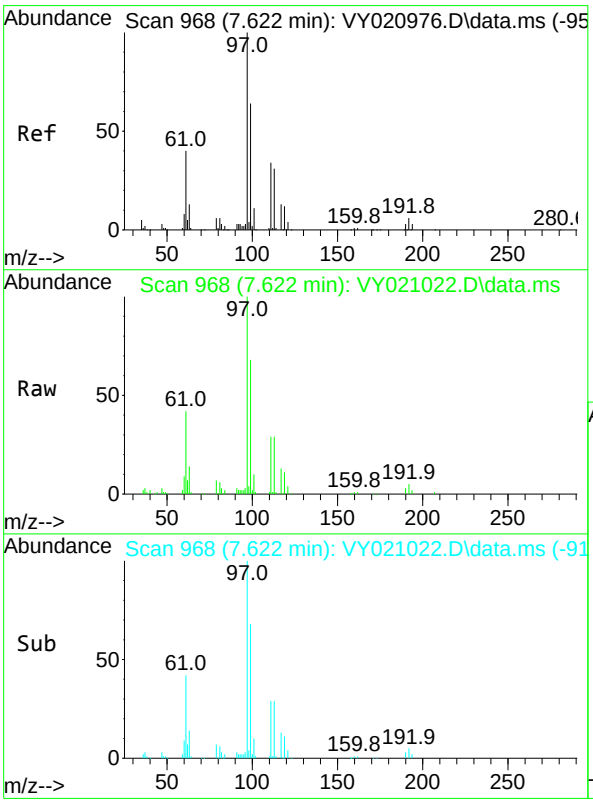

#31
Cyclohexane
Concen: 21.556 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 59268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 38.4 | 27.7 | 41.5 |
| 84 | 91.2 | 77.5 | 116.3 |

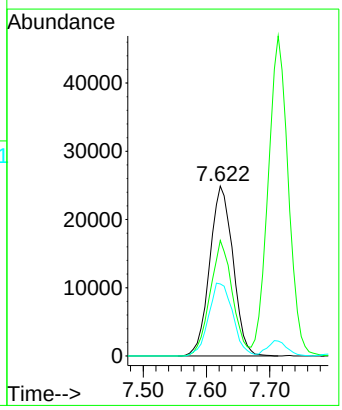


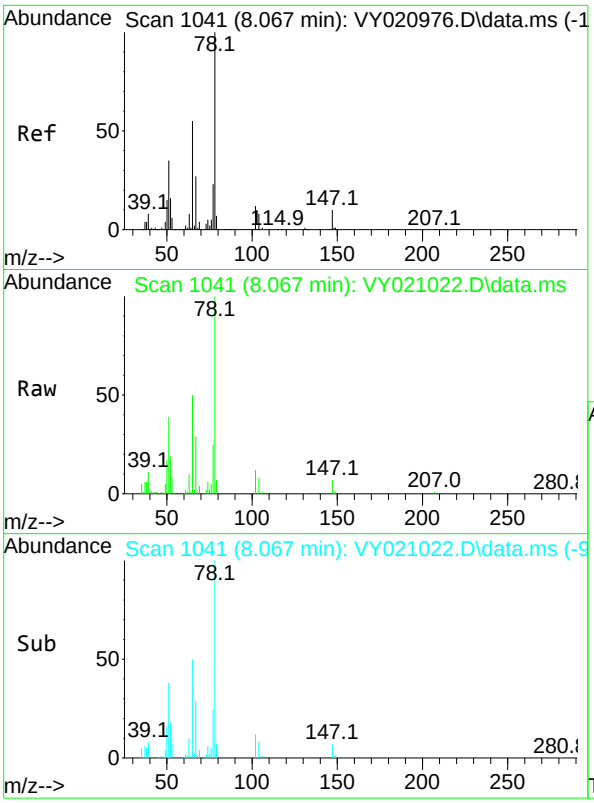




#32
1,1,1-Trichloroethane
Concen: 21.585 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 97 Resp: 63645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.5 | 51.4 | 77.0 |
| 61 | 44.5 | 31.4 | 47.0 |



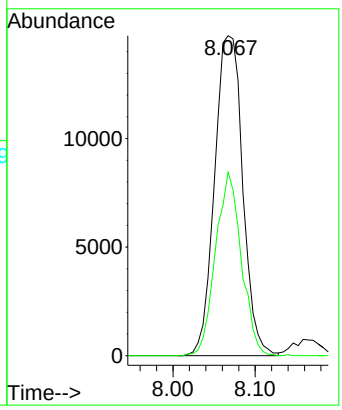


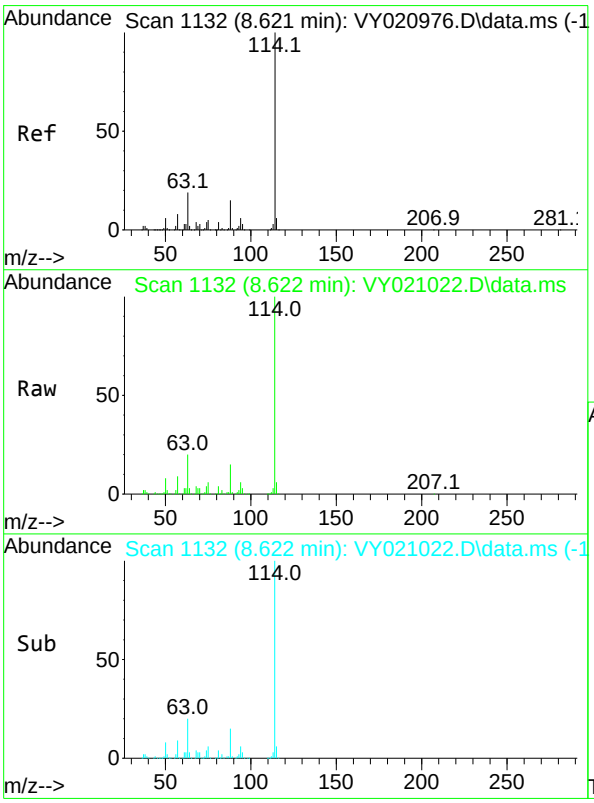

#33
1,2-Dichloroethane-d4
Concen: 22.450 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 65 Resp: 35087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 104.4 |

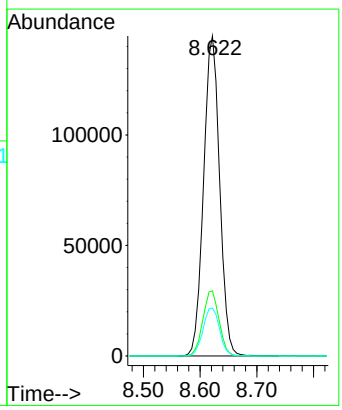


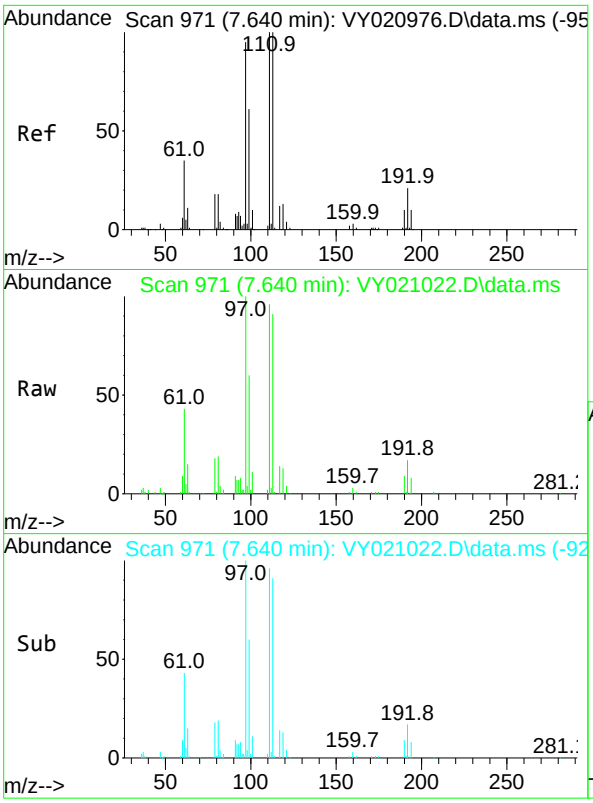




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:114 Resp: 284501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 37.2 |
| 88 | 15.0 | 0.0 | 29.6 |



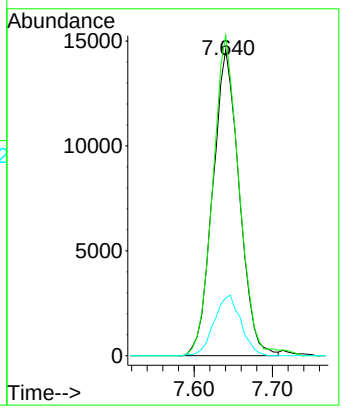


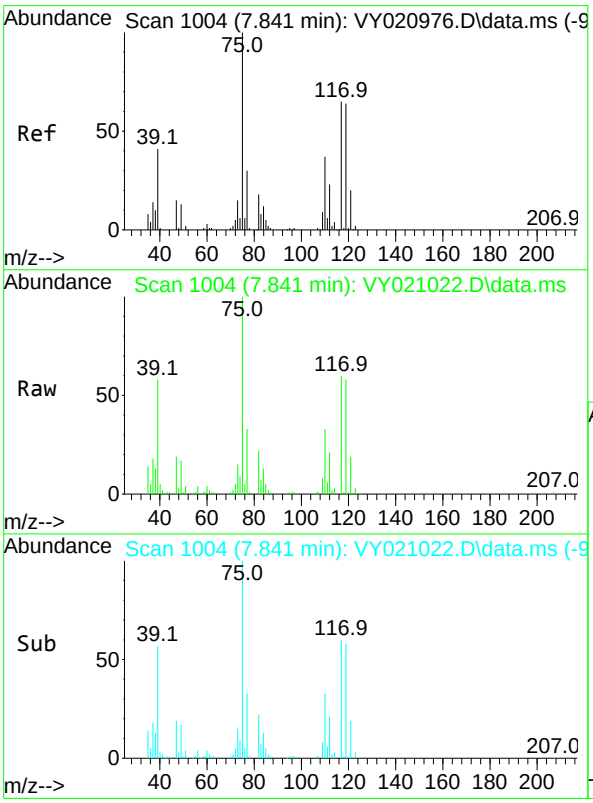

#35
Dibromofluoromethane
Concen: 20.042 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:113 Resp: 34279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.2 | 82.6 | 123.8 |
| 192 | 20.0 | 16.8 | 25.2 |

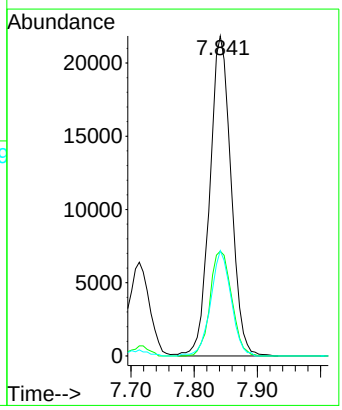


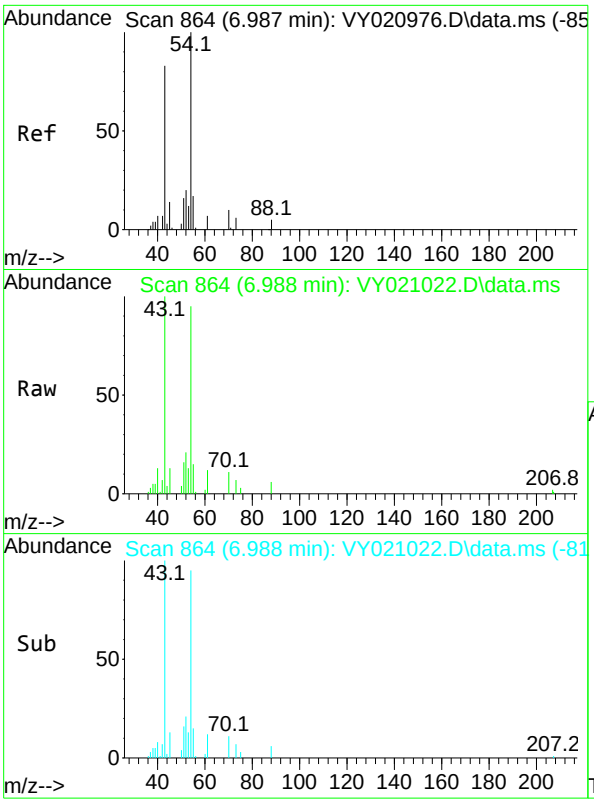




#36
1,1-Dichloropropene
Concen: 20.868 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 50918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.3 | 18.4 | 55.2 |
| 77 | 31.6 | 24.9 | 37.3 |



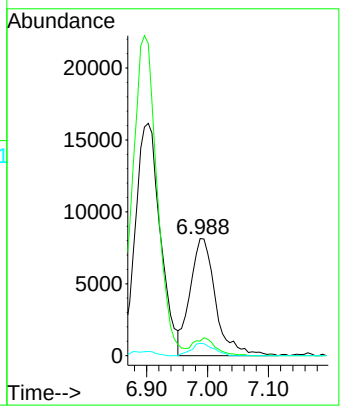


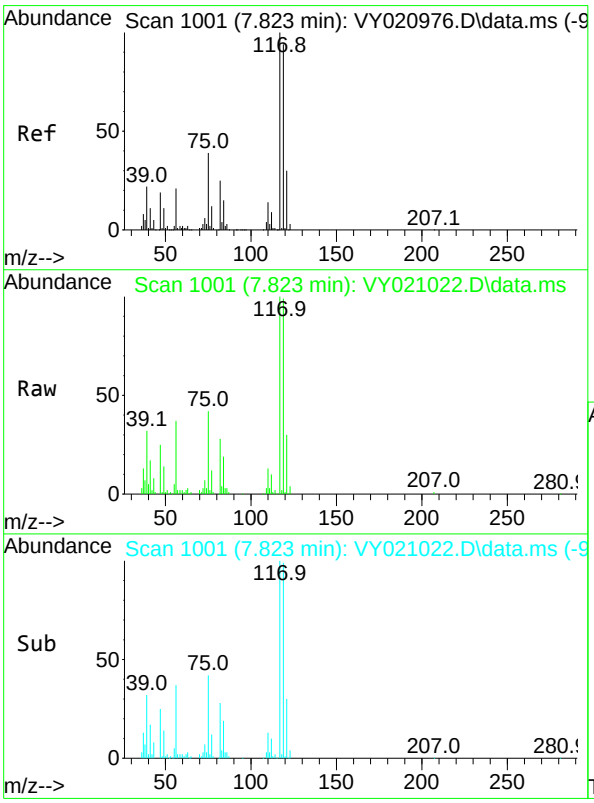

#37
Ethyl Acetate
Concen: 26.080 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 23724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 11.4 | 17.0 |
| 70 | 9.2 | 9.6 | 14.4# |

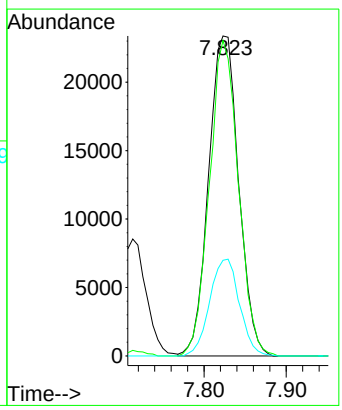


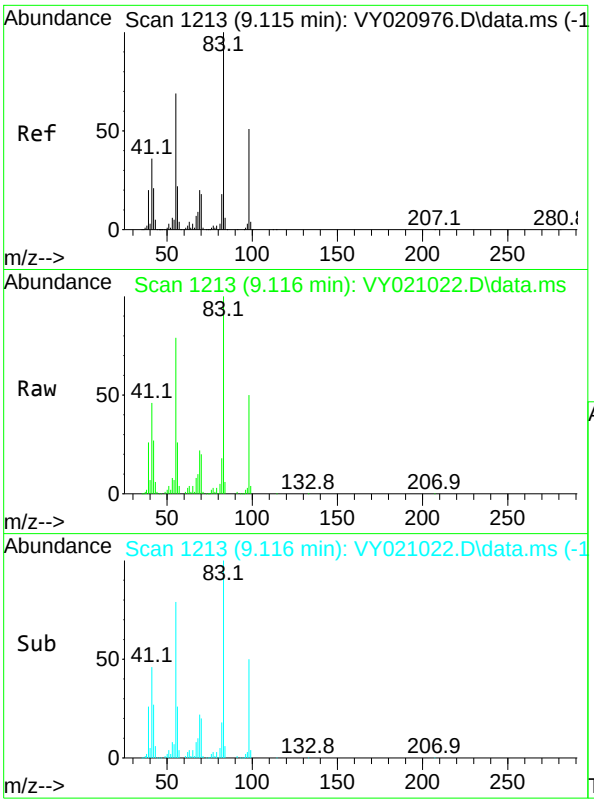




#38
Carbon Tetrachloride
Concen: 19.683 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 59433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.6 | 75.0 | 112.6 |
| 121 | 29.9 | 24.2 | 36.2 |



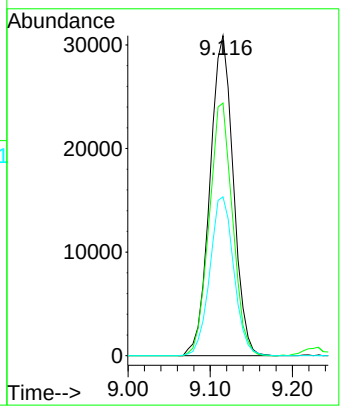


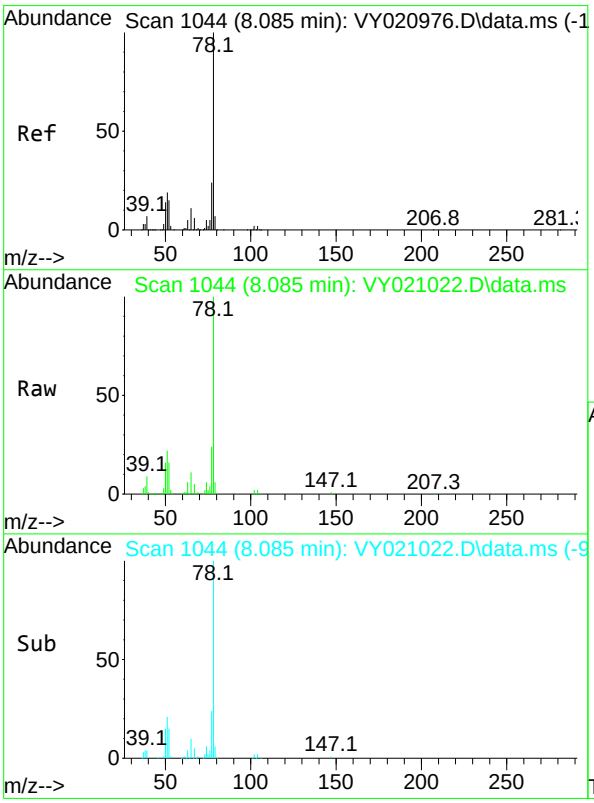

#39
Methylcyclohexane
Concen: 18.619 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 61029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.9 | 54.9 | 82.3 |
| 98 | 49.7 | 40.5 | 60.7 |

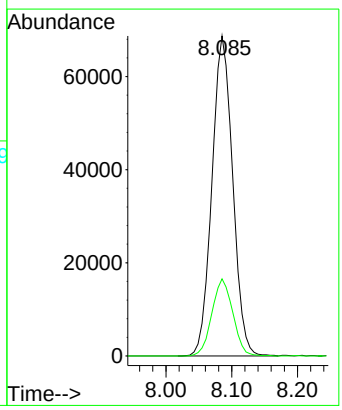


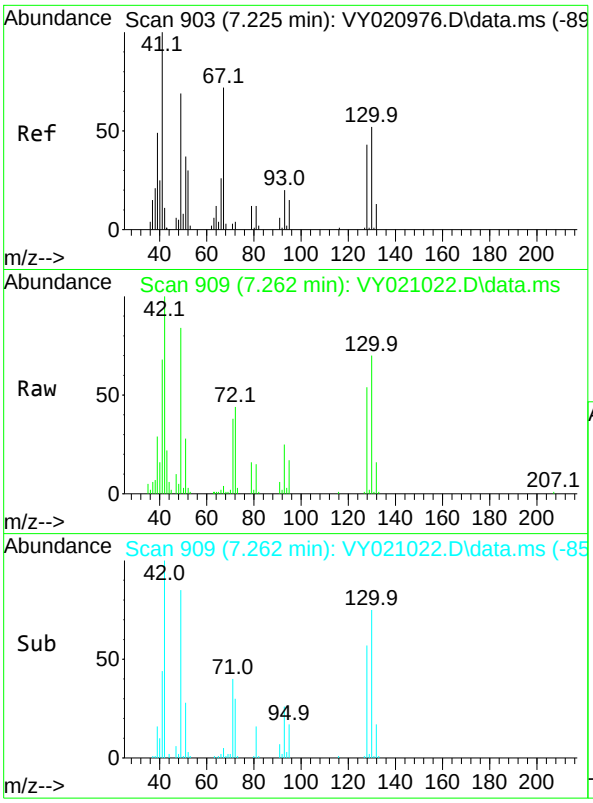




#40
Benzene
Concen: 21.027 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 78 Resp: 150967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.4 | 29.2 |



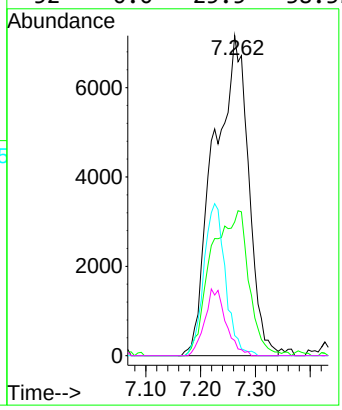


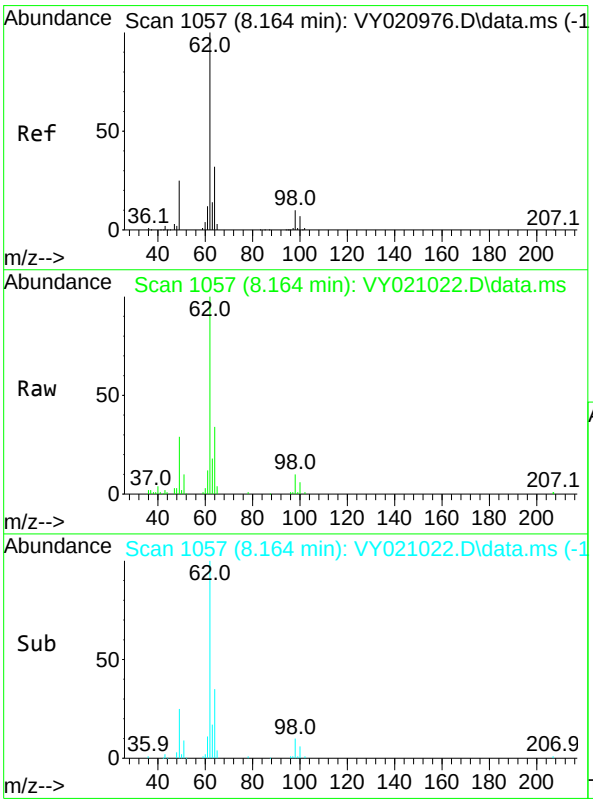

#41
Methacrylonitrile
Concen: 62.491 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.037 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 41 Resp: 31453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 49.2 | 41.6 | 62.4 |
| 67 | 0.0 | 63.8 | 95.6# |
| 52 | 0.0 | 25.5 | 38.3# |

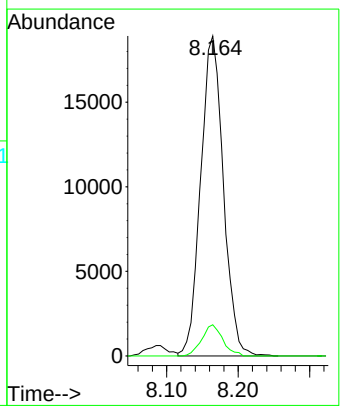


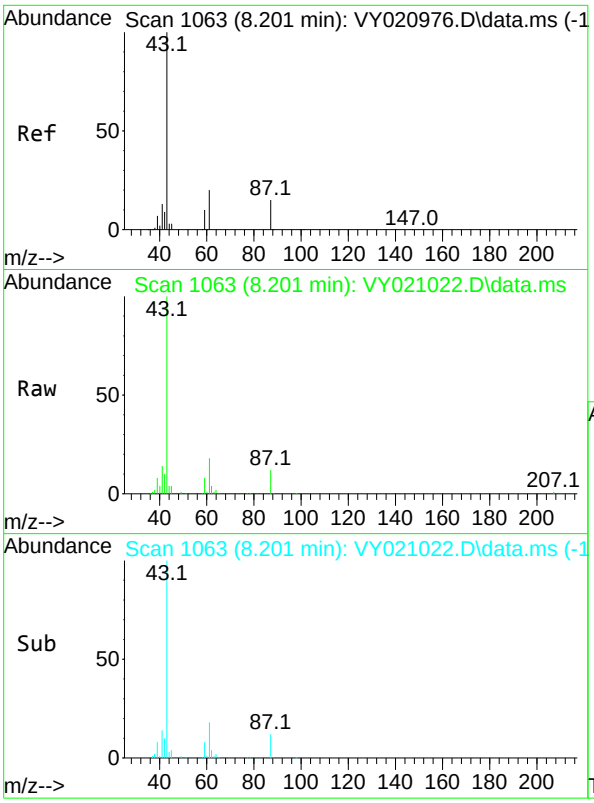




#42
1,2-Dichloroethane
Concen: 22.916 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 62 Resp: 41726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 19.4 |



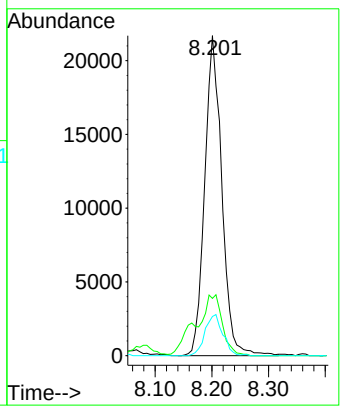


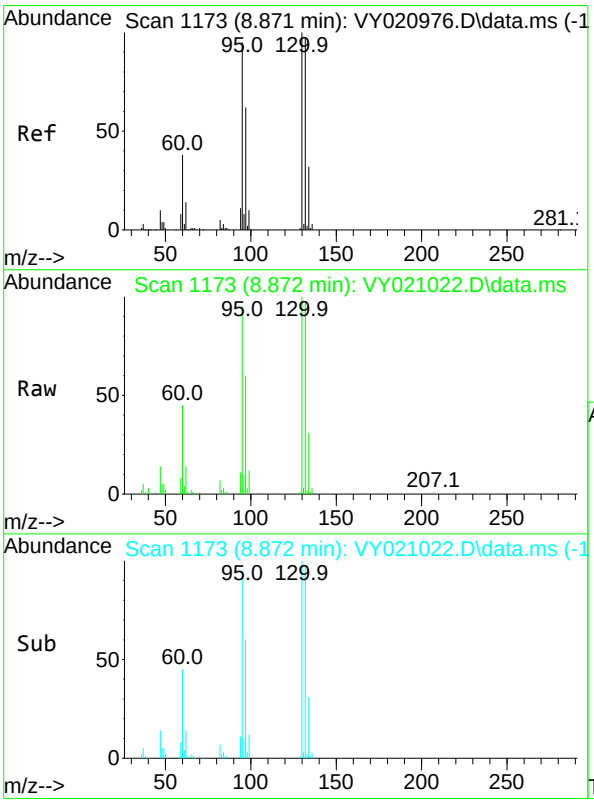

#43
Isopropyl Acetate
Concen: 25.040 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 45505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.2 | 15.8 | 23.6 |
| 87 | 13.5 | 12.5 | 18.7 |

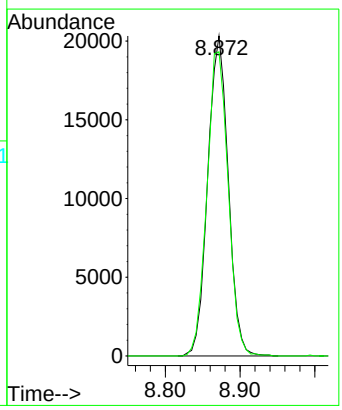


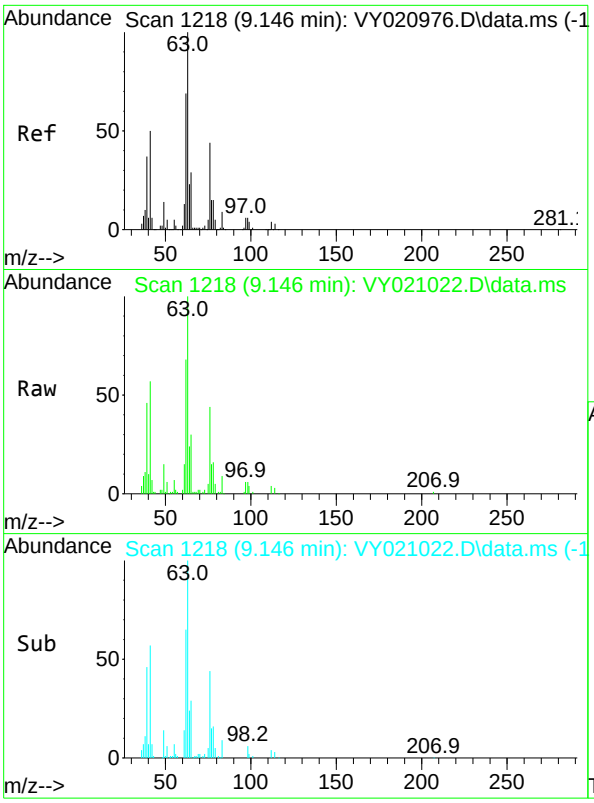




#44
Trichloroethene
Concen: 19.606 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:130 Resp: 38841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.0 | 0.0 | 189.6 |



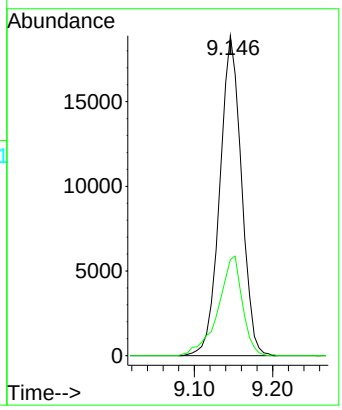


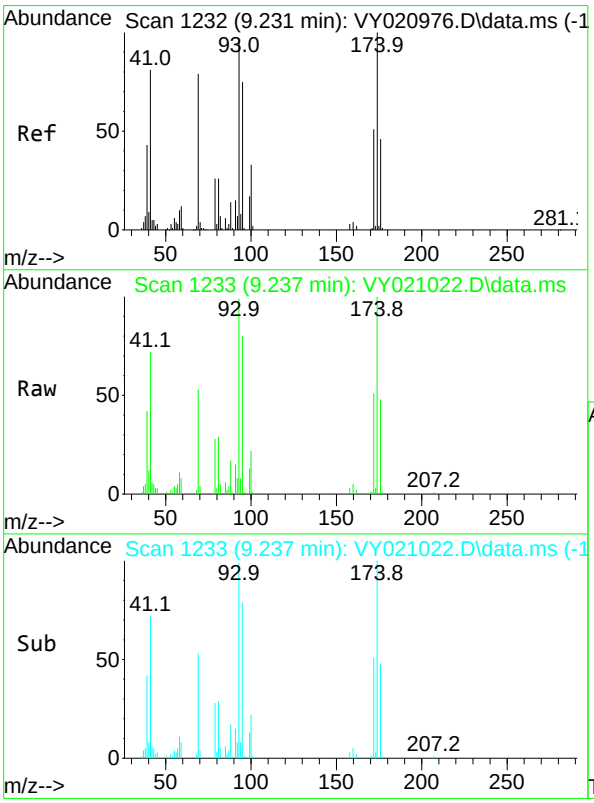

#45
1,2-Dichloropropane
Concen: 22.538 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 63 Resp: 36268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.0 | 23.6 | 35.4 |

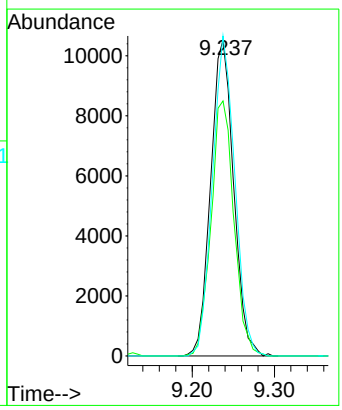


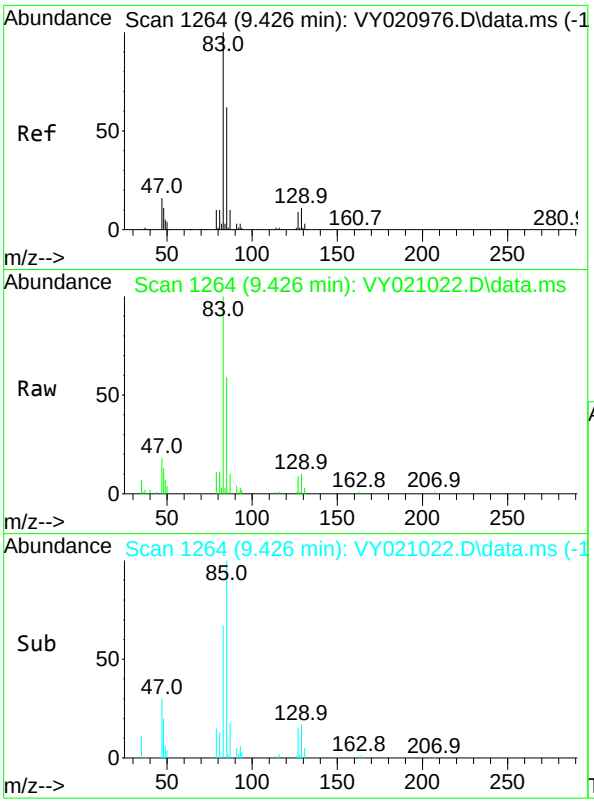




#46
Dibromomethane
Concen: 21.802 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 93 Resp: 20417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.6 | 65.8 | 98.8 |
| 174 | 98.9 | 88.1 | 132.1 |



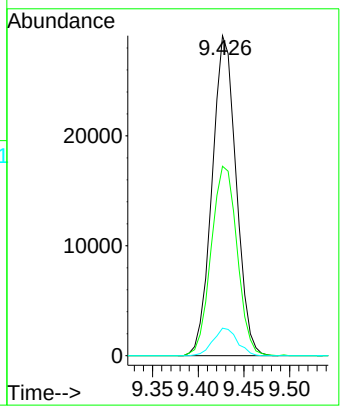


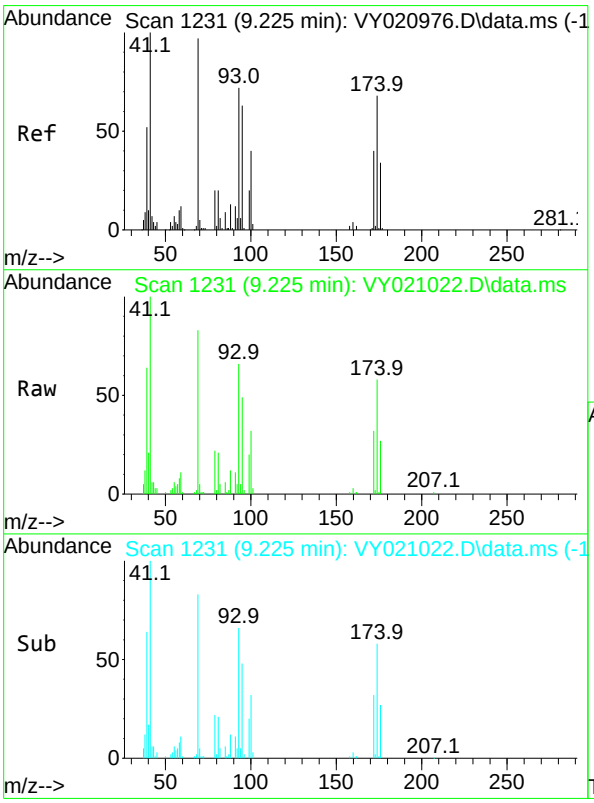

#47
Bromodichloromethane
Concen: 21.723 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 53424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 59.2 | 49.6 | 74.4 |
| 127 | 8.6 | 7.1 | 10.7 |

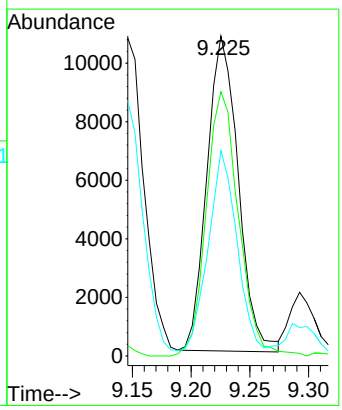


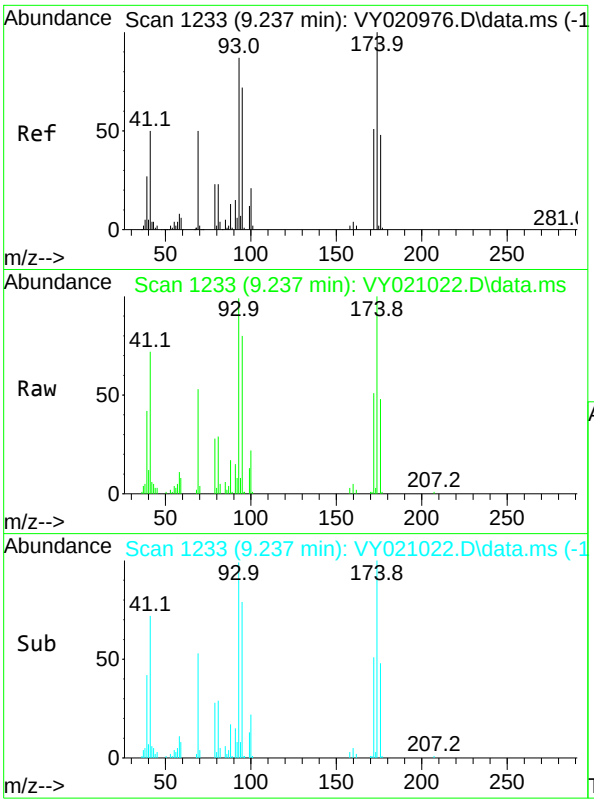




#48
Methyl methacrylate
Concen: 23.066 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 41 Resp: 19957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 86.6 | 75.6 | 113.4 |
| 39 | 58.1 | 41.3 | 61.9 |



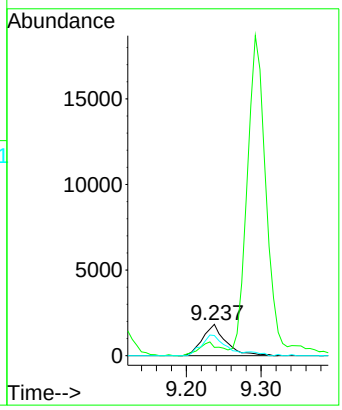


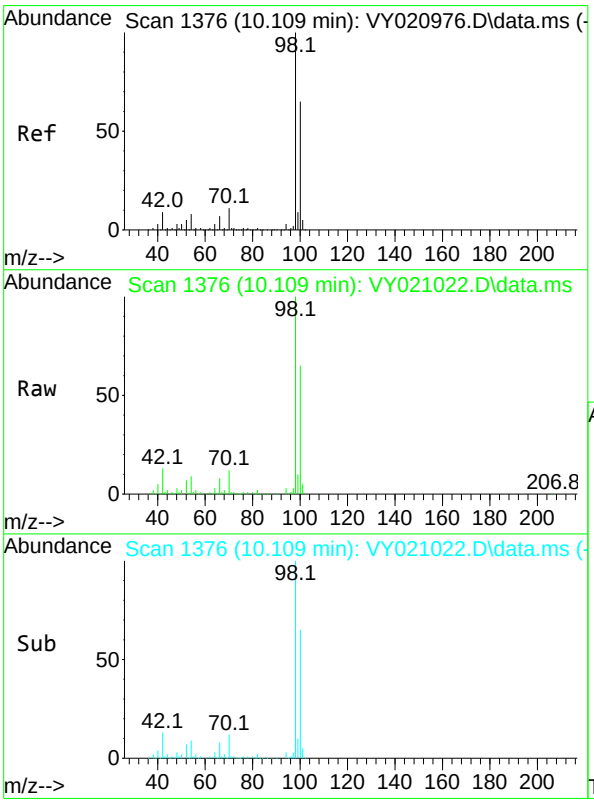

#49
1,4-Dioxane
Concen: 395.839 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 88 Resp: 3939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.0 | 24.2 | 36.4# |
| 58 | 66.2 | 57.3 | 85.9 |

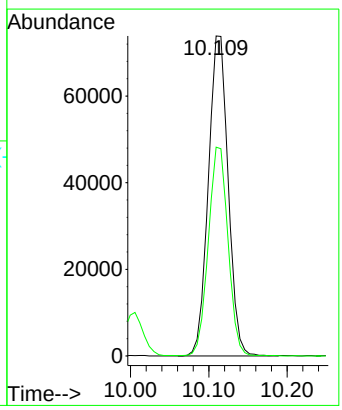


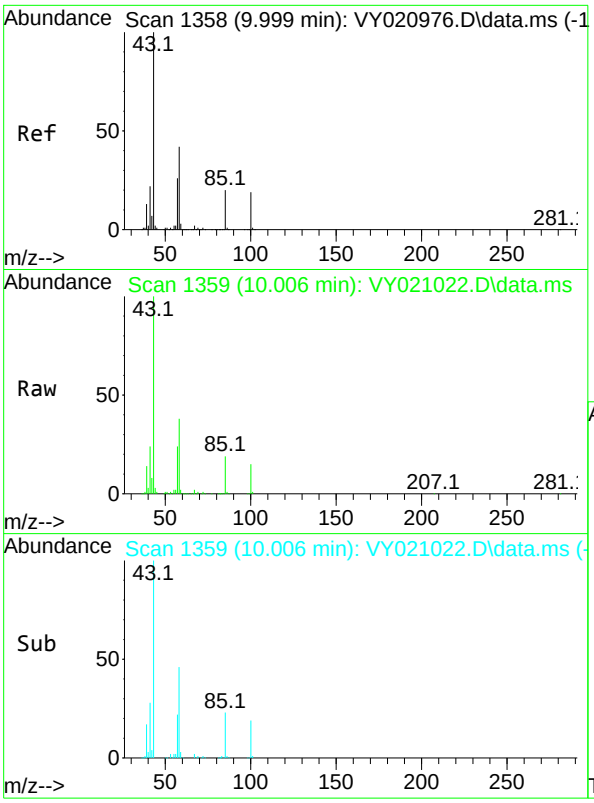




#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 98 Resp: 129662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 52.6 | 79.0 |



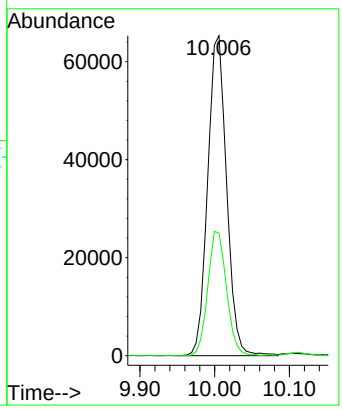


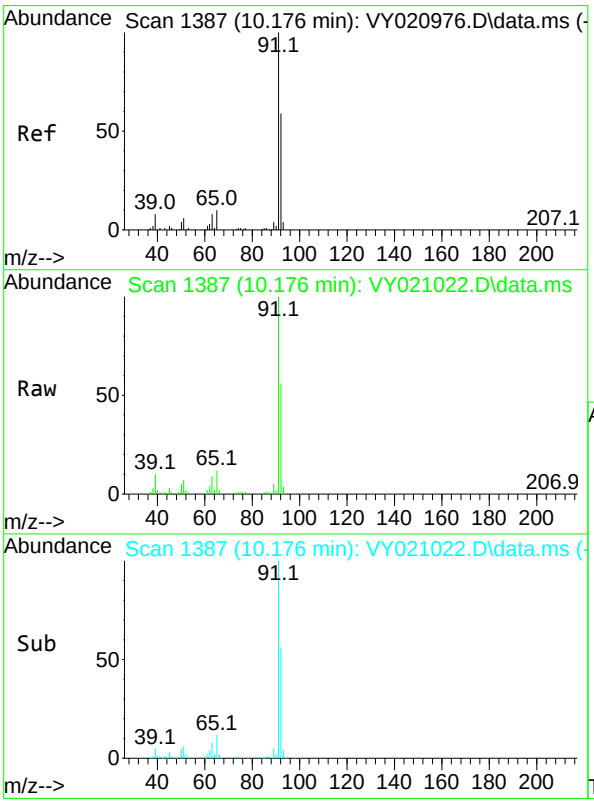

#51
4-Methyl-2-Pentanone
Concen: 122.983 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 114844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.6 | 33.8 | 50.8 |

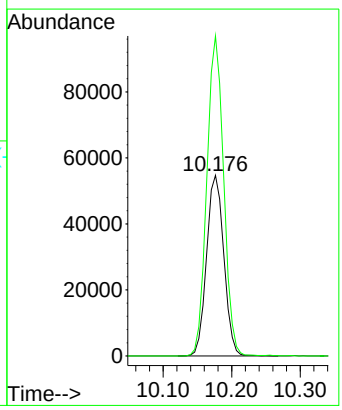


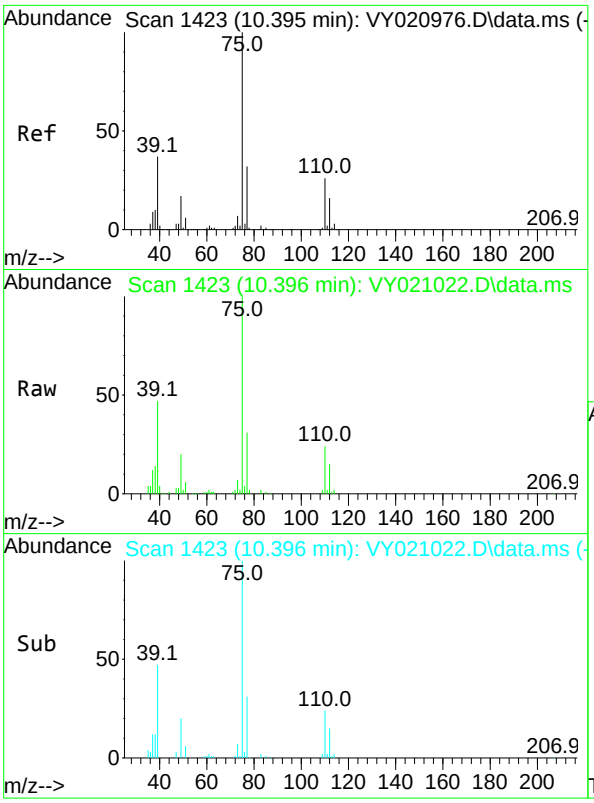




#52
Toluene
Concen: 20.517 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 92 Resp: 95614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.9 | 135.8 | 203.8 |



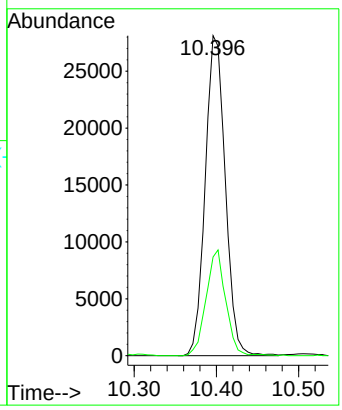


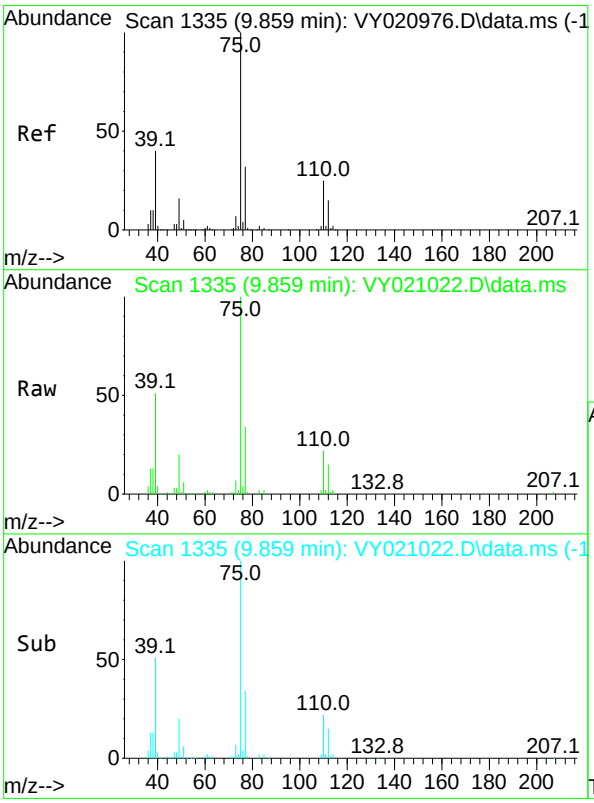

#53
t-1,3-Dichloropropene
Concen: 21.429 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 47690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.9 | 38.9 |

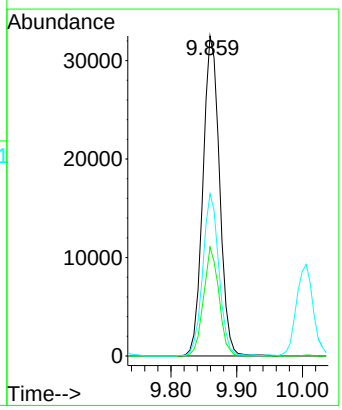


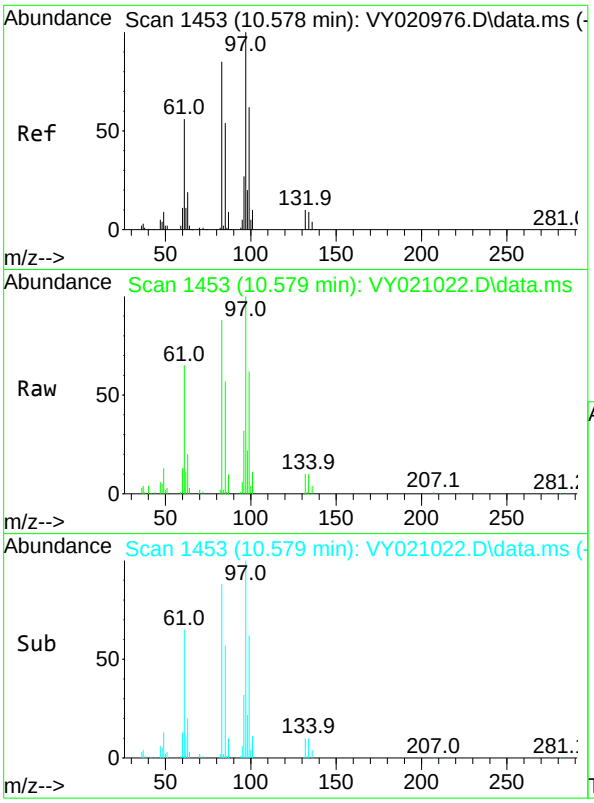




#54
cis-1,3-Dichloropropene
Concen: 21.469 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 57105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.1 | 25.4 | 38.0 |
| 39 | 50.6 | 32.2 | 48.2# |



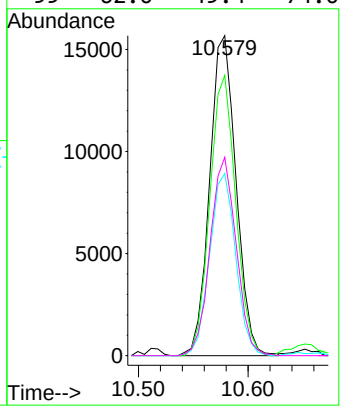


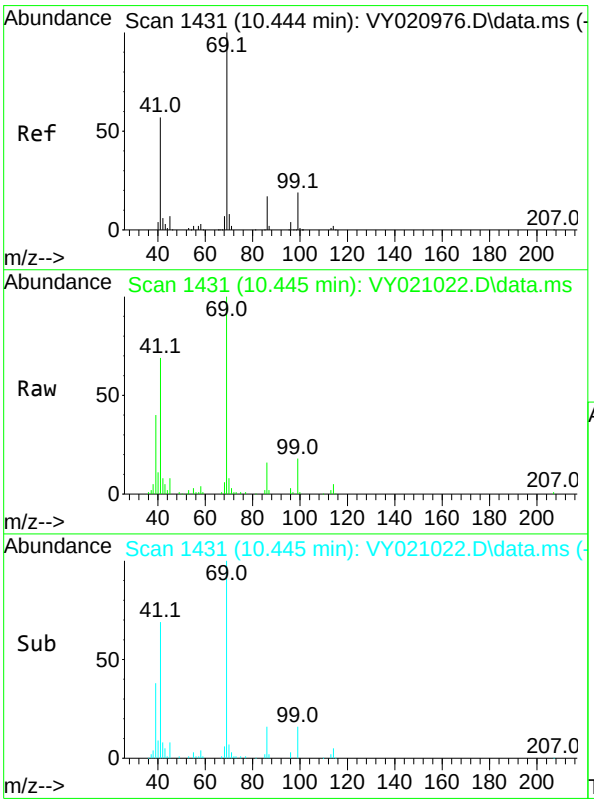

#55
1,1,2-Trichloroethane
Concen: 21.129 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 97 Resp: 26314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.6 | 67.7 | 101.5 |
| 85 | 56.9 | 43.4 | 65.2 |
| 99 | 62.0 | 49.4 | 74.0 |

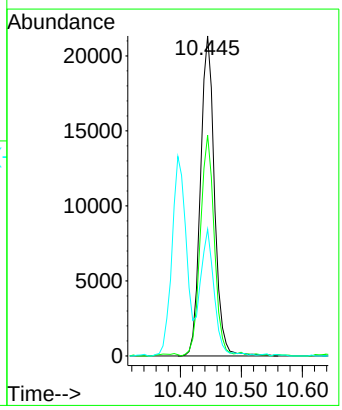


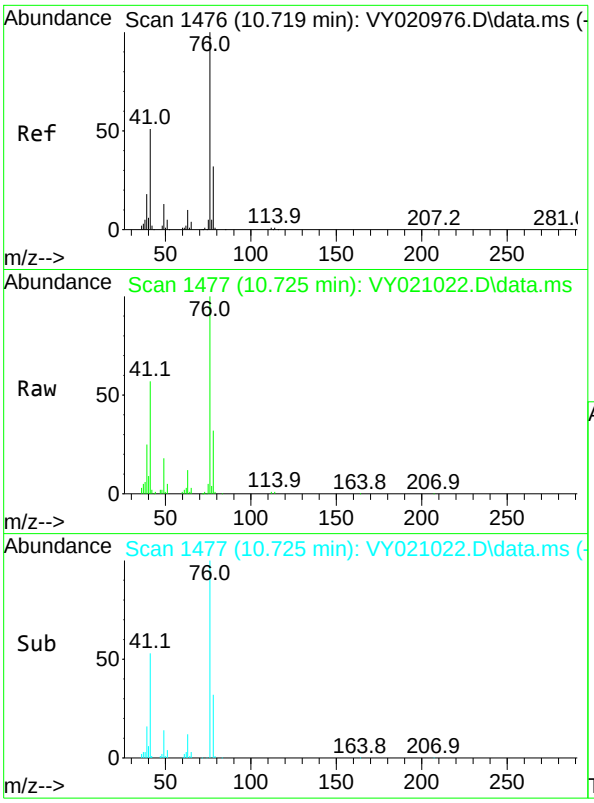




#56
Ethyl methacrylate
Concen: 20.963 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 69 Resp: 34126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.3 | 46.3 | 69.5 |
| 39 | 38.8 | 24.5 | 36.7# |



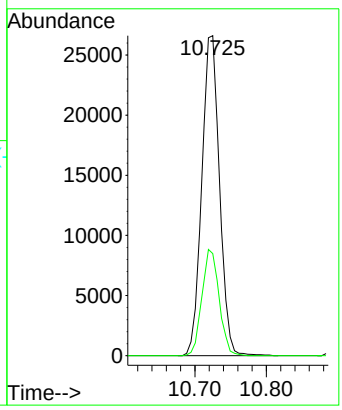


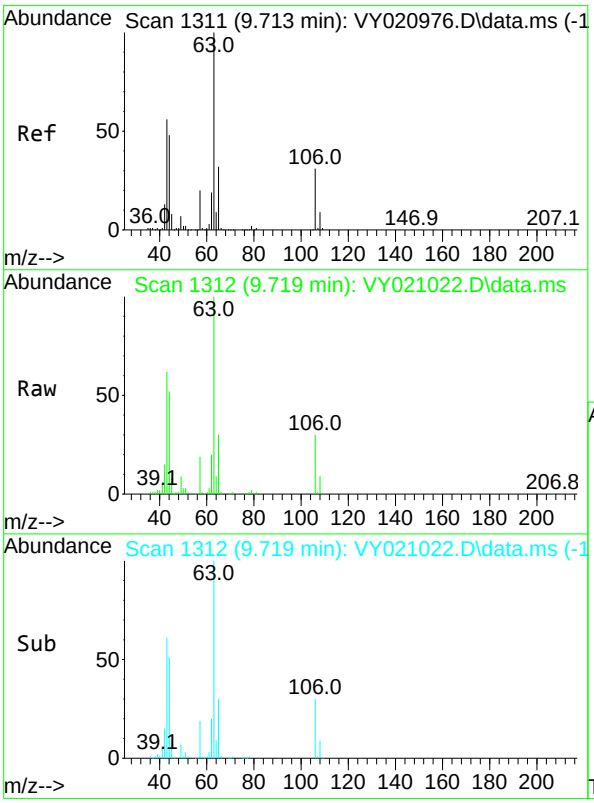

#57
1,3-Dichloropropane
Concen: 21.690 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 45784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 25.8 | 38.6 |

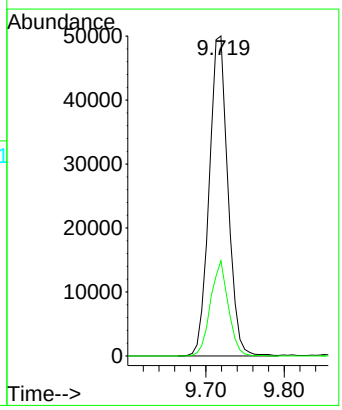


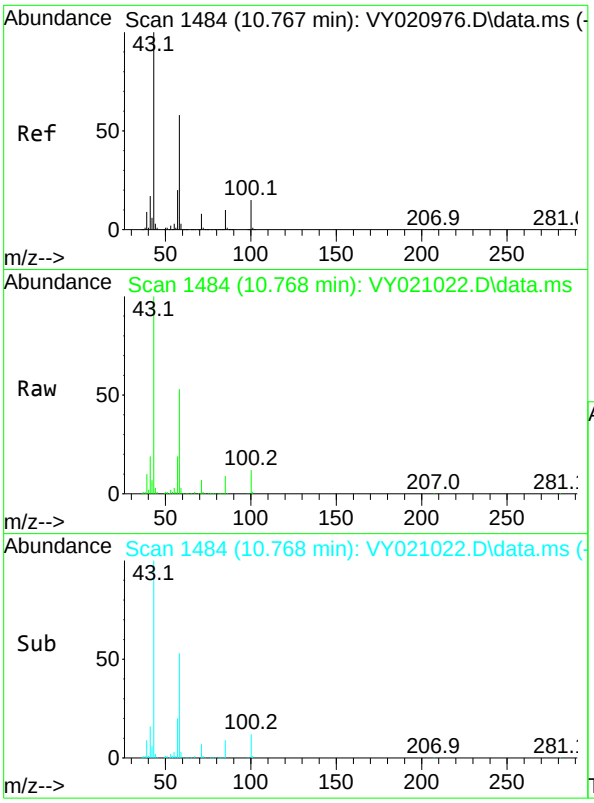




#58
2-Chloroethyl Vinyl ether
Concen: 120.208 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 63 Resp: 83057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.1 | 24.7 | 37.1 |



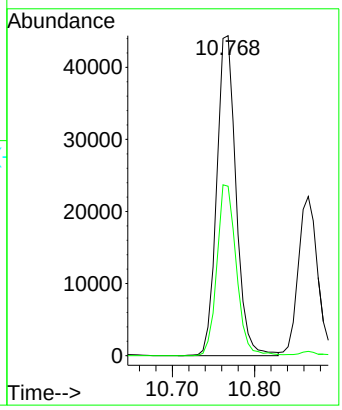


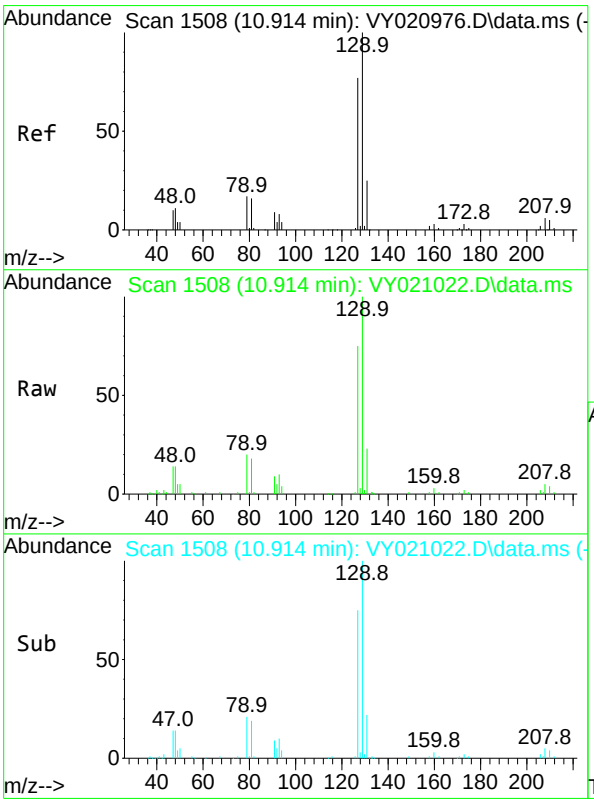

#59
2-Hexanone
Concen: 119.535 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 72555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.6 | 29.8 | 89.3 |

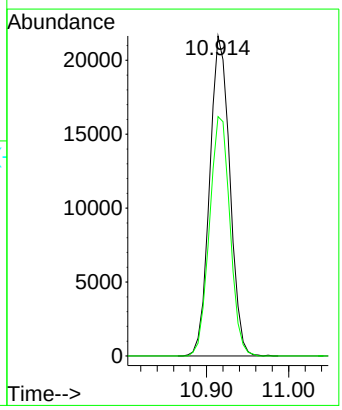


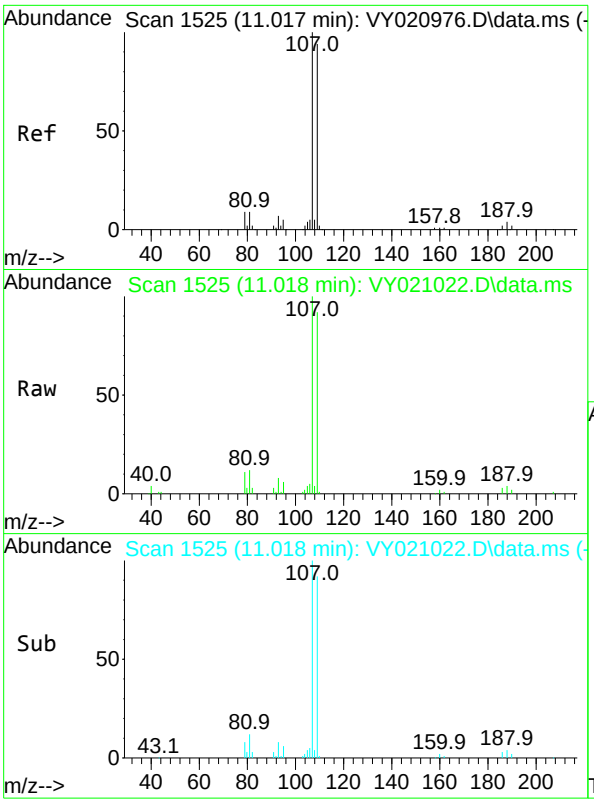




#60
Dibromochloromethane
Concen: 20.754 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:129 Resp: 36853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.0 | 38.5 | 115.3 |



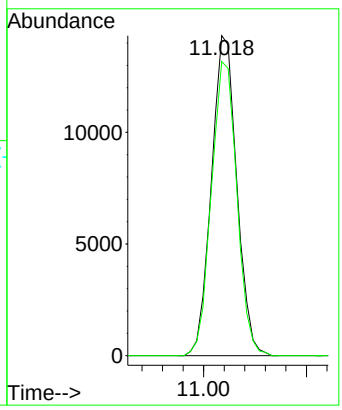


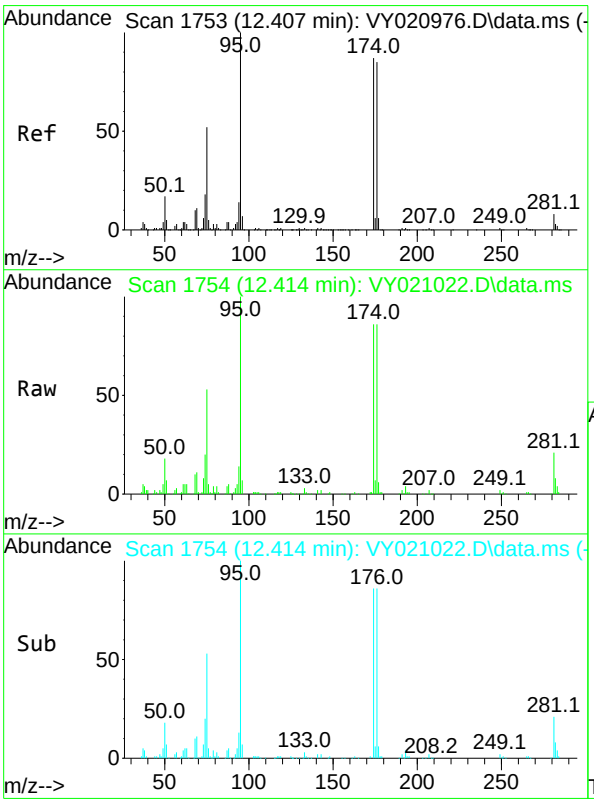

#61
1,2-Dibromoethane
Concen: 20.600 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:107 Resp: 24505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.5 | 76.6 | 114.8 |

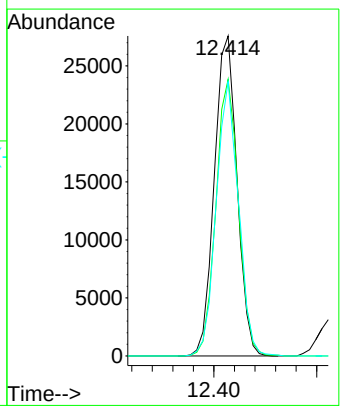


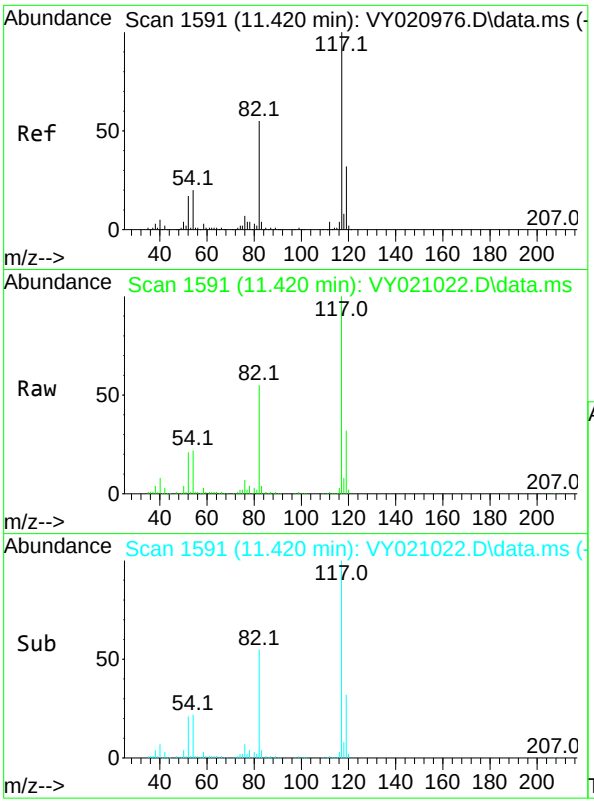




#62
4-Bromofluorobenzene
Concen: 18.831 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 95 Resp: 42182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.9 | 0.0 | 181.2 |
| 176 | 84.1 | 0.0 | 175.2 |



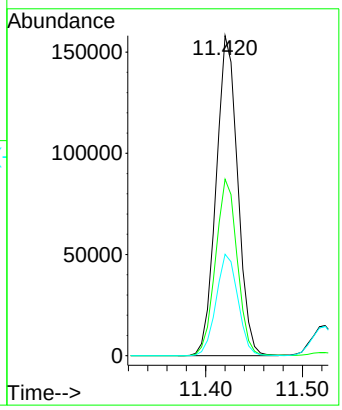


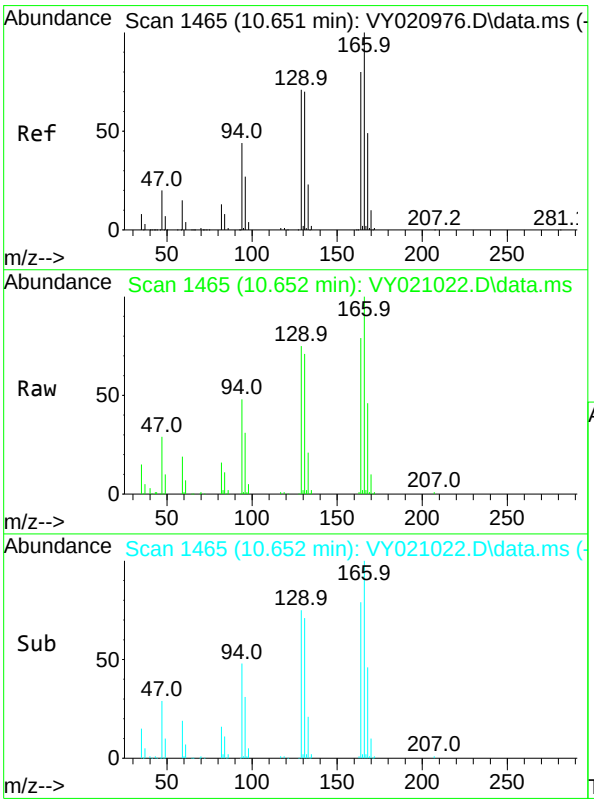

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:117 Resp: 244590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 44.2 | 66.2 |
| 119 | 31.7 | 25.9 | 38.9 |

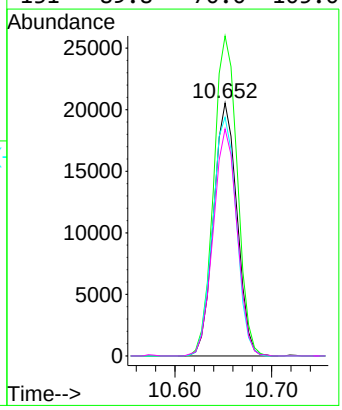


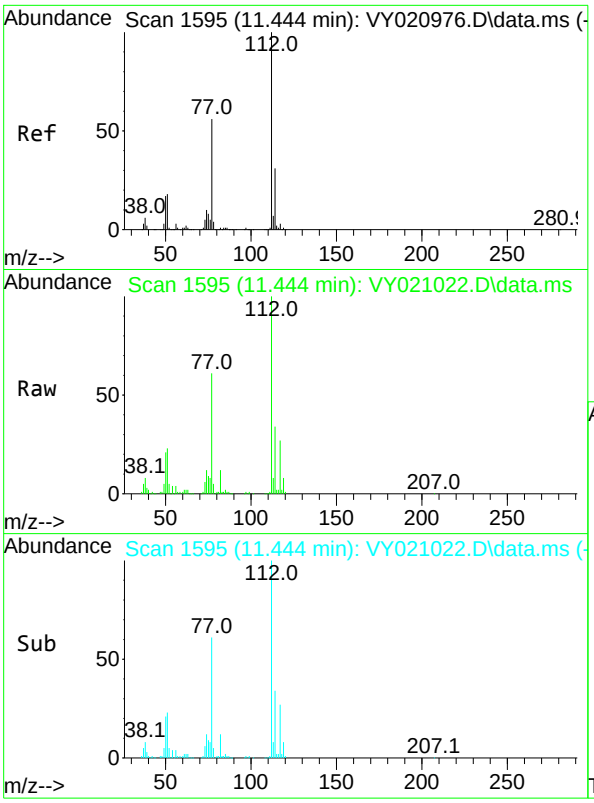




#64
Tetrachloroethene
Concen: 18.655 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:164 Resp: 34418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.5 | 100.4 | 150.6 |
| 129 | 94.4 | 70.8 | 106.2 |
| 131 | 89.8 | 70.0 | 105.0 |



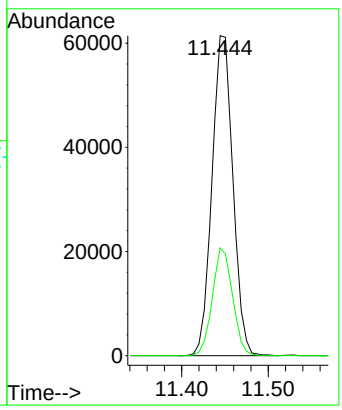


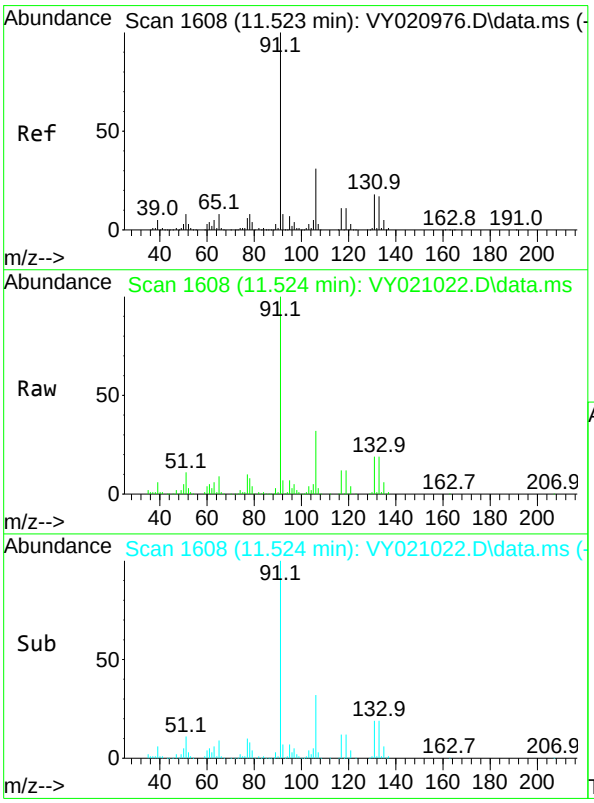

#65
Chlorobenzene
Concen: 20.015 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:112 Resp: 103141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.7 | 24.6 | 37.0 |

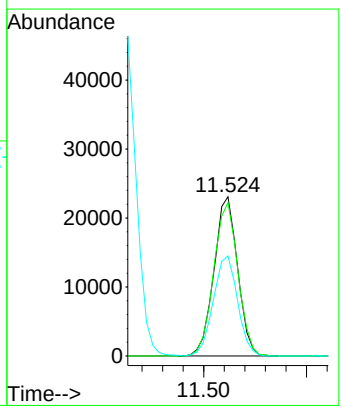


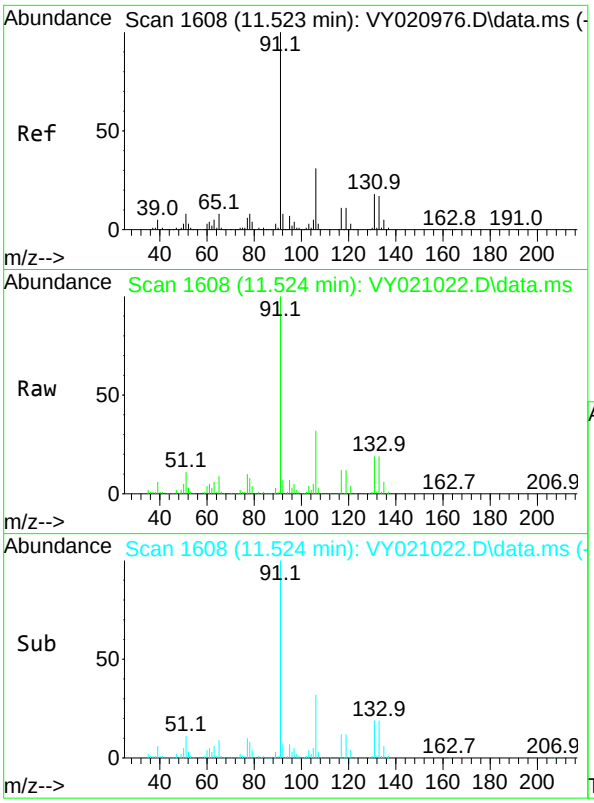




#66
1,1,1,2-Tetrachloroethane
Concen: 20.130 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:131 Resp: 36817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 98.5 | 48.7 | 146.1 |
| 119 | 64.4 | 31.4 | 94.3 |



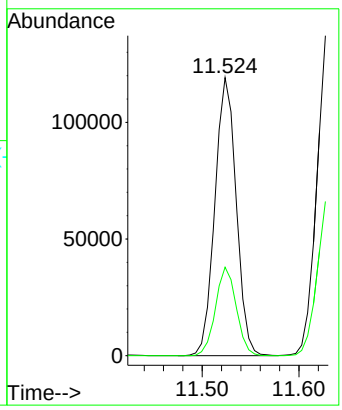


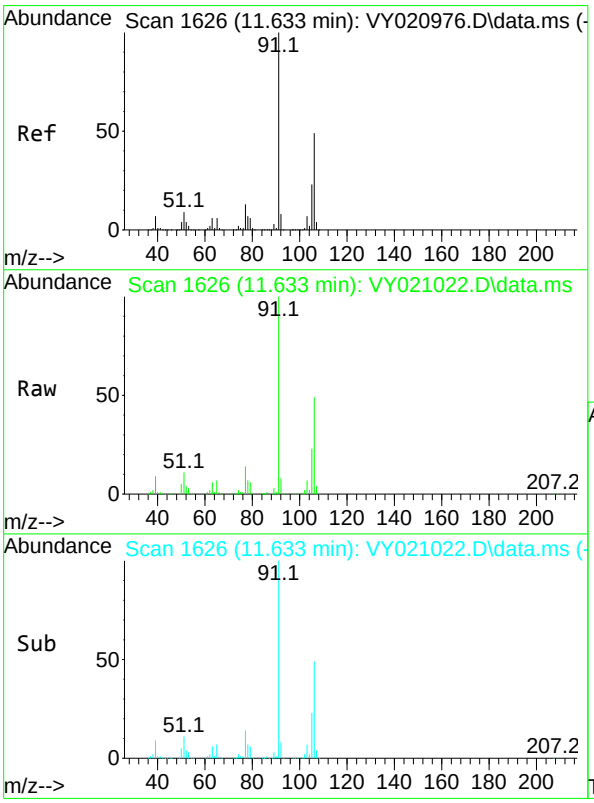

#67
Ethyl Benzene
Concen: 20.446 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 182430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.8 | 24.9 | 37.3 |

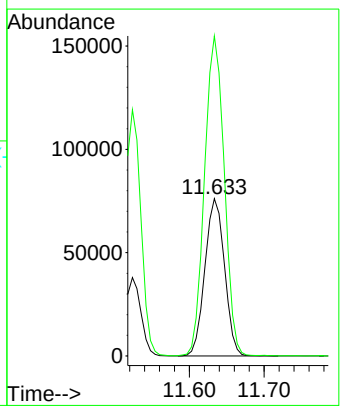


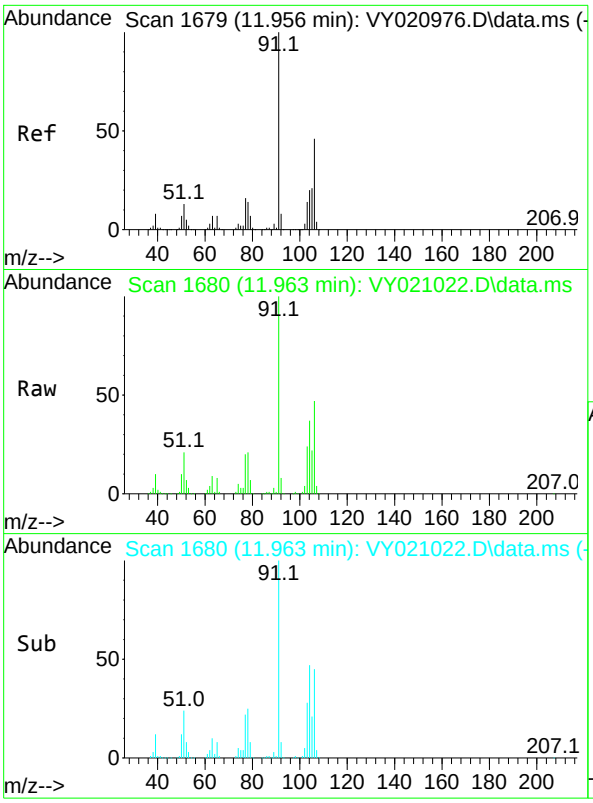




#68
m/p-Xylenes
Concen: 40.497 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:106 Resp: 138826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.4 | 160.0 | 240.0 |



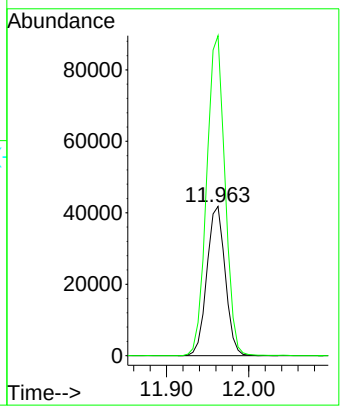


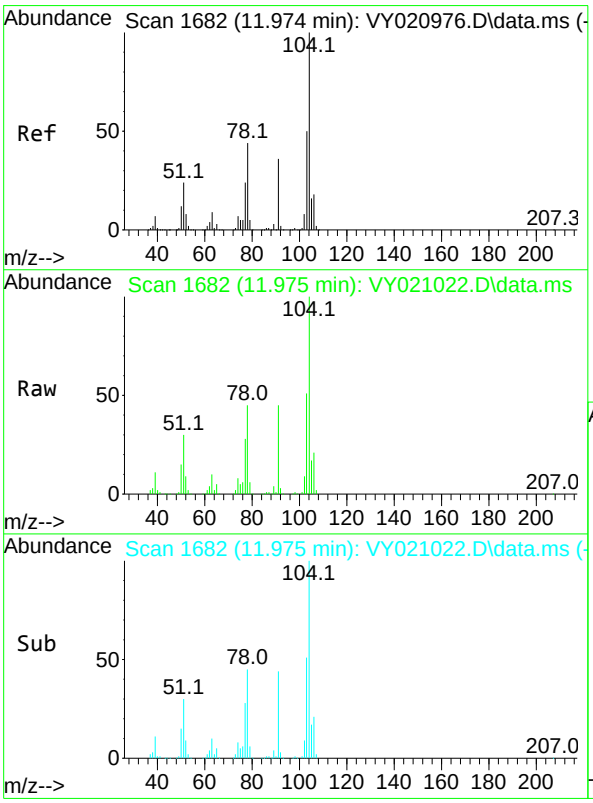

#69
o-Xylene
Concen: 20.276 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:106 Resp: 64616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.7 | 105.8 | 317.6 |

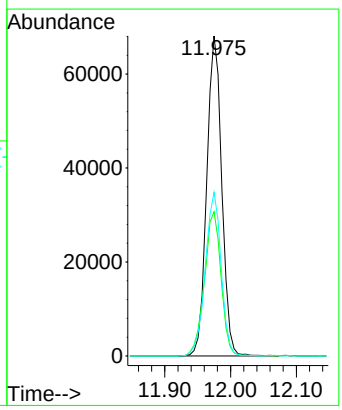


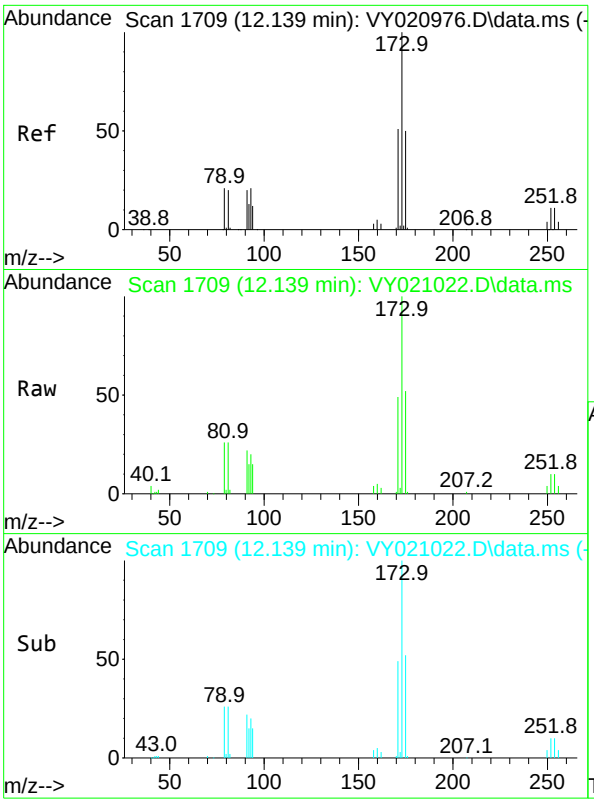




#70
Styrene
Concen: 20.439 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:104 Resp: 108143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.9 | 39.0 | 58.4 |
| 103 | 54.2 | 43.7 | 65.5 |



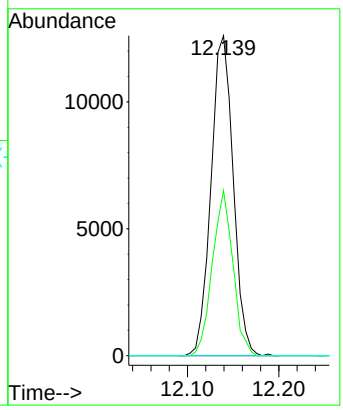


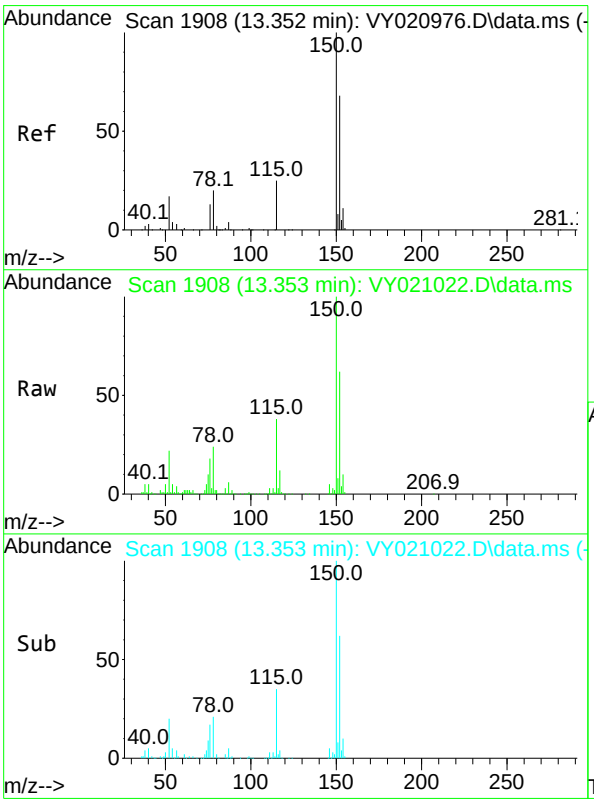

#71
Bromoform
Concen: 19.718 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:173 Resp: 21254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.8 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

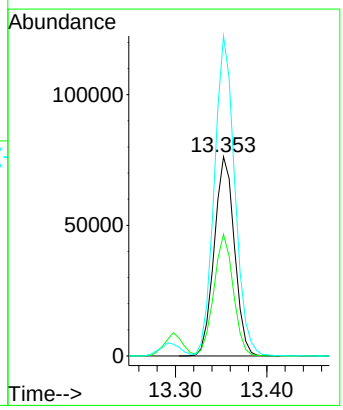


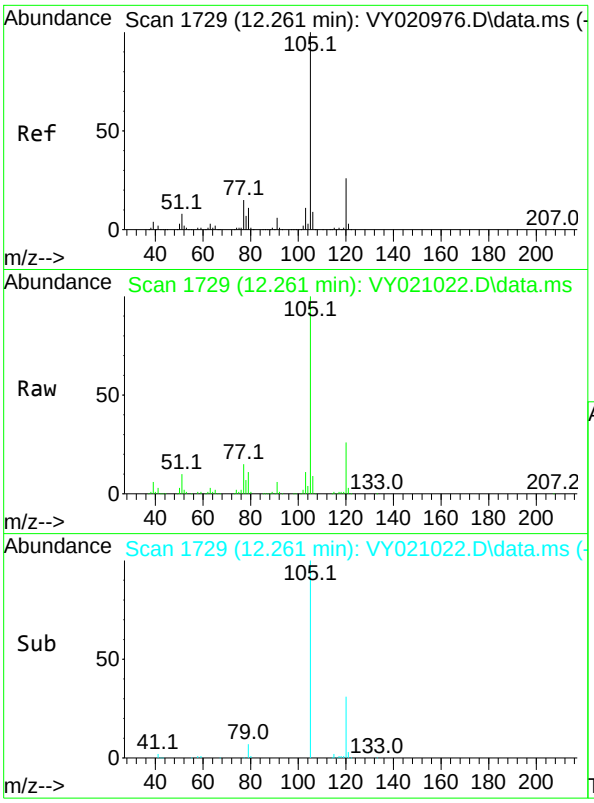




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:152 Resp: 116948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.7 | 28.4 | 85.2 |
| 150 | 162.9 | 0.0 | 342.8 |



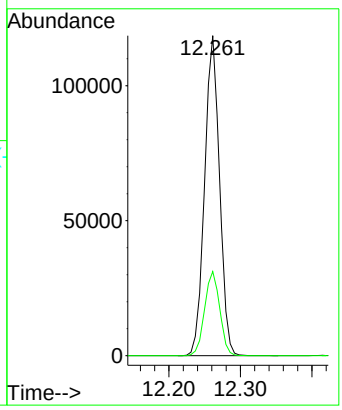


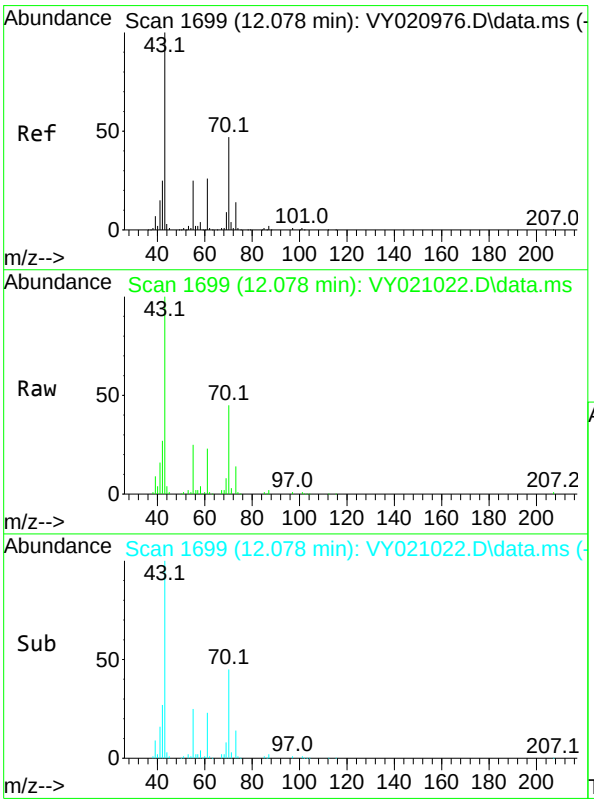

#73
Isopropylbenzene
Concen: 20.921 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 171836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 13.4 | 40.2 |

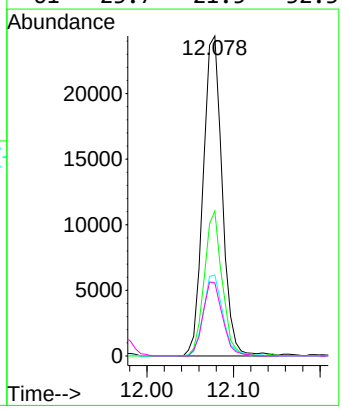


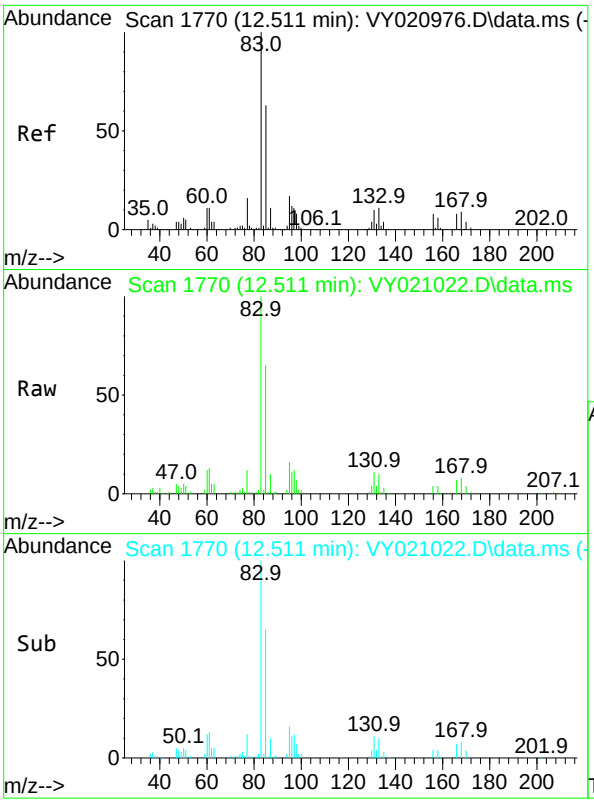




#74
N-amyl acetate
Concen: 24.896 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 43 Resp: 37235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.5 | 39.3 | 58.9 |
| 55 | 26.1 | 22.3 | 33.5 |
| 61 | 23.7 | 21.5 | 32.3 |



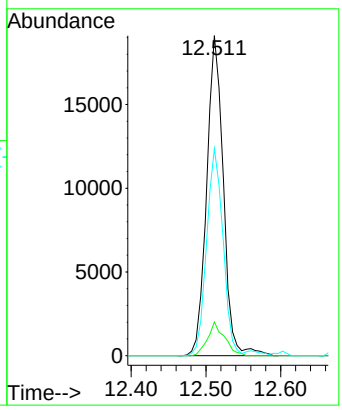


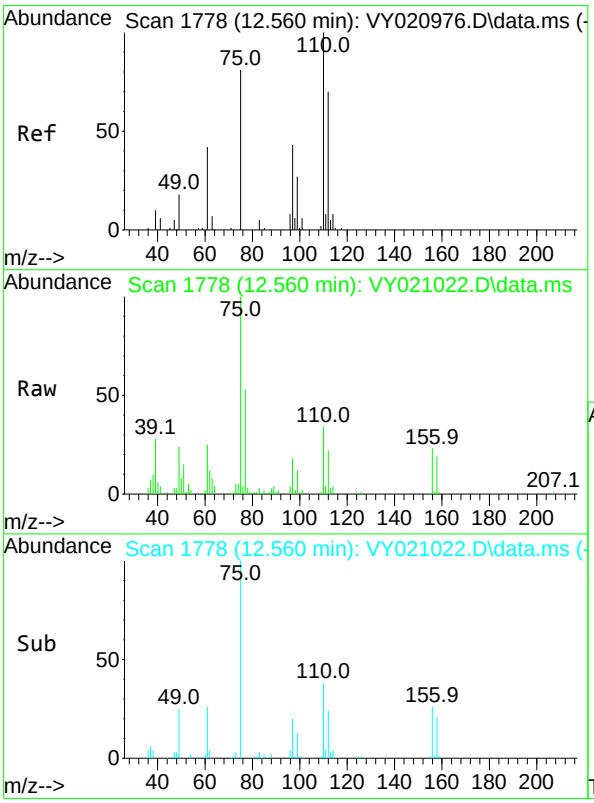

#75
1,1,2,2-Tetrachloroethane
Concen: 22.410 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 29712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 5.7 | 17.1 |
| 85 | 63.4 | 31.9 | 95.9 |

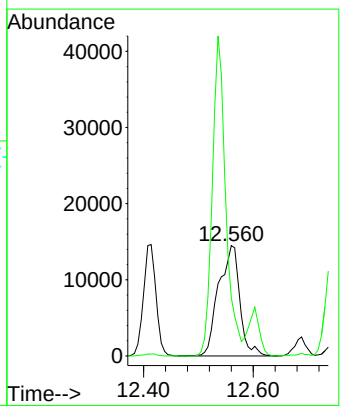


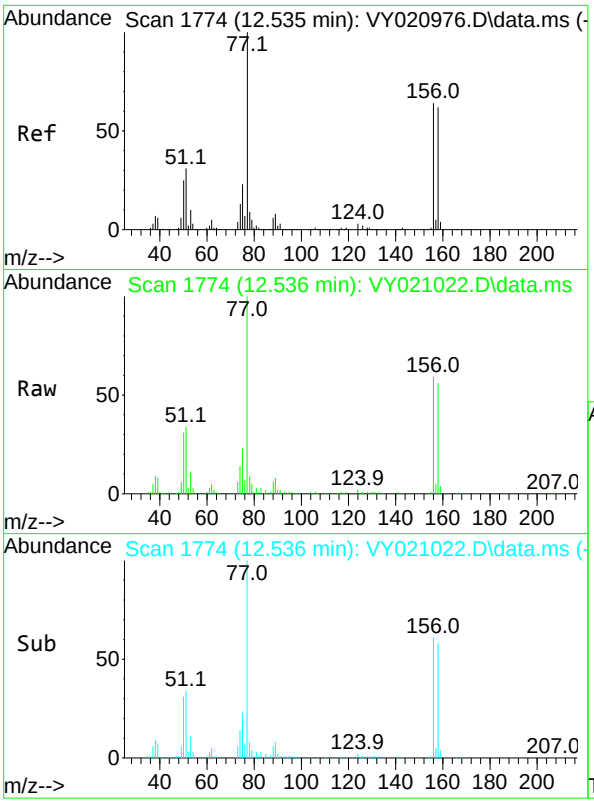




#76
1,2,3-Trichloropropane
Concen: 42.065 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 38943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



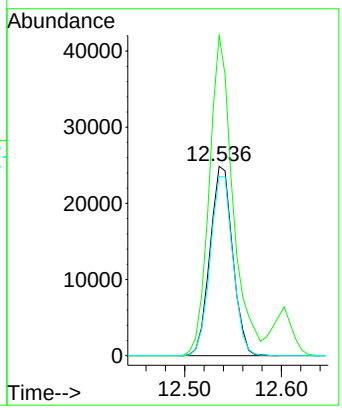


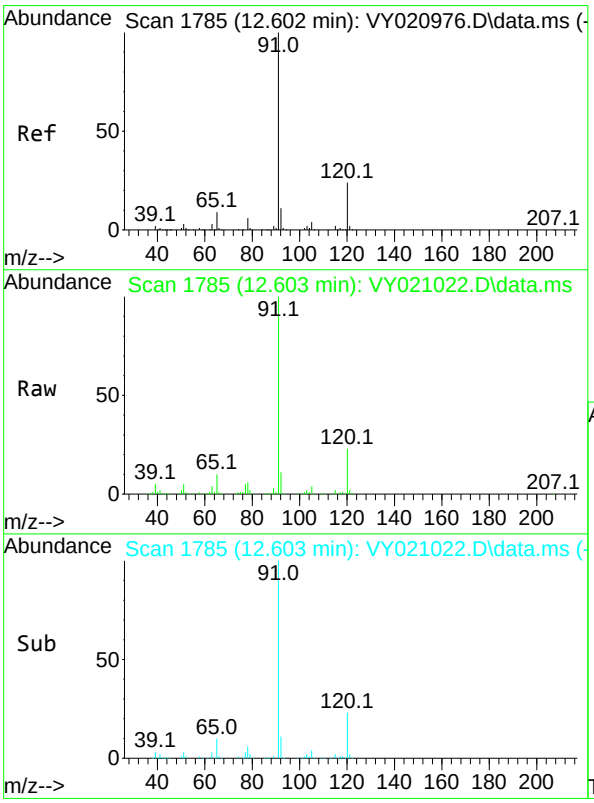

#77
Bromobenzene
Concen: 20.793 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:156 Resp: 40491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 176.3 | 83.3 | 249.9 |
| 158 | 94.6 | 48.3 | 144.9 |

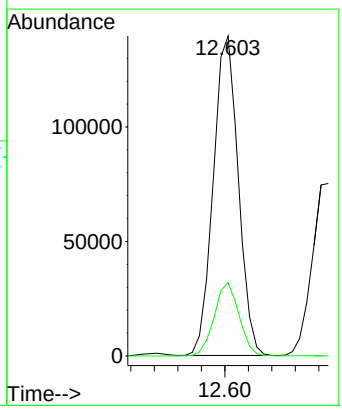


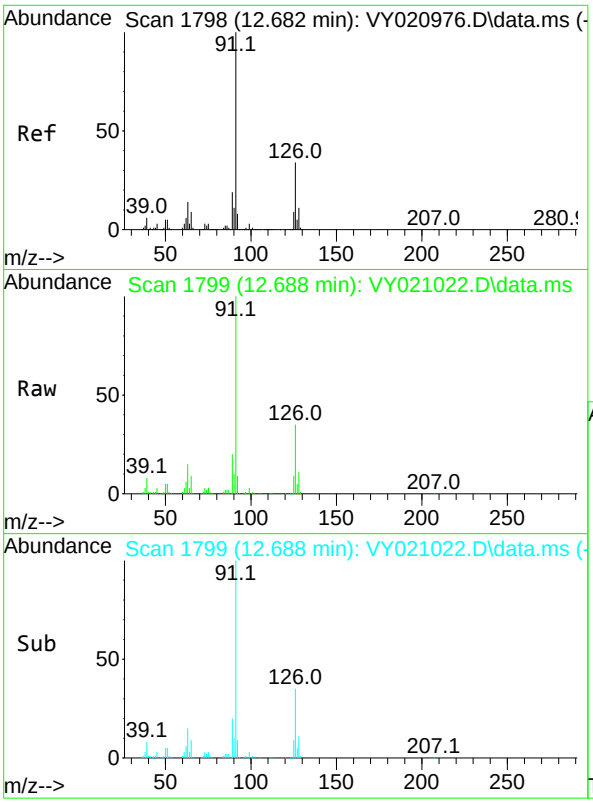




#78
n-propylbenzene
Concen: 21.429 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 206279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.8 | 35.4 |



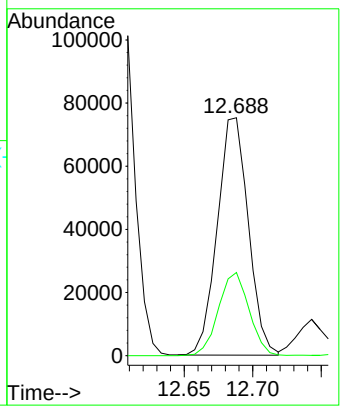


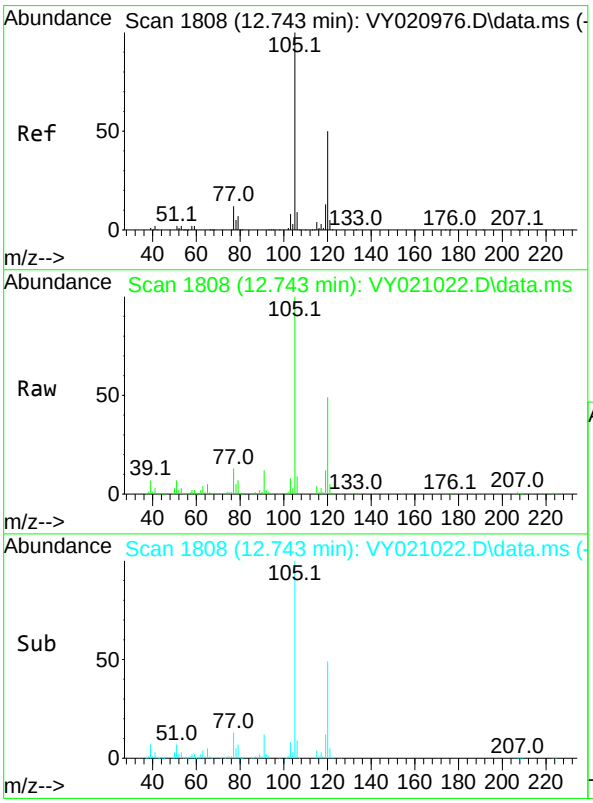

#79
2-Chlorotoluene
Concen: 21.638 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 118673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.6 | 17.3 | 51.9 |

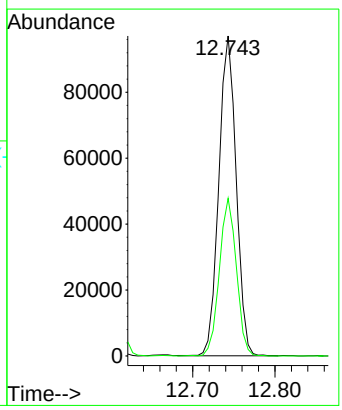


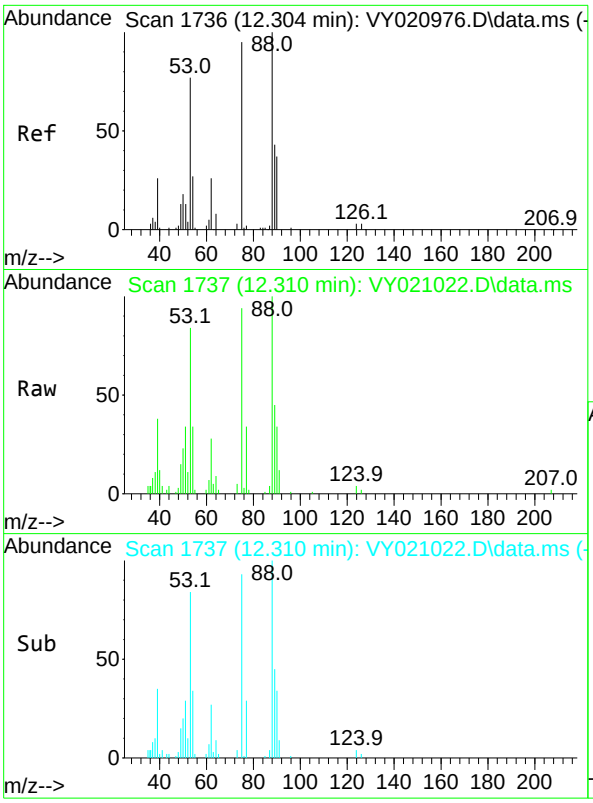




#80
1,3,5-Trimethylbenzene
Concen: 21.150 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 142319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.3 | 72.9 |



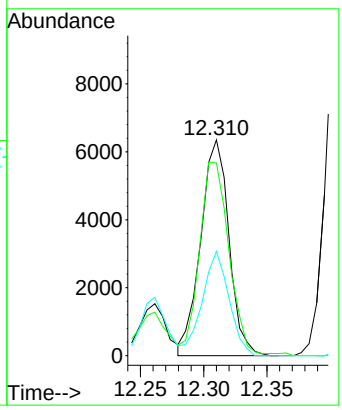


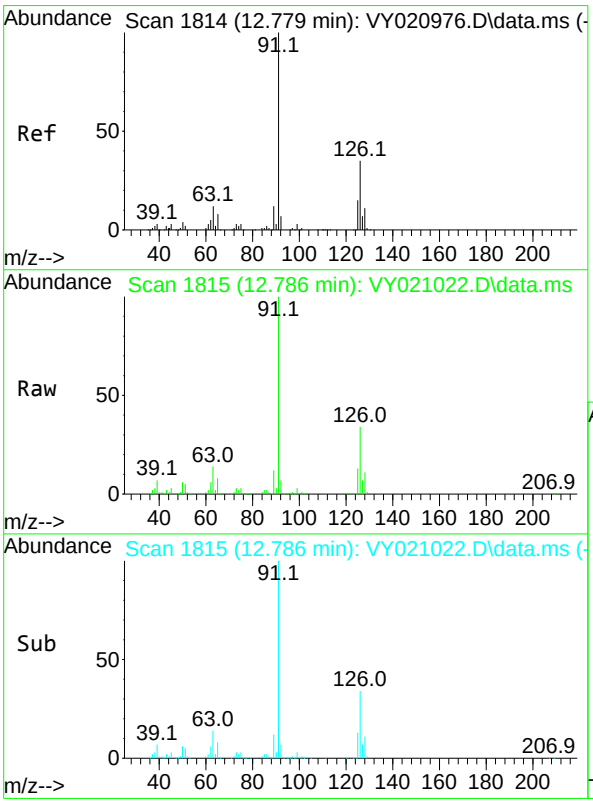

#81
trans-1,4-Dichloro-2-butene
Concen: 22.135 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 9872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 94.1 | 68.6 | 103.0 |
| 89 | 46.0 | 38.1 | 57.1 |

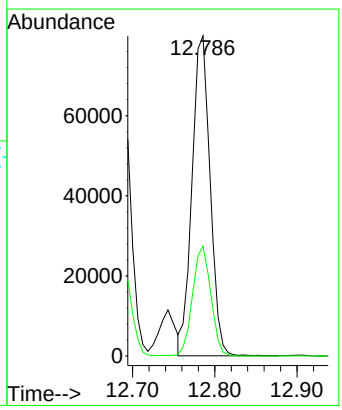


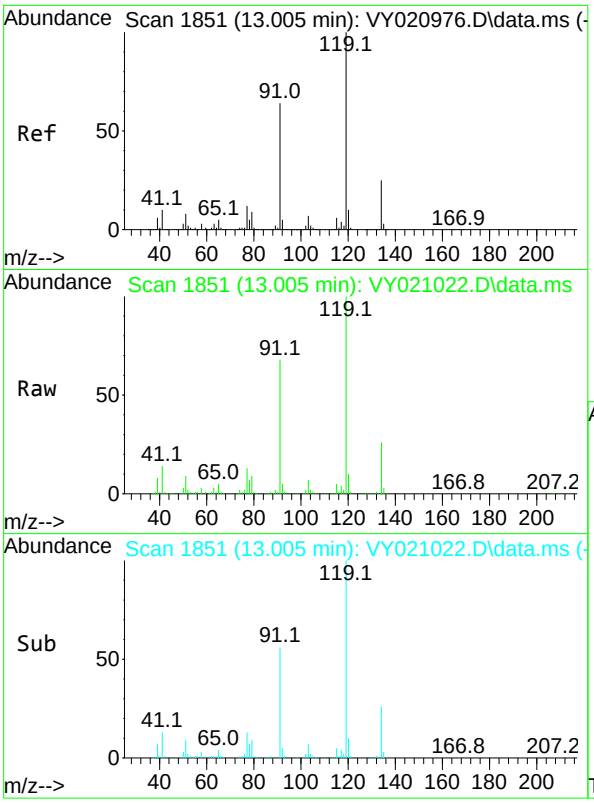




#82
4-Chlorotoluene
Concen: 21.712 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 91 Resp: 121872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.7 | 17.3 | 52.0 |



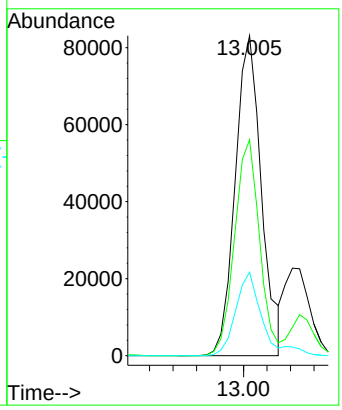


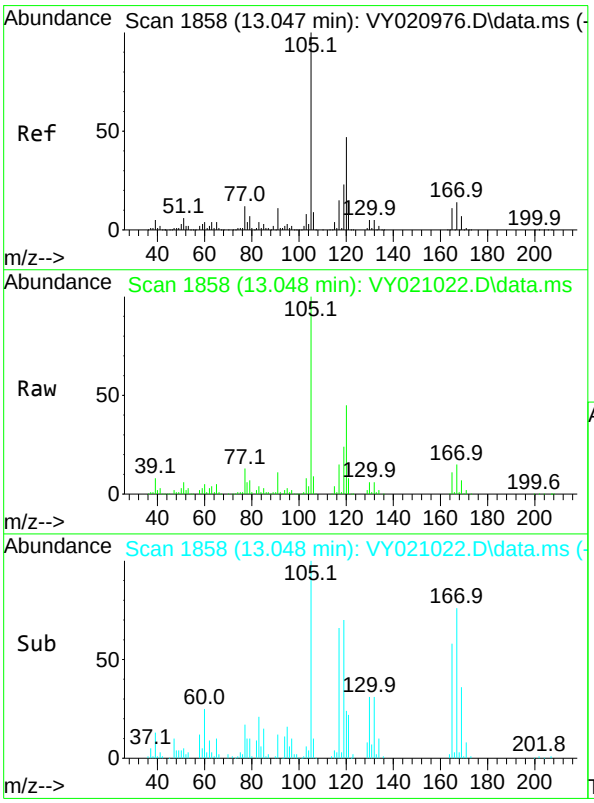

#83
tert-Butylbenzene
Concen: 20.651 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:119 Resp: 128881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.4 | 31.4 | 94.0 |
| 134 | 26.5 | 13.1 | 39.1 |

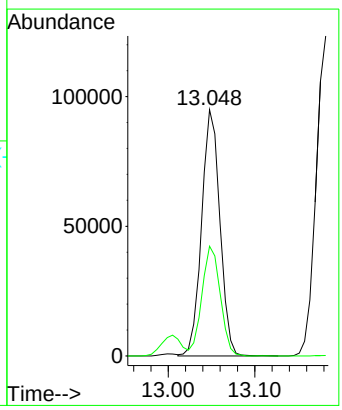


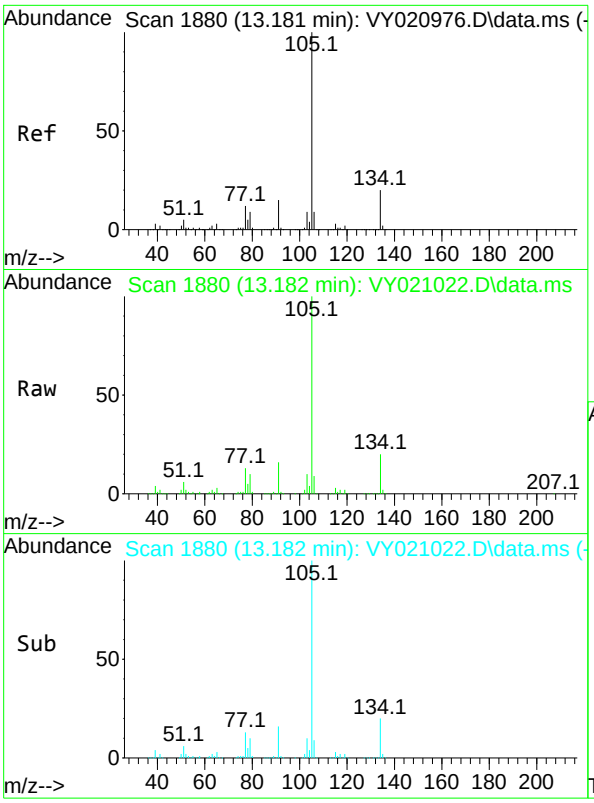




#84
1,2,4-Trimethylbenzene
Concen: 21.214 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:105 Resp: 139446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 22.7 | 68.0 |



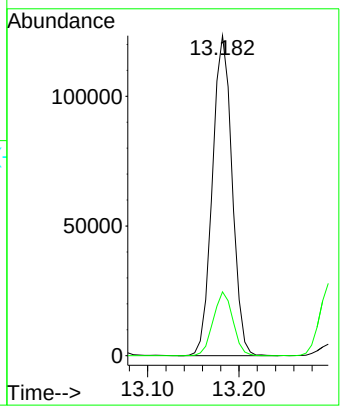


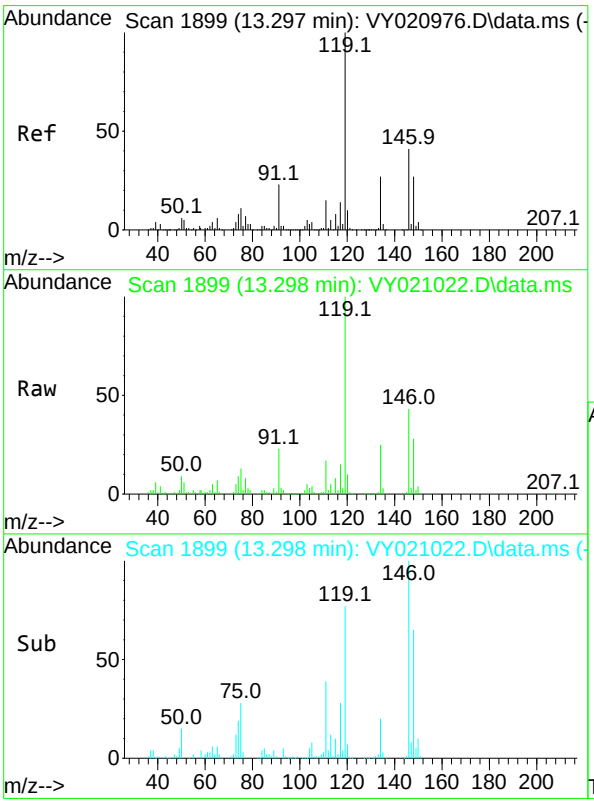

#85
sec-Butylbenzene
Concen: 20.943 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 185044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 10.3 | 30.8 |

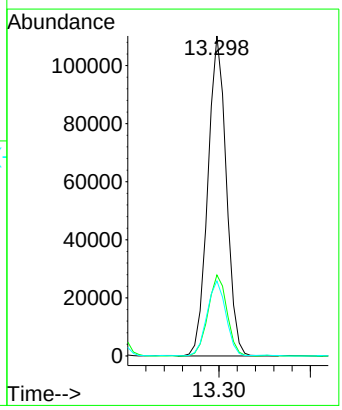


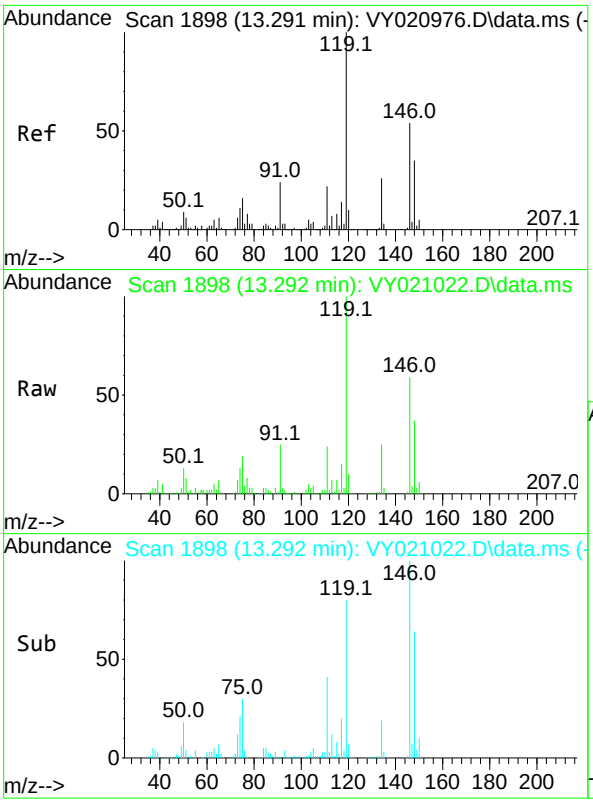




#86
p-Isopropyltoluene
Concen: 20.815 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:119 Resp: 154555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.1 | 39.3 |
| 91 | 23.8 | 11.5 | 34.5 |



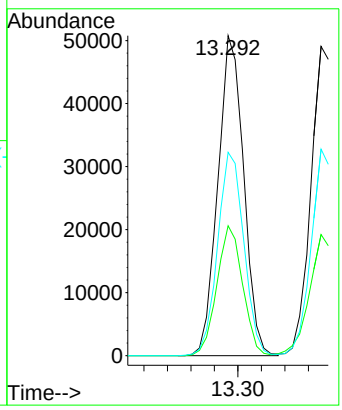


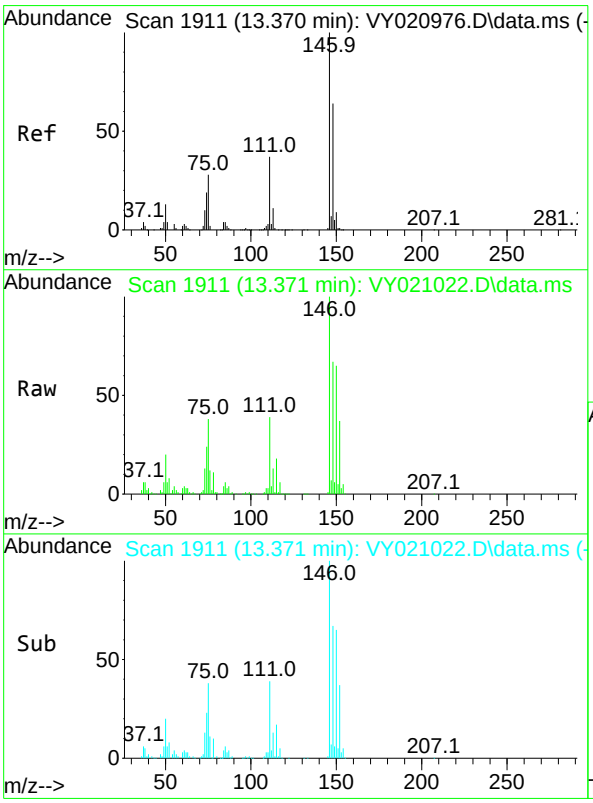

#87
1,3-Dichlorobenzene
Concen: 20.446 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 77631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 19.7 | 59.1 |
| 148 | 64.7 | 32.1 | 96.3 |

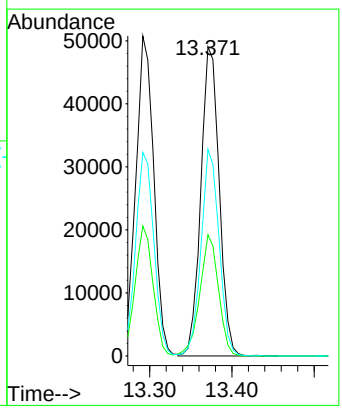


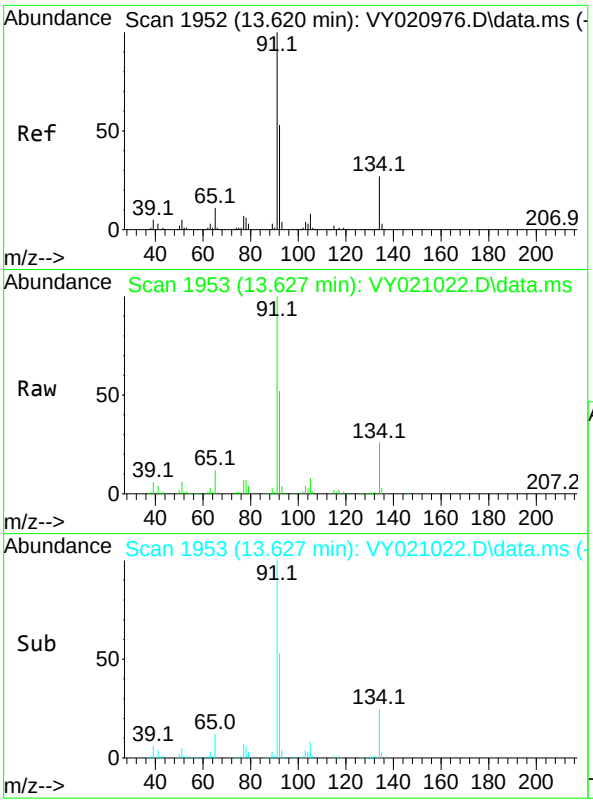




#88
1,4-Dichlorobenzene
Concen: 20.248 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:146 Resp: 76342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 19.0 | 57.0 |
| 148 | 65.6 | 31.6 | 95.0 |



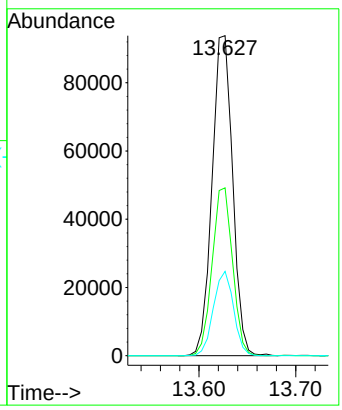


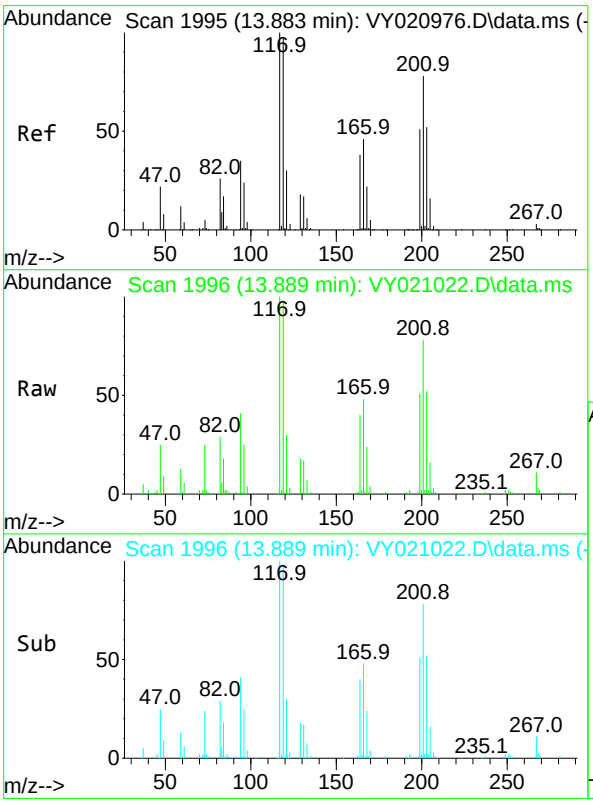

#89
n-Butylbenzene
Concen: 20.829 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 138532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.2 | 26.7 | 80.1 |
| 134 | 25.8 | 13.7 | 41.1 |

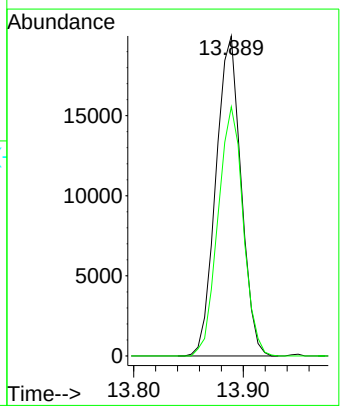


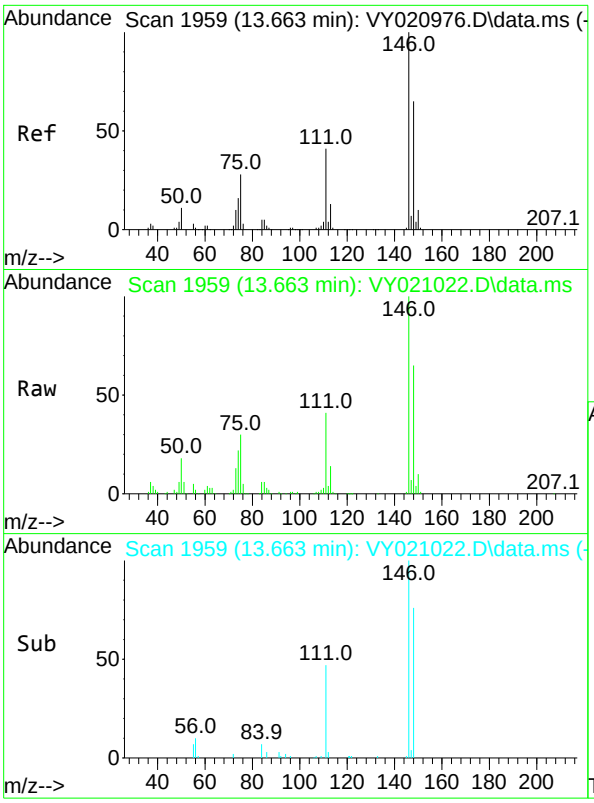




#90
Hexachloroethane
Concen: 21.166 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:117 Resp: 31796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.2 | 42.5 | 127.5 |



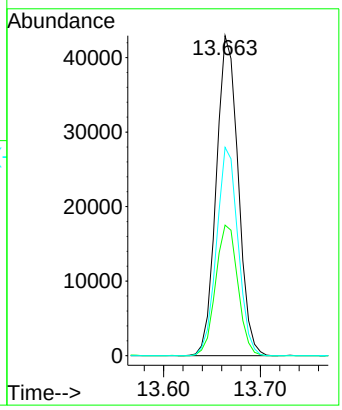


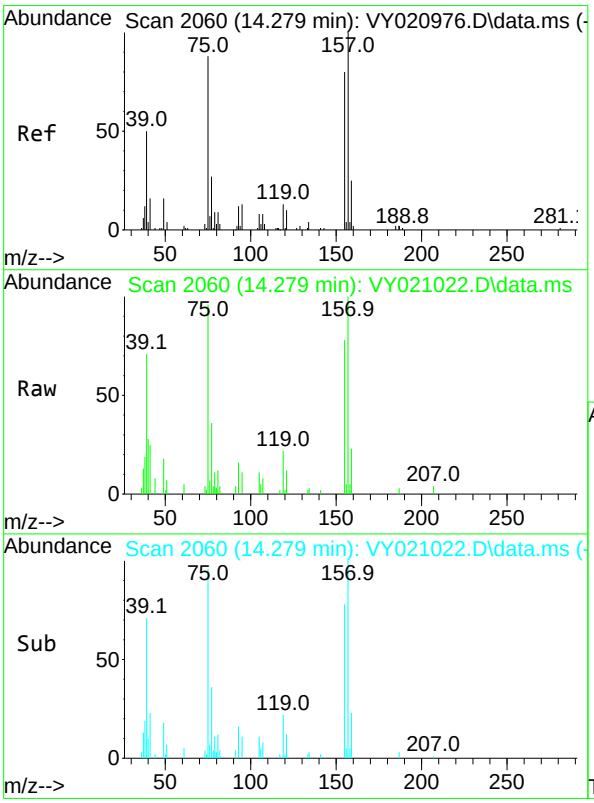

#91
1,2-Dichlorobenzene
Concen: 20.344 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 67363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 20.3 | 60.8 |
| 148 | 64.0 | 32.2 | 96.6 |

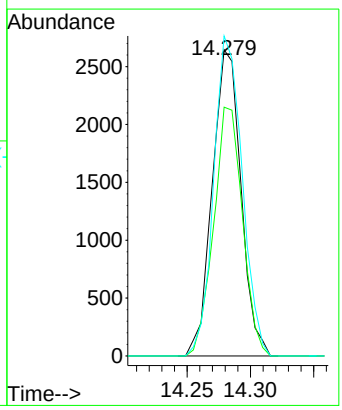


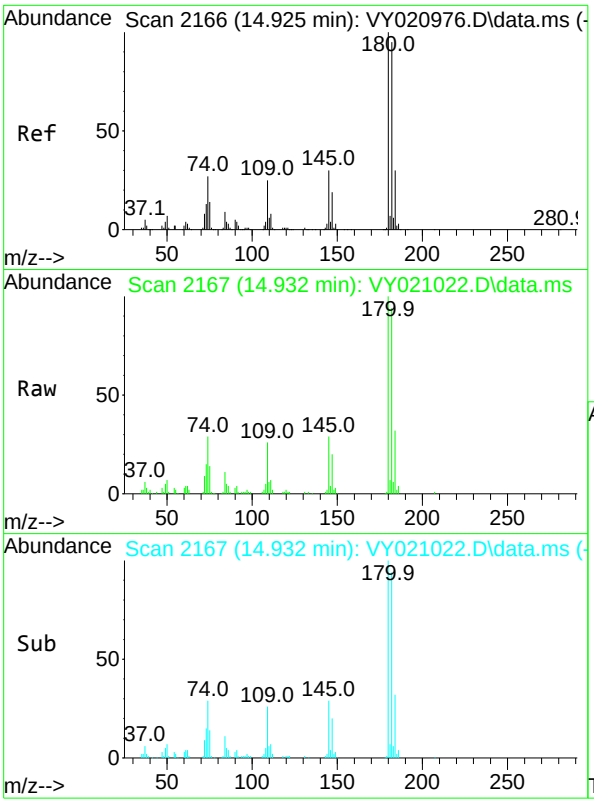




#92
1,2-Dibromo-3-Chloropropane
Concen: 20.380 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion: 75 Resp: 4160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.6 | 45.9 | 137.6 |
| 157 | 103.8 | 59.3 | 177.9 |



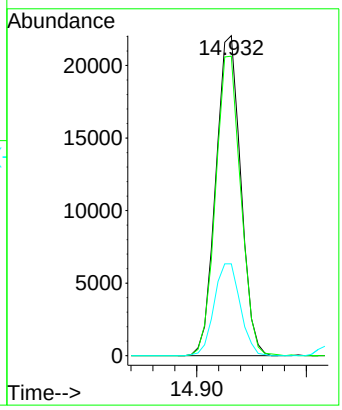


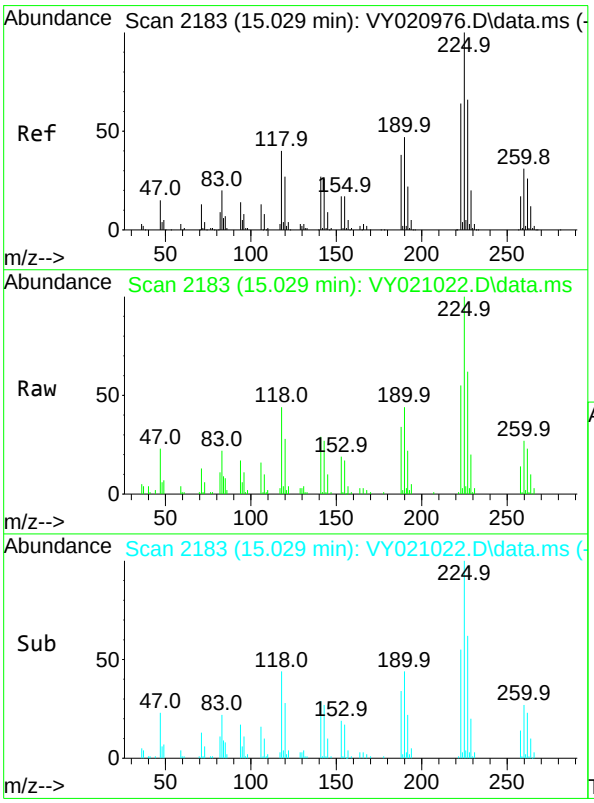

#93
1,2,4-Trichlorobenzene
Concen: 17.150 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:180 Resp: 34770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 48.3 | 144.8 |
| 145 | 30.1 | 15.3 | 45.8 |

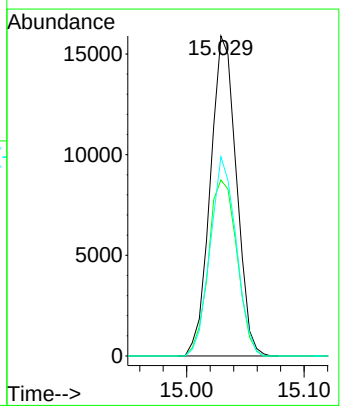


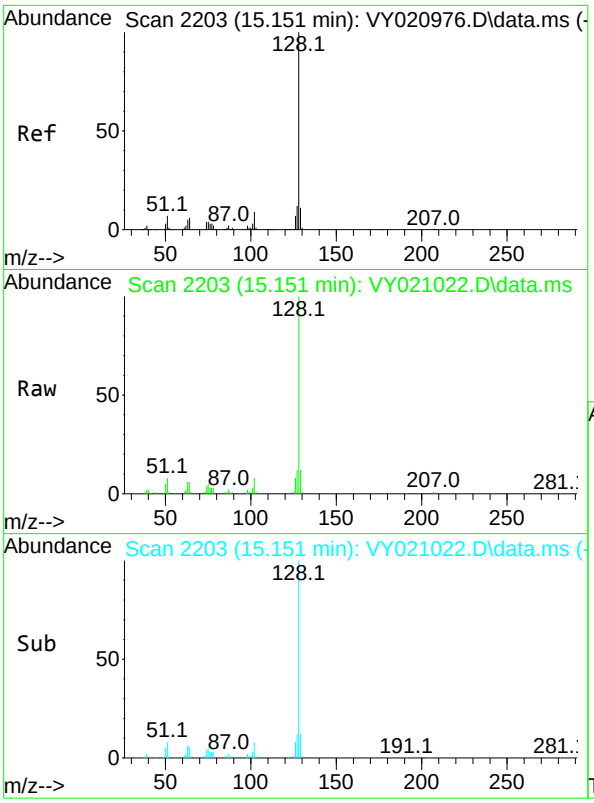




#94
Hexachlorobutadiene
Concen: 17.435 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:225 Resp: 24481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.2 | 31.4 | 94.2 |
| 227 | 62.1 | 31.8 | 95.3 |



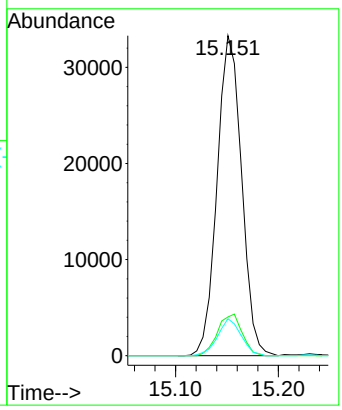


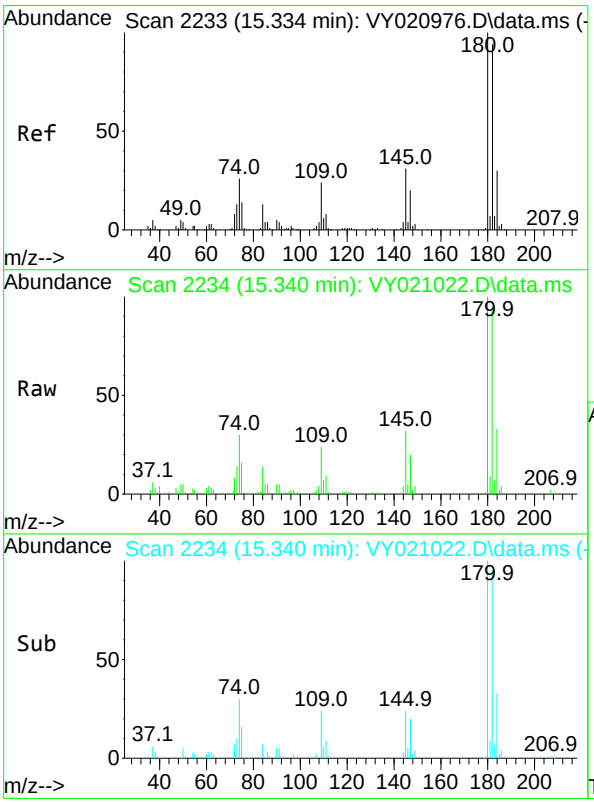

#95
Naphthalene
Concen: 16.886 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:128 Resp: 55021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.2 | 15.4 |
| 129 | 11.1 | 8.8 | 13.2 |

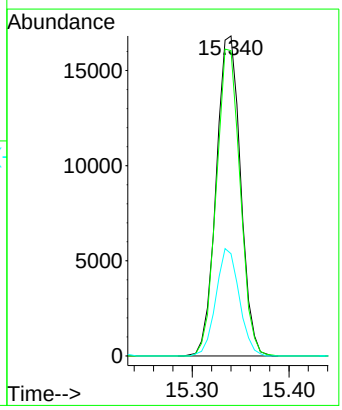



#96
1,2,3-Trichlorobenzene
Concen: 17.090 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021022.D
Acq: 03 Feb 2025 11:20

Tgt Ion:180 Resp: 29301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 47.7 | 143.1 |
| 145 | 32.3 | 15.6 | 46.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 185055 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 285755 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 250150 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152 | 121069 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 93084 | 59.079 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 118.160% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 89515 | 52.107 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 104.220% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 343592 | 51.243 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 102.480% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 115197 | 51.200 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = 102.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 82341 | 52.329 | ug/l | 100 |
| 3) Chloromethane | 2.074 | 50 | 77828 | 77.798 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 78456 | 76.063 | ug/l | 100 |
| 5) Bromomethane | 2.605 | 94 | 47661 | 68.257 | ug/l | 99 |
| 6) Chloroethane | 2.739 | 64 | 47159 | 78.268 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 146090 | 58.690 | ug/l | 98 |
| 8) Diethyl Ether | 3.464 | 74 | 44796 | 60.281 | ug/l | 86 |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 91456 | 54.564 | ug/l | 95 |
| 10) Methyl Iodide | 4.013 | 142 | 108576 | 56.607 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.872 | 59 | 29518 | 256.470 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 3.800 | 96 | 86860 | 55.452 | ug/l | 92 |
| 13) Acrolein | 3.659 | 56 | 48444 | 365.513 | ug/l | 98 |
| 14) Allyl chloride | 4.391 | 41 | 148096 | 68.676 | ug/l | 93 |
| 15) Acrylonitrile | 5.061 | 53 | 98437 | 322.040 | ug/l | 99 |
| 16) Acetone | 3.879 | 43 | 71701 | 333.889 | ug/l | 93 |
| 17) Carbon Disulfide | 4.117 | 76 | 272934 | 56.574 | ug/l | 99 |
| 18) Methyl Acetate | 4.397 | 43 | 53193 | 70.789 | ug/l | 92 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 225045 | 61.726 | ug/l | 99 |
| 20) Methylene Chloride | 4.623 | 84 | 89716 | 56.645 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 96653 | 57.552 | ug/l | 92 |
| 22) Diisopropyl ether | 6.025 | 45 | 308181 | 70.111 | ug/l | 96 |
| 23) Vinyl Acetate | 5.970 | 43 | 876749 | 360.173 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 5.921 | 63 | 175291 | 61.815 | ug/l | 100 |
| 25) 2-Butanone | 6.903 | 43 | 124949 | 342.981 | ug/l | 94 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 160962 | 57.651 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.897 | 96 | 110873 | 57.437 | ug/l | 94 |
| 28) Bromochloromethane | 7.250 | 49 | 76460 | 72.370 | ug/l | 84 |
| 29) Tetrahydrofuran | 7.262 | 42 | 84863 | 346.176 | ug/l | 91 |
| 30) Chloroform | 7.427 | 83 | 181725 | 59.167 | ug/l | 96 |
| 31) Cyclohexane | 7.707 | 56 | 153013 | 55.203 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 168751 | 56.771 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 132425 | 54.034 | ug/l | 98 |
| 37) Ethyl Acetate | 6.988 | 43 | 60168 | 65.852 | ug/l | 95 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 156282 | 51.530 | ug/l | 99 |
| 39) Methylcyclohexane | 9.116 | 83 | 168118 | 51.064 | ug/l | 95 |
| 40) Benzene | 8.085 | 78 | 393690 | 54.594 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.226 | 41 | 31701 | 62.707 ug/l | | 93 |
| 42) 1,2-Dichloroethane | 8.165 | 62 | 108251 | 59.191 ug/l | | 99 |
| 43) Isopropyl Acetate | 8.201 | 43 | 120630 | 66.087 ug/l | | 96 |
| 44) Trichloroethene | 8.872 | 130 | 99733 | 50.121 ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 93348 | 57.754 ug/l | | 99 |
| 46) Dibromomethane | 9.238 | 93 | 51734 | 55.001 ug/l | | 95 |
| 47) Bromodichloromethane | 9.427 | 83 | 137852 | 55.807 ug/l | | 97 |
| 48) Methyl methacrylate | 9.225 | 41 | 54848 | 63.113 ug/l | | 91 |
| 49) 1,4-Dioxane | 9.231 | 88 | 10030 | 1003.514 ug/l | # | 91 |
| 51) 4-Methyl-2-Pentanone | 10.000 | 43 | 308616 | 329.038 ug/l | | 95 |
| 52) Toluene | 10.176 | 92 | 250280 | 53.469 ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 128314 | 57.403 ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 149965 | 56.133 ug/l | # | 91 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 67249 | 53.761 ug/l | | 99 |
| 56) Ethyl methacrylate | 10.445 | 69 | 96579 | 59.067 ug/l | # | 88 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 117634 | 55.483 ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 224134 | 322.966 ug/l | | 95 |
| 59) 2-Hexanone | 10.768 | 43 | 205217 | 336.612 ug/l | | 92 |
| 60) Dibromochloromethane | 10.914 | 129 | 93957 | 52.680 ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 64333 | 53.845 ug/l | | 98 |
| 64) Tetrachloroethene | 10.652 | 164 | 90228 | 47.817 ug/l | | 98 |
| 65) Chlorobenzene | 11.445 | 112 | 270176 | 51.263 ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 95653 | 51.137 ug/l | | 97 |
| 67) Ethyl Benzene | 11.524 | 91 | 486059 | 53.265 ug/l | | 100 |
| 68) m/p-Xylenes | 11.633 | 106 | 366509 | 104.538 ug/l | | 98 |
| 69) o-Xylene | 11.963 | 106 | 170229 | 52.229 ug/l | | 96 |
| 70) Styrene | 11.975 | 104 | 289102 | 53.426 ug/l | | 98 |
| 71) Bromoform | 12.133 | 173 | 54130 | 49.101 ug/l | # | 98 |
| 73) Isopropylbenzene | 12.261 | 105 | 461198 | 54.240 ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 107371 | 69.346 ug/l | | 92 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 76500 | 55.736 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 102300 | 106.739 ug/l | # | 100 |
| 77) Bromobenzene | 12.536 | 156 | 104605 | 51.889 ug/l | | 93 |
| 78) n-propylbenzene | 12.603 | 91 | 554600 | 55.653 ug/l | | 98 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 312917 | 55.113 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 376397 | 54.032 ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 26957 | 58.386 ug/l | | 91 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 316855 | 54.527 ug/l | | 100 |
| 83) tert-Butylbenzene | 13.005 | 119 | 347315 | 53.757 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 370408 | 54.433 ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 488820 | 53.440 ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 414156 | 53.878 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 203767 | 51.839 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 201529 | 51.631 ug/l | | 100 |
| 89) n-Butylbenzene | 13.621 | 91 | 381707 | 55.439 ug/l | | 99 |
| 90) Hexachloroethane | 13.889 | 117 | 84237 | 54.167 ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 13.664 | 146 | 176718 | 51.554 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 11716 | 55.445 ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 14.926 | 180 | 105932 | 50.473 ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 67092 | 46.155 ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 180166 | 53.412 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 88730 | 49.991 ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

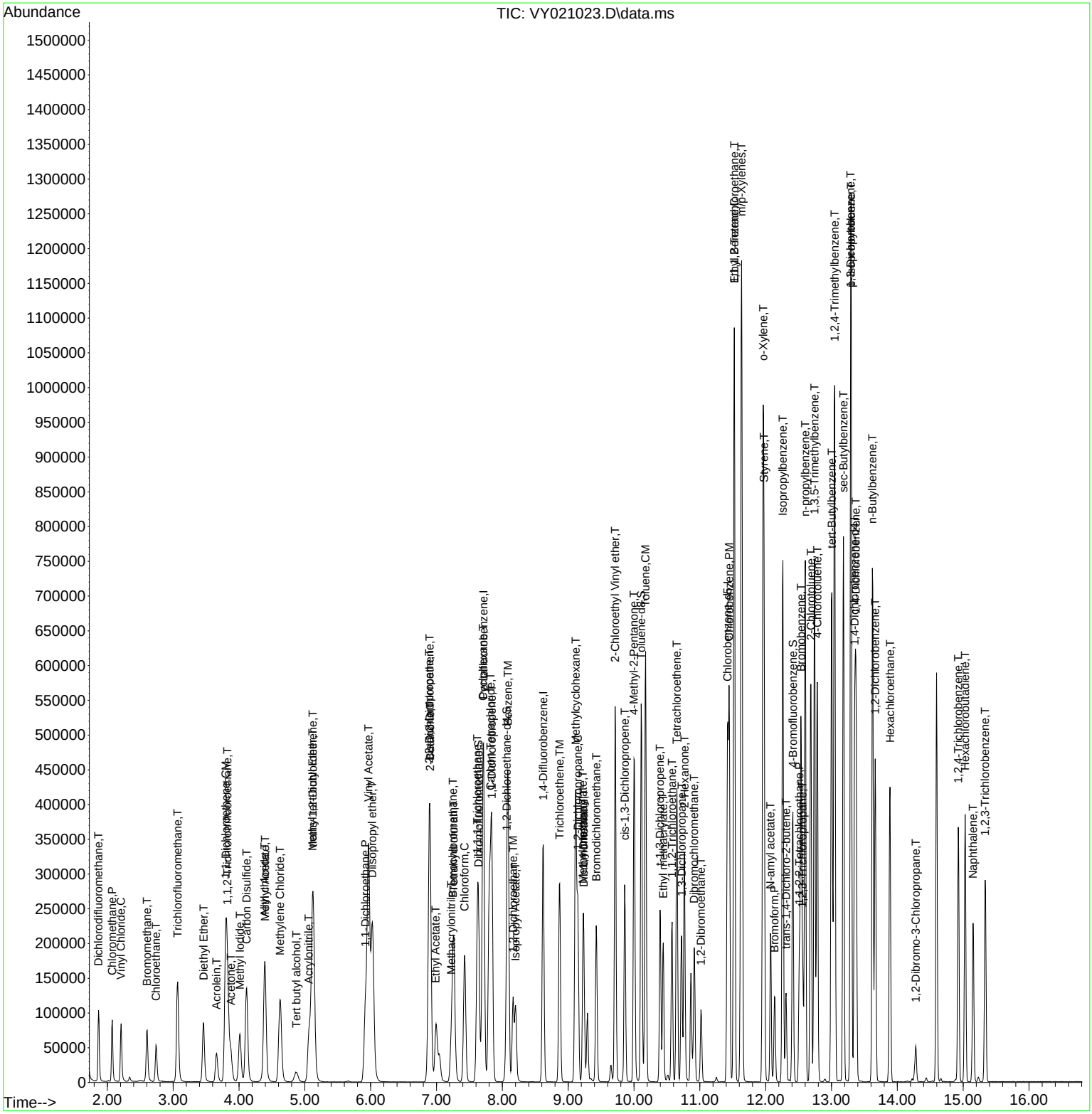
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

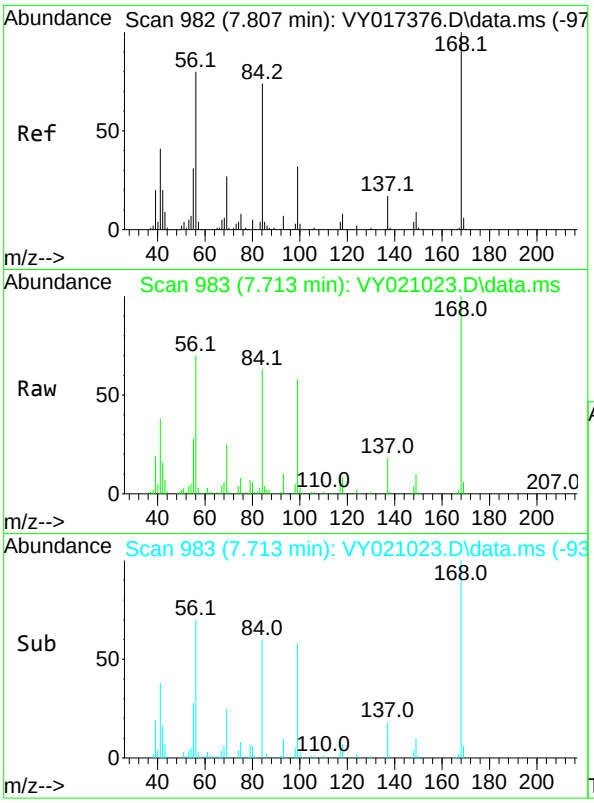
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021023.D
Acq On : 03 Feb 2025 11:43
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Quant Time: Feb 03 12:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration



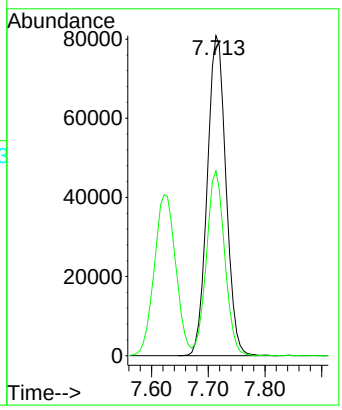


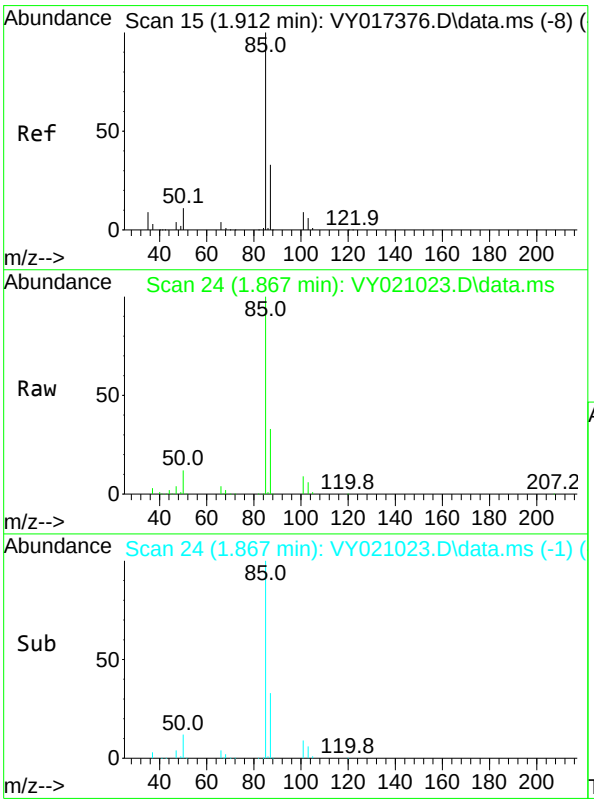

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:168 Resp: 185055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.7 | 42.2 | 63.2 |

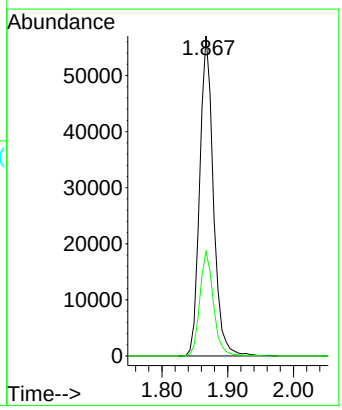


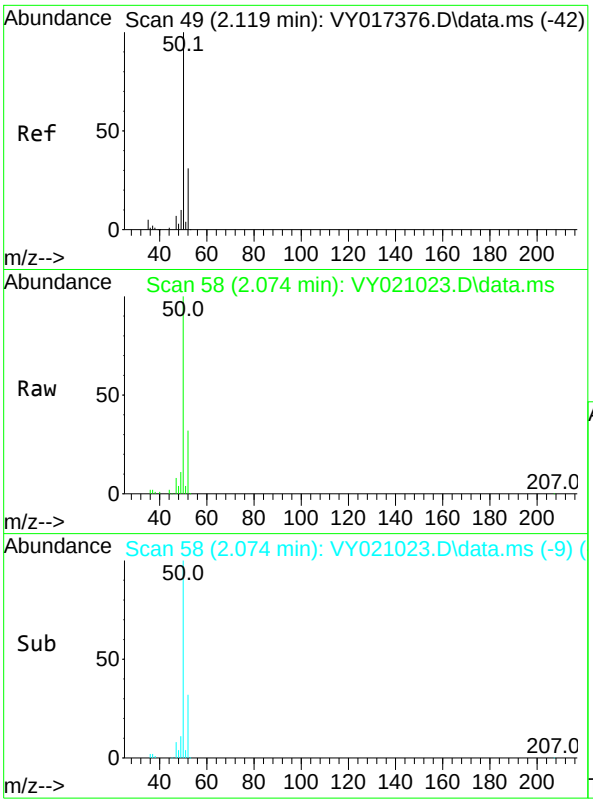




#2
Dichlorodifluoromethane
Concen: 52.329 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 85 Resp: 82341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 16.3 | 48.9 |



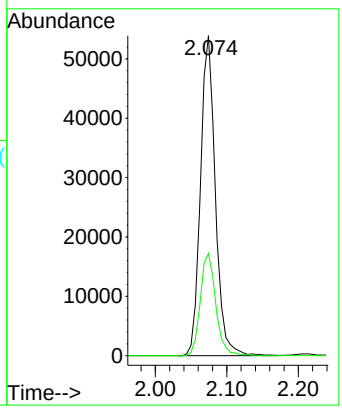


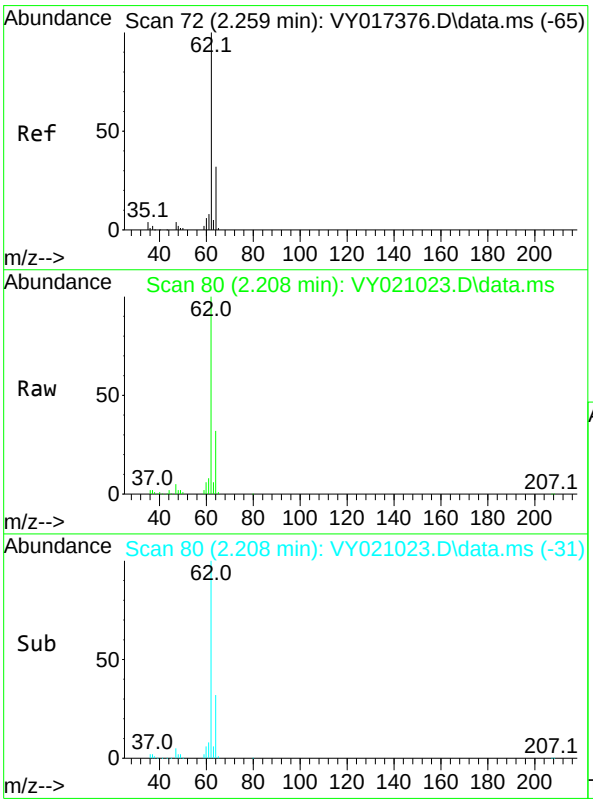

#3
Chloromethane
Concen: 77.798 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 50 Resp: 77828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.3 | 39.5 |

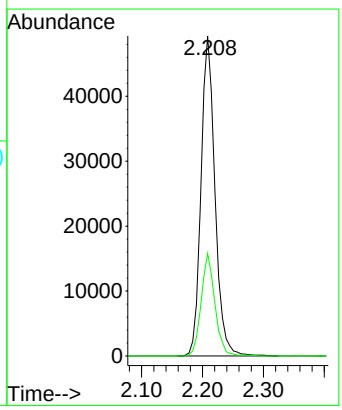


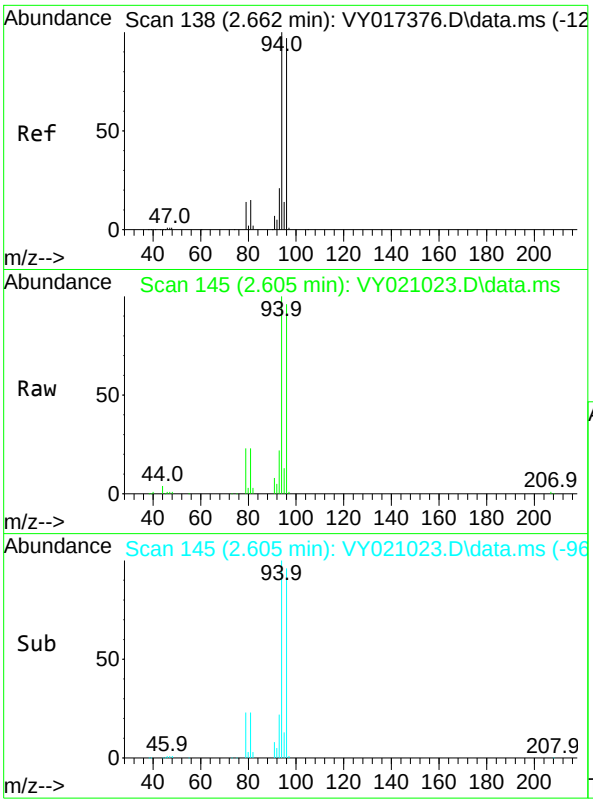




#4
Vinyl Chloride
Concen: 76.063 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 62 Resp: 78456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 25.4 | 38.2 |



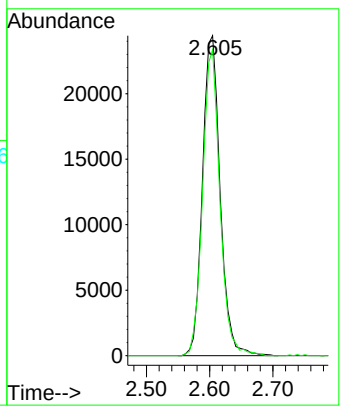


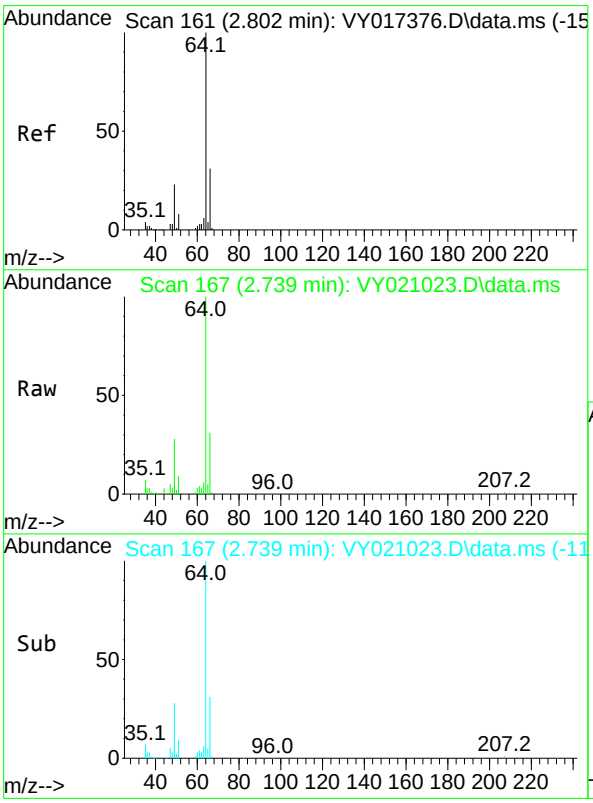

#5
Bromomethane
Concen: 68.257 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 94 Resp: 47661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.6 | 77.4 | 116.0 |

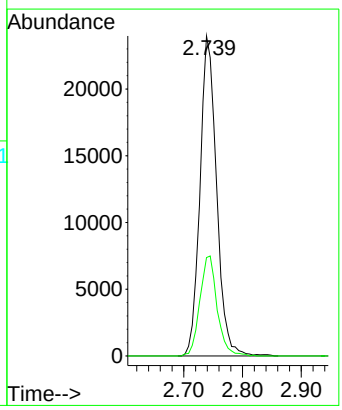


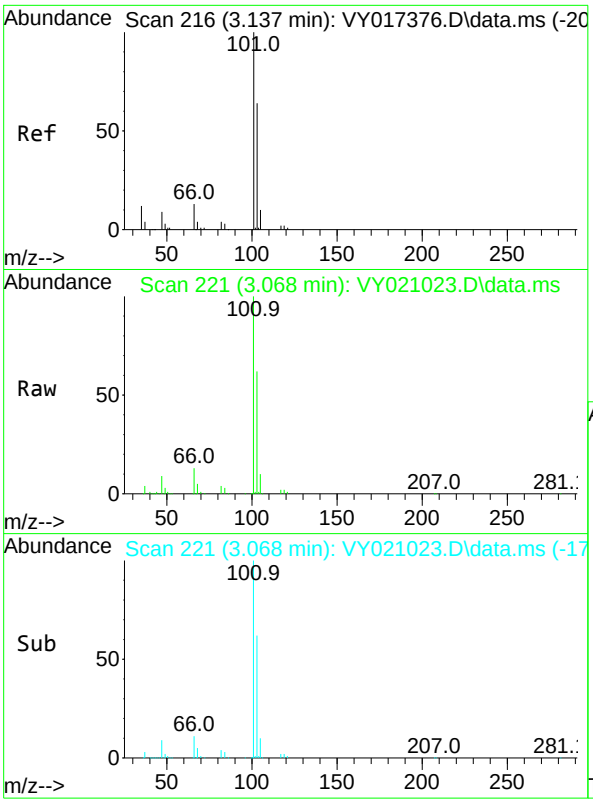




#6
Chloroethane
Concen: 78.268 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 64 Resp: 47159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.7 | 25.0 | 37.4 |



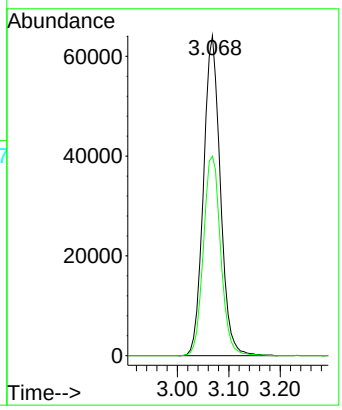


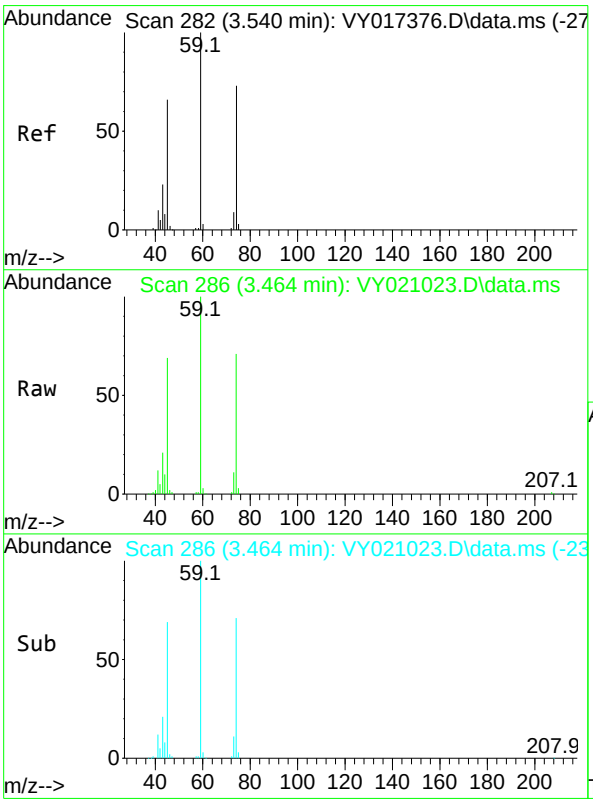

#7
Trichlorofluoromethane
Concen: 58.690 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 146090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.4 | 50.9 | 76.3 |

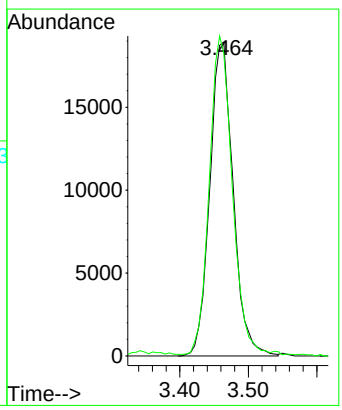


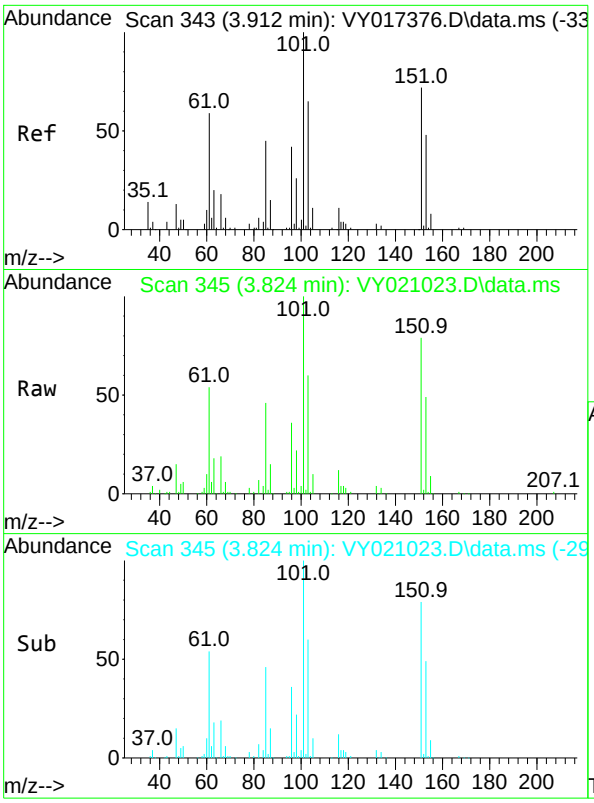




#8
Diethyl Ether
Concen: 60.281 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 74 Resp: 44796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.0 | 43.4 | 130.2 |



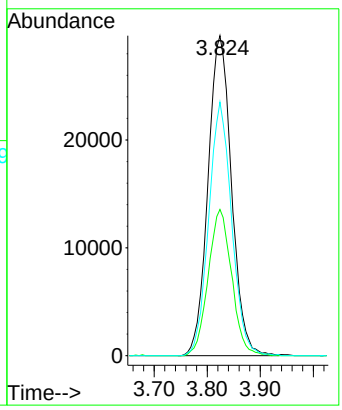


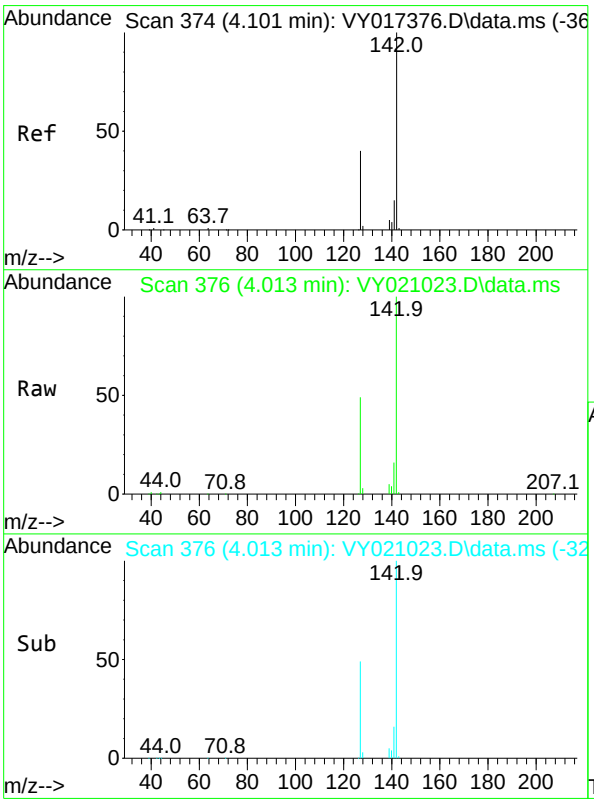

#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.564 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 91456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.5 | 34.9 | 52.3 |
| 151 | 77.5 | 66.8 | 100.2 |

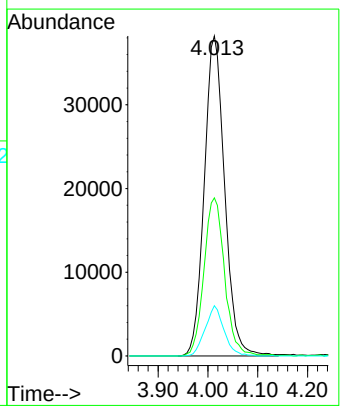


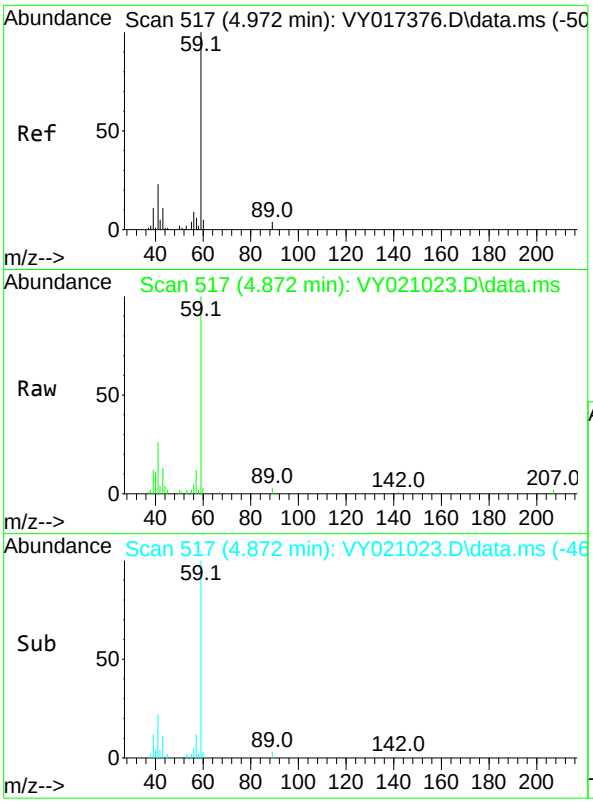




#10
Methyl Iodide
Concen: 56.607 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:142 Resp: 108576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.8 | 38.9 | 58.3 |
| 141 | 14.5 | 11.7 | 17.5 |



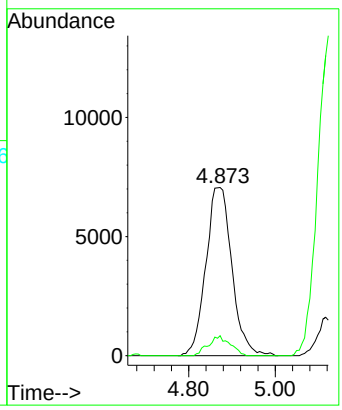


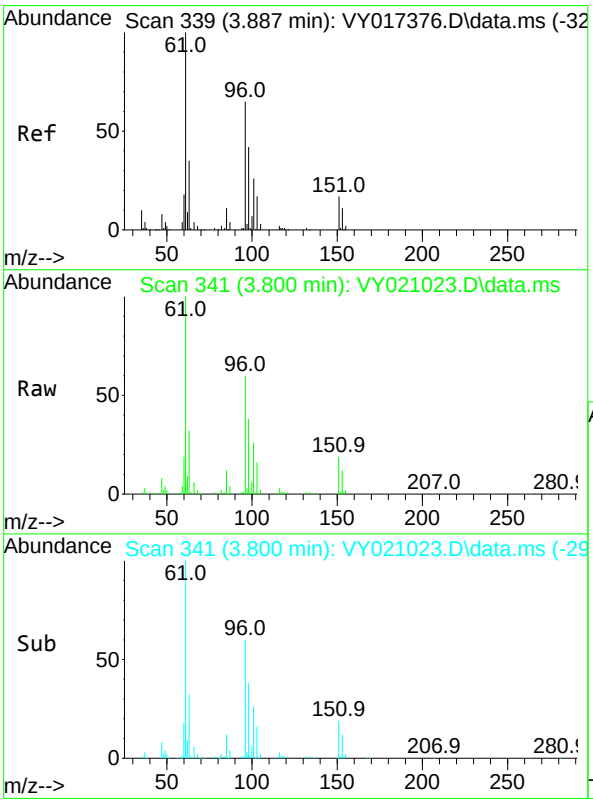

#11
Tert butyl alcohol
Concen: 256.470 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 59 Resp: 29518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 7.8 | 11.8 |

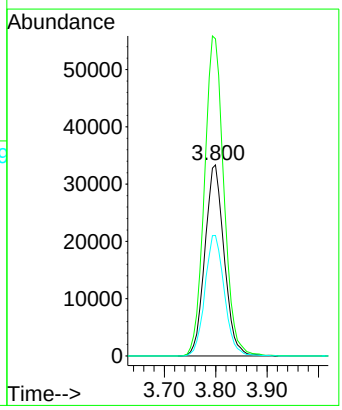


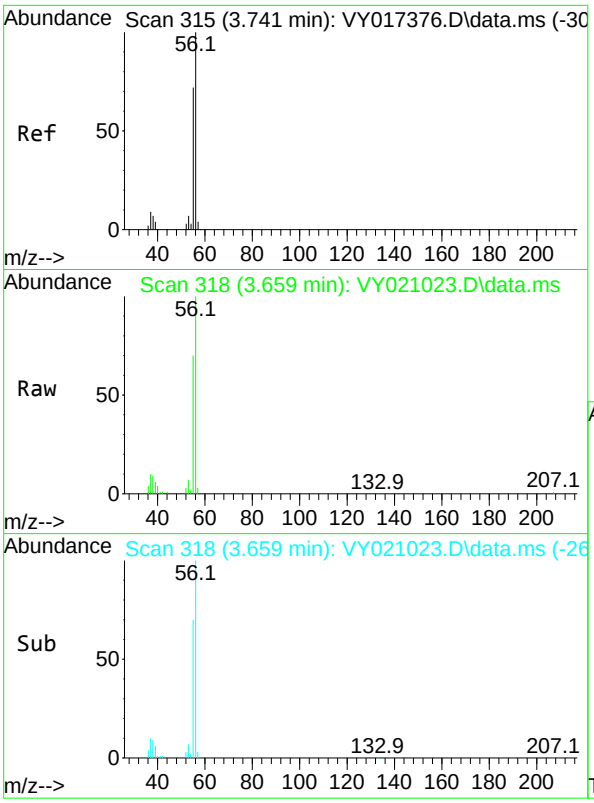




#12
1,1-Dichloroethene
Concen: 55.452 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 96 Resp: 86860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.1 | 120.8 | 181.2 |
| 98 | 63.1 | 50.6 | 76.0 |



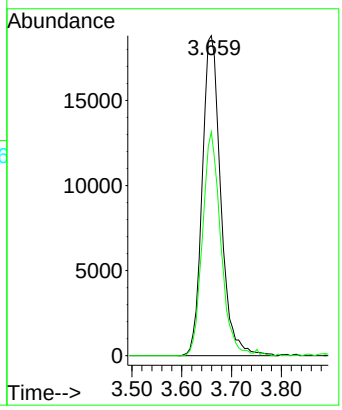


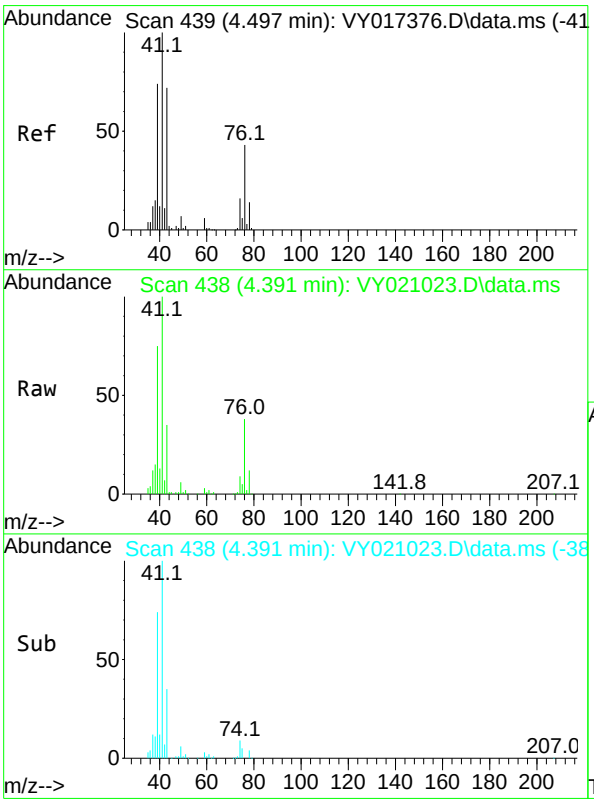

#13
Acrolein
Concen: 365.513 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 48444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.6 | 56.1 | 84.1 |

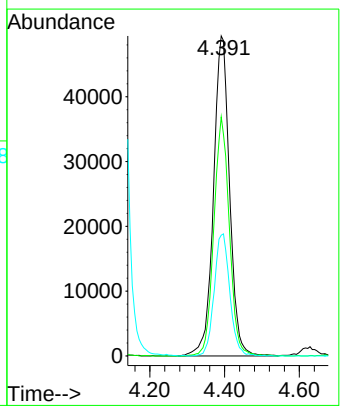


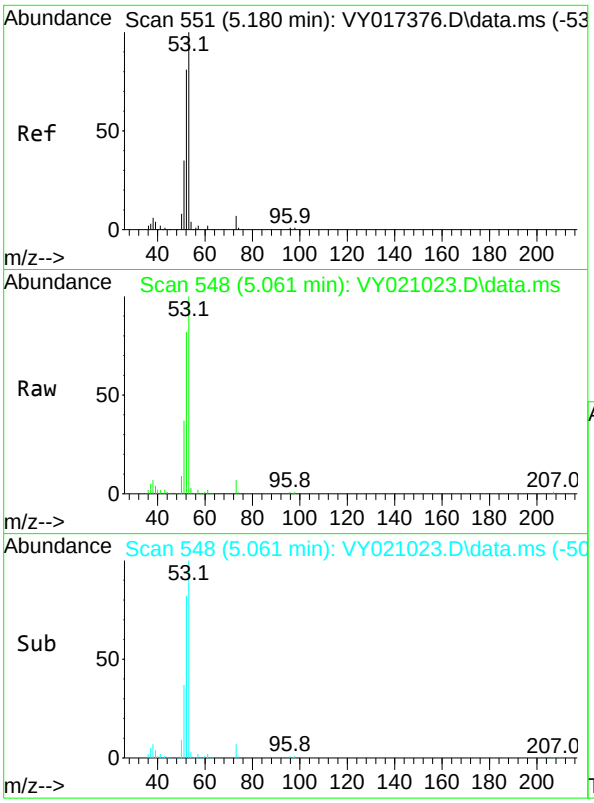




#14
Allyl chloride
Concen: 68.676 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 148096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.5 | 53.5 | 80.3 |
| 76 | 37.1 | 34.6 | 52.0 |



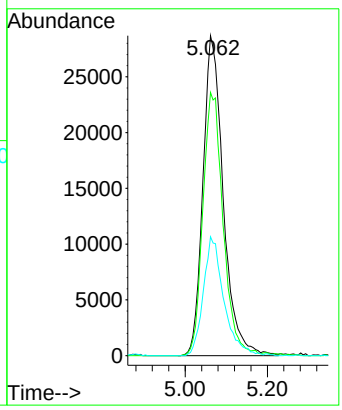


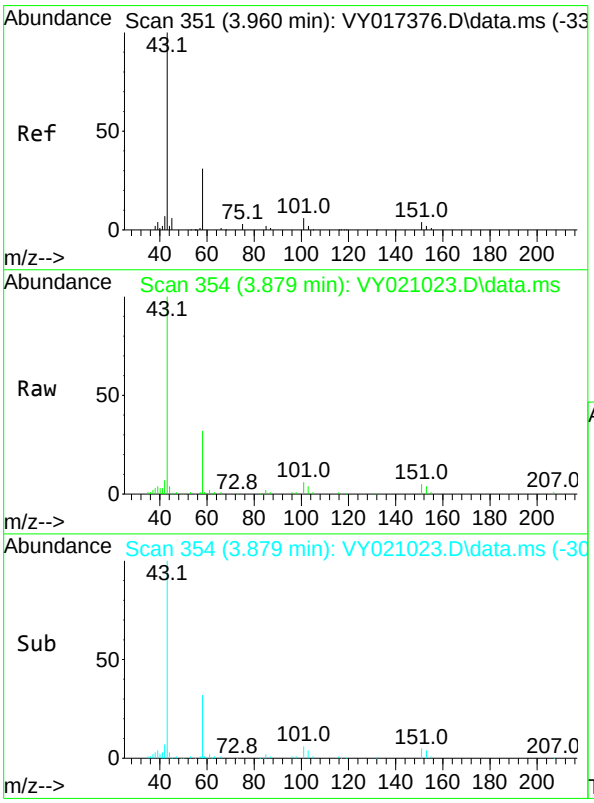

#15
Acrylonitrile
Concen: 322.040 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 53 Resp: 98437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.9 | 66.2 | 99.4 |
| 51 | 37.4 | 29.4 | 44.0 |

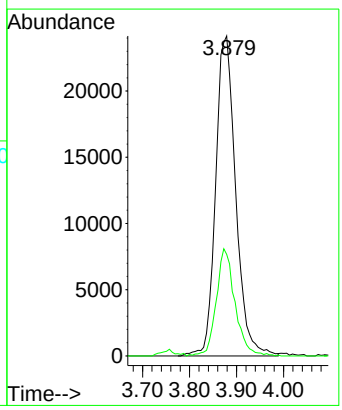


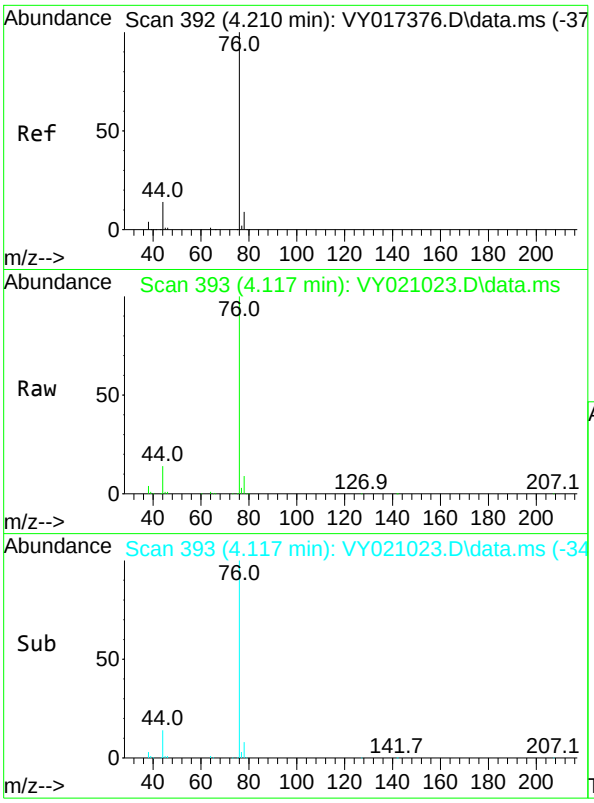




#16
Acetone
Concen: 333.889 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 71701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 28.4 | 42.6 |



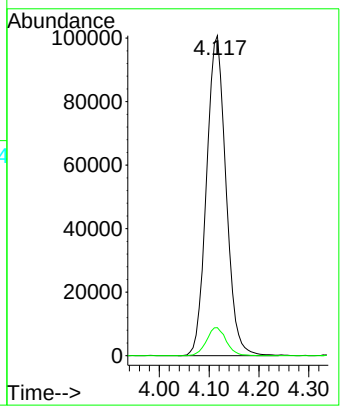


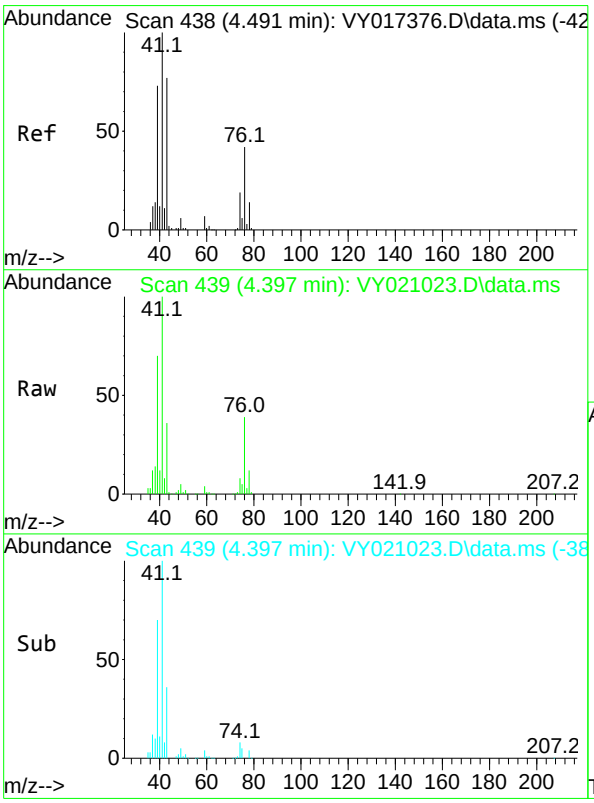

#17
Carbon Disulfide
Concen: 56.574 ug/l
RT: 4.117 min Scan# 3
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 272934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.3 | 10.9 |

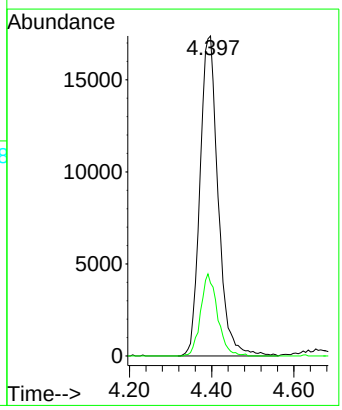


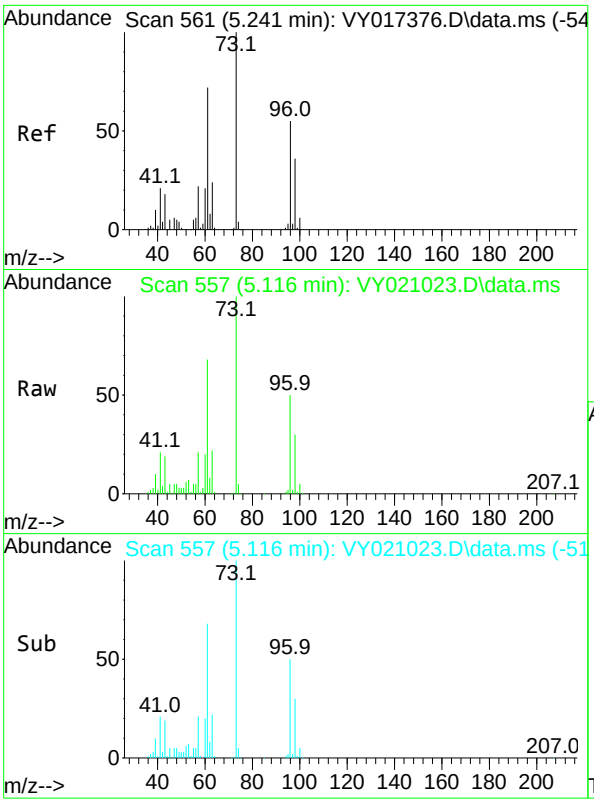




#18
Methyl Acetate
Concen: 70.789 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 53193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.8 | 22.2 | 33.4 |



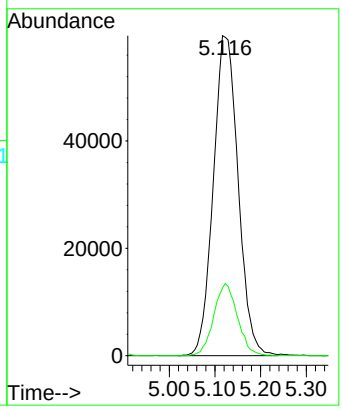


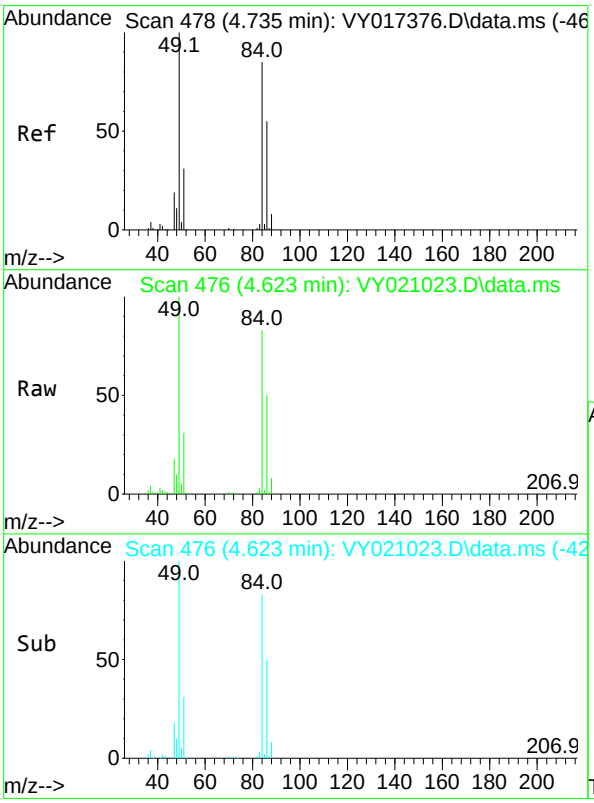

#19
Methyl tert-butyl Ether
Concen: 61.726 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 73 Resp: 225045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 16.6 | 25.0 |

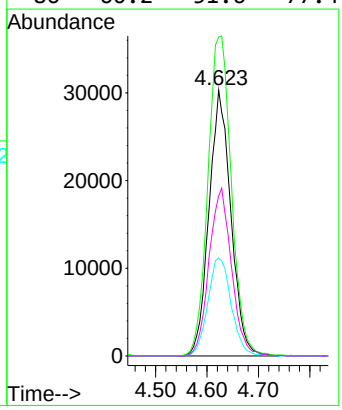


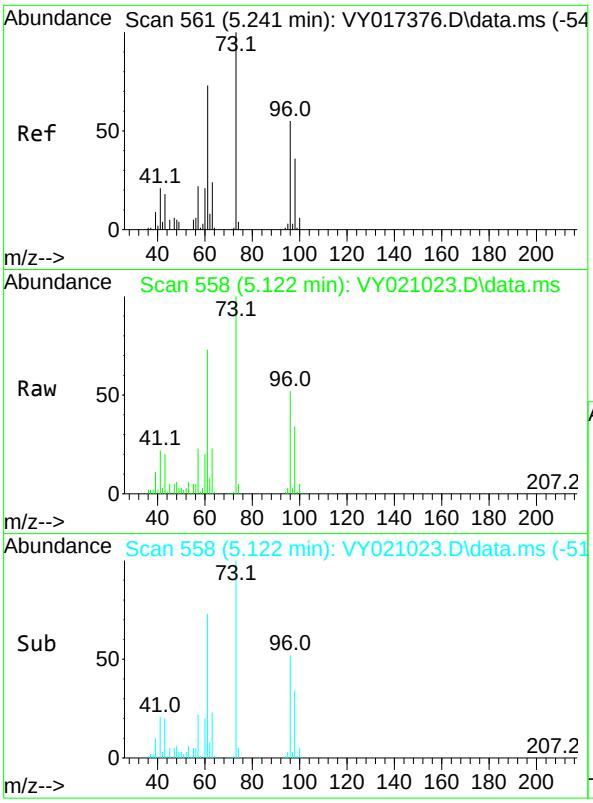




#20
Methylene Chloride
Concen: 56.645 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 84 Resp: 89716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.0 | 88.3 | 132.5 |
| 51 | 36.8 | 27.7 | 41.5 |
| 86 | 60.2 | 51.6 | 77.4 |



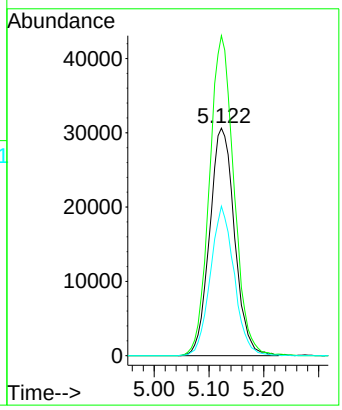


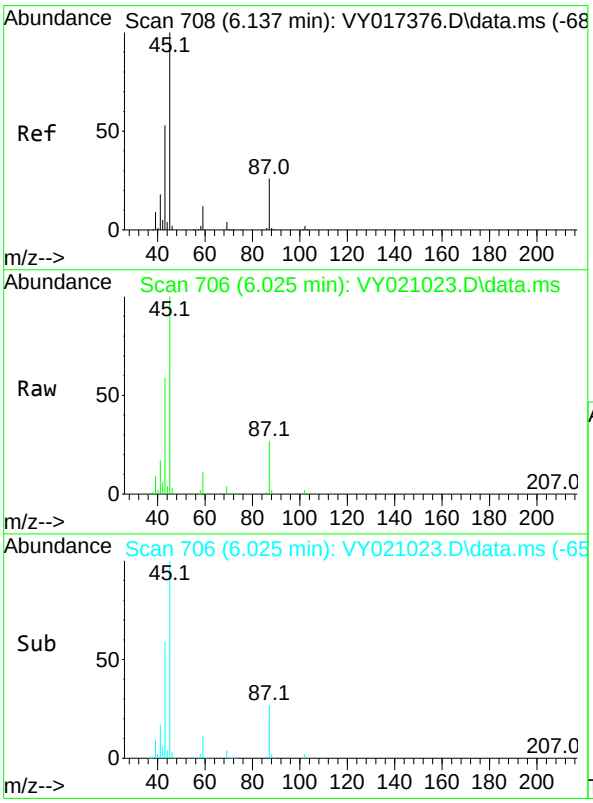

#21
trans-1,2-Dichloroethene
Concen: 57.552 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 96653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.7 | 101.5 | 152.3 |
| 98 | 65.7 | 52.0 | 78.0 |

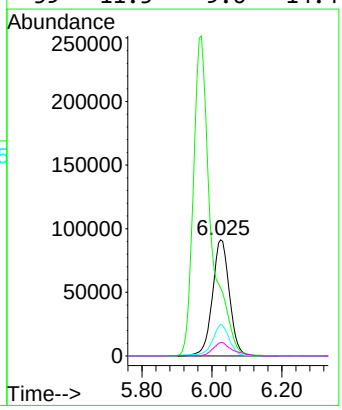


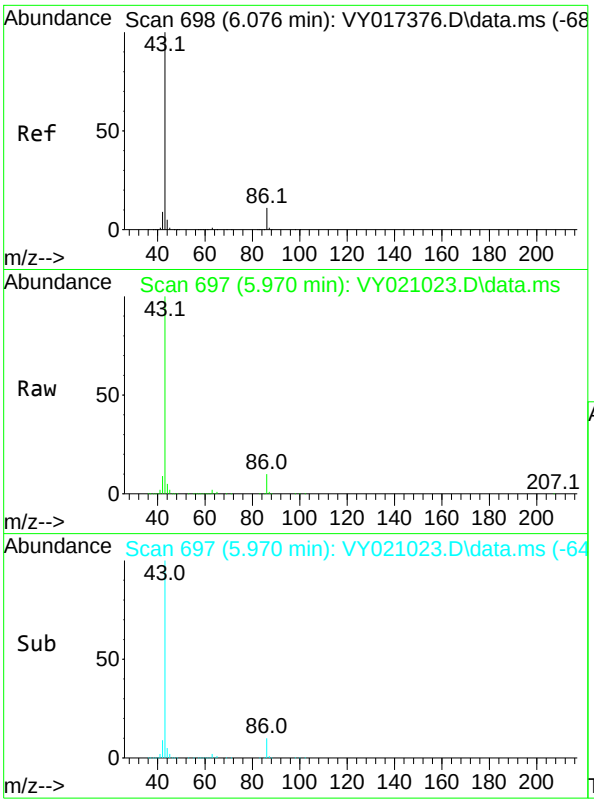




#22
Diisopropyl ether
Concen: 70.111 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 45 Resp: 308181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 58.4 | 45.1 | 67.7 |
| 87 | 27.2 | 25.0 | 37.4 |
| 59 | 11.5 | 9.6 | 14.4 |



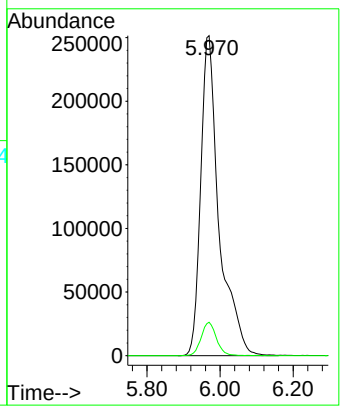


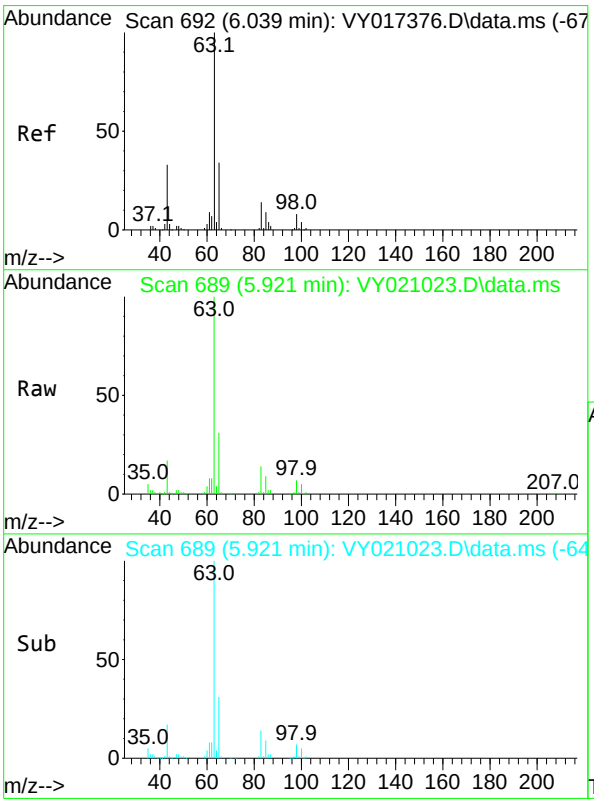

#23
Vinyl Acetate
Concen: 360.173 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 876749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 9.7 | 14.5 |

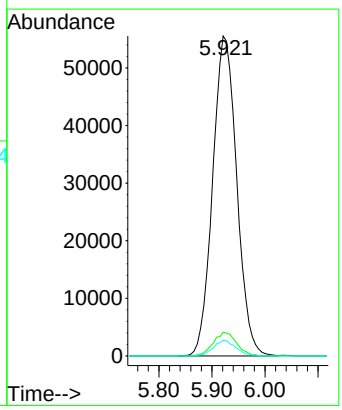


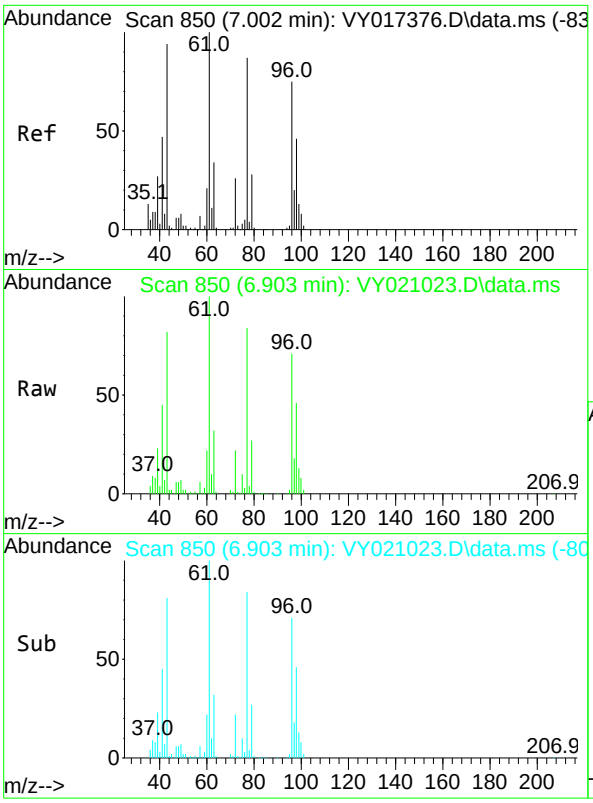




#24
1,1-Dichloroethane
Concen: 61.815 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 175291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.7 | 11.1 |
| 100 | 4.9 | 2.4 | 7.2 |



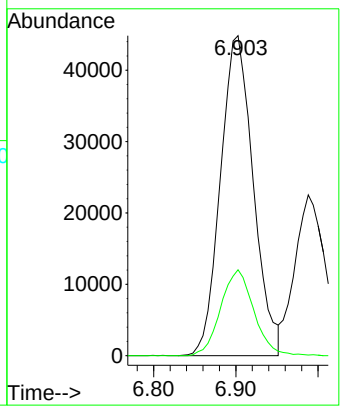


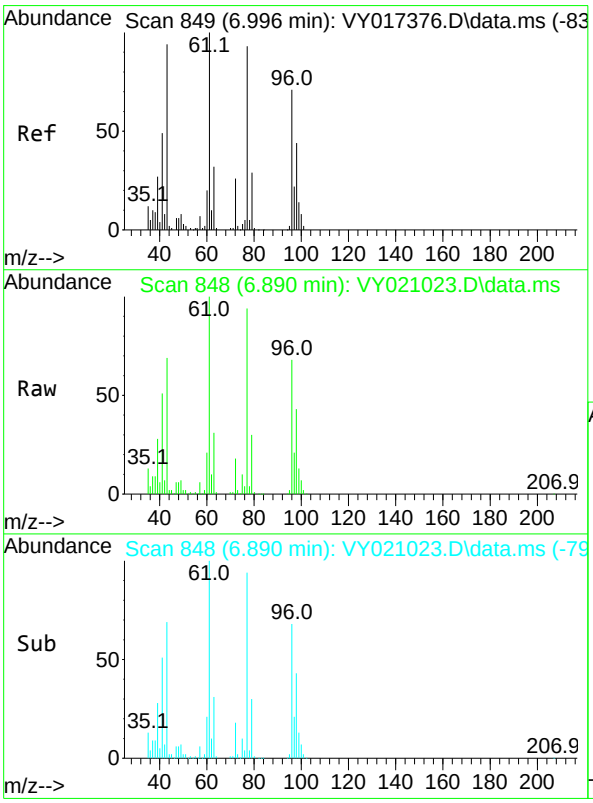

#25
2-Butanone
Concen: 342.981 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 124949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.9 | 24.3 | 36.5 |

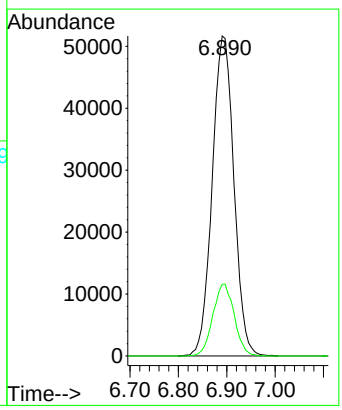


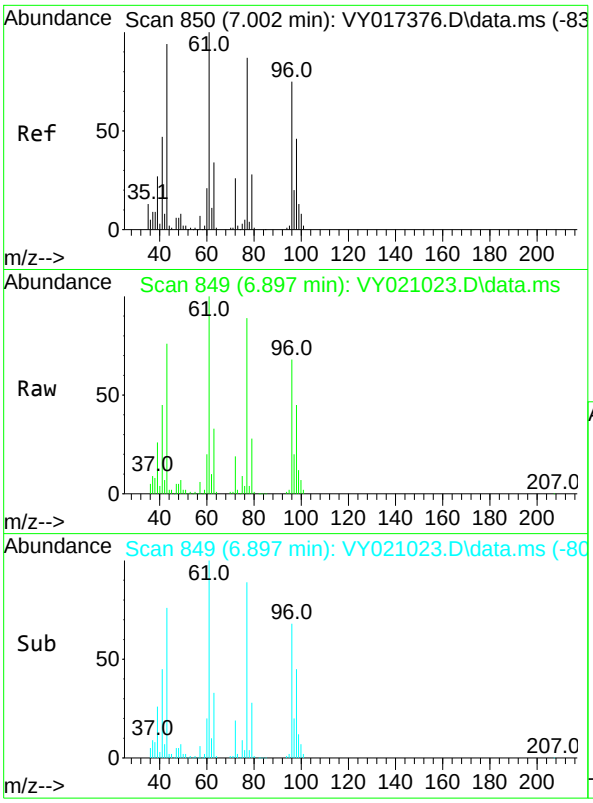




#26
2,2-Dichloropropane
Concen: 57.651 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 77 Resp: 160962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 11.4 | 34.2 |



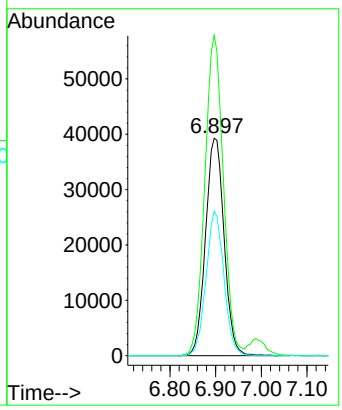


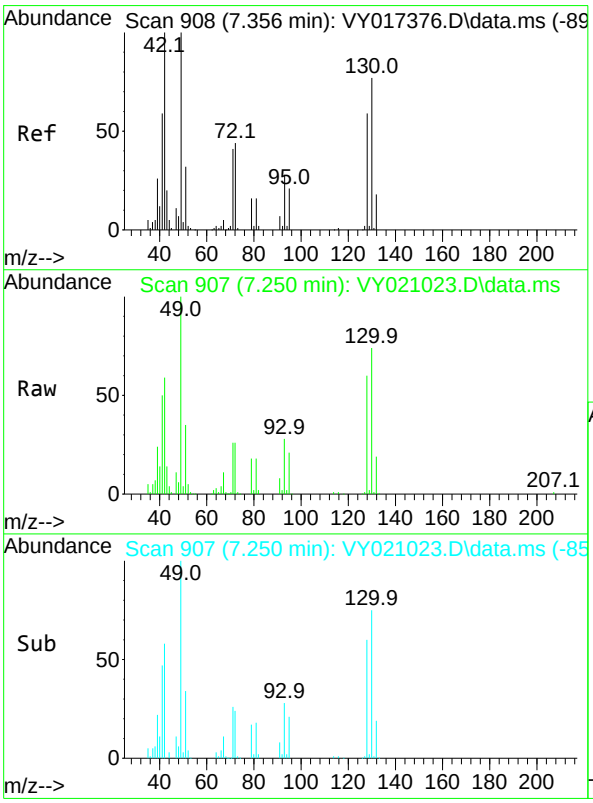

#27
cis-1,2-Dichloroethene
Concen: 57.437 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 110873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.1 | 0.0 | 274.0 |
| 98 | 64.0 | 0.0 | 130.4 |

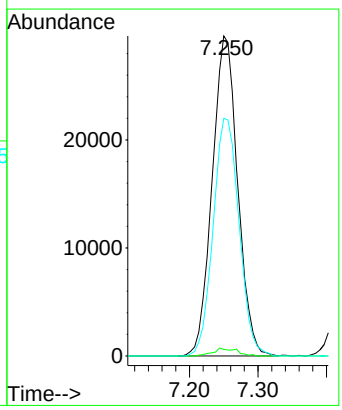


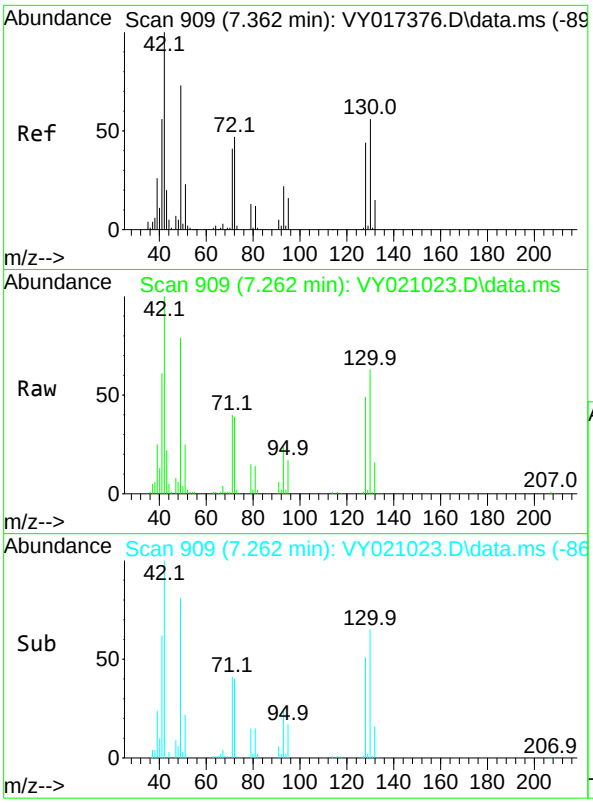




#28
Bromochloromethane
Concen: 72.370 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 49 Resp: 76460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 5.0 |
| 130 | 75.5 | 73.2 | 109.8 |



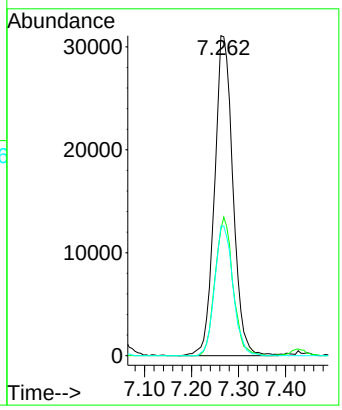


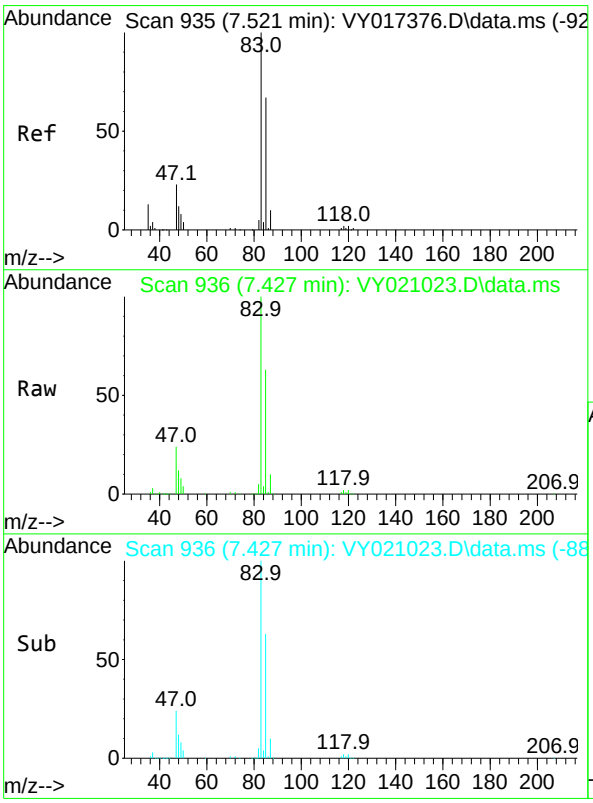

#29
Tetrahydrofuran
Concen: 346.176 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 42 Resp: 84863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.9 | 39.3 | 58.9 |
| 71 | 40.3 | 36.1 | 54.1 |

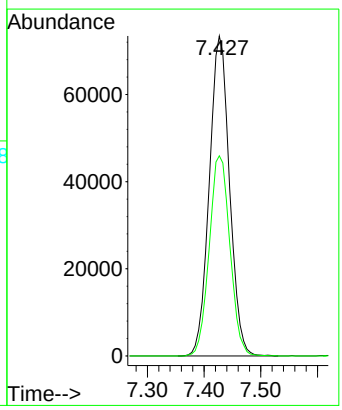


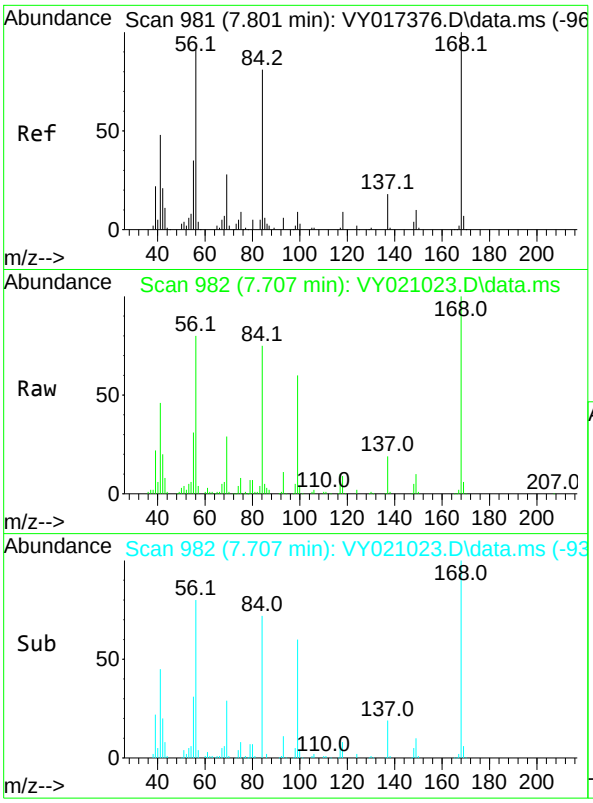




#30
Chloroform
Concen: 59.167 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 83 Resp: 181725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 52.9 | 79.3 |



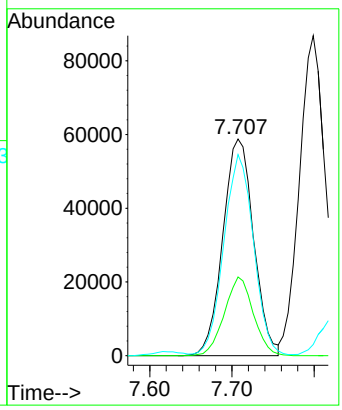


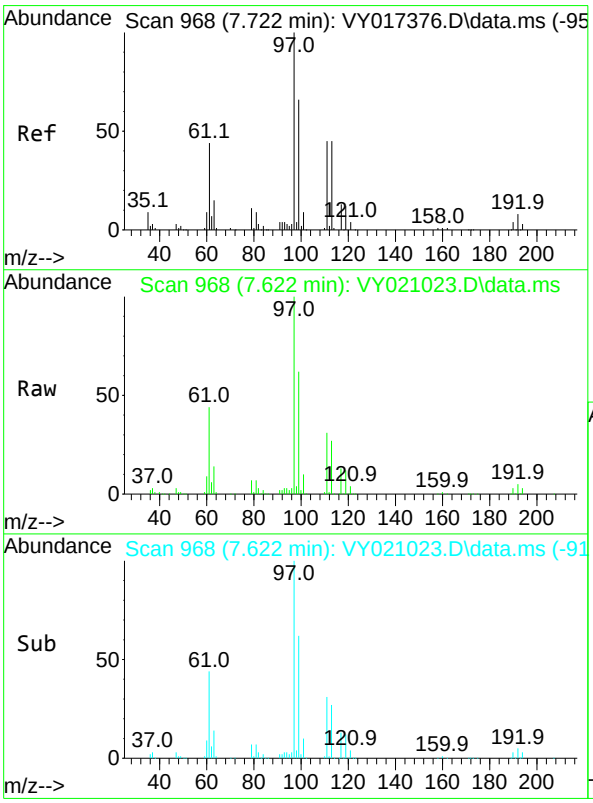

#31
Cyclohexane
Concen: 55.203 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 153013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 36.3 | 27.7 | 41.5 |
| 84 | 91.5 | 77.5 | 116.3 |

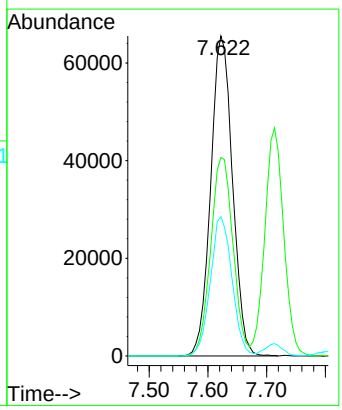


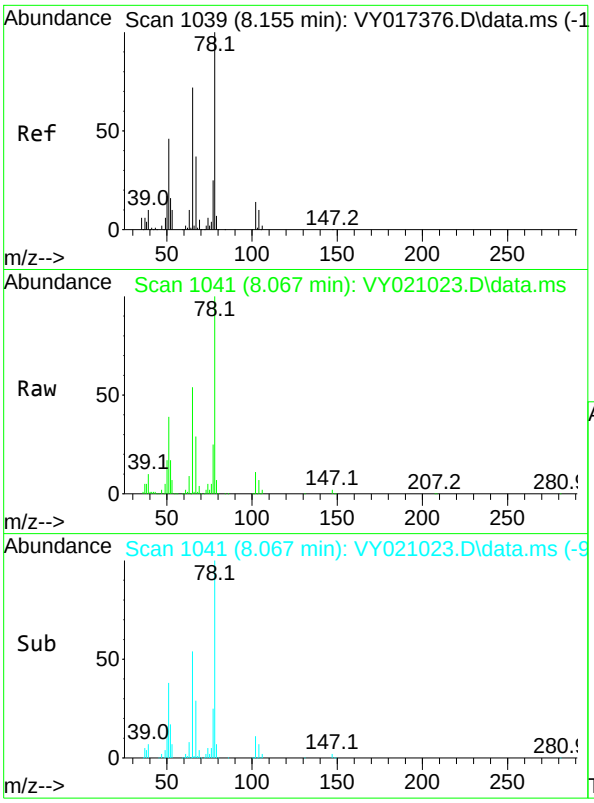




#32
1,1,1-Trichloroethane
Concen: 56.771 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 97 Resp: 168751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 51.4 | 77.0 |
| 61 | 43.3 | 31.4 | 47.0 |



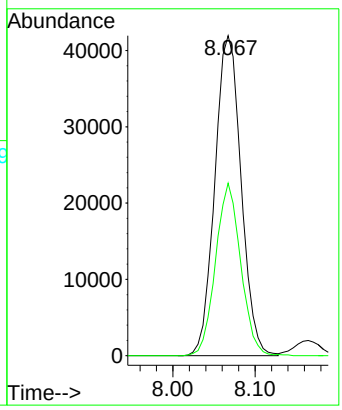


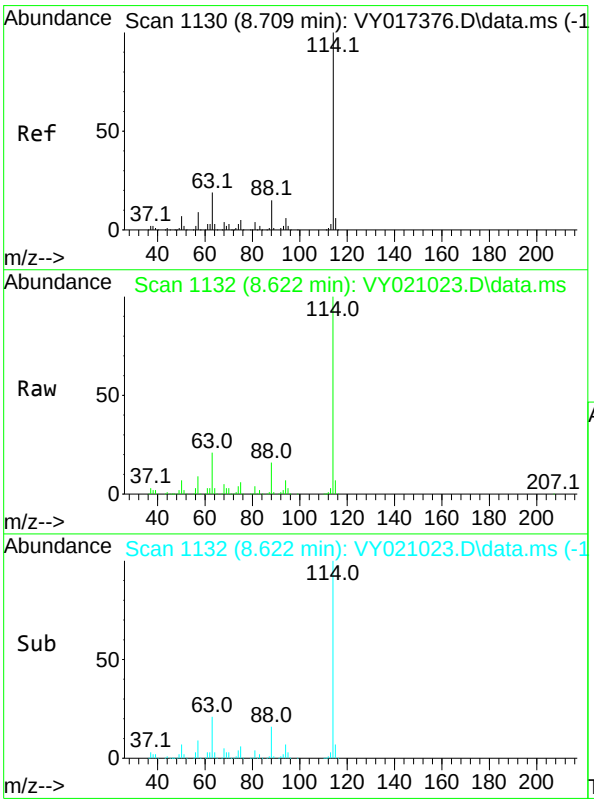

#33
1,2-Dichloroethane-d4
Concen: 59.079 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 65 Resp: 93084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.6 | 0.0 | 104.4 |

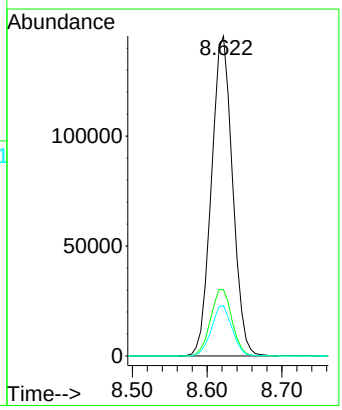


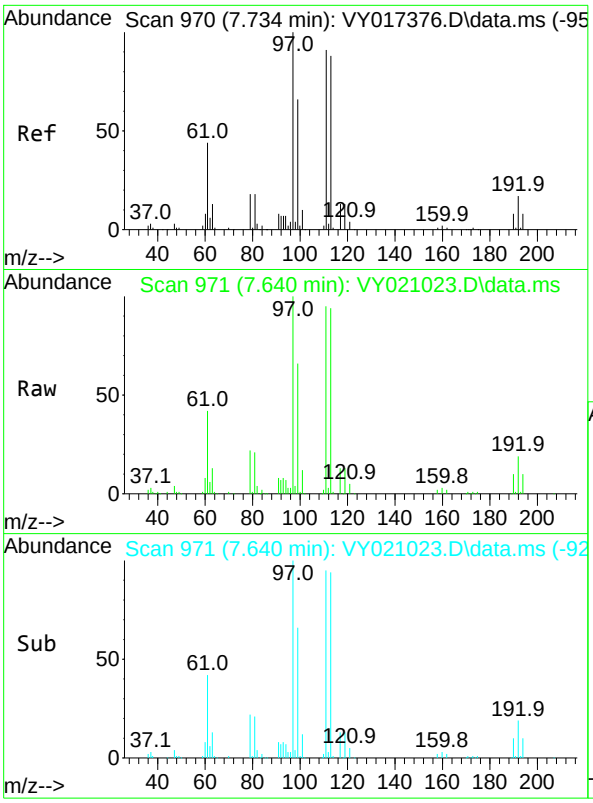




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:114 Resp: 285755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 37.2 |
| 88 | 15.8 | 0.0 | 29.6 |



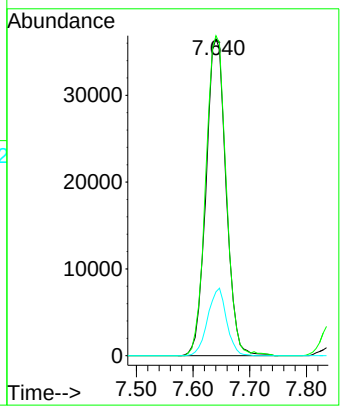


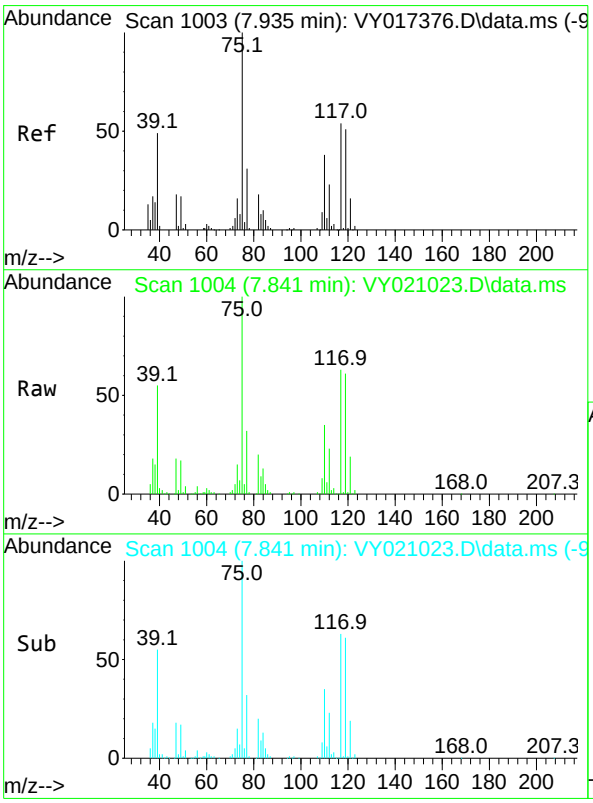

#35
Dibromofluoromethane
Concen: 52.107 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:113 Resp: 89515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 82.6 | 123.8 |
| 192 | 20.0 | 16.8 | 25.2 |

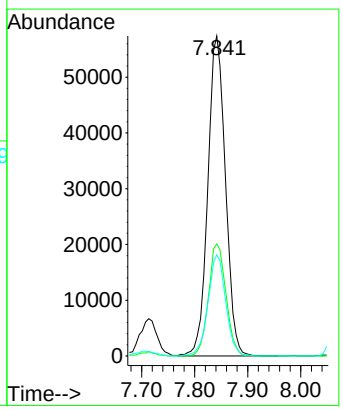


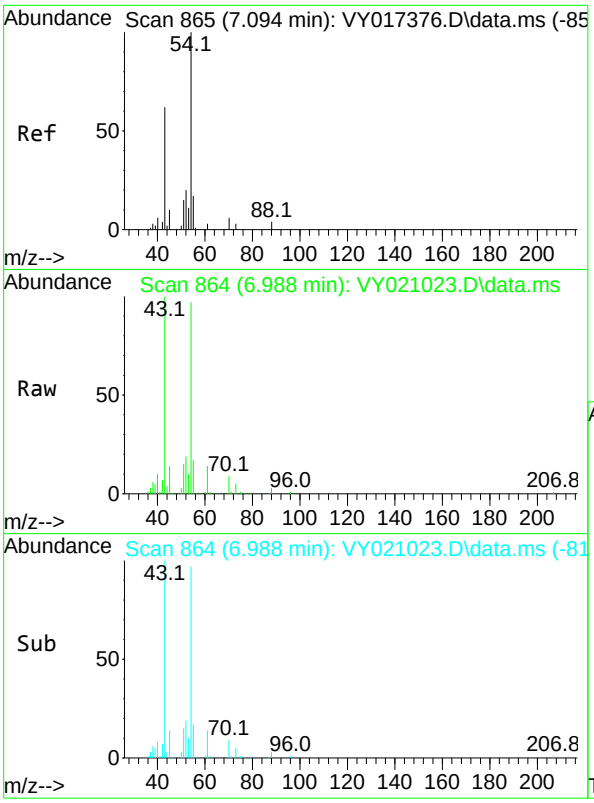




#36
1,1-Dichloropropene
Concen: 54.034 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 132425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 18.4 | 55.2 |
| 77 | 31.6 | 24.9 | 37.3 |



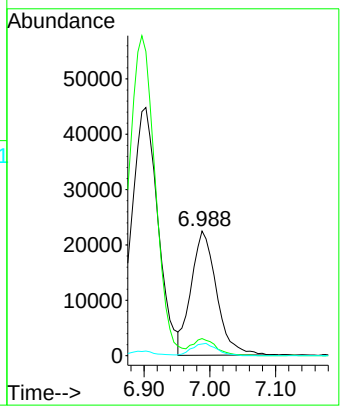


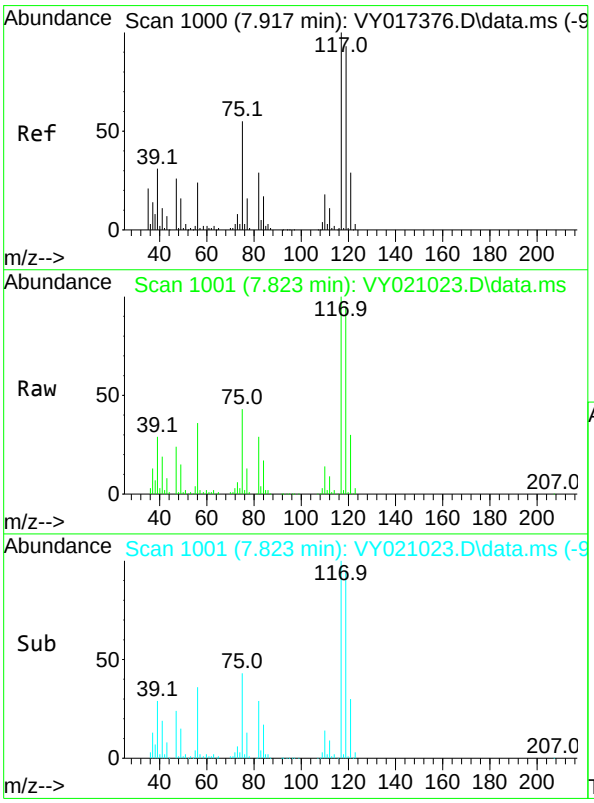

#37
Ethyl Acetate
Concen: 65.852 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 60168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 11.4 | 17.0 |
| 70 | 9.7 | 9.6 | 14.4 |

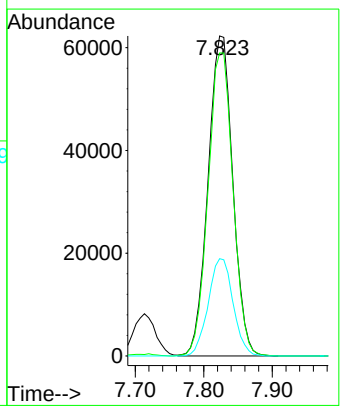


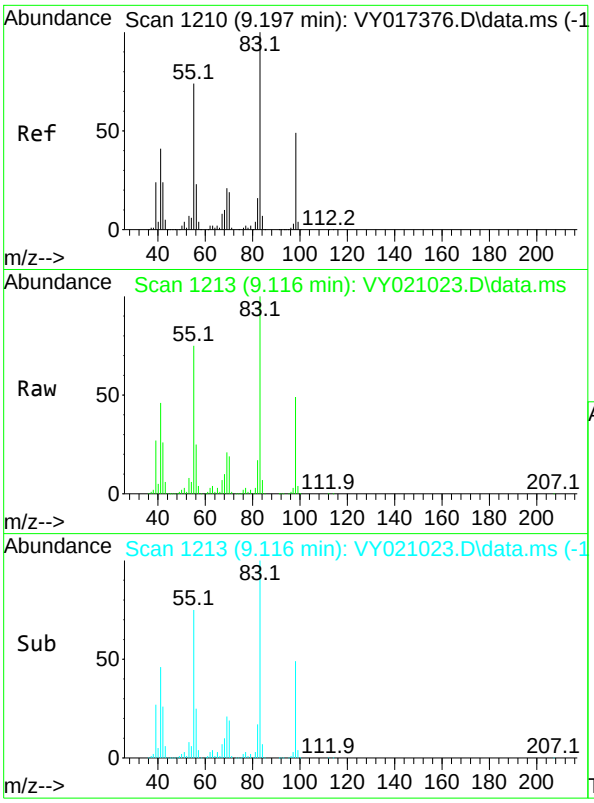




#38
Carbon Tetrachloride
Concen: 51.530 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 156282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 75.0 | 112.6 |
| 121 | 30.4 | 24.2 | 36.2 |



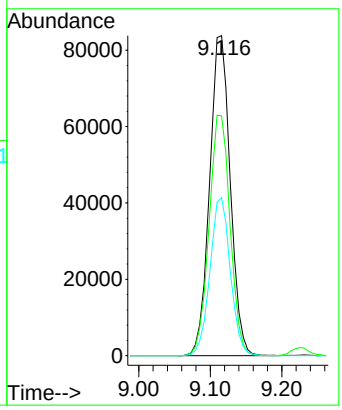


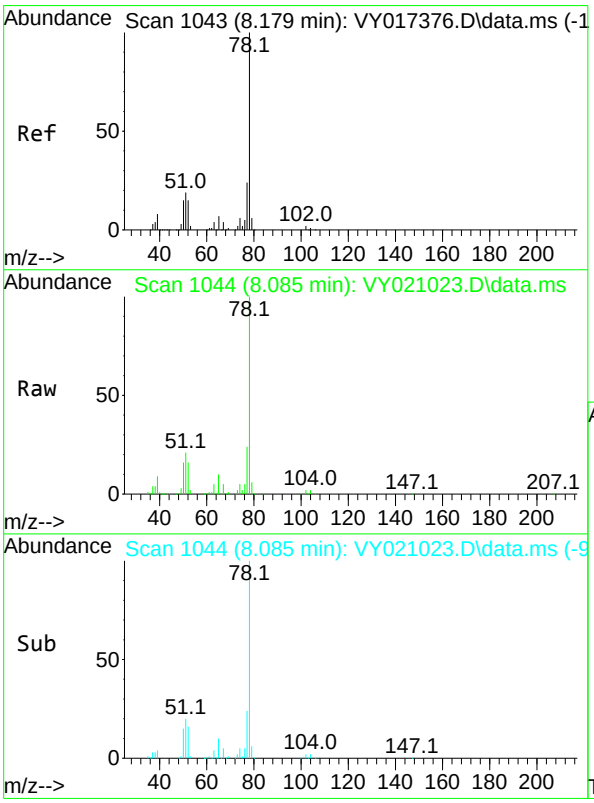

#39
Methylcyclohexane
Concen: 51.064 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 168118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.0 | 54.9 | 82.3 |
| 98 | 49.4 | 40.5 | 60.7 |

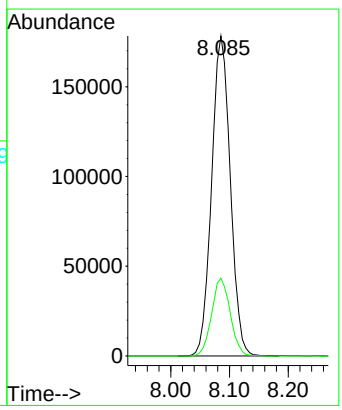


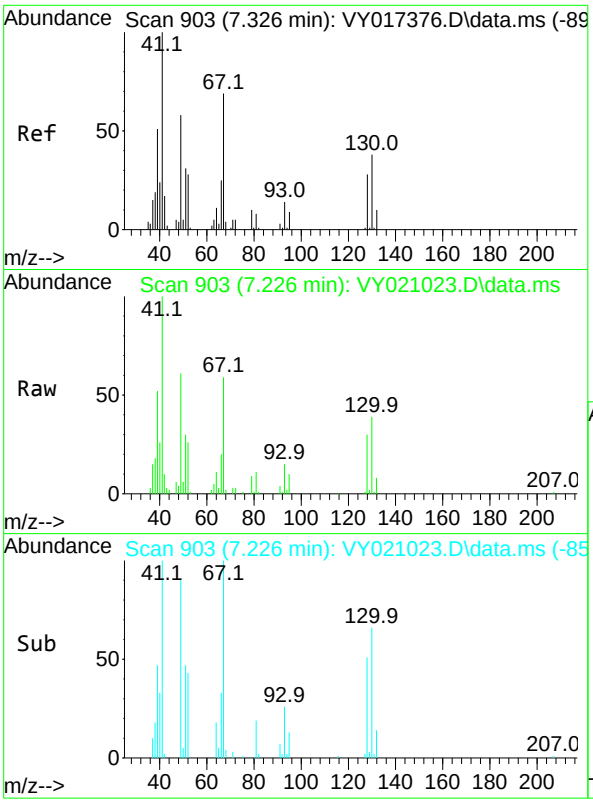




#40
Benzene
Concen: 54.594 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 78 Resp: 393690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.3 | 19.4 | 29.2 |



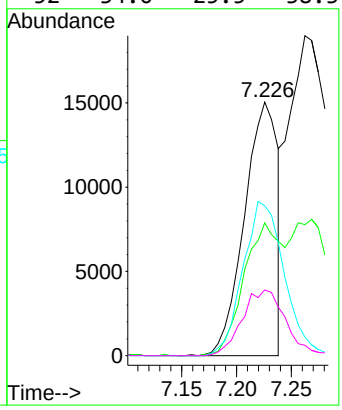


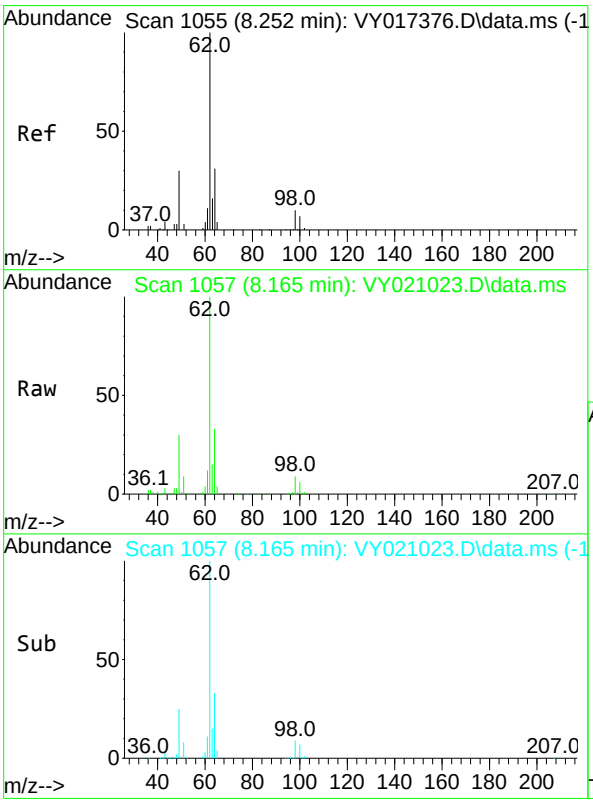

#41
Methacrylonitrile
Concen: 62.707 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 41 Resp: 31701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.9 | 41.6 | 62.4 |
| 67 | 75.8 | 63.8 | 95.6 |
| 52 | 34.0 | 25.5 | 38.3 |

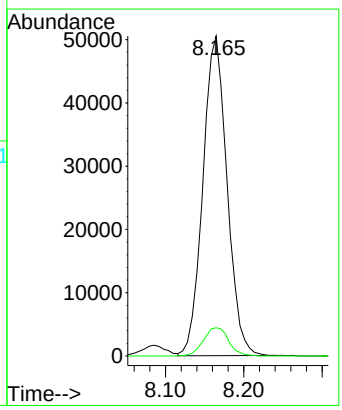


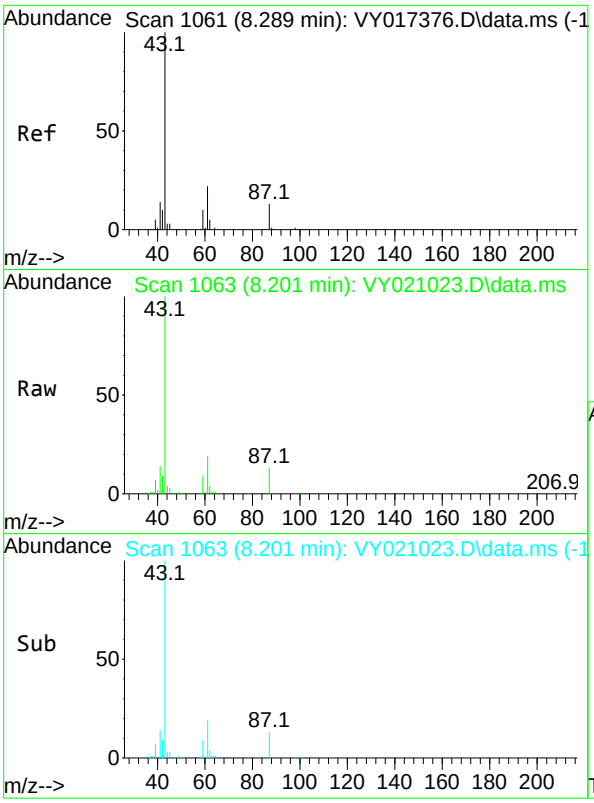




#42
1,2-Dichloroethane
Concen: 59.191 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 62 Resp: 108251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 19.4 |



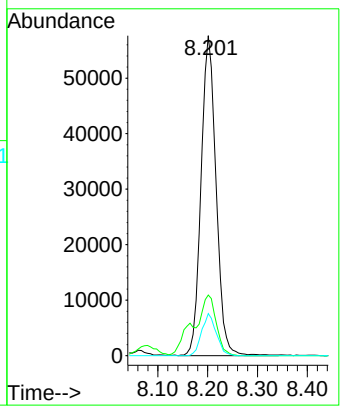


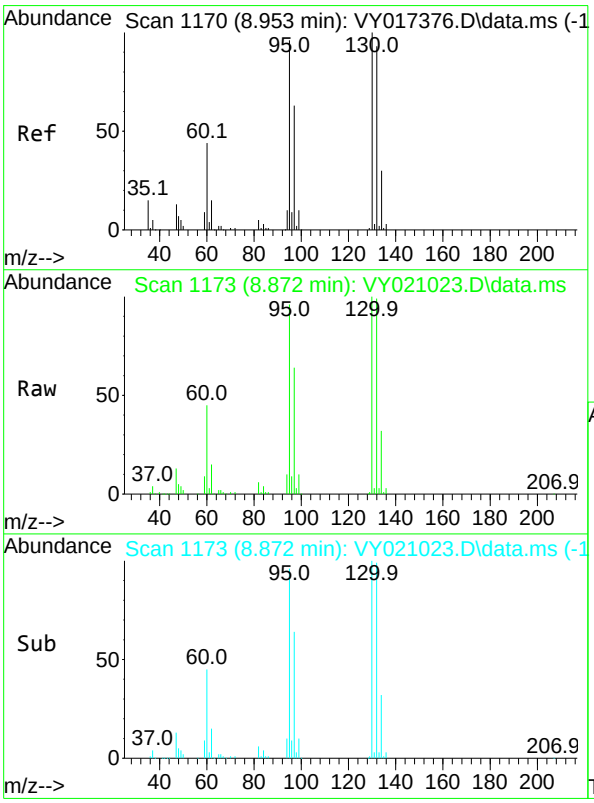

#43
Isopropyl Acetate
Concen: 66.087 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 120630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 15.8 | 23.6 |
| 87 | 12.8 | 12.5 | 18.7 |

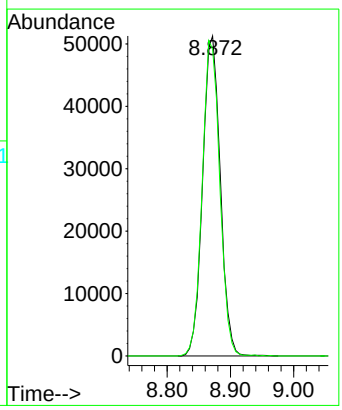


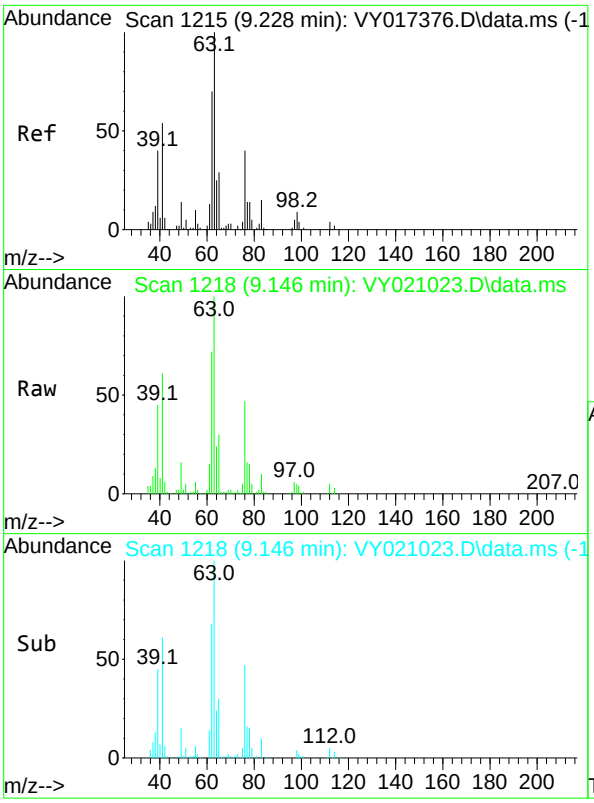




#44
Trichloroethene
Concen: 50.121 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:130 Resp: 99733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.9 | 0.0 | 189.6 |



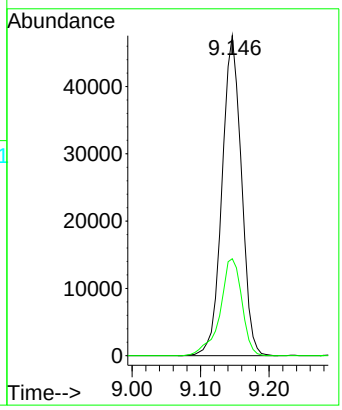


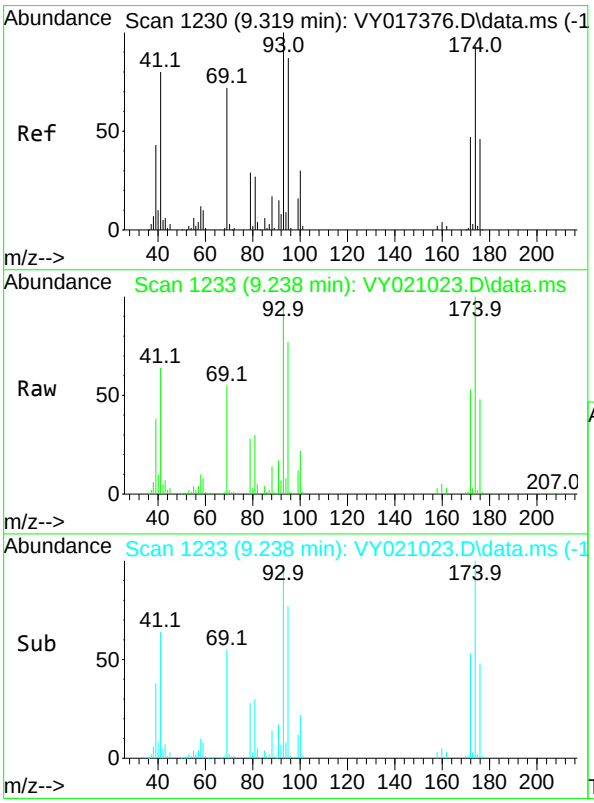

#45
1,2-Dichloropropane
Concen: 57.754 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 63 Resp: 93348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.3 | 23.6 | 35.4 |

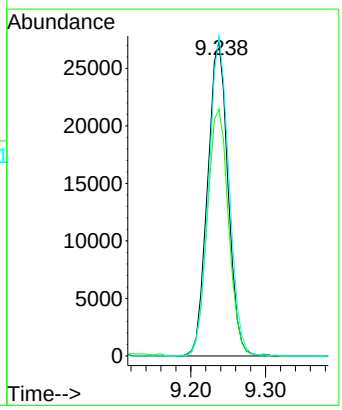


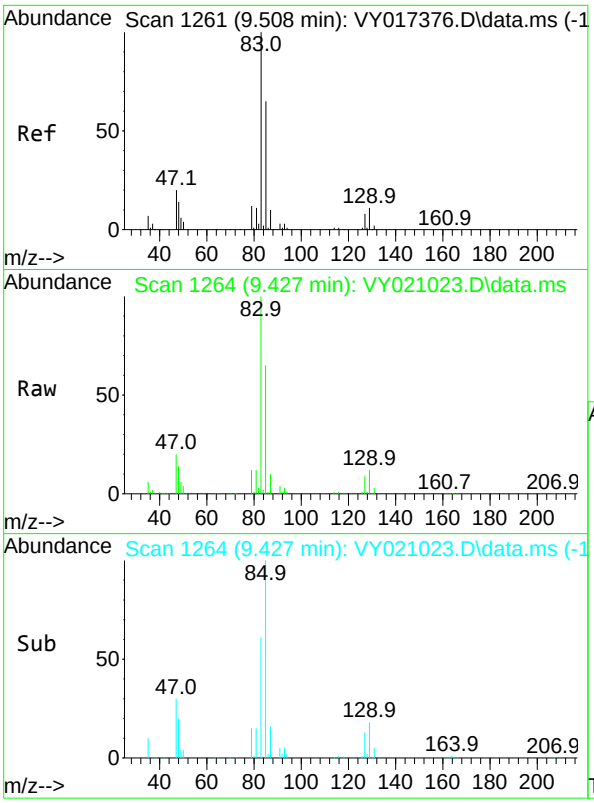




#46
Dibromomethane
Concen: 55.001 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 93 Resp: 51734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.0 | 65.8 | 98.8 |
| 174 | 100.9 | 88.1 | 132.1 |



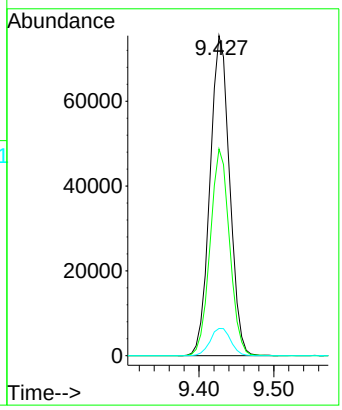


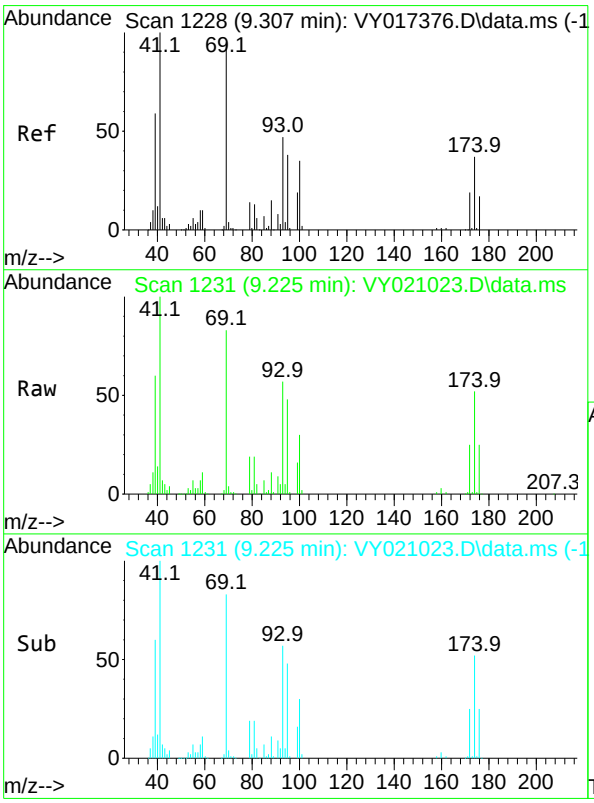

#47
Bromodichloromethane
Concen: 55.807 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 137852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 49.6 | 74.4 |
| 127 | 8.5 | 7.1 | 10.7 |

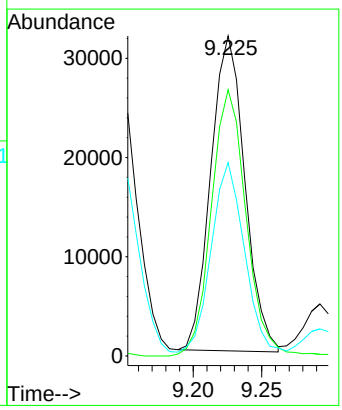


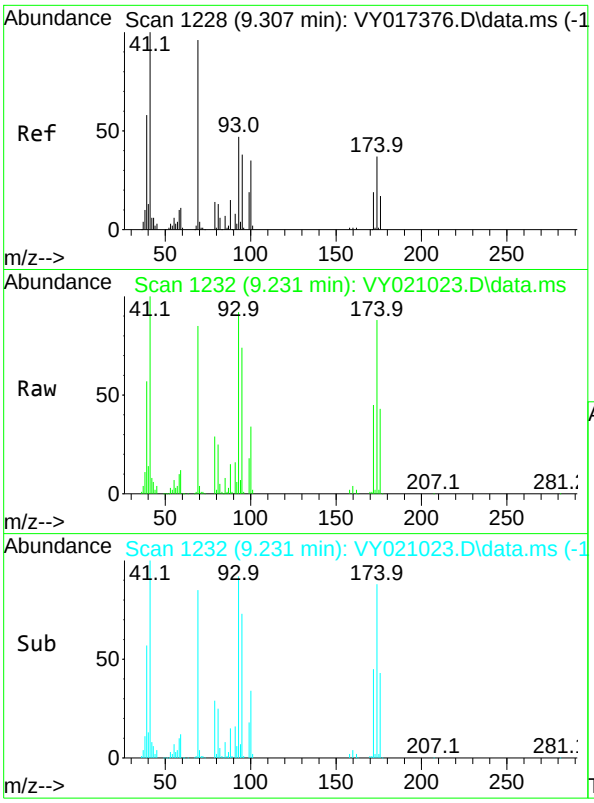




#48
Methyl methacrylate
Concen: 63.113 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 41 Resp: 54848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 87.0 | 75.6 | 113.4 |
| 39 | 58.6 | 41.3 | 61.9 |



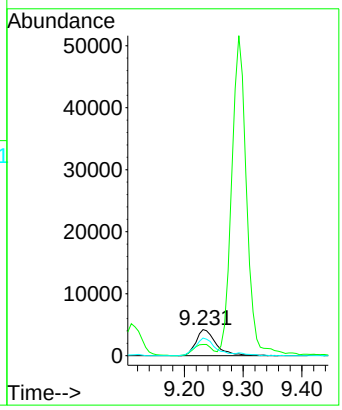


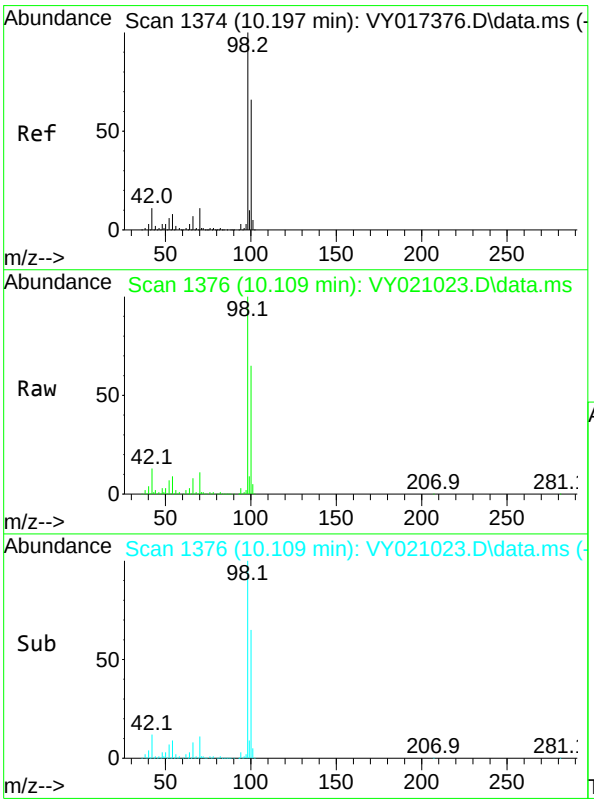

#49
1,4-Dioxane
Concen: 1003.514 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 88 Resp: 10030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.4 | 24.2 | 36.4# |
| 58 | 67.0 | 57.3 | 85.9 |

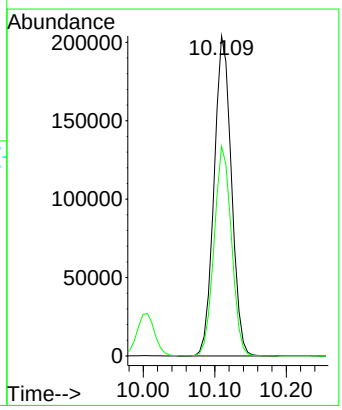


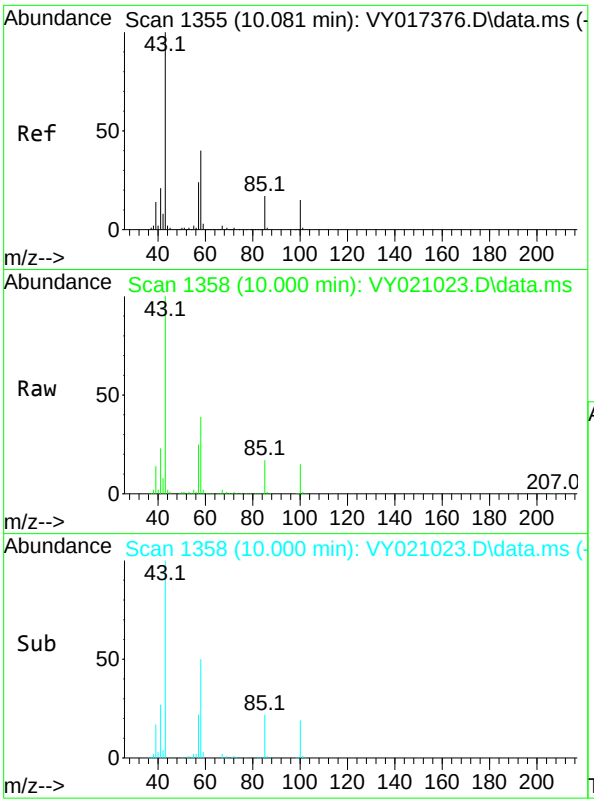




#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 98 Resp: 343592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 52.6 | 79.0 |



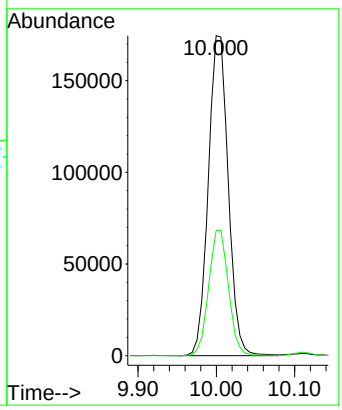


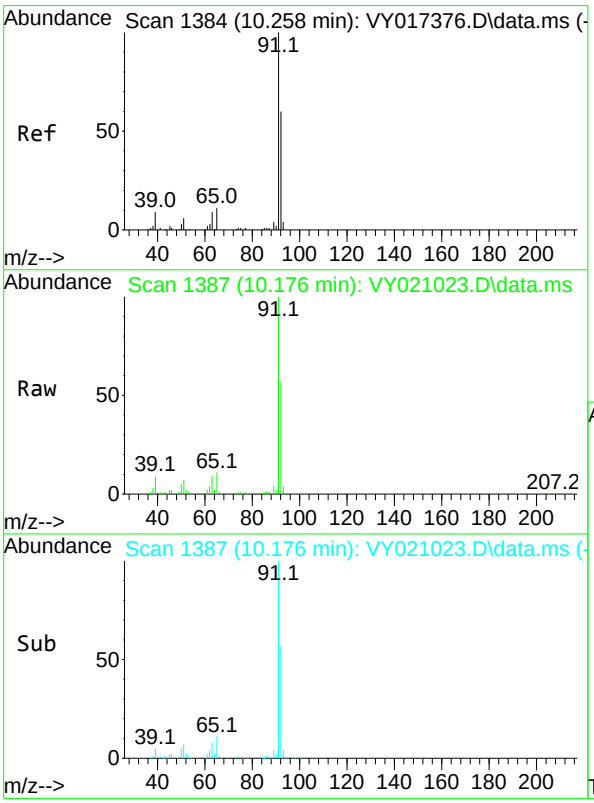

#51
4-Methyl-2-Pentanone
Concen: 329.038 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 308616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.0 | 33.8 | 50.8 |

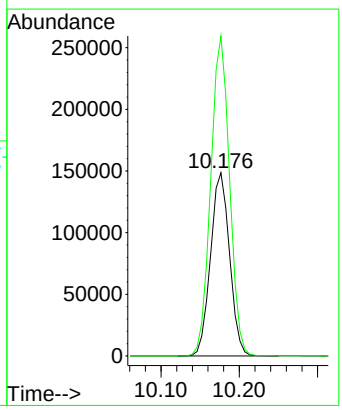


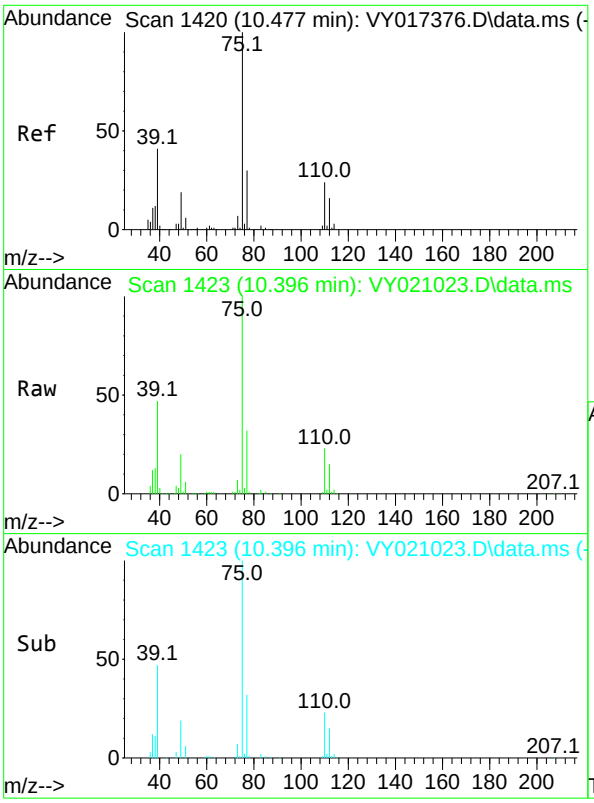




#52
Toluene
Concen: 53.469 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 92 Resp: 250280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.3 | 135.8 | 203.8 |



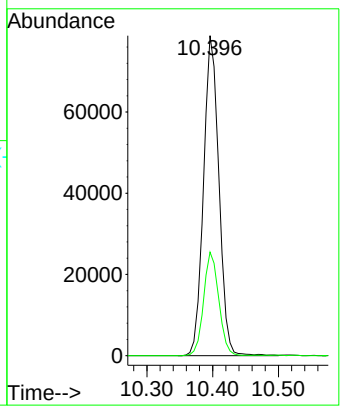


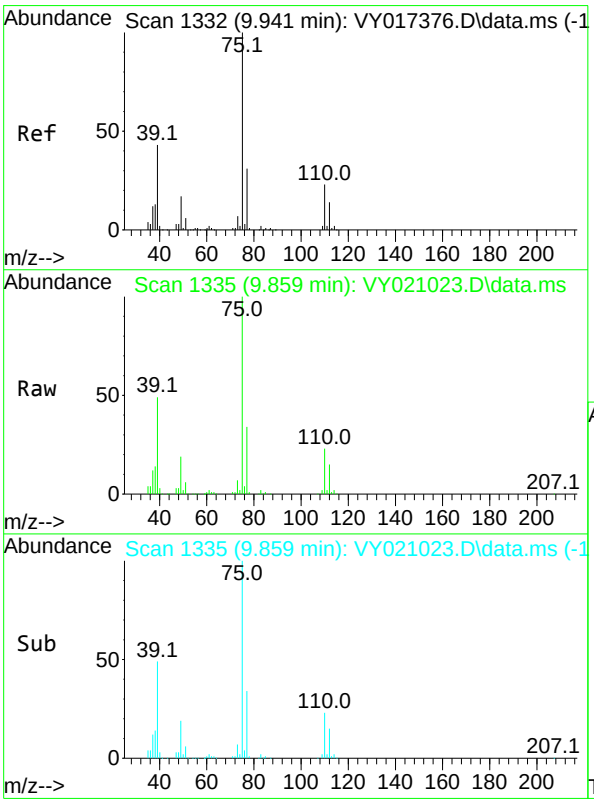

#53
t-1,3-Dichloropropene
Concen: 57.403 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 128314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.9 | 38.9 |

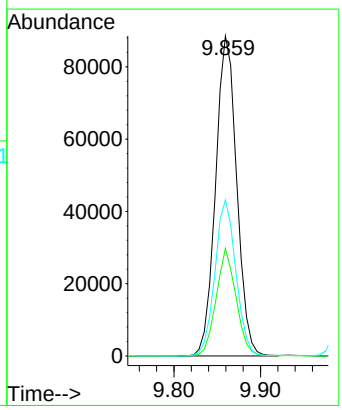


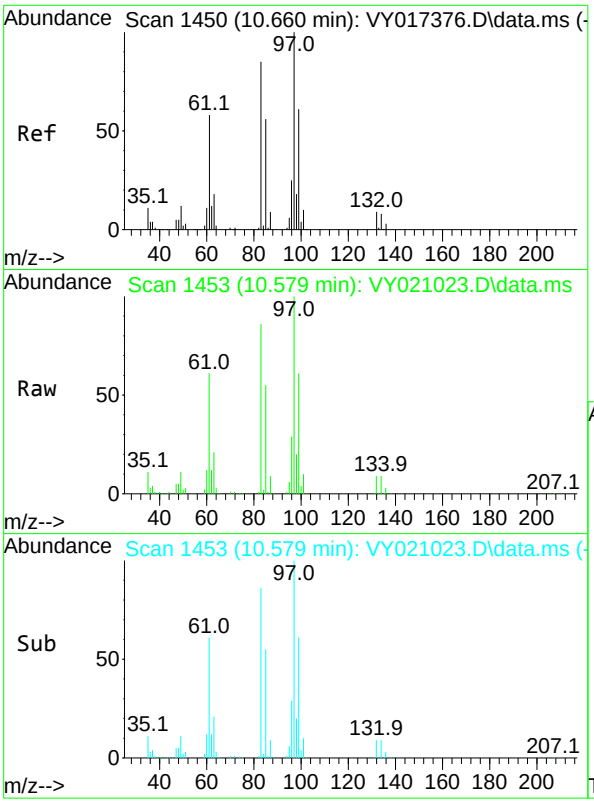




#54
cis-1,3-Dichloropropene
Concen: 56.133 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 149965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.7 | 25.4 | 38.0 |
| 39 | 48.7 | 32.2 | 48.2# |



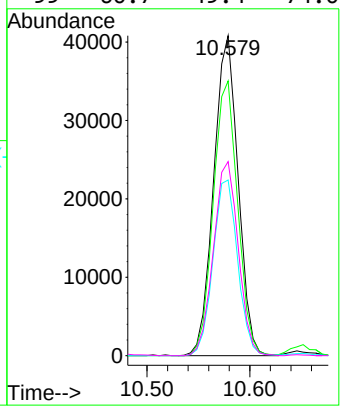


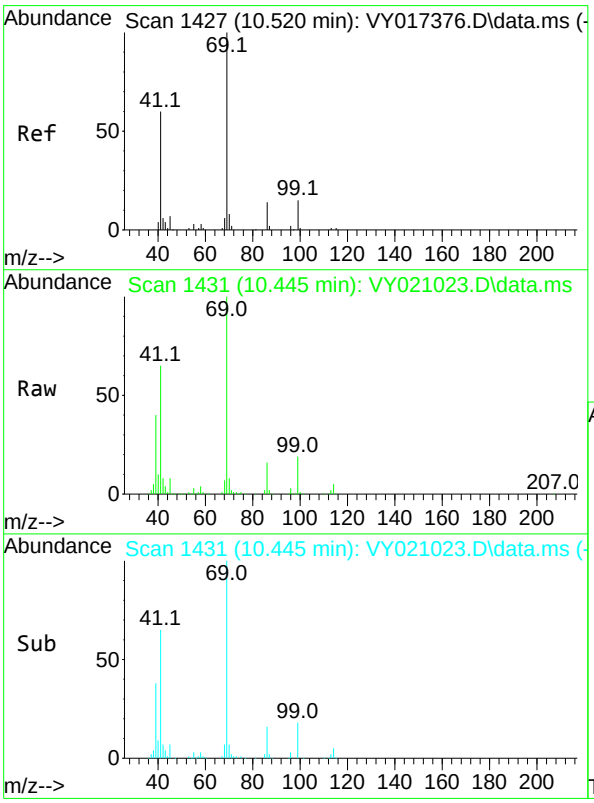

#55
1,1,2-Trichloroethane
Concen: 53.761 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 97 Resp: 67249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.8 | 67.7 | 101.5 |
| 85 | 54.9 | 43.4 | 65.2 |
| 99 | 60.7 | 49.4 | 74.0 |

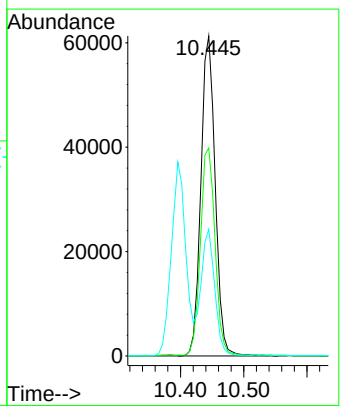


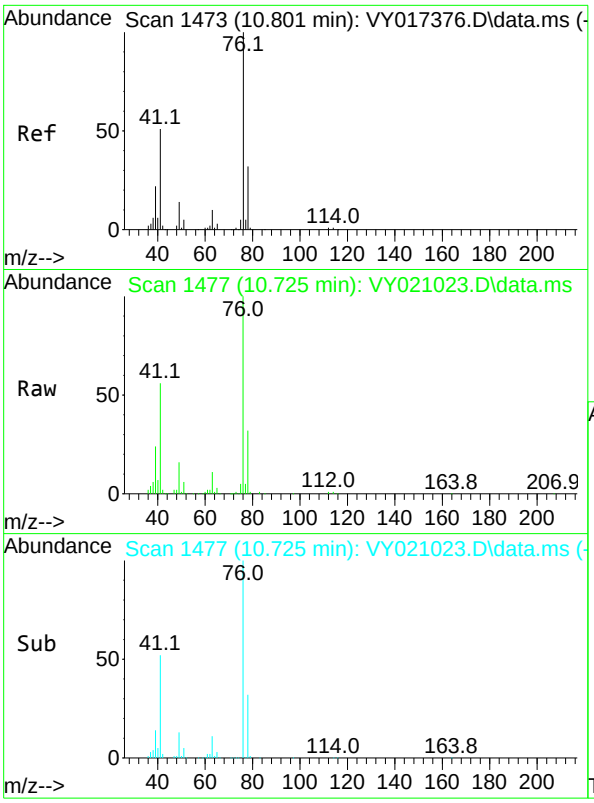




#56
Ethyl methacrylate
Concen: 59.067 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 69 Resp: 96579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 65.9 | 46.3 | 69.5 |
| 39 | 38.2 | 24.5 | 36.7# |



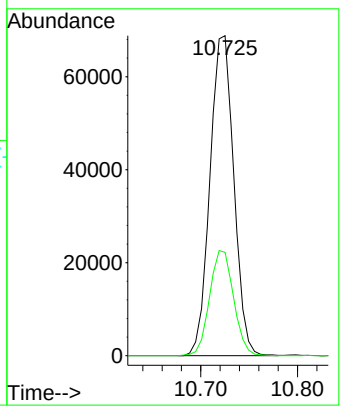


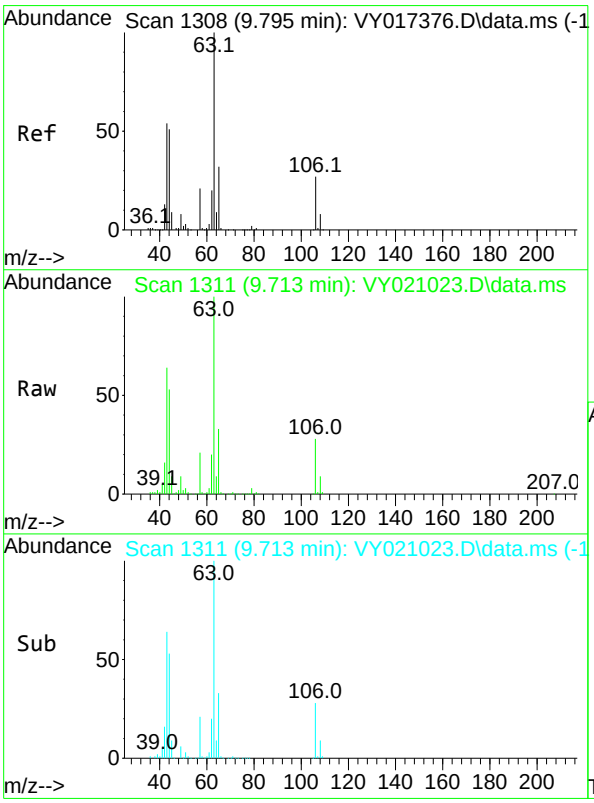

#57
1,3-Dichloropropane
Concen: 55.483 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 117634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.1 | 25.8 | 38.6 |

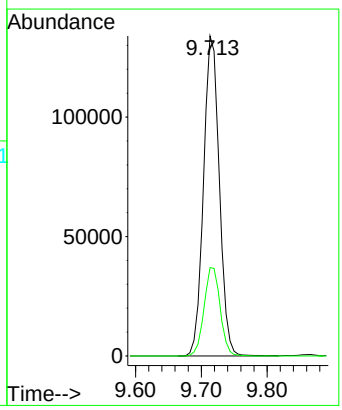


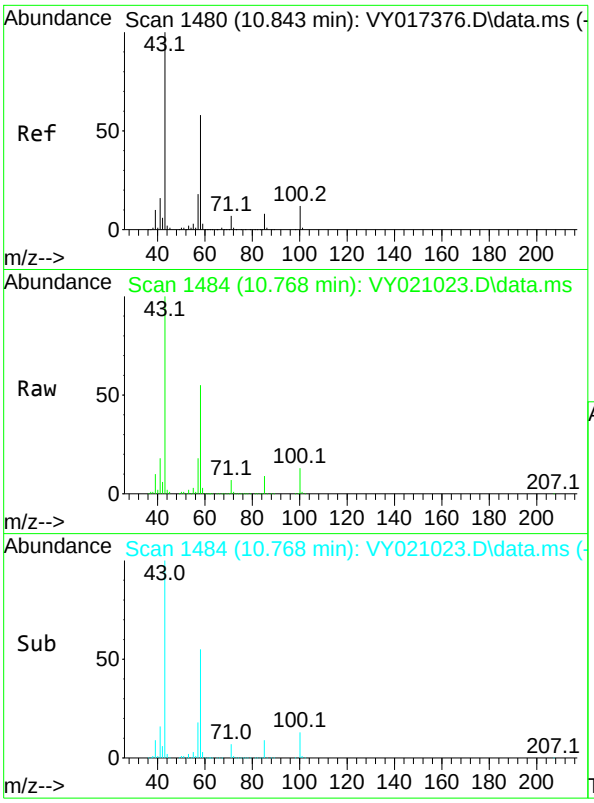




#58
2-Chloroethyl Vinyl ether
Concen: 322.966 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 63 Resp: 224134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.1 | 24.7 | 37.1 |



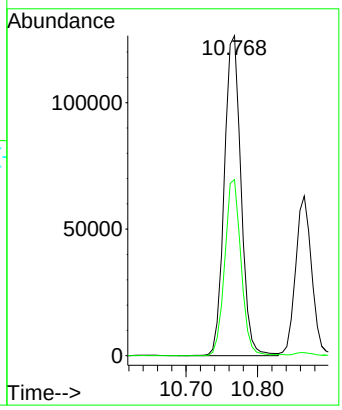


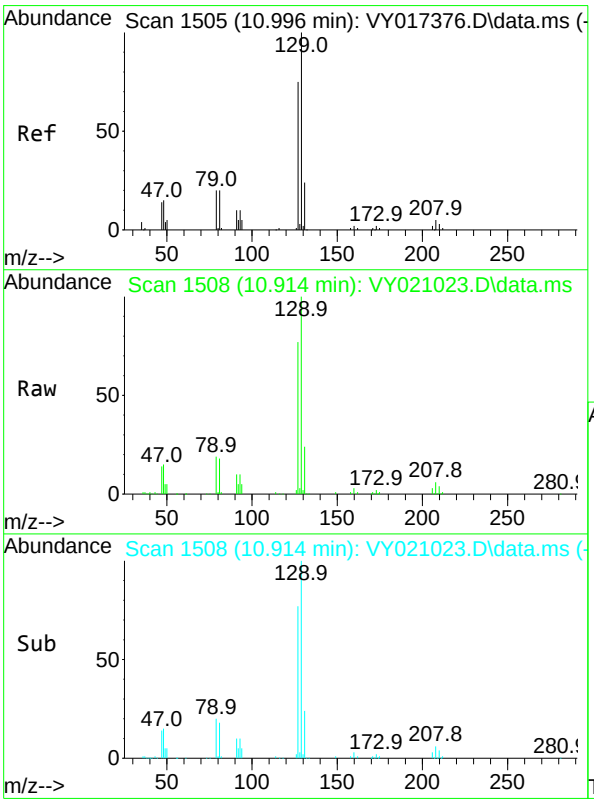

#59
2-Hexanone
Concen: 336.612 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 205217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.8 | 29.8 | 89.3 |

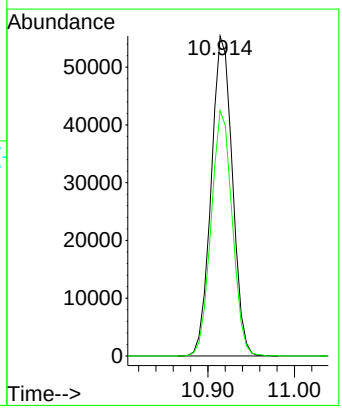


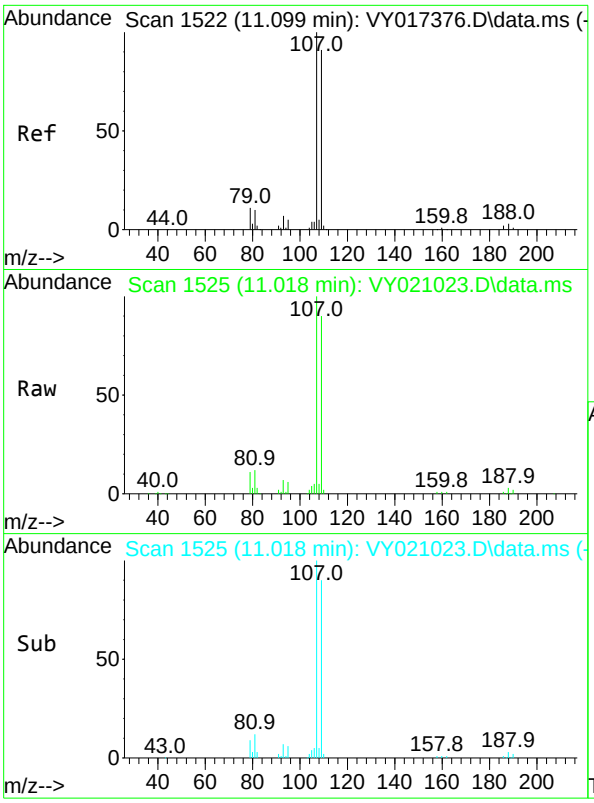




#60
Dibromochloromethane
Concen: 52.680 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:129 Resp: 93957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.6 | 38.5 | 115.3 |



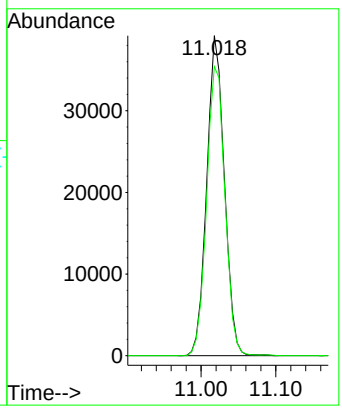


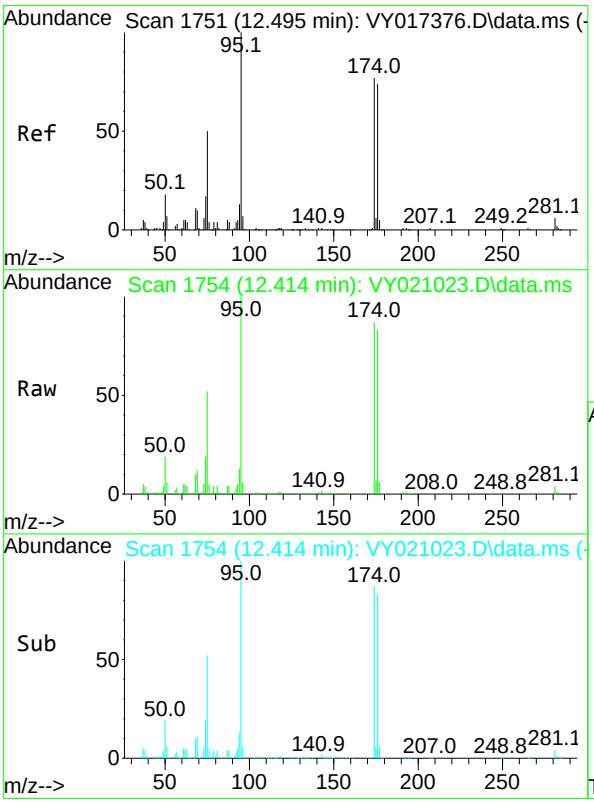

#61
1,2-Dibromoethane
Concen: 53.845 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:107 Resp: 64333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 76.6 | 114.8 |

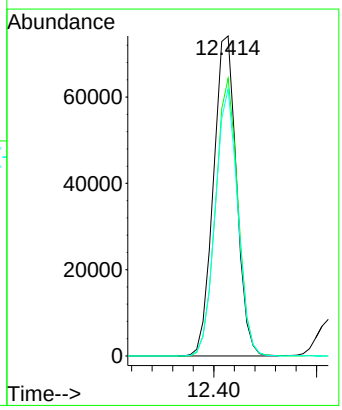


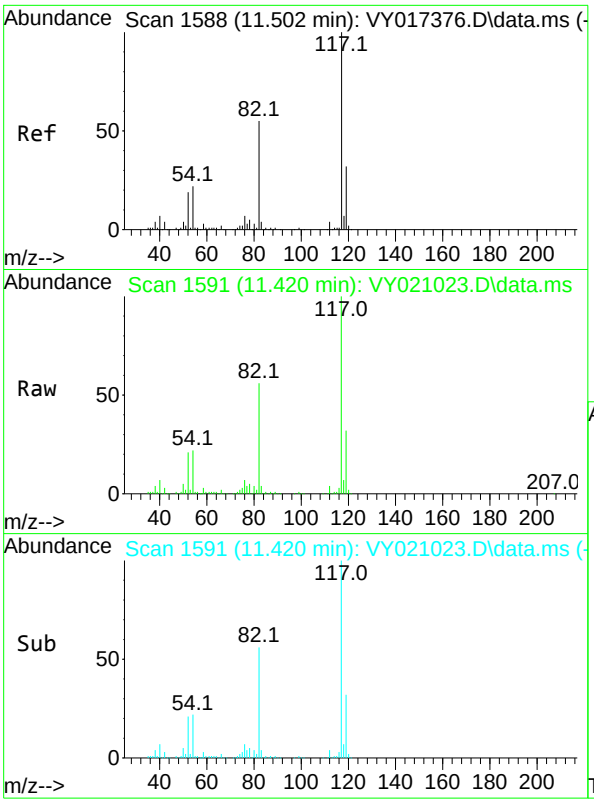




#62
4-Bromofluorobenzene
Concen: 51.200 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 95 Resp: 115197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.2 | 0.0 | 181.2 |
| 176 | 81.5 | 0.0 | 175.2 |



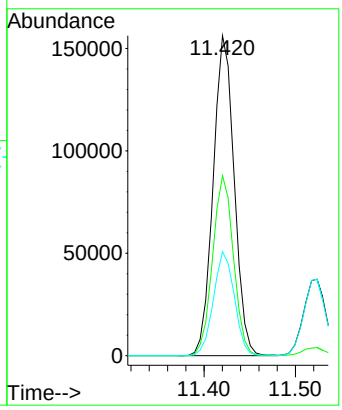


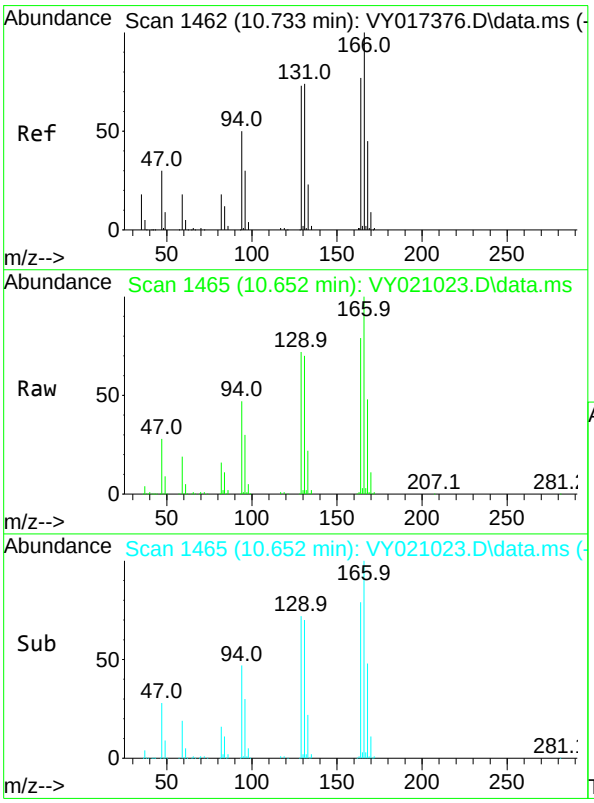

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:117 Resp: 250150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 44.2 | 66.2 |
| 119 | 32.5 | 25.9 | 38.9 |

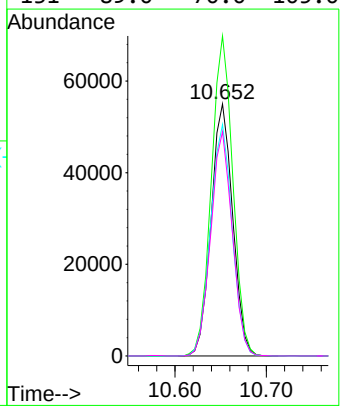


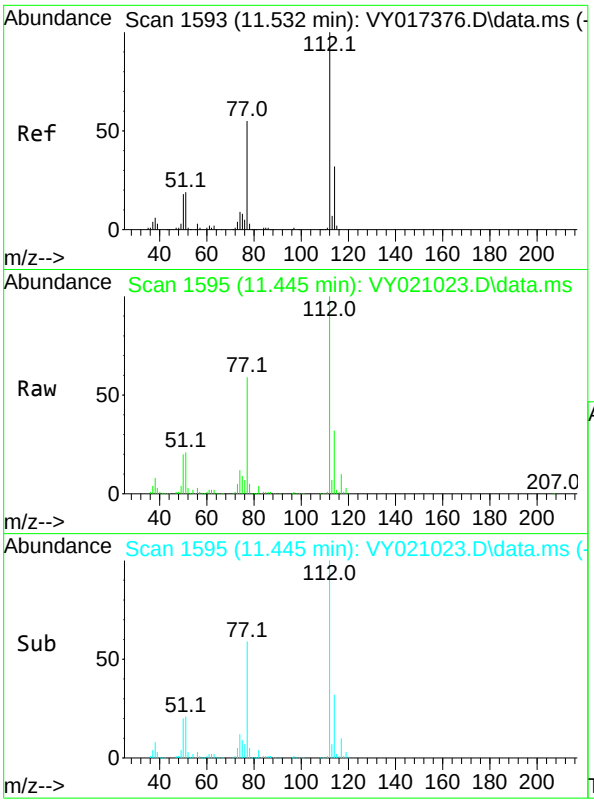




#64
Tetrachloroethene
Concen: 47.817 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:164 Resp: 90228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.0 | 100.4 | 150.6 |
| 129 | 91.8 | 70.8 | 106.2 |
| 131 | 89.0 | 70.0 | 105.0 |



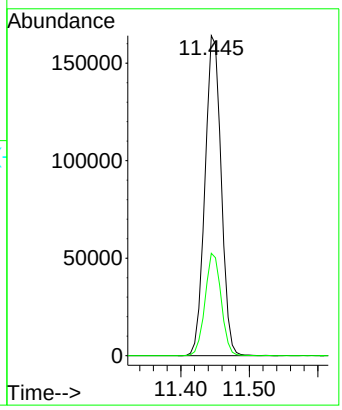


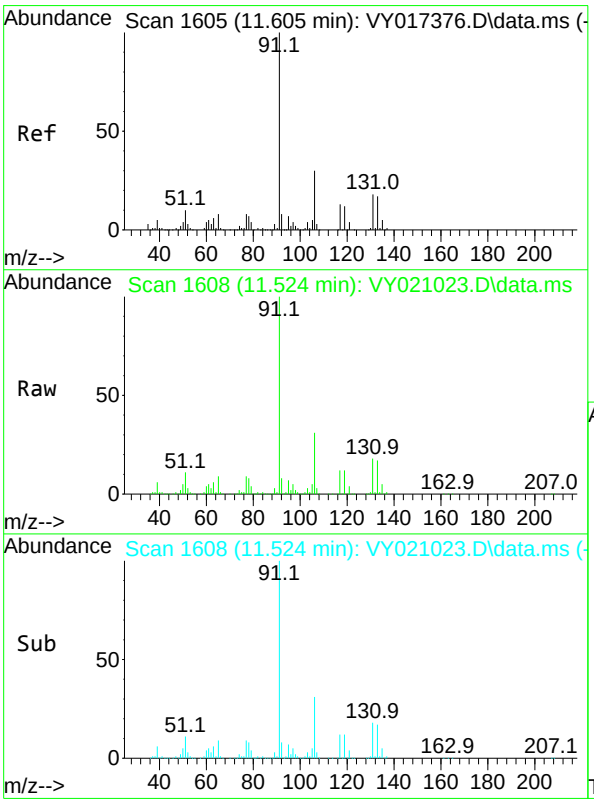

#65
Chlorobenzene
Concen: 51.263 ug/l
RT: 11.445 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:112 Resp: 270176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 24.6 | 37.0 |

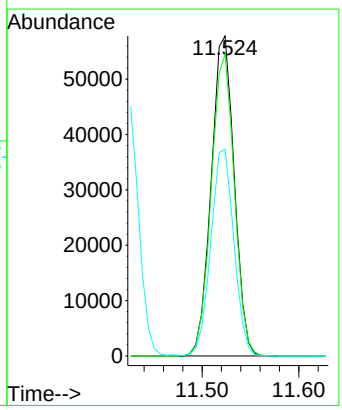


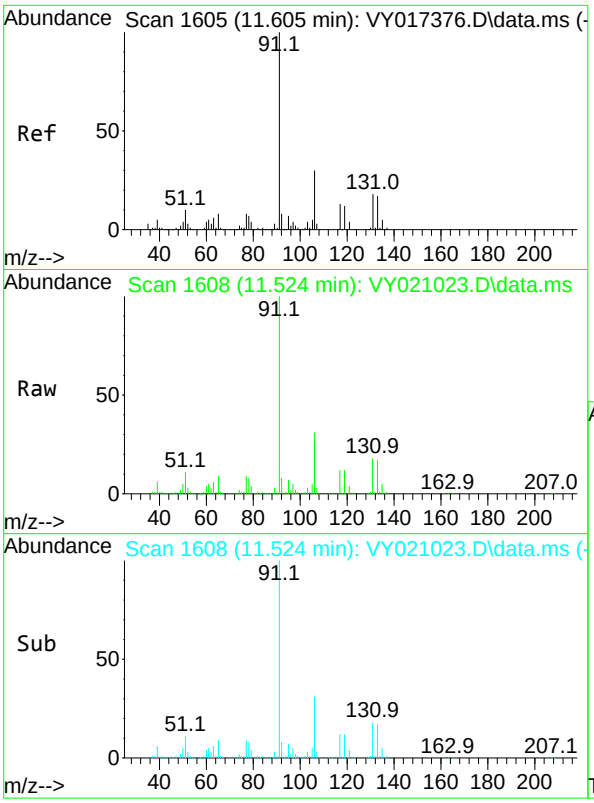




#66
1,1,1,2-Tetrachloroethane
Concen: 51.137 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:131 Resp: 95653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.4 | 48.7 | 146.1 |
| 119 | 64.7 | 31.4 | 94.3 |



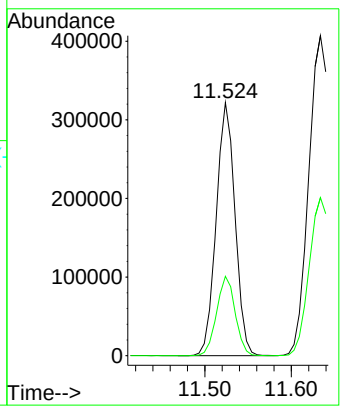


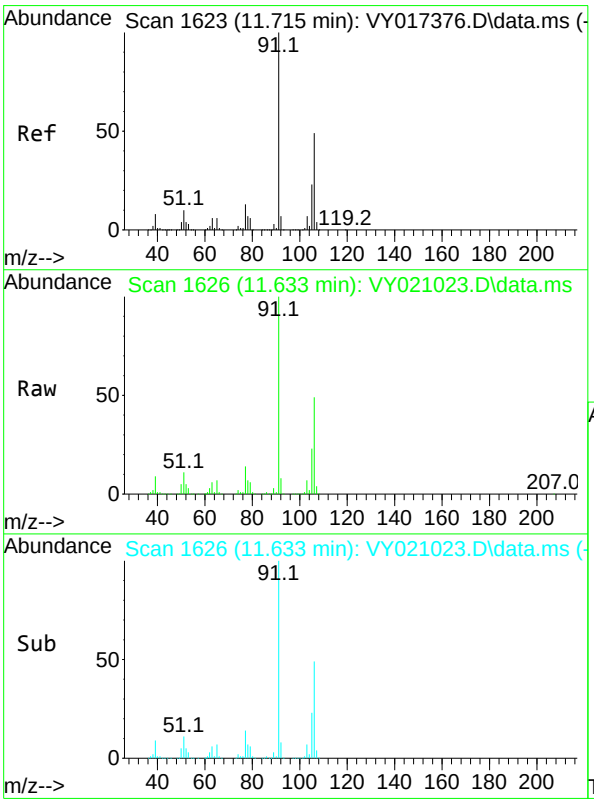

#67
Ethyl Benzene
Concen: 53.265 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 486059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 24.9 | 37.3 |

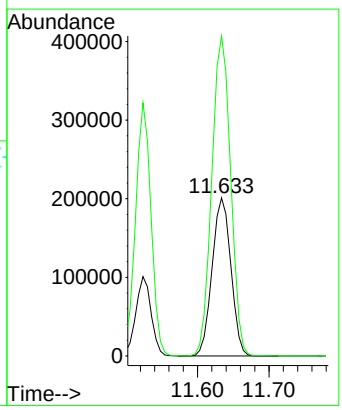


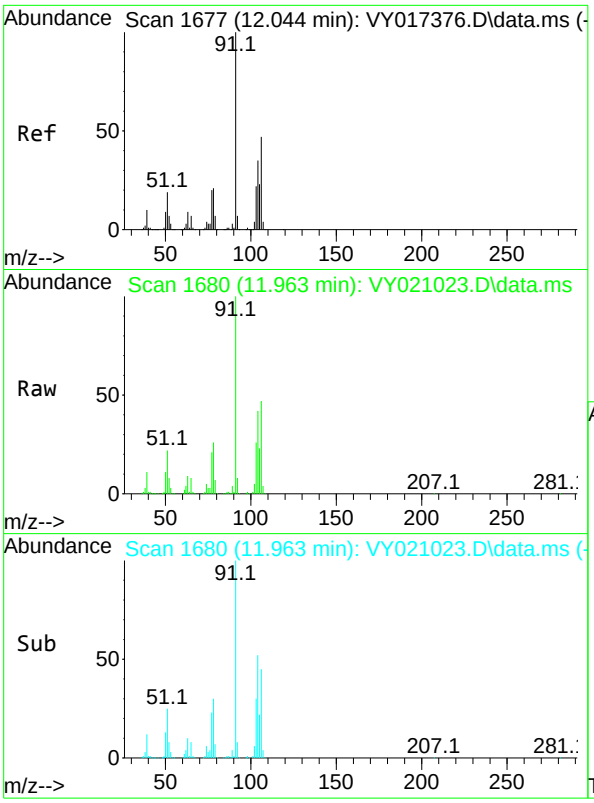




#68
m/p-Xylenes
Concen: 104.538 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:106 Resp: 366509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.4 | 160.0 | 240.0 |



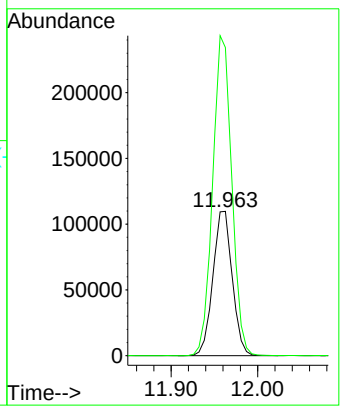


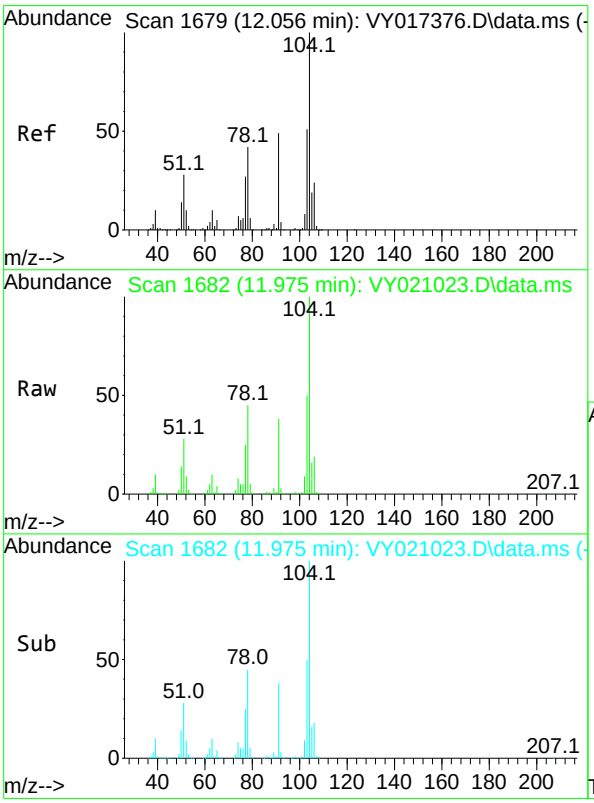

#69
o-Xylene
Concen: 52.229 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:106 Resp: 170229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.8 | 105.8 | 317.6 |

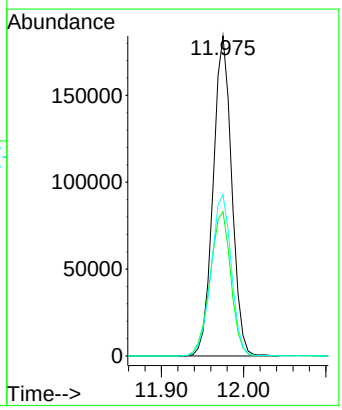


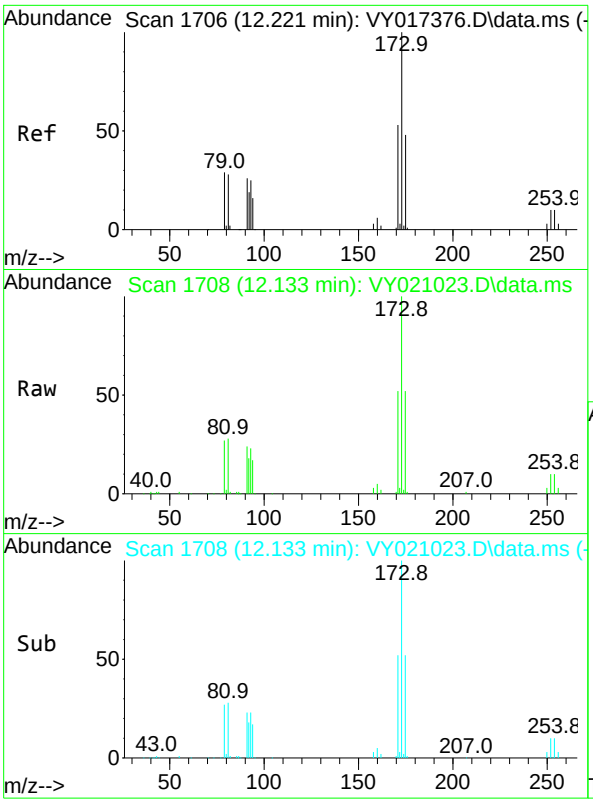




#70
Styrene
Concen: 53.426 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:104 Resp: 289102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.6 | 39.0 | 58.4 |
| 103 | 55.0 | 43.7 | 65.5 |



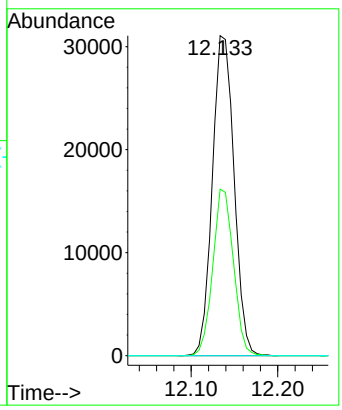


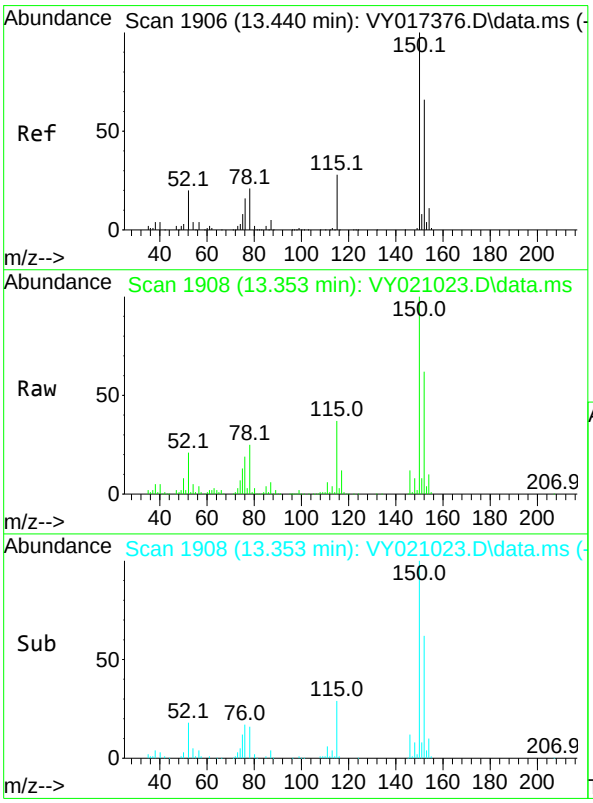

#71
Bromoform
Concen: 49.101 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:173 Resp: 54130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.5 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

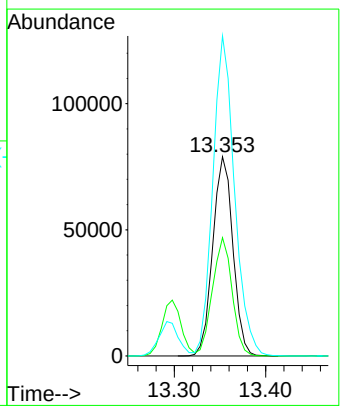


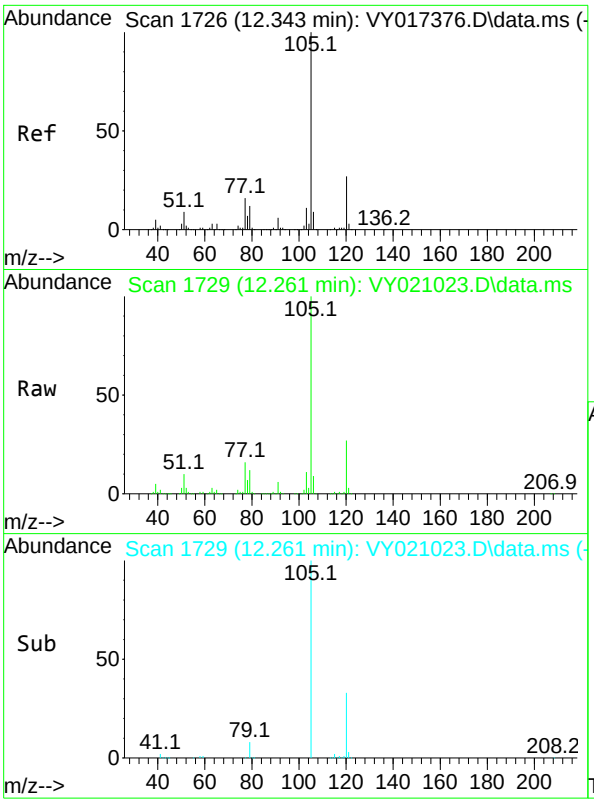




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:152 Resp: 121069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.9 | 28.4 | 85.2 |
| 150 | 172.6 | 0.0 | 342.8 |



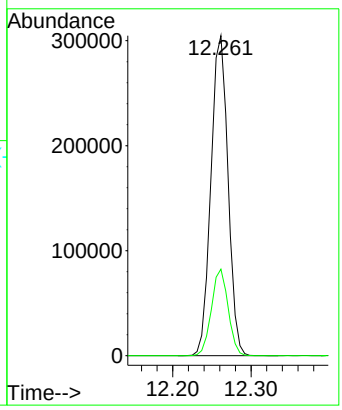


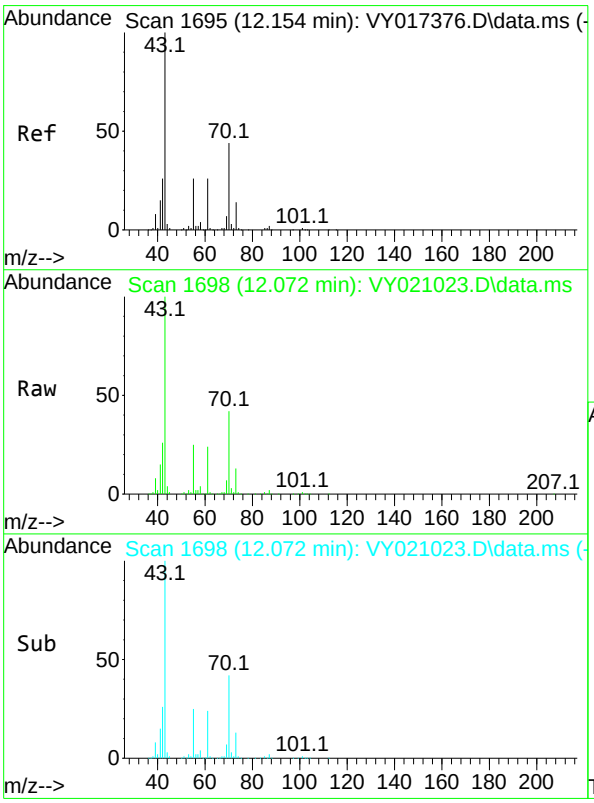

#73
Isopropylbenzene
Concen: 54.240 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 461198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.4 | 40.2 |

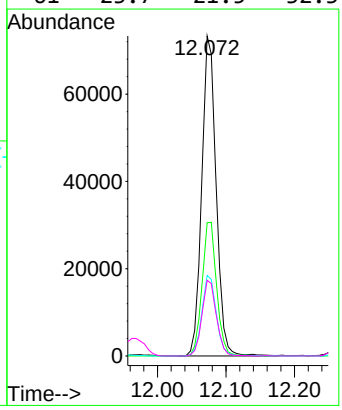


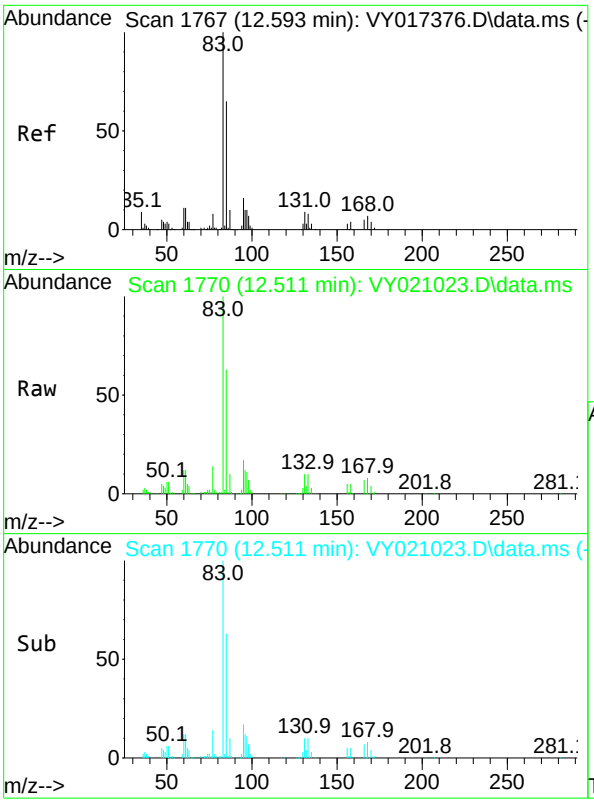




#74
N-amyl acetate
Concen: 69.346 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 43 Resp: 107371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.3 | 39.3 | 58.9 |
| 55 | 25.3 | 22.3 | 33.5 |
| 61 | 23.7 | 21.5 | 32.3 |



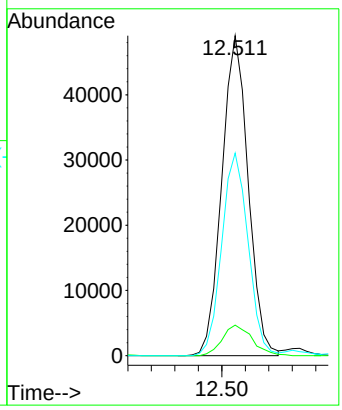


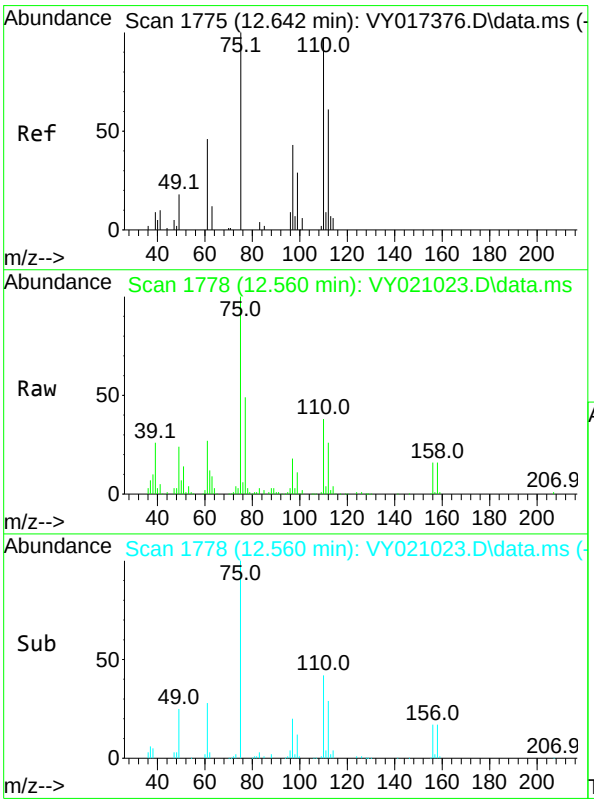

#75
1,1,2,2-Tetrachloroethane
Concen: 55.736 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 76500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 5.7 | 17.1 |
| 85 | 63.4 | 31.9 | 95.9 |

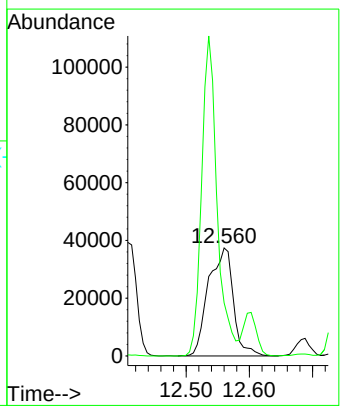


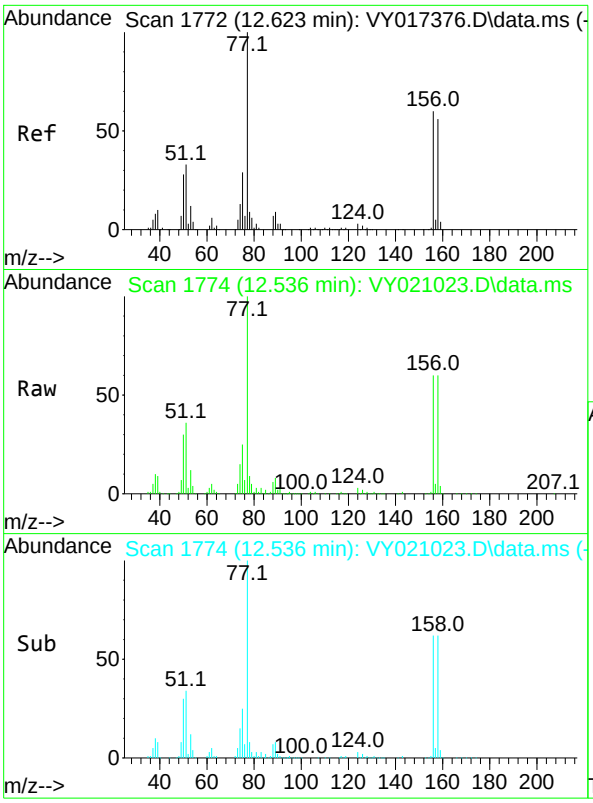




#76
1,2,3-Trichloropropane
Concen: 106.739 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 102300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



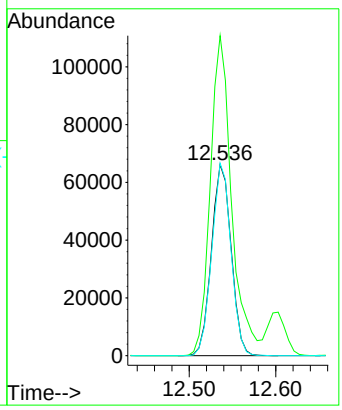


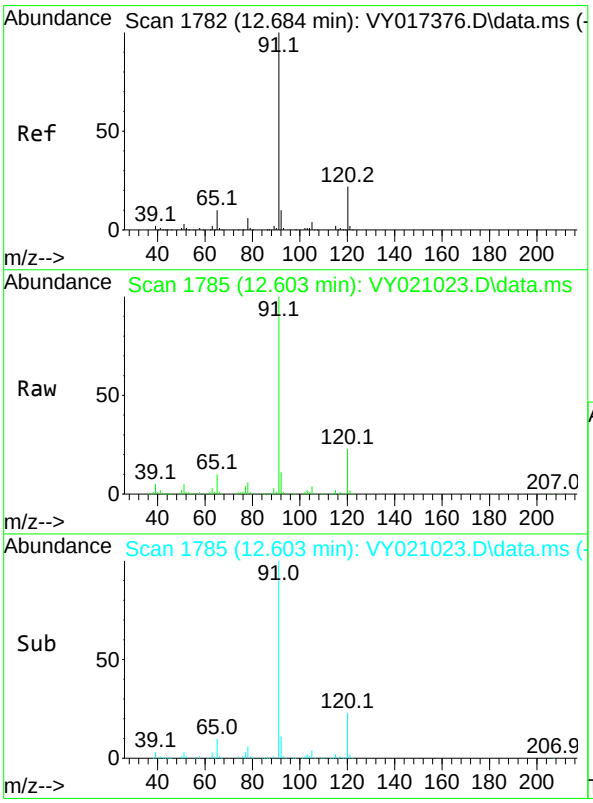

#77
Bromobenzene
Concen: 51.889 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:156 Resp: 104605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 180.1 | 83.3 | 249.9 |
| 158 | 97.9 | 48.3 | 144.9 |

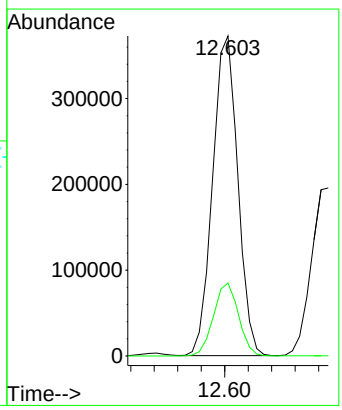


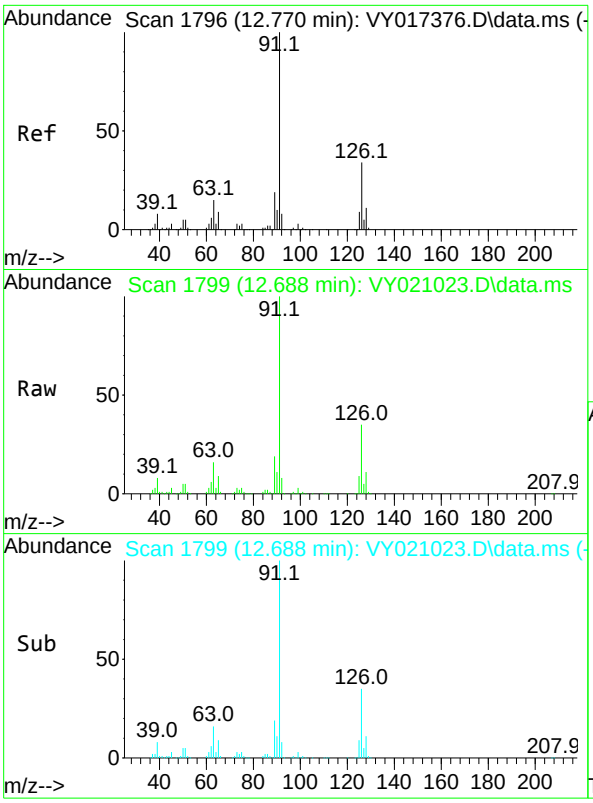




#78
n-propylbenzene
Concen: 55.653 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 554600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.8 | 35.4 |



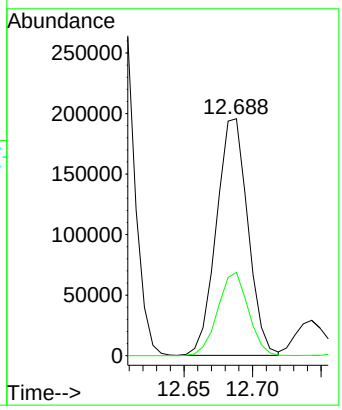


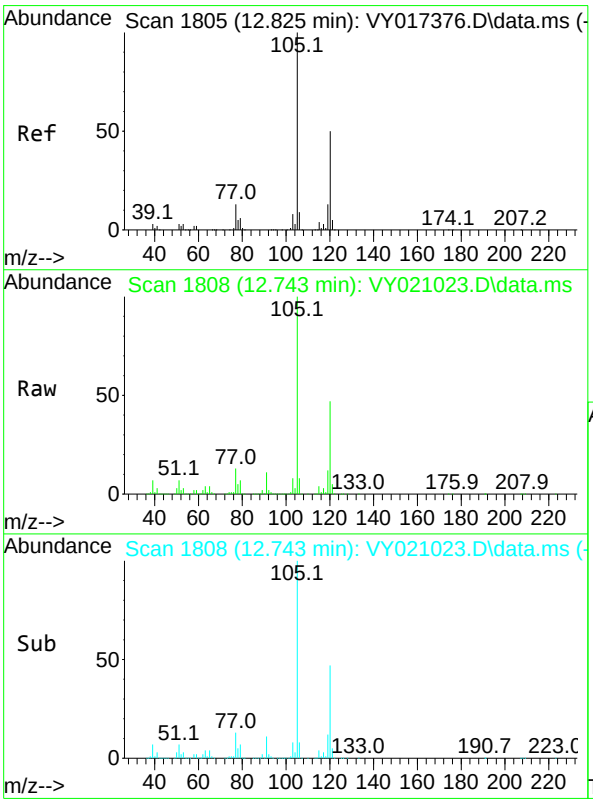

#79
2-Chlorotoluene
Concen: 55.113 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 312917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 17.3 | 51.9 |

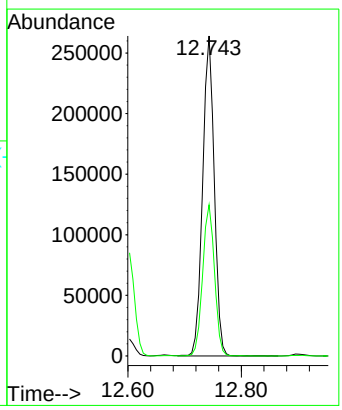


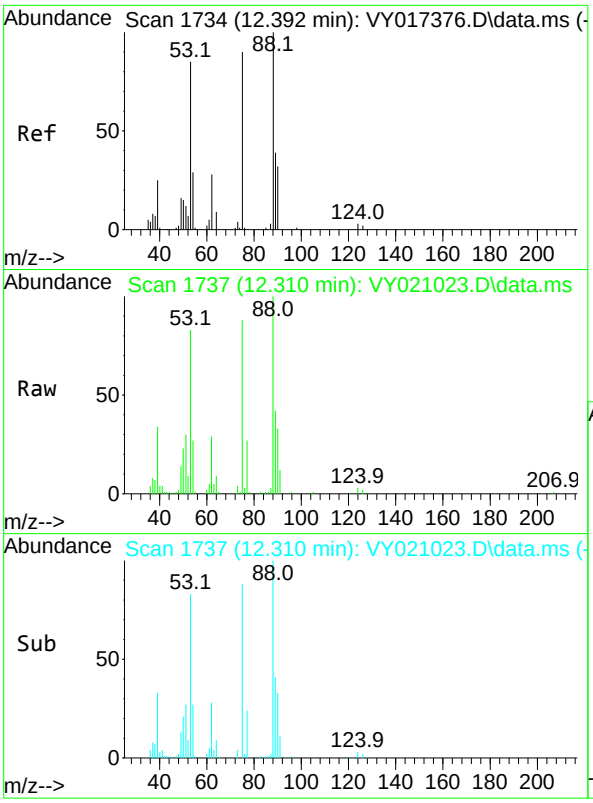




#80
1,3,5-Trimethylbenzene
Concen: 54.032 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 376397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 24.3 | 72.9 |



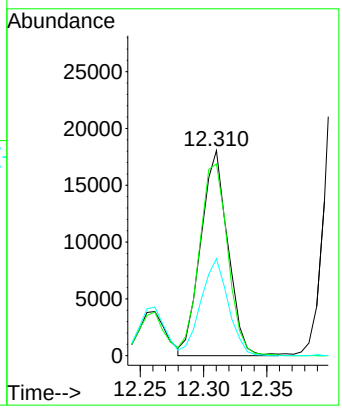


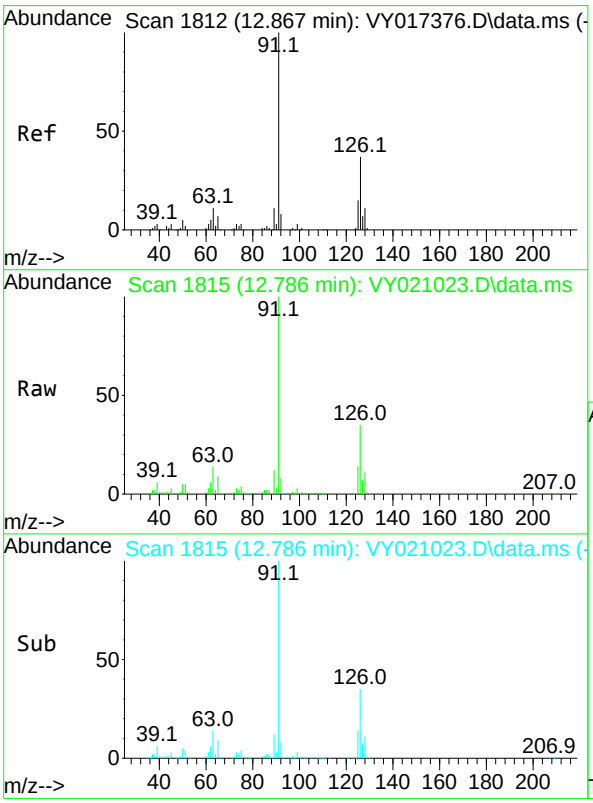

#81
trans-1,4-Dichloro-2-butene
Concen: 58.386 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 26957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 97.9 | 68.6 | 103.0 |
| 89 | 47.7 | 38.1 | 57.1 |

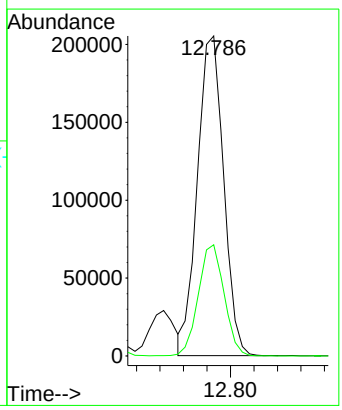


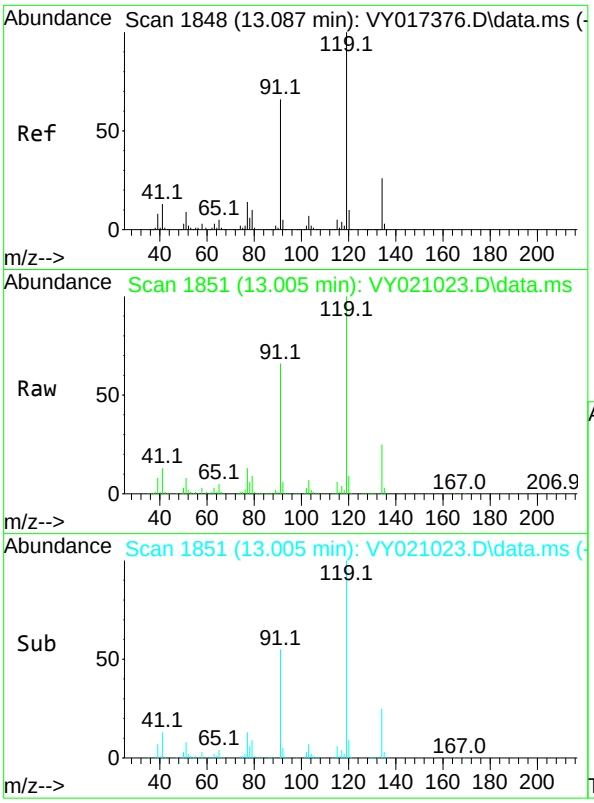




#82
4-Chlorotoluene
Concen: 54.527 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 91 Resp: 316855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.4 | 17.3 | 52.0 |



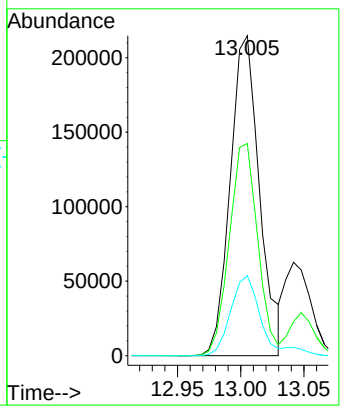


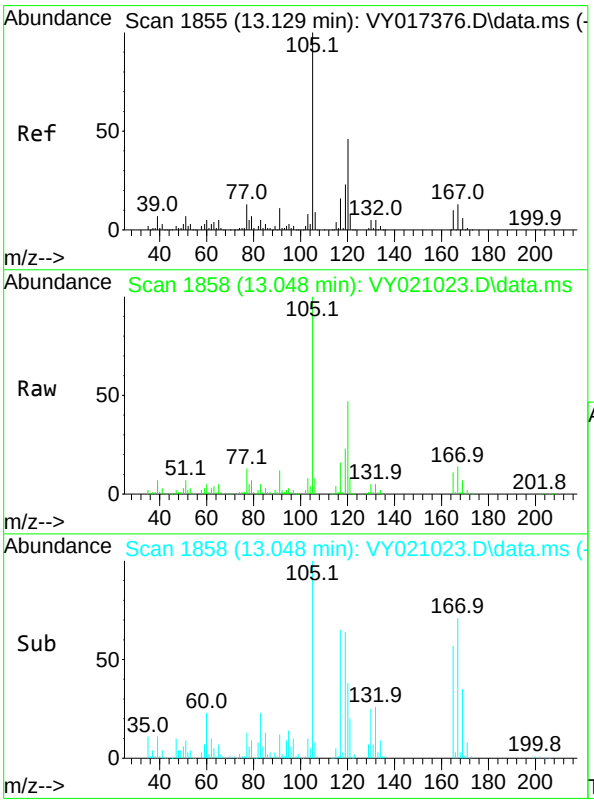

#83
tert-Butylbenzene
Concen: 53.757 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:119 Resp: 347315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.3 | 31.4 | 94.0 |
| 134 | 26.1 | 13.1 | 39.1 |

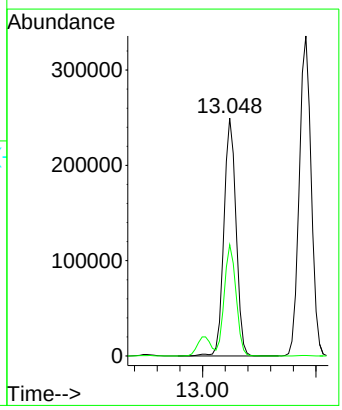


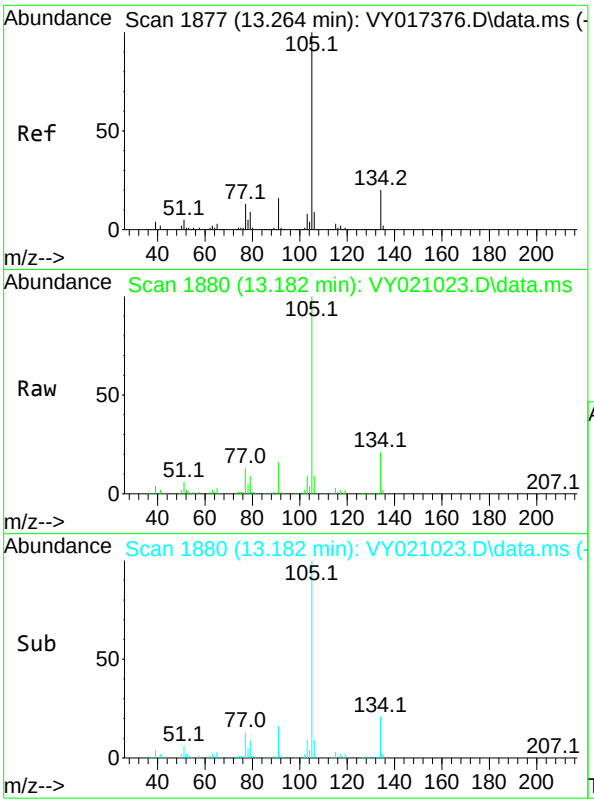




#84
1,2,4-Trimethylbenzene
Concen: 54.433 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:105 Resp: 370408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.4 | 22.7 | 68.0 |



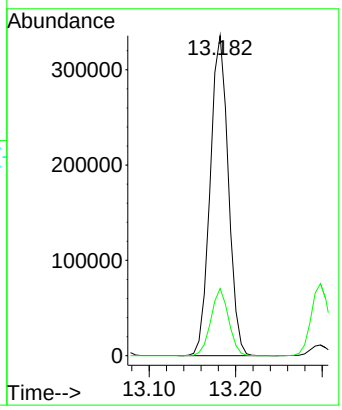


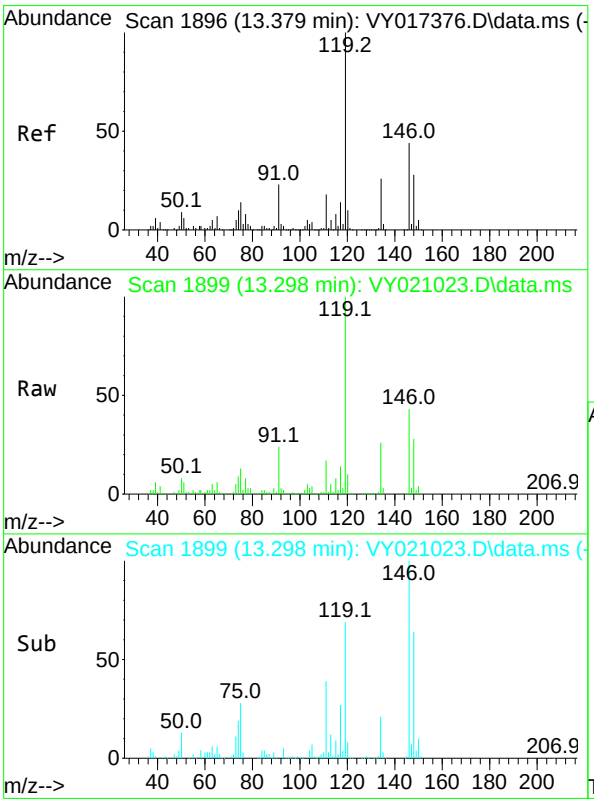

#85
sec-Butylbenzene
Concen: 53.440 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 488820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 10.3 | 30.8 |

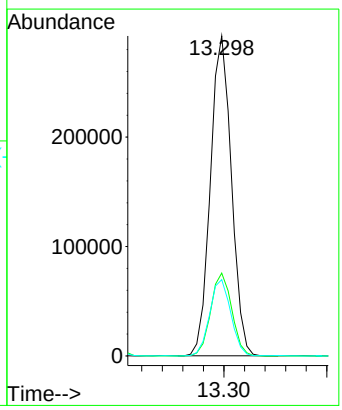


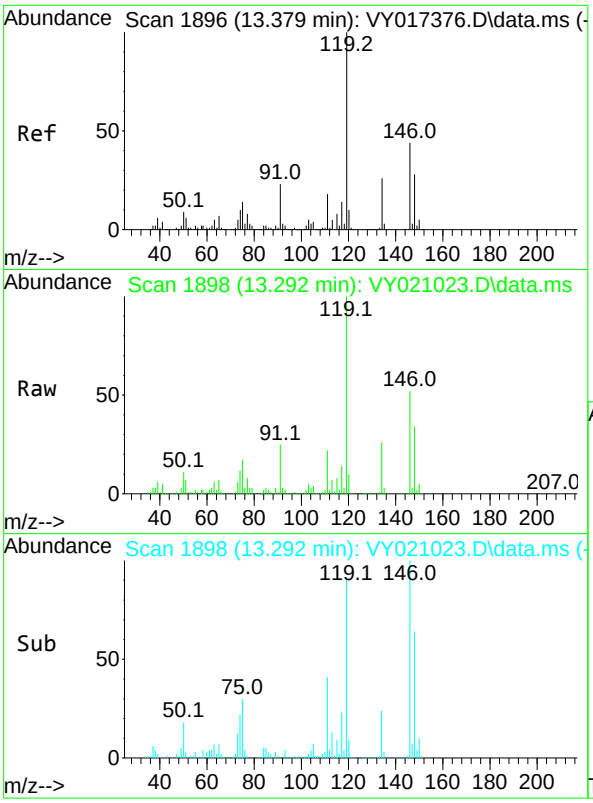




#86
p-Isopropyltoluene
Concen: 53.878 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:119 Resp: 414156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.1 | 39.3 |
| 91 | 24.1 | 11.5 | 34.5 |



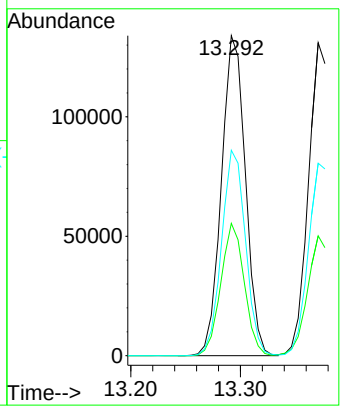


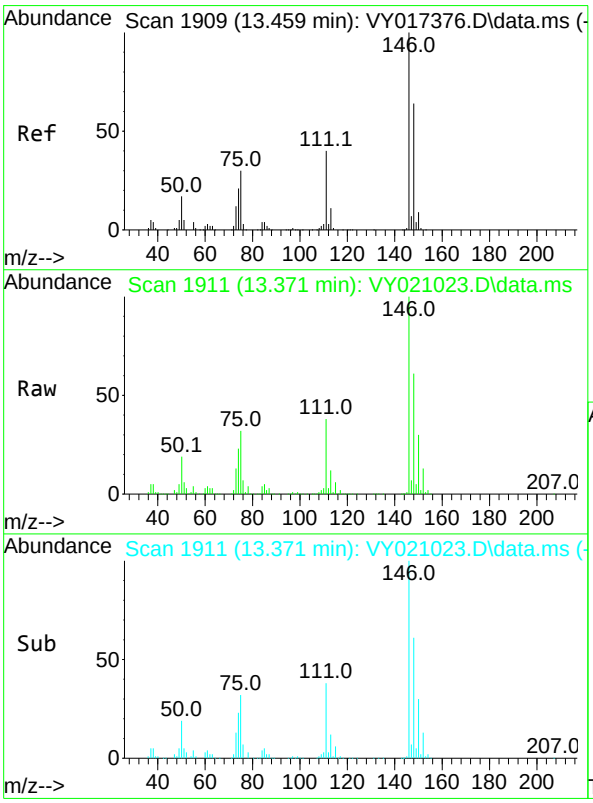

#87
1,3-Dichlorobenzene
Concen: 51.839 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 203767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 19.7 | 59.1 |
| 148 | 64.2 | 32.1 | 96.3 |

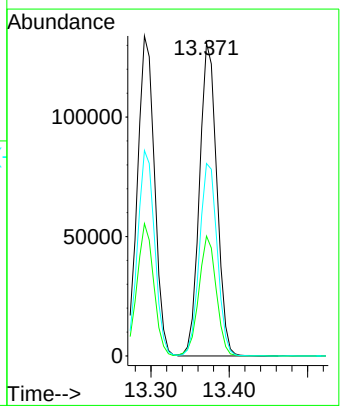


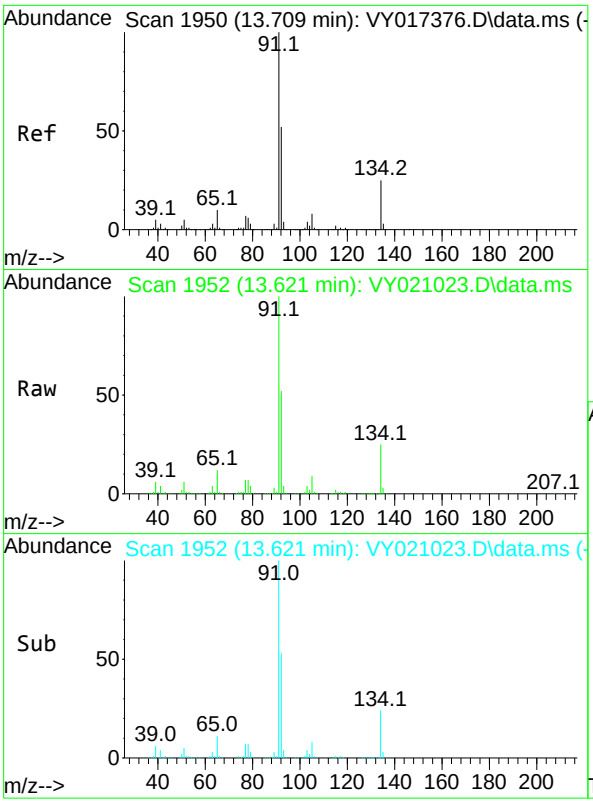




#88
1,4-Dichlorobenzene
Concen: 51.631 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:146 Resp: 201529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.4 | 19.0 | 57.0 |
| 148 | 63.1 | 31.6 | 95.0 |



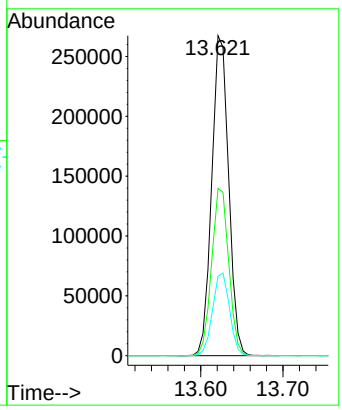


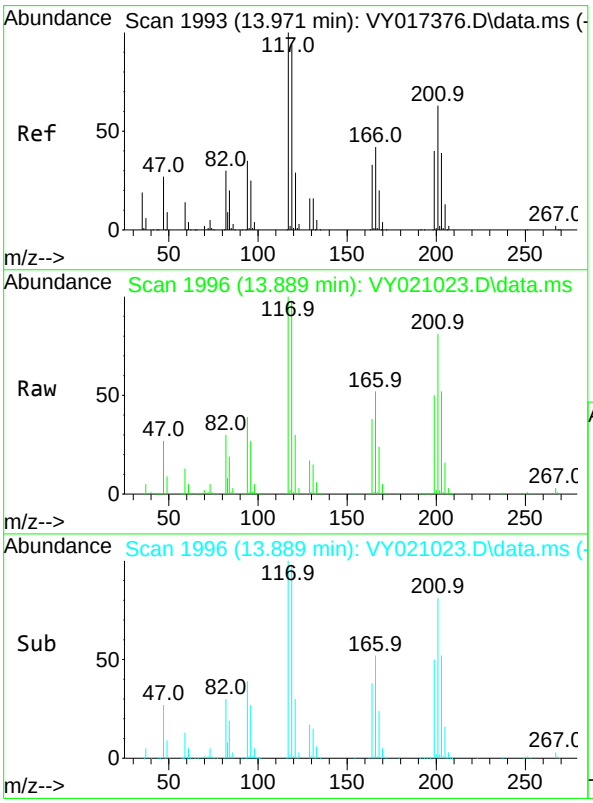

#89
n-Butylbenzene
Concen: 55.439 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 381707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.7 | 80.1 |
| 134 | 26.1 | 13.7 | 41.1 |

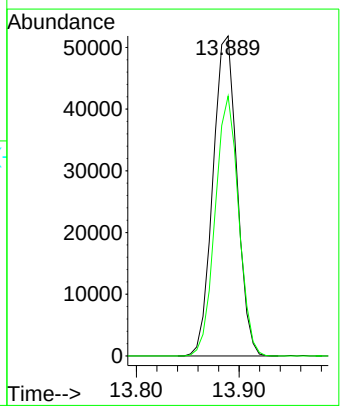


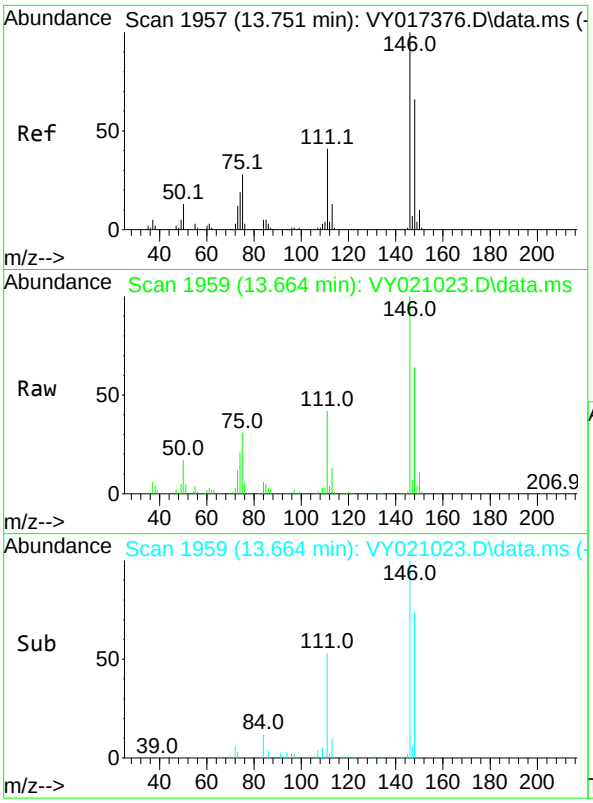




#90
Hexachloroethane
Concen: 54.167 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.007 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:117 Resp: 84237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 79.2 | 42.5 | 127.5 |



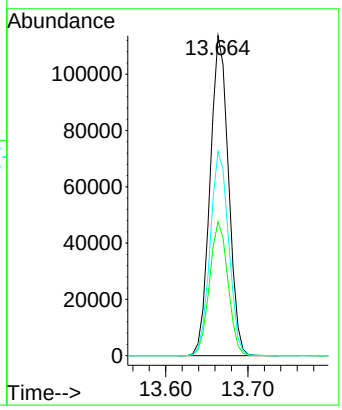


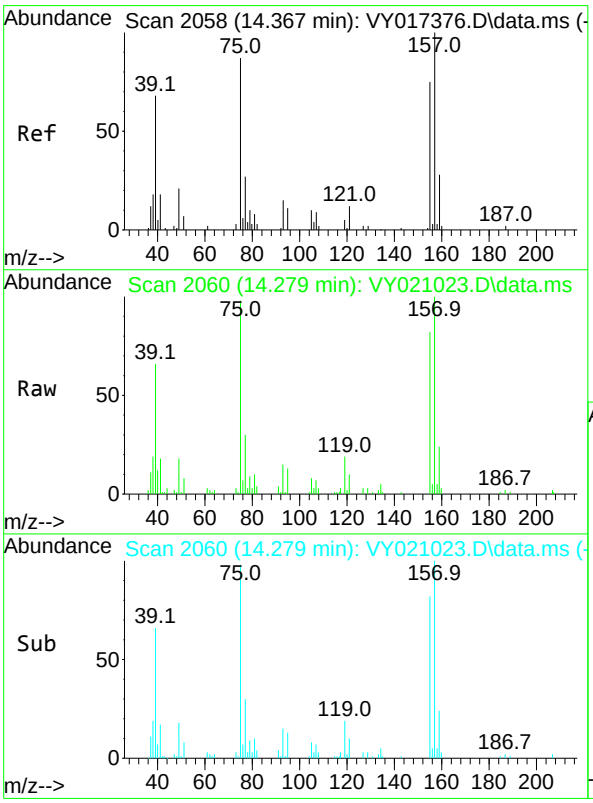

#91
1,2-Dichlorobenzene
Concen: 51.554 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 176718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 20.3 | 60.8 |
| 148 | 64.4 | 32.2 | 96.6 |

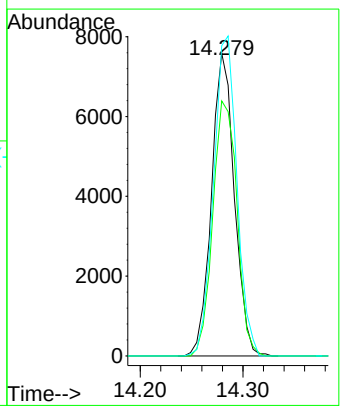


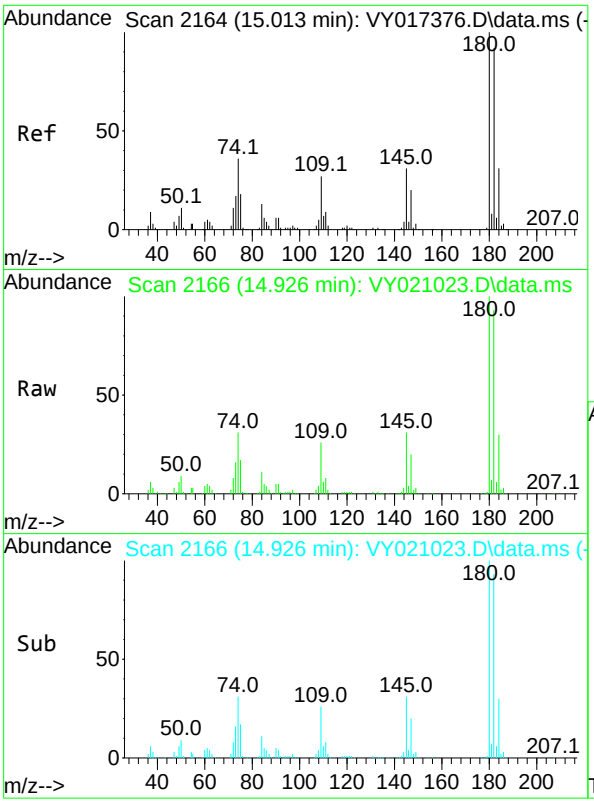




#92
1,2-Dibromo-3-Chloropropane
Concen: 55.445 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion: 75 Resp: 11716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 88.6 | 45.9 | 137.6 |
| 157 | 107.6 | 59.3 | 177.9 |



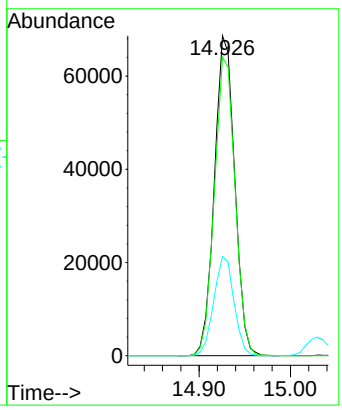


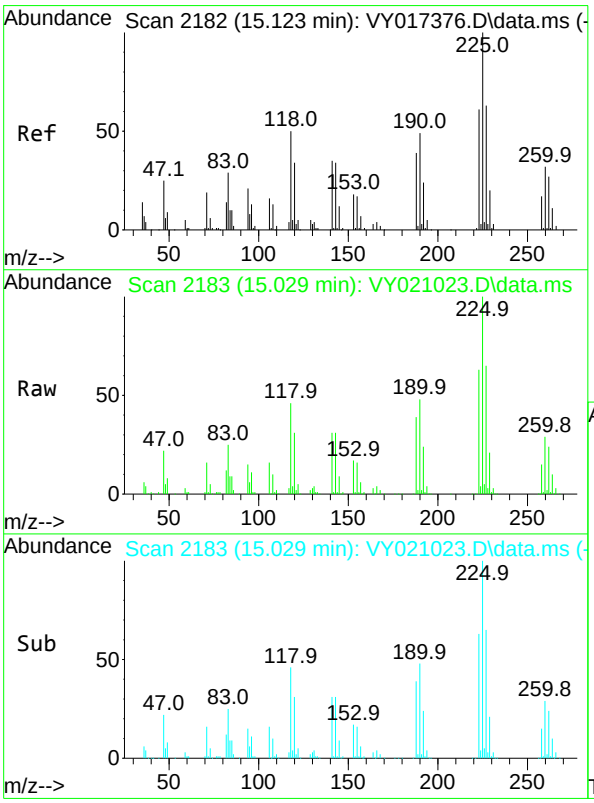

#93
1,2,4-Trichlorobenzene
Concen: 50.473 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:180 Resp: 105932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 48.3 | 144.8 |
| 145 | 30.8 | 15.3 | 45.8 |

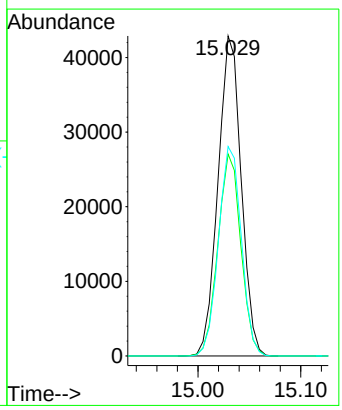


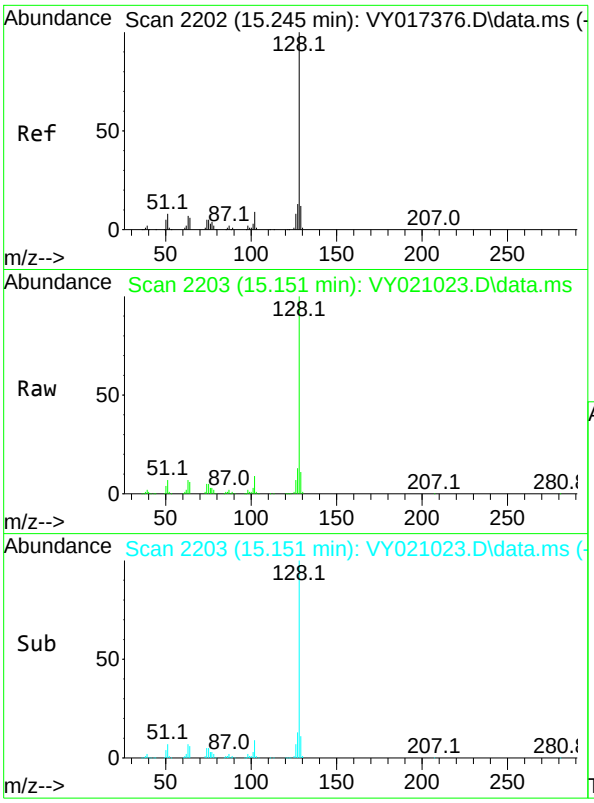




#94
Hexachlorobutadiene
Concen: 46.155 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.001 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:225 Resp: 67092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 31.4 | 94.2 |
| 227 | 64.6 | 31.8 | 95.3 |



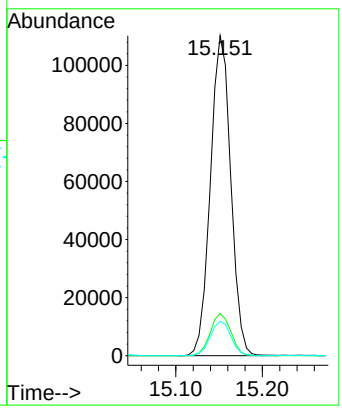


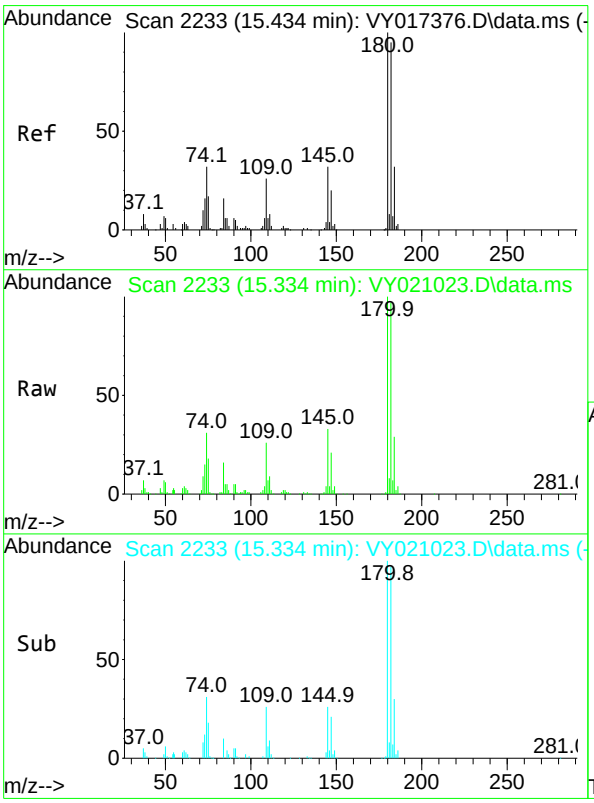

#95
Naphthalene
Concen: 53.412 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:128 Resp: 180166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.2 | 15.4 |
| 129 | 10.9 | 8.8 | 13.2 |

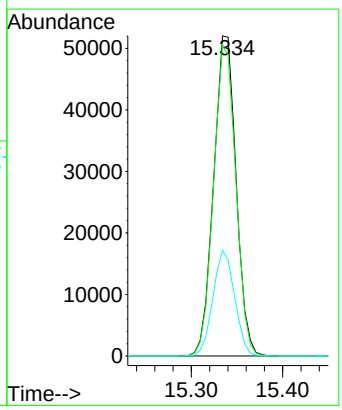



#96
1,2,3-Trichlorobenzene
Concen: 49.991 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021023.D
Acq: 03 Feb 2025 11:43

Tgt Ion:180 Resp: 88730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 47.7 | 143.1 |
| 145 | 31.9 | 15.6 | 46.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 190137 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 289157 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 248171 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152 | 115163 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.073 | 65 | 172797 | 106.741 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 213.480%# | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 171851 | 98.858 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 197.720%# | | | |
| 50) Toluene-d8 | 10.115 | 98 | 669691 | 98.702 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 197.400%# | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 216644 | 95.157 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = 190.320%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.873 | 85 | 159301 | 98.533 | ug/l | 100 |
| 3) Chloromethane | 2.074 | 50 | 153706 | 149.541 | ug/l | 98 |
| 4) Vinyl Chloride | 2.214 | 62 | 155011 | 146.266 | ug/l | 99 |
| 5) Bromomethane | 2.604 | 94 | 93622 | 130.495 | ug/l | 96 |
| 6) Chloroethane | 2.745 | 64 | 91012 | 147.011 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 282462 | 110.443 | ug/l | 99 |
| 8) Diethyl Ether | 3.464 | 74 | 87561 | 114.680 | ug/l | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 177279 | 102.939 | ug/l | 95 |
| 10) Methyl Iodide | 4.019 | 142 | 218905 | 111.078 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.872 | 59 | 53461 | 452.085 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 171787 | 106.739 | ug/l | 88 |
| 13) Acrolein | 3.659 | 56 | 89546 | 657.572 | ug/l | 99 |
| 14) Allyl chloride | 4.397 | 41 | 294317 | 132.835 | ug/l | 92 |
| 15) Acrylonitrile | 5.067 | 53 | 179975 | 573.057 | ug/l | 99 |
| 16) Acetone | 3.879 | 43 | 133780 | 606.320 | ug/l | 90 |
| 17) Carbon Disulfide | 4.116 | 76 | 540251 | 108.991 | ug/l | 100 |
| 18) Methyl Acetate | 4.397 | 43 | 96229 | 124.639 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 5.128 | 73 | 427571 | 114.141 | ug/l | 99 |
| 20) Methylene Chloride | 4.628 | 84 | 171778 | 105.558 | ug/l | 89 |
| 21) trans-1,2-Dichloroethene | 5.128 | 96 | 186520 | 108.095 | ug/l | 93 |
| 22) Diisopropyl ether | 6.031 | 45 | 598063 | 132.422 | ug/l | 97 |
| 23) Vinyl Acetate | 5.970 | 43 | 1653156 | 660.973 | ug/l | 95 |
| 24) 1,1-Dichloroethane | 5.933 | 63 | 346367 | 118.878 | ug/l | 98 |
| 25) 2-Butanone | 6.902 | 43 | 229517 | 613.177 | ug/l | 92 |
| 26) 2,2-Dichloropropane | 6.896 | 77 | 311254 | 108.502 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 218816 | 110.326 | ug/l | 94 |
| 28) Bromochloromethane | 7.256 | 49 | 142156 | 130.955 | ug/l | 83 |
| 29) Tetrahydrofuran | 7.274 | 42 | 153104 | 607.855 | ug/l | 92 |
| 30) Chloroform | 7.433 | 83 | 350416 | 111.040 | ug/l | 99 |
| 31) Cyclohexane | 7.713 | 56 | 296243 | 104.021 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 328296 | 107.493 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 7.847 | 75 | 258833 | 104.370 | ug/l | 97 |
| 37) Ethyl Acetate | 6.994 | 43 | 108807 | 117.685 | ug/l | 97 |
| 38) Carbon Tetrachloride | 7.829 | 117 | 302001 | 98.406 | ug/l | 98 |
| 39) Methylcyclohexane | 9.115 | 83 | 329865 | 99.014 | ug/l | 94 |
| 40) Benzene | 8.091 | 78 | 765340 | 104.883 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.226 | 41 | 51586 | 100.841 ug/l | 90 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 203840 | 110.147 ug/l | 98 |
| 43) Isopropyl Acetate | 8.207 | 43 | 224883 | 121.752 ug/l # | 86 |
| 44) Trichloroethene | 8.872 | 130 | 195403 | 97.046 ug/l | 94 |
| 45) 1,2-Dichloropropane | 9.152 | 63 | 179965 | 110.034 ug/l | 99 |
| 46) Dibromomethane | 9.237 | 93 | 95968 | 100.827 ug/l | 95 |
| 47) Bromodichloromethane | 9.432 | 83 | 265518 | 106.226 ug/l | 98 |
| 48) Methyl methacrylate | 9.225 | 41 | 107661 | 122.427 ug/l | 90 |
| 49) 1,4-Dioxane | 9.237 | 88 | 18378 | 1817.108 ug/l # | 95 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 562082 | 592.226 ug/l | 94 |
| 52) Toluene | 10.176 | 92 | 488296 | 103.090 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 246769 | 109.097 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 9.865 | 75 | 289643 | 107.141 ug/l # | 91 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 125626 | 99.248 ug/l | 100 |
| 56) Ethyl methacrylate | 10.445 | 69 | 184212 | 111.337 ug/l | 88 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 220204 | 102.639 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 421206 | 599.795 ug/l | 95 |
| 59) 2-Hexanone | 10.768 | 43 | 373249 | 605.028 ug/l | 92 |
| 60) Dibromochloromethane | 10.920 | 129 | 179036 | 99.202 ug/l | 99 |
| 61) 1,2-Dibromoethane | 11.024 | 107 | 117576 | 97.250 ug/l | 98 |
| 64) Tetrachloroethene | 10.652 | 164 | 174223 | 93.066 ug/l | 97 |
| 65) Chlorobenzene | 11.450 | 112 | 519942 | 99.441 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 185418 | 99.917 ug/l | 99 |
| 67) Ethyl Benzene | 11.524 | 91 | 950017 | 104.939 ug/l | 98 |
| 68) m/p-Xylenes | 11.639 | 106 | 705393 | 202.801 ug/l | 97 |
| 69) o-Xylene | 11.963 | 106 | 332346 | 102.783 ug/l | 97 |
| 70) Styrene | 11.975 | 104 | 559633 | 104.245 ug/l | 98 |
| 71) Bromoform | 12.139 | 173 | 101615 | 92.910 ug/l # | 99 |
| 73) Isopropylbenzene | 12.261 | 105 | 891697 | 110.247 ug/l | 100 |
| 74) N-amyl acetate | 12.078 | 43 | 196809 | 133.629 ug/l | 91 |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83 | 137599 | 105.393 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 184099 | 201.939 ug/l # | 100 |
| 77) Bromobenzene | 12.542 | 156 | 198715 | 103.627 ug/l | 93 |
| 78) n-propylbenzene | 12.603 | 91 | 1057216 | 111.529 ug/l | 98 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 592096 | 109.632 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 713935 | 107.741 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 47846 | 108.944 ug/l | 92 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 597047 | 108.014 ug/l | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 638740 | 103.933 ug/l | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.054 | 105 | 701716 | 108.409 ug/l | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 931799 | 107.093 ug/l | 100 |
| 86) p-Isopropyltoluene | 13.304 | 119 | 778814 | 106.512 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 13.298 | 146 | 380481 | 101.760 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 13.377 | 146 | 368361 | 99.212 ug/l | 99 |
| 89) n-Butylbenzene | 13.627 | 91 | 720257 | 109.974 ug/l | 98 |
| 90) Hexachloroethane | 13.889 | 117 | 160918 | 108.782 ug/l | 94 |
| 91) 1,2-Dichlorobenzene | 13.670 | 146 | 323508 | 99.218 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75 | 20553 | 102.253 ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 14.932 | 180 | 201024 | 100.693 ug/l | 100 |
| 94) Hexachlorobutadiene | 15.035 | 225 | 124879 | 90.315 ug/l | 100 |
| 95) Naphthalene | 15.157 | 128 | 331641 | 103.361 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 167187 | 99.024 ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration

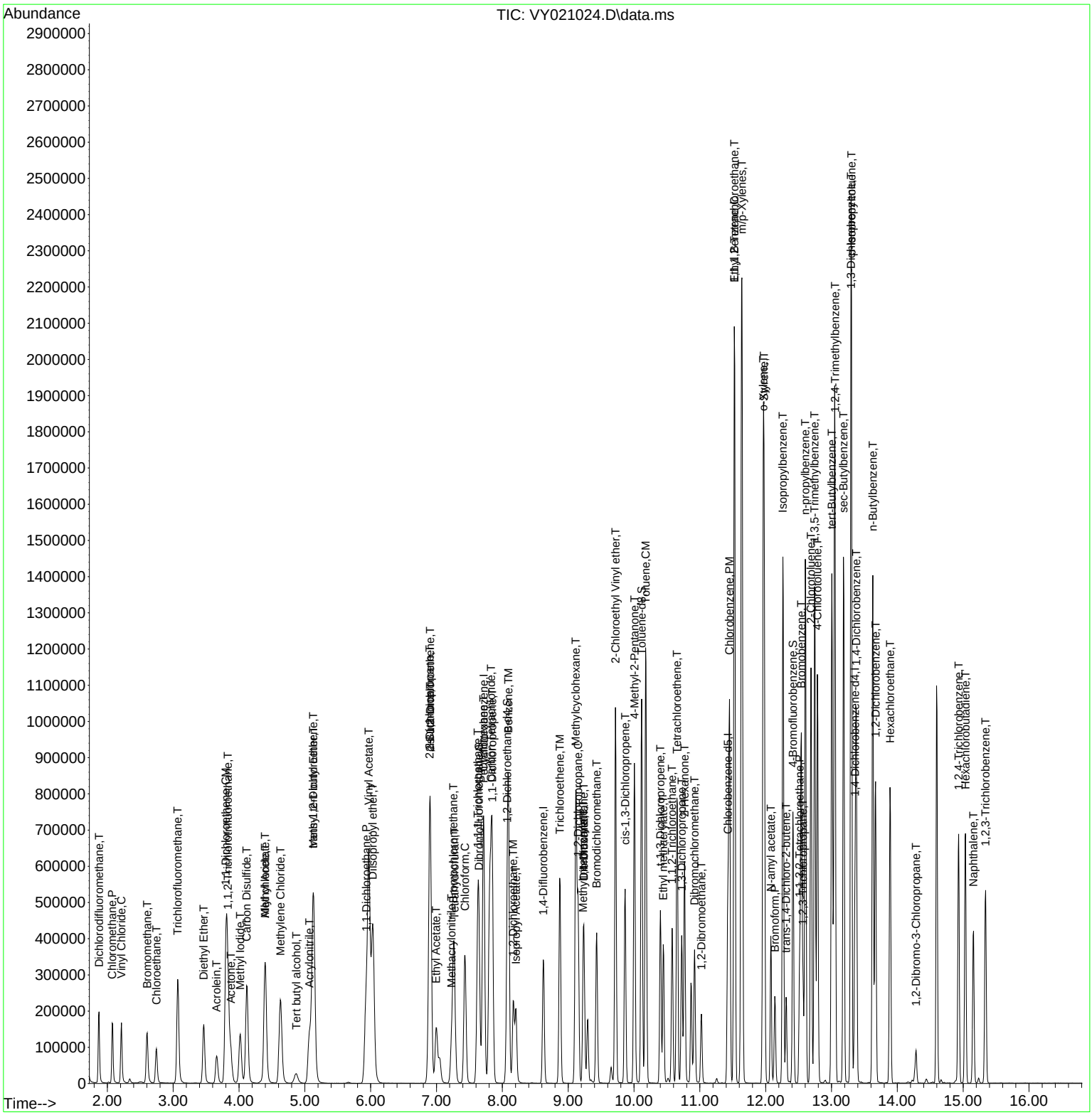
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

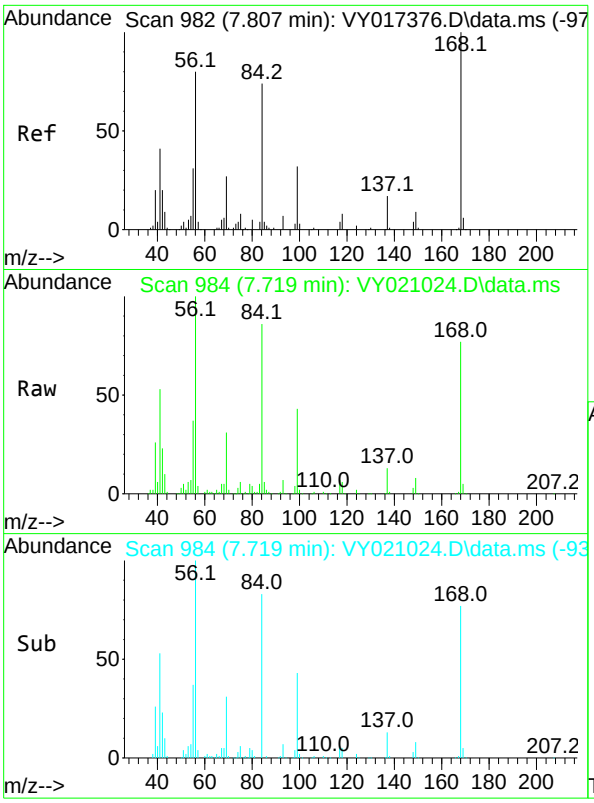
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021024.D
Acq On : 03 Feb 2025 12:21
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Quant Time: Feb 03 12:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:36:41 2025
Response via : Initial Calibration



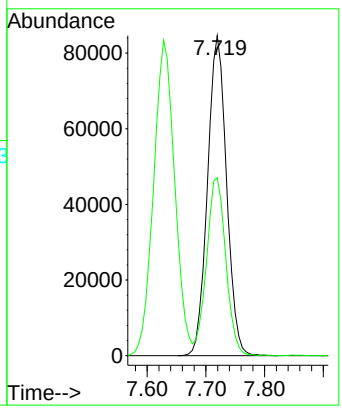


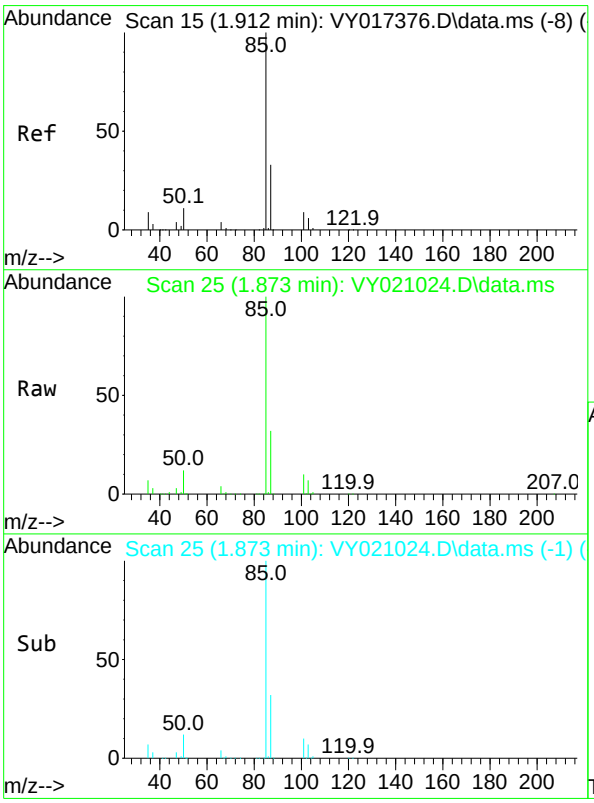

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:168 Resp: 190137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.5 | 42.2 | 63.2 |

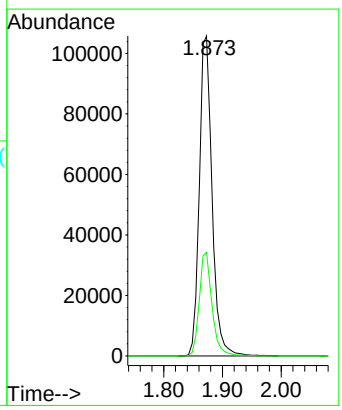


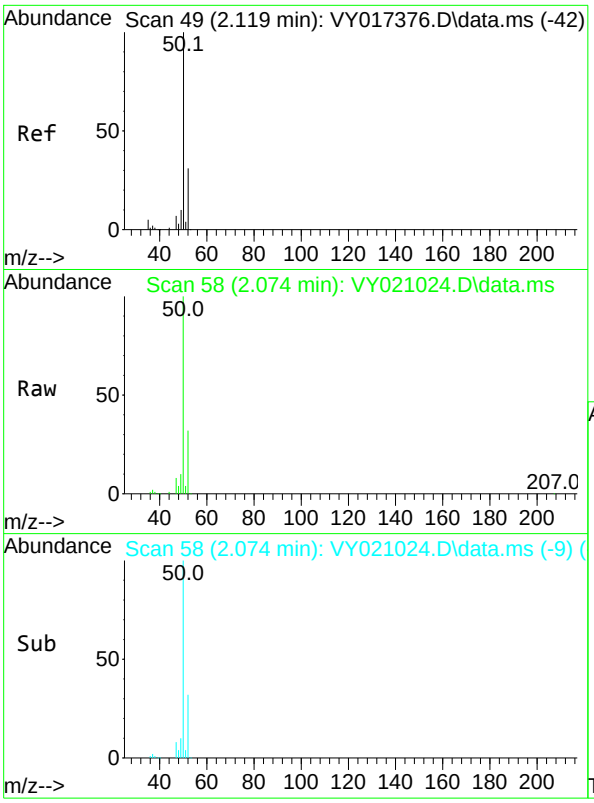




#2
Dichlorodifluoromethane
Concen: 98.533 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 85 Resp: 159301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 16.3 | 48.9 |



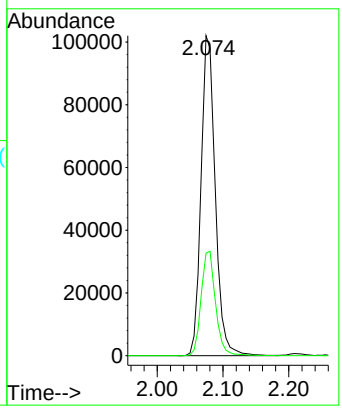


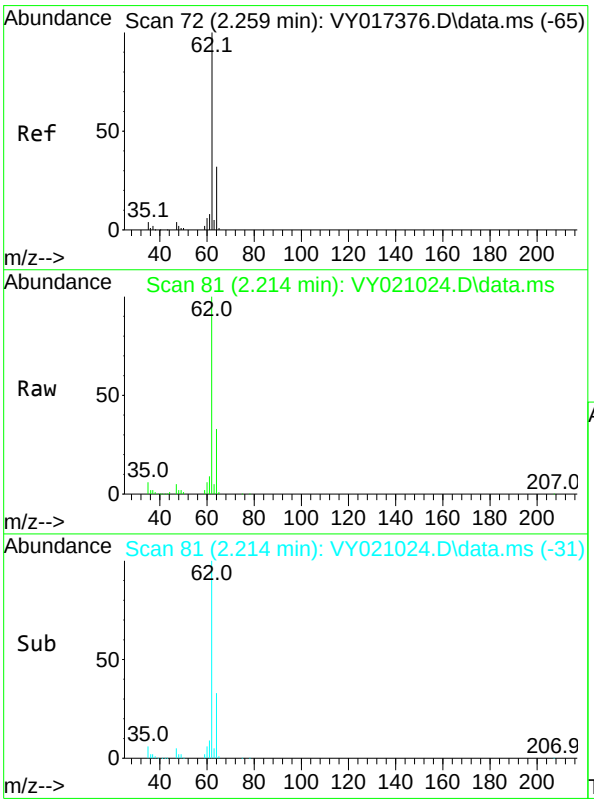

#3
Chloromethane
Concen: 149.541 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 50 Resp: 153706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.3 | 39.5 |

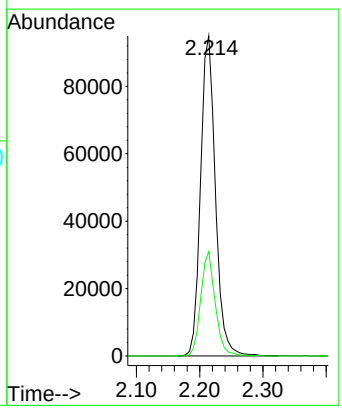


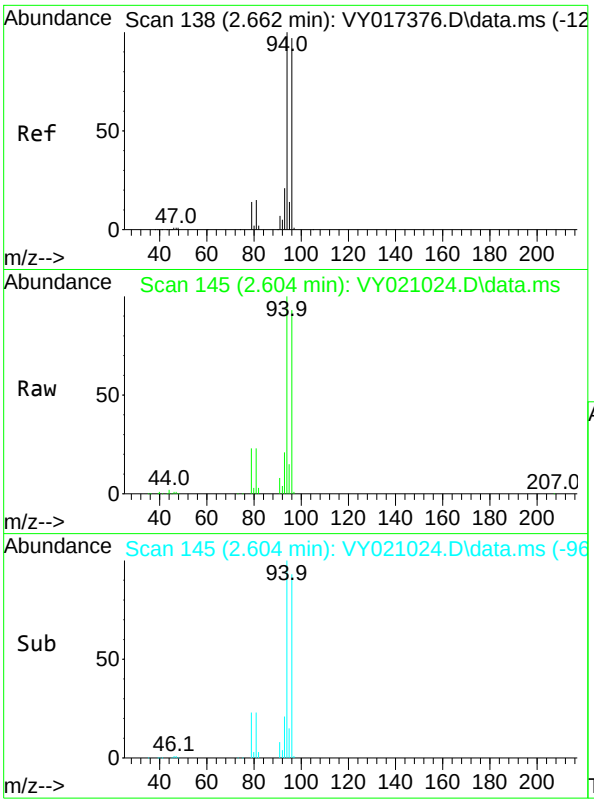




#4
Vinyl Chloride
Concen: 146.266 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 62 Resp: 155011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.6 | 25.4 | 38.2 |



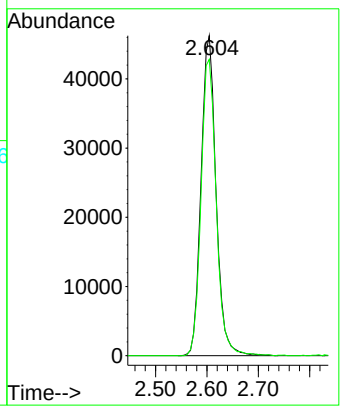


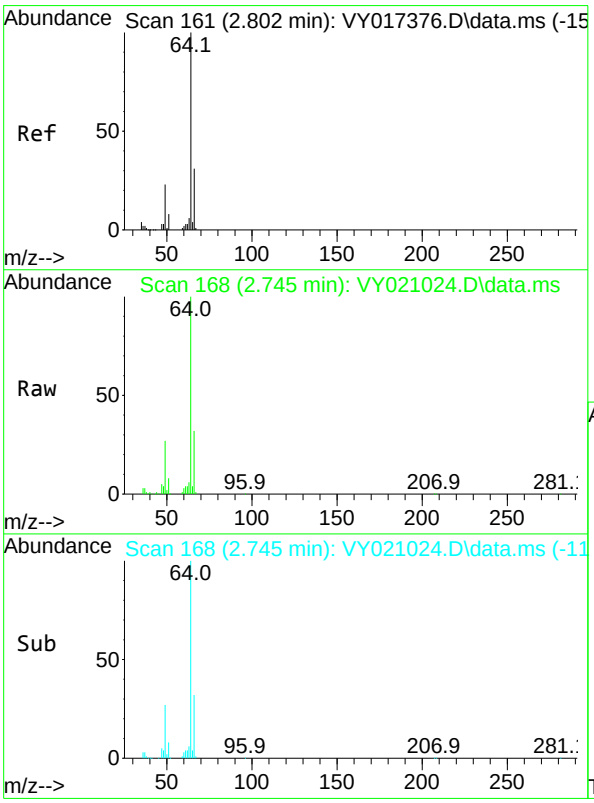

#5
Bromomethane
Concen: 130.495 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 94 Resp: 93622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.6 | 77.4 | 116.0 |

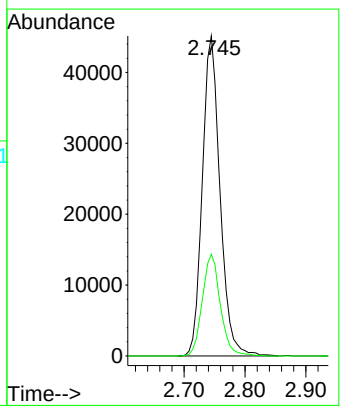


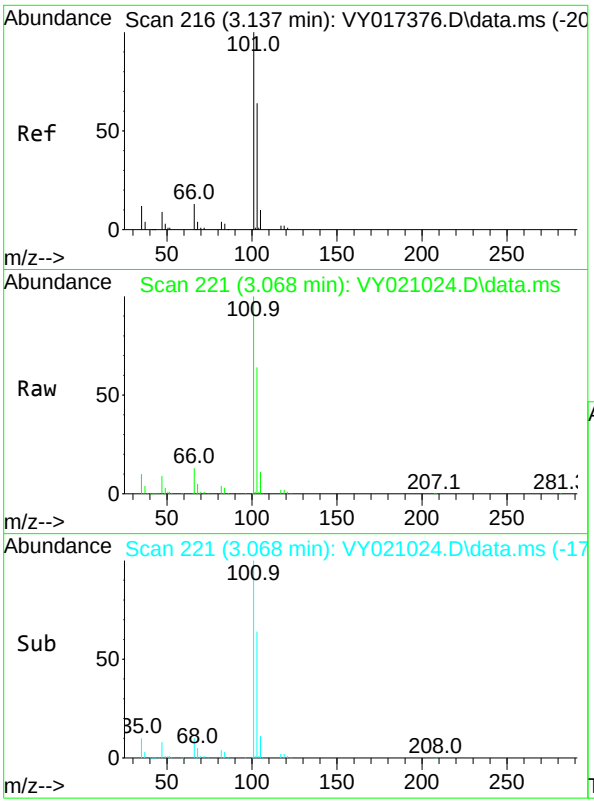




#6
Chloroethane
Concen: 147.011 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 64 Resp: 91012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 25.0 | 37.4 |



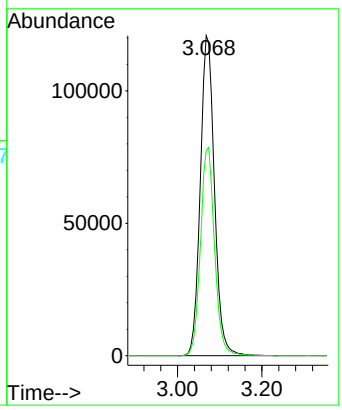


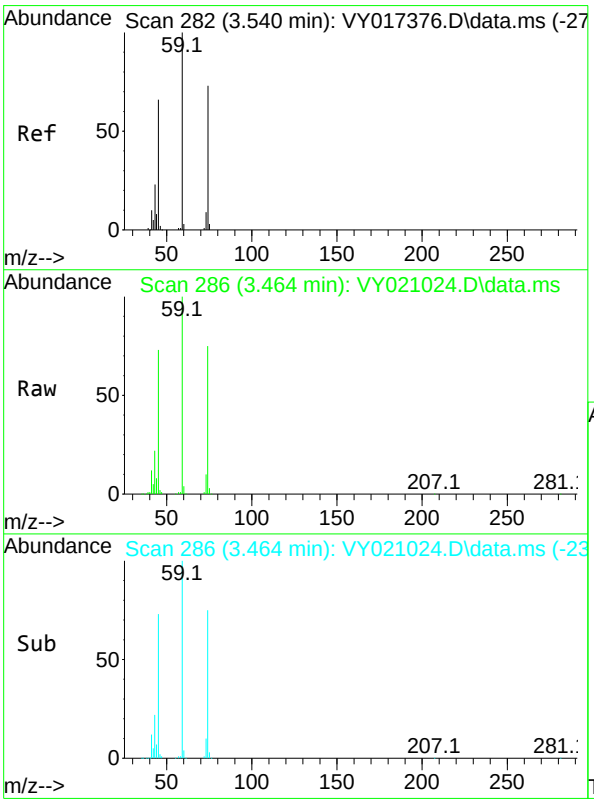

#7
Trichlorofluoromethane
Concen: 110.443 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 282462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.2 | 50.9 | 76.3 |

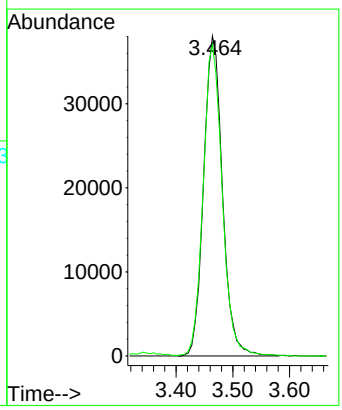


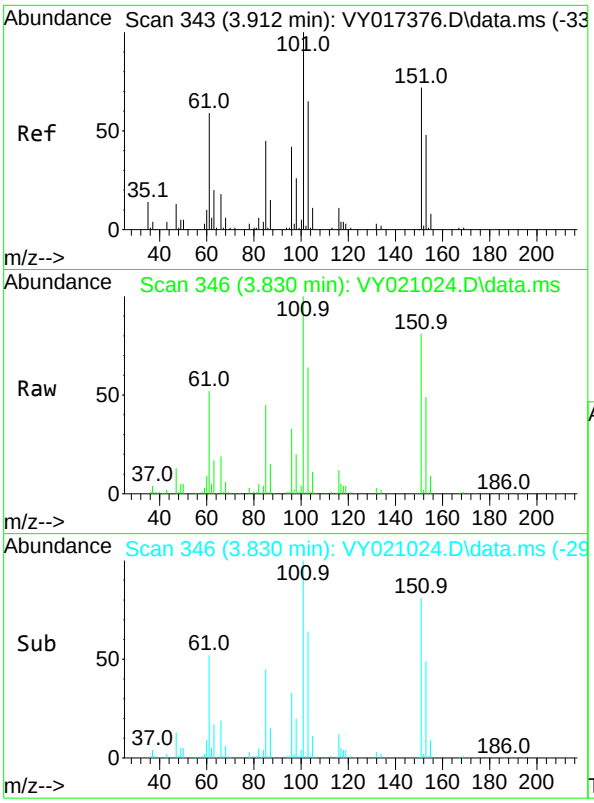




#8
Diethyl Ether
Concen: 114.680 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 74 Resp: 87561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 98.9 | 43.4 | 130.2 |



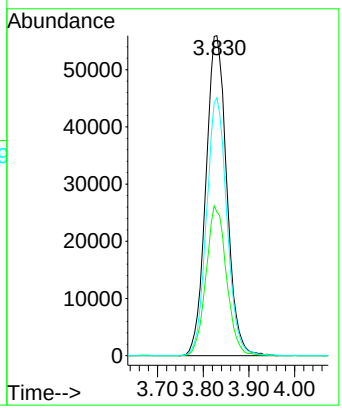


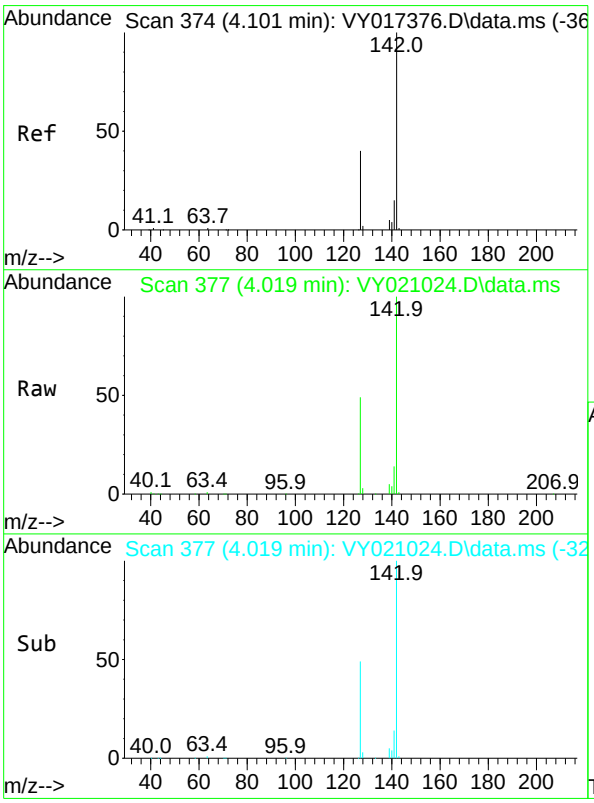

#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.939 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 177279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.9 | 34.9 | 52.3 |
| 151 | 78.9 | 66.8 | 100.2 |

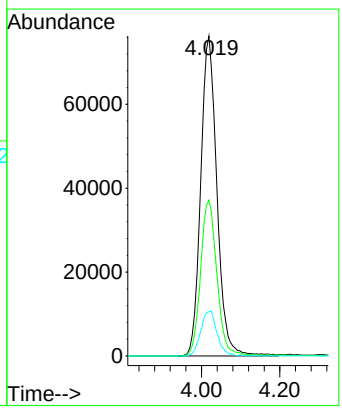


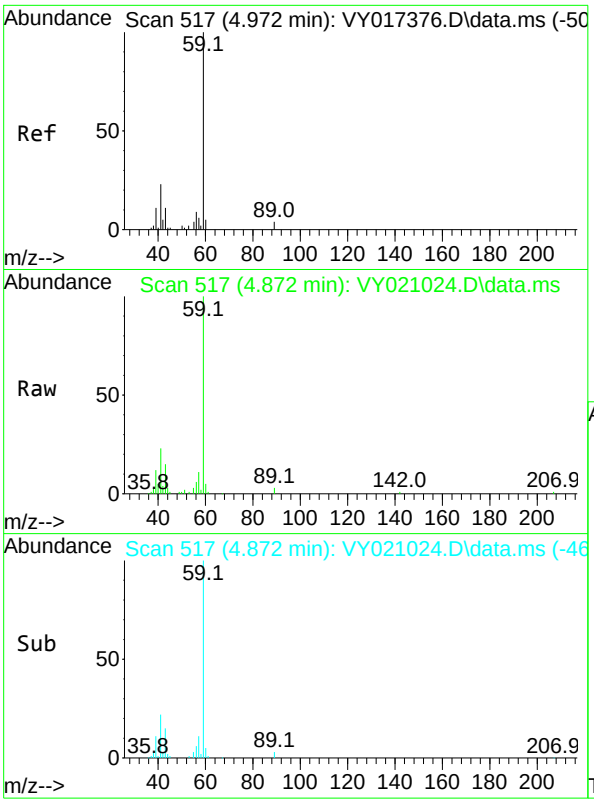




#10
Methyl Iodide
Concen: 111.078 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:142 Resp: 218905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.2 | 38.9 | 58.3 |
| 141 | 14.2 | 11.7 | 17.5 |



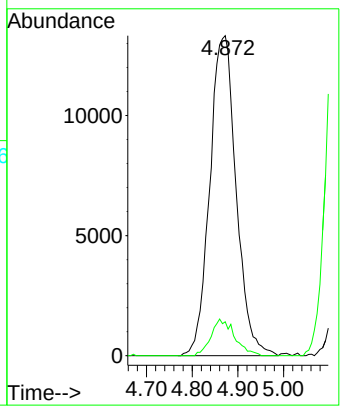


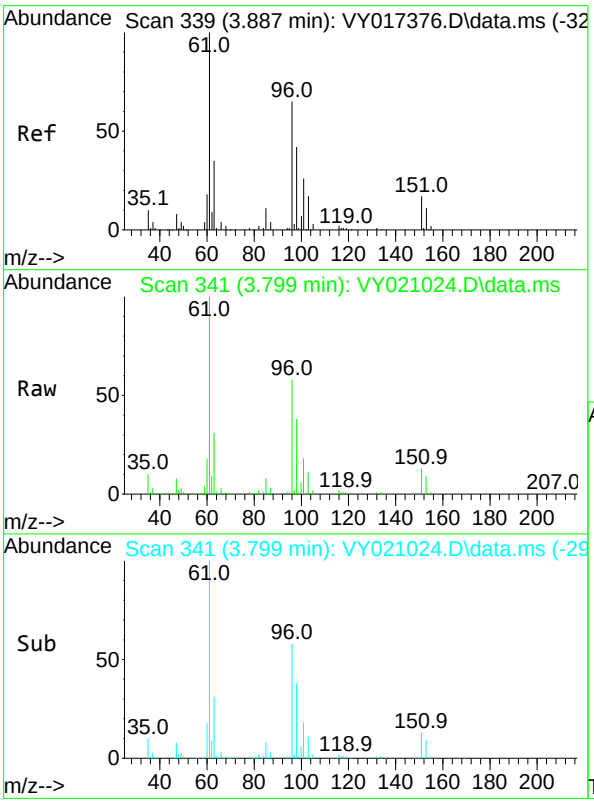

#11
Tert butyl alcohol
Concen: 452.085 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 59 Resp: 53461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.8 | 11.8 |

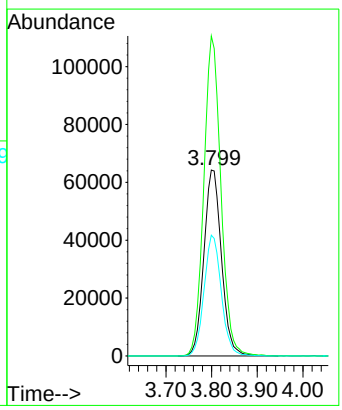


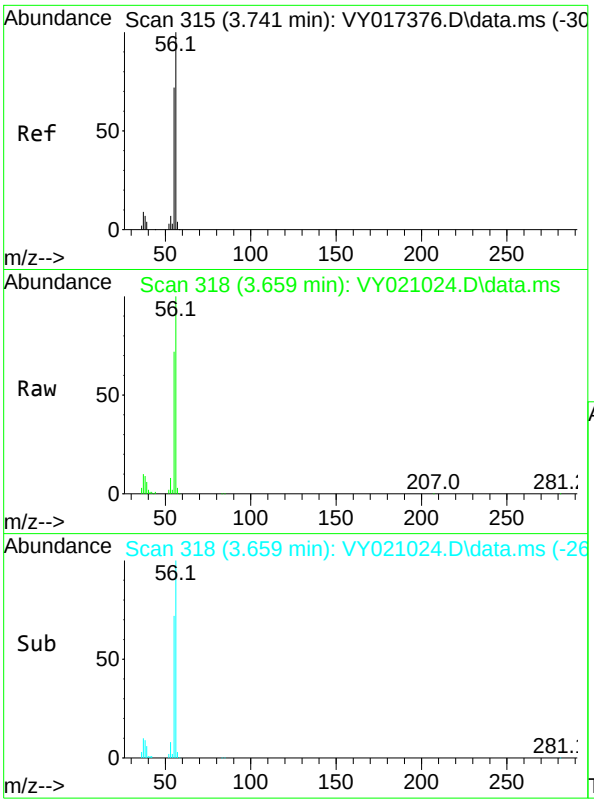




#12
1,1-Dichloroethene
Concen: 106.739 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 96 Resp: 171787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.1 | 120.8 | 181.2 |
| 98 | 64.9 | 50.6 | 76.0 |



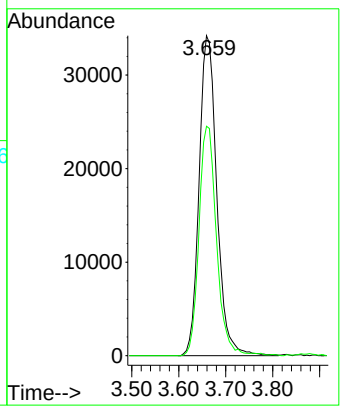


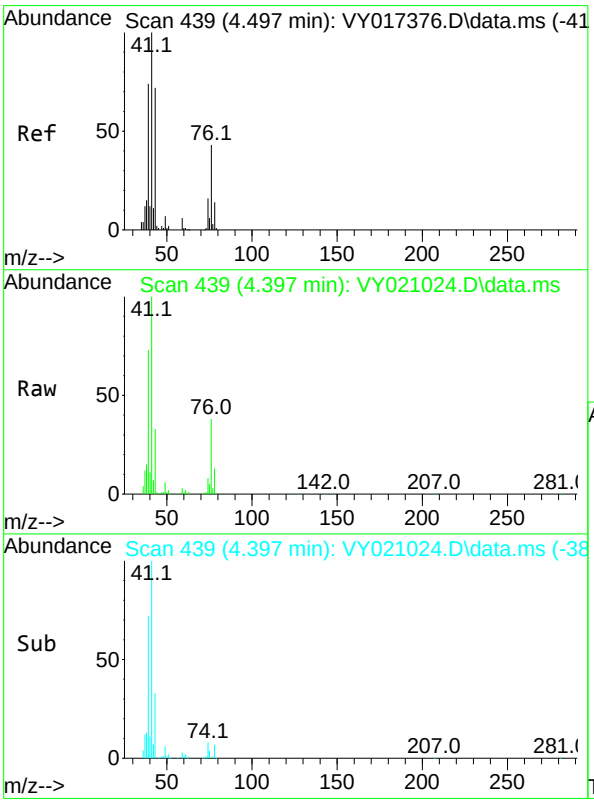

#13
Acrolein
Concen: 657.572 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 89546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.2 | 56.1 | 84.1 |

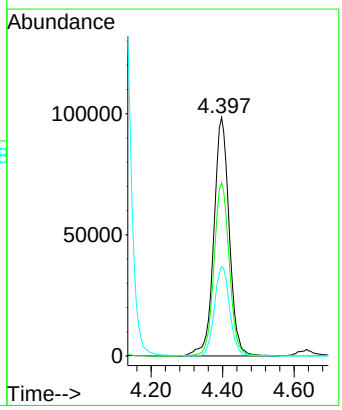


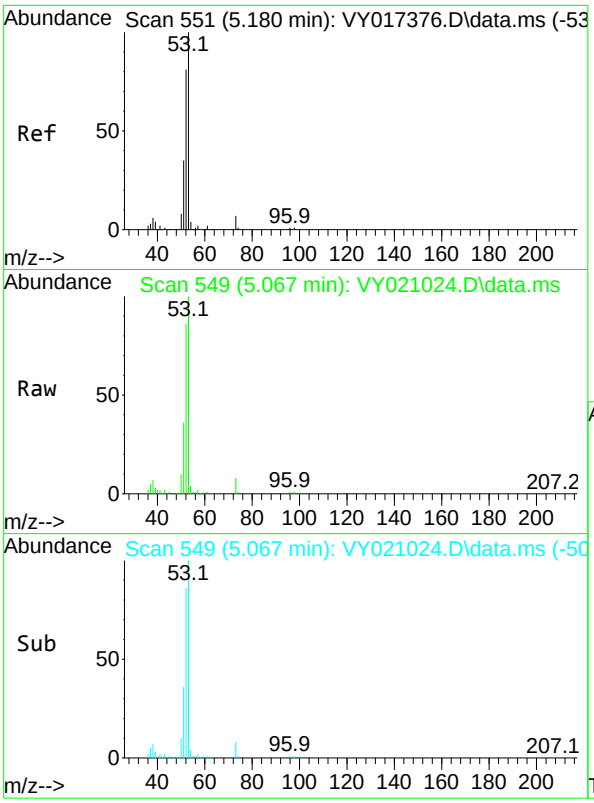




#14
Allyl chloride
Concen: 132.835 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 294317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.0 | 53.5 | 80.3 |
| 76 | 37.1 | 34.6 | 52.0 |



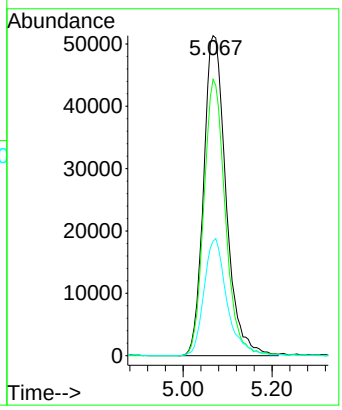


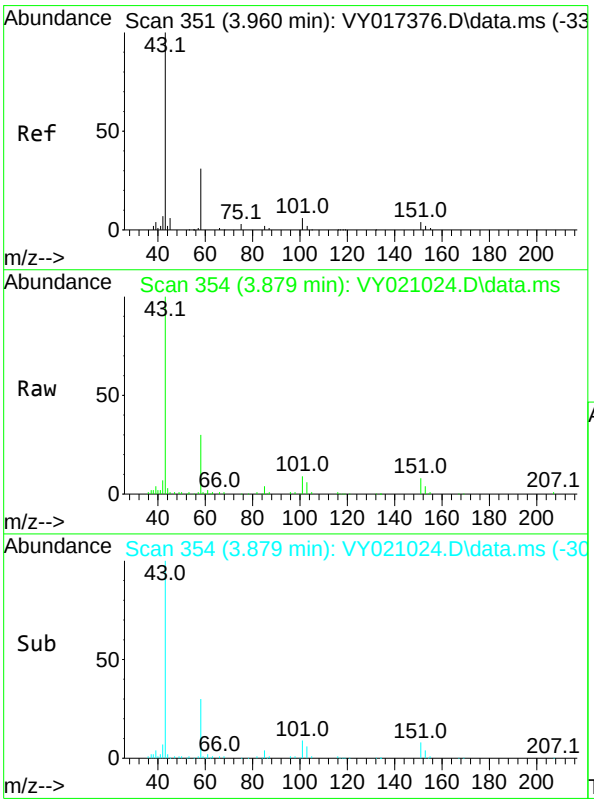

#15
Acrylonitrile
Concen: 573.057 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 53 Resp: 179975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 66.2 | 99.4 |
| 51 | 37.6 | 29.4 | 44.0 |

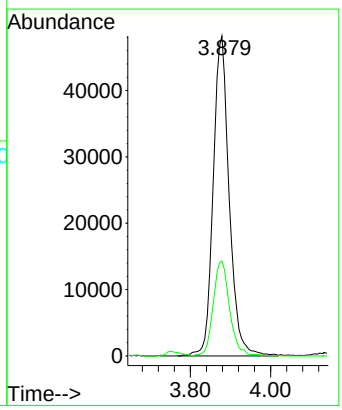


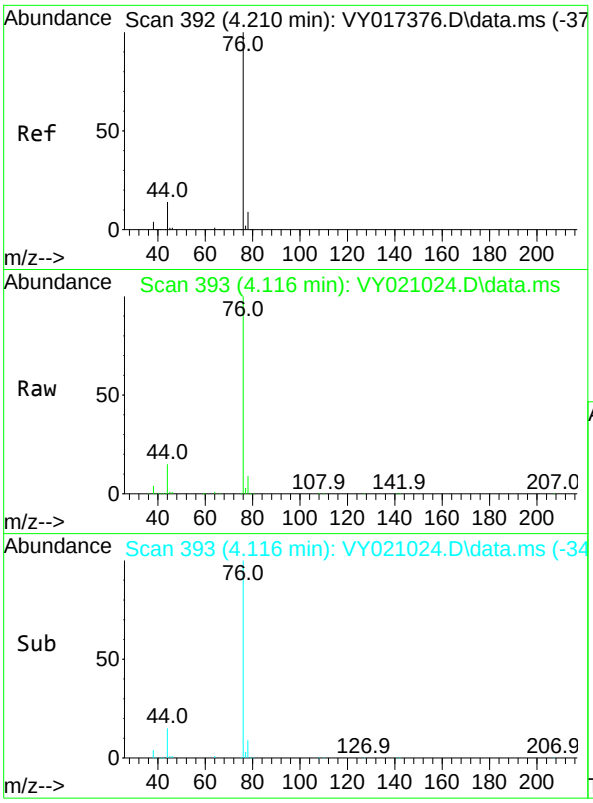




#16
Acetone
Concen: 606.320 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 133780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.6 | 28.4 | 42.6 |



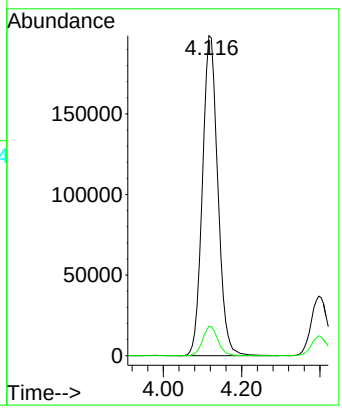


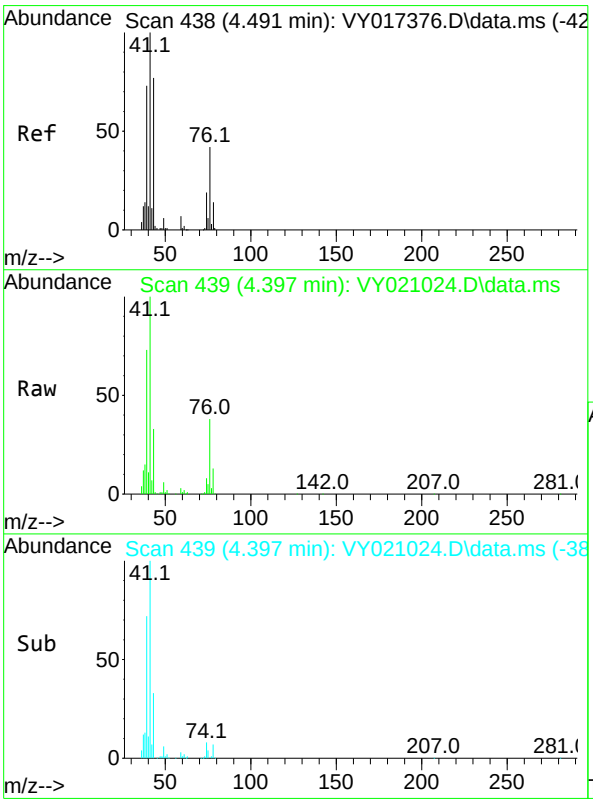

#17
Carbon Disulfide
Concen: 108.991 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 540251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.3 | 10.9 |

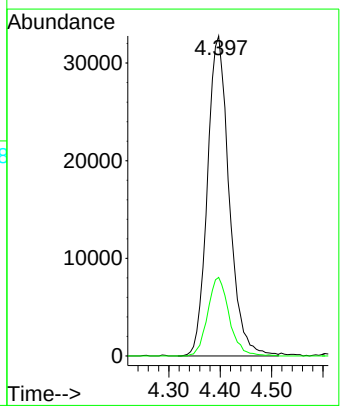


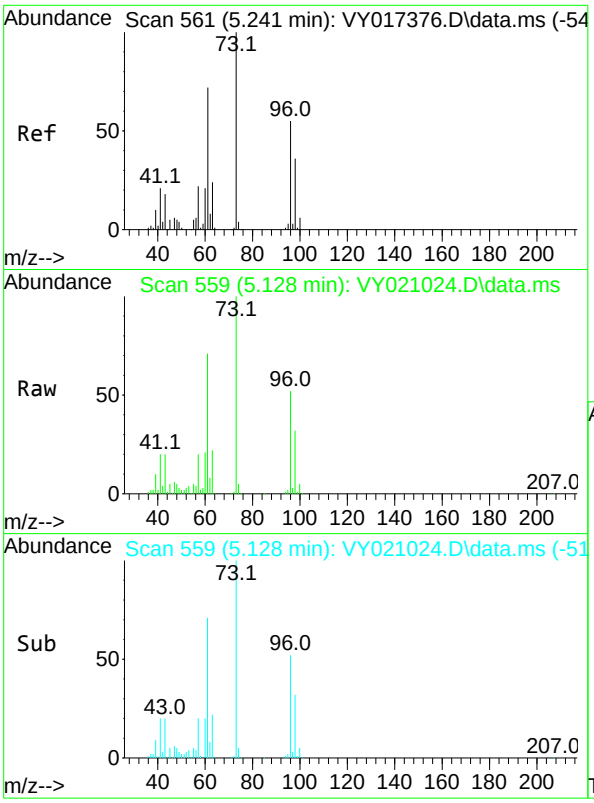




#18
Methyl Acetate
Concen: 124.639 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 96229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.3 | 22.2 | 33.4 |



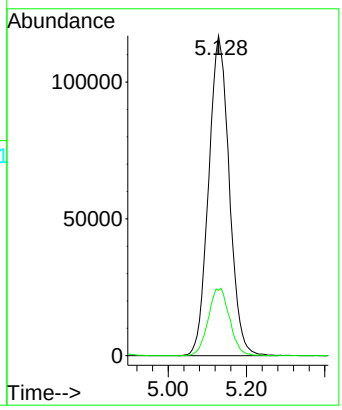


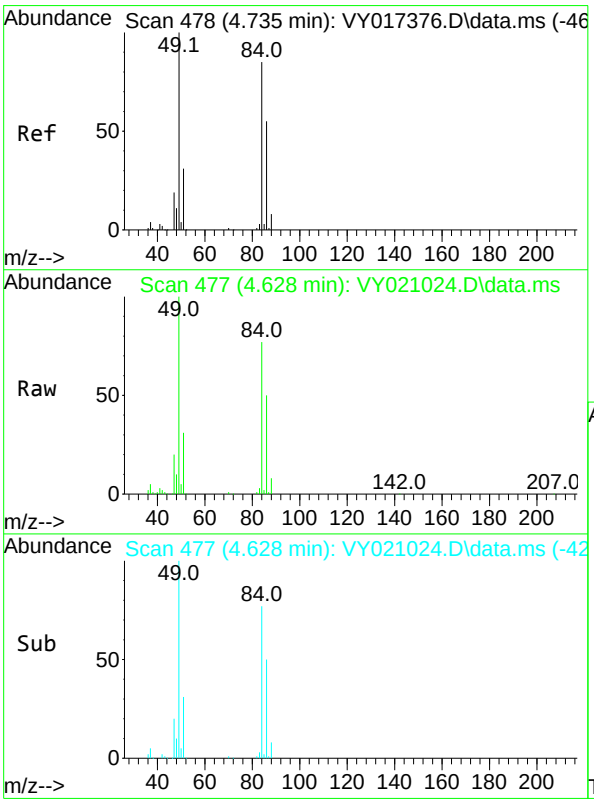

#19
Methyl tert-butyl Ether
Concen: 114.141 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 73 Resp: 427571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.4 | 16.6 | 25.0 |

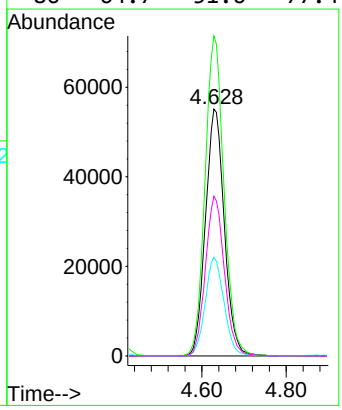


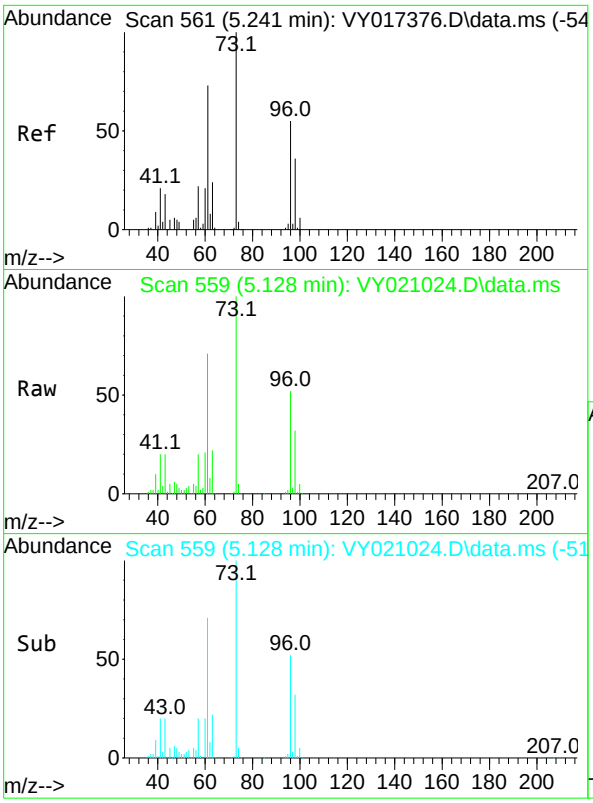




#20
Methylene Chloride
Concen: 105.558 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 84 Resp: 171778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.6 | 88.3 | 132.5 |
| 51 | 40.0 | 27.7 | 41.5 |
| 86 | 64.7 | 51.6 | 77.4 |



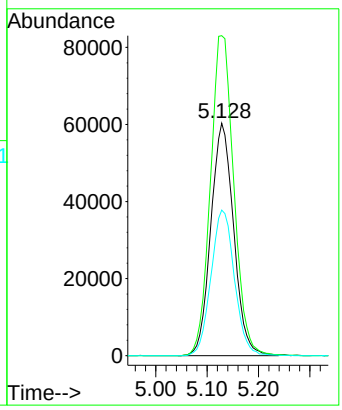


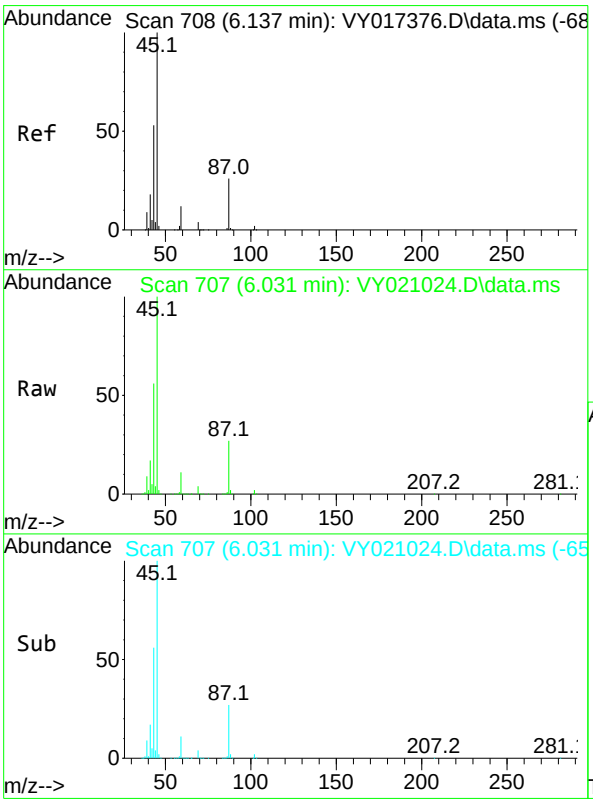

#21
trans-1,2-Dichloroethene
Concen: 108.095 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 186520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.7 | 101.5 | 152.3 |
| 98 | 62.7 | 52.0 | 78.0 |

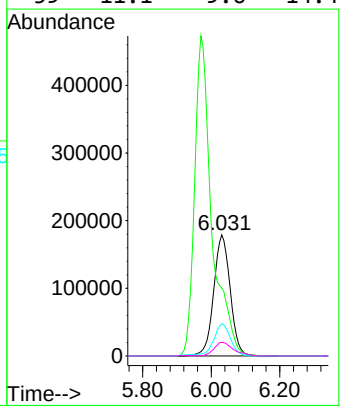


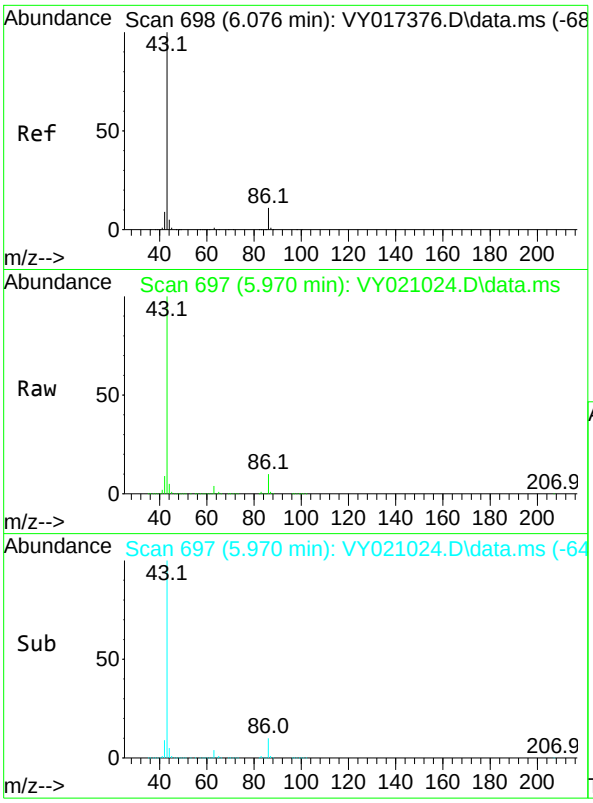




#22
Diisopropyl ether
Concen: 132.422 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 45 Resp: 598063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.1 | 45.1 | 67.7 |
| 87 | 26.7 | 25.0 | 37.4 |
| 59 | 11.1 | 9.6 | 14.4 |



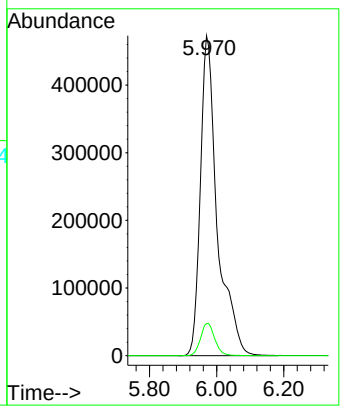


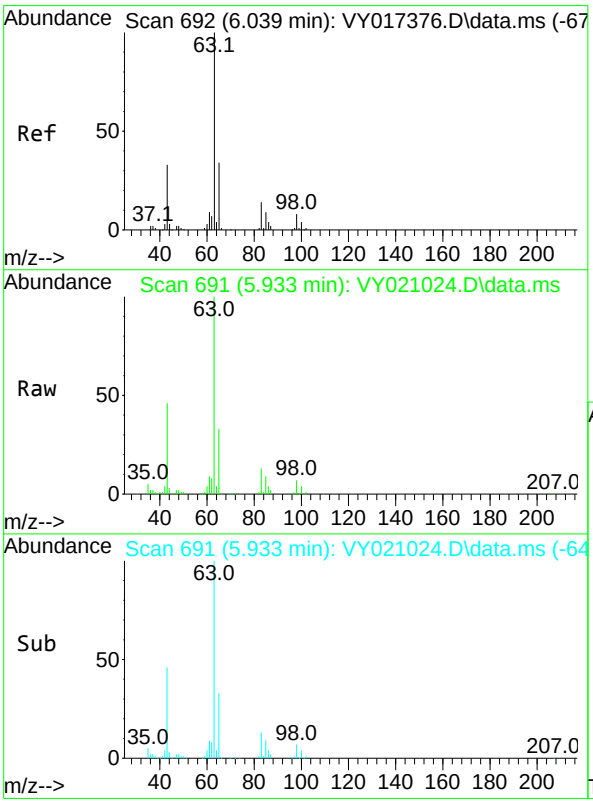

#23
Vinyl Acetate
Concen: 660.973 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 1653156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 9.7 | 14.5 |

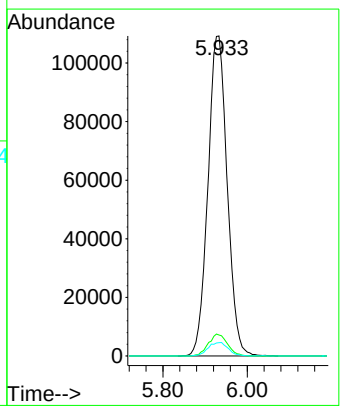


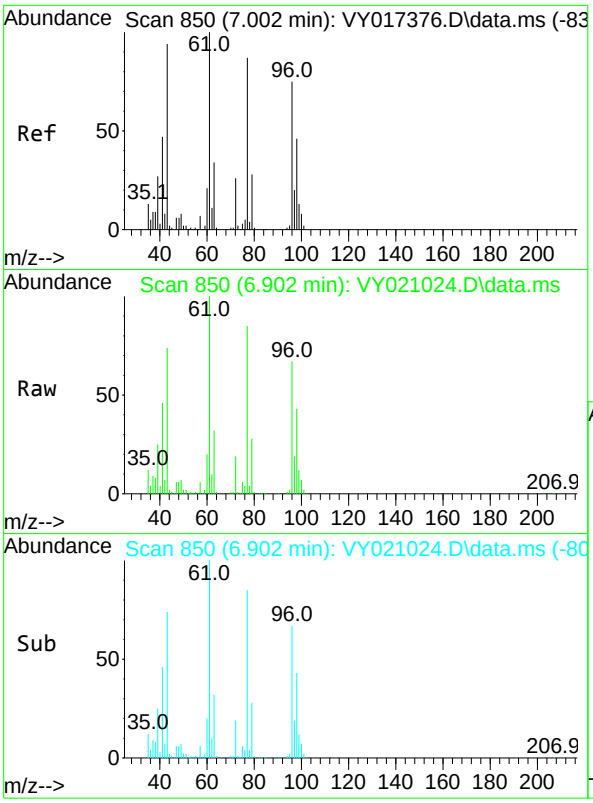




#24
1,1-Dichloroethane
Concen: 118.878 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.013 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 346367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.6 | 3.7 | 11.1 |
| 100 | 4.1 | 2.4 | 7.2 |



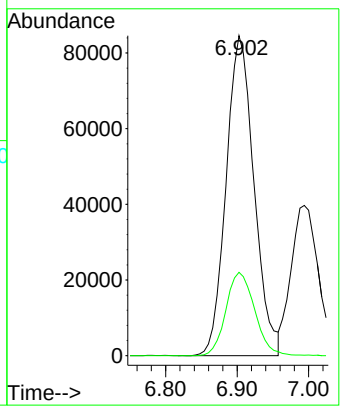


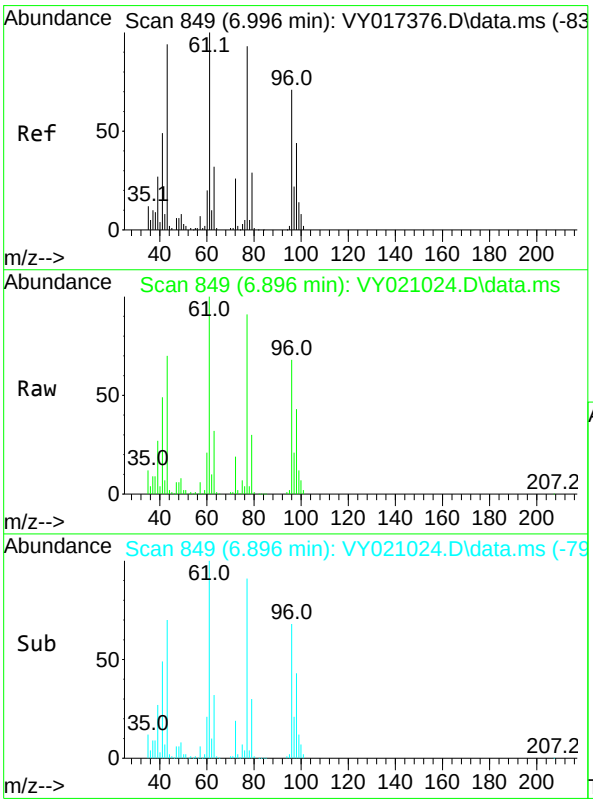

#25
2-Butanone
Concen: 613.177 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 229517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.1 | 24.3 | 36.5 |

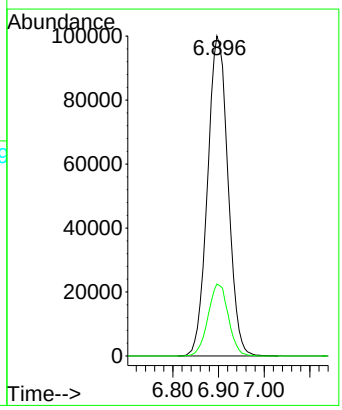


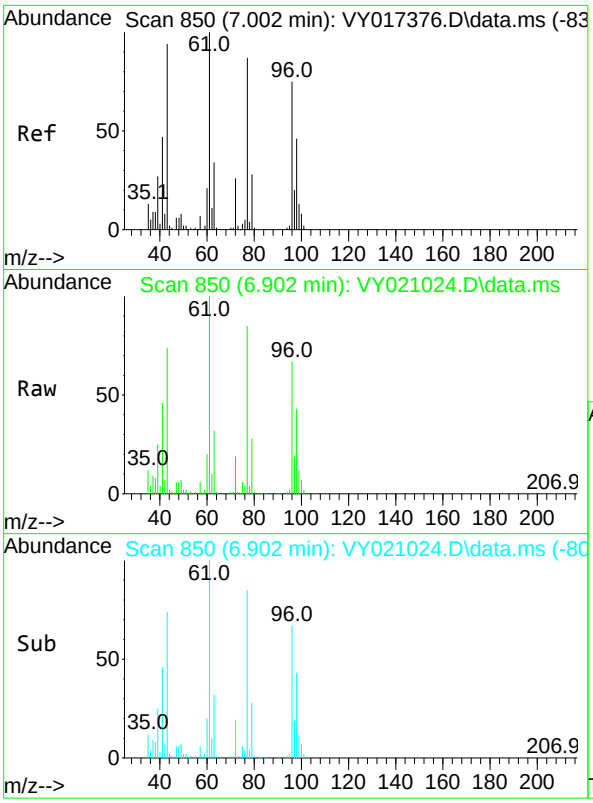




#26
2,2-Dichloropropane
Concen: 108.502 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 77 Resp: 311254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.3 | 11.4 | 34.2 |



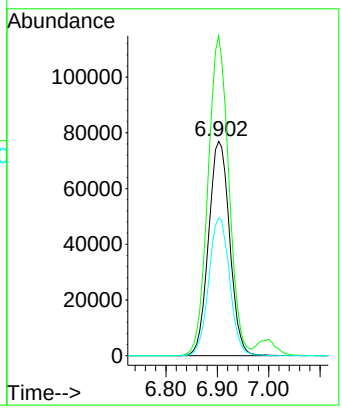


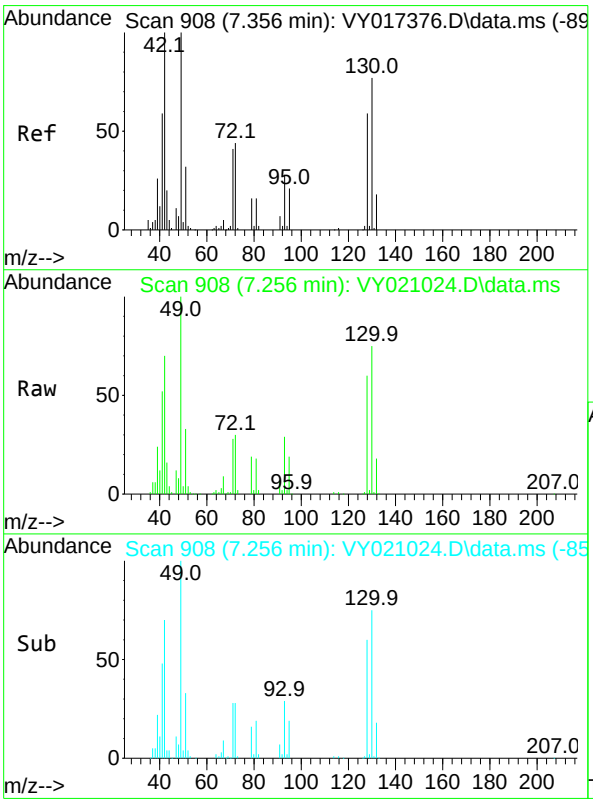

#27
cis-1,2-Dichloroethene
Concen: 110.326 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 218816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.4 | 0.0 | 274.0 |
| 98 | 63.9 | 0.0 | 130.4 |

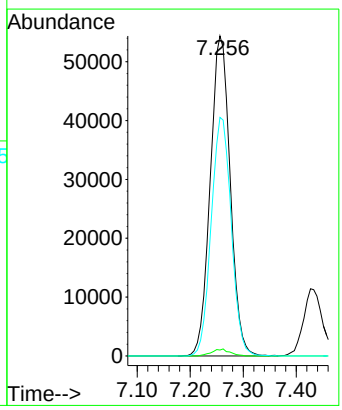


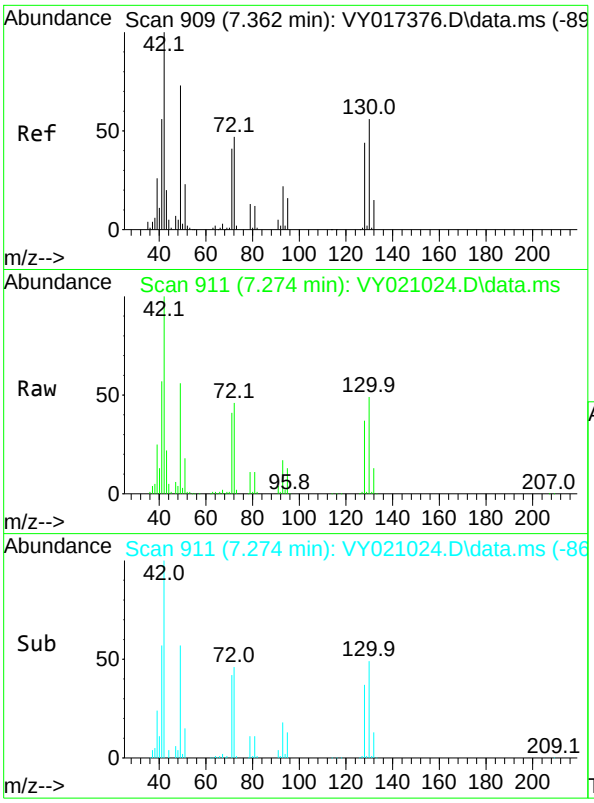




#28
Bromochloromethane
Concen: 130.955 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 49 Resp: 142156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 5.0 |
| 130 | 74.8 | 73.2 | 109.8 |



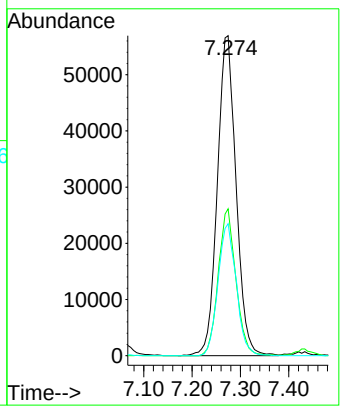


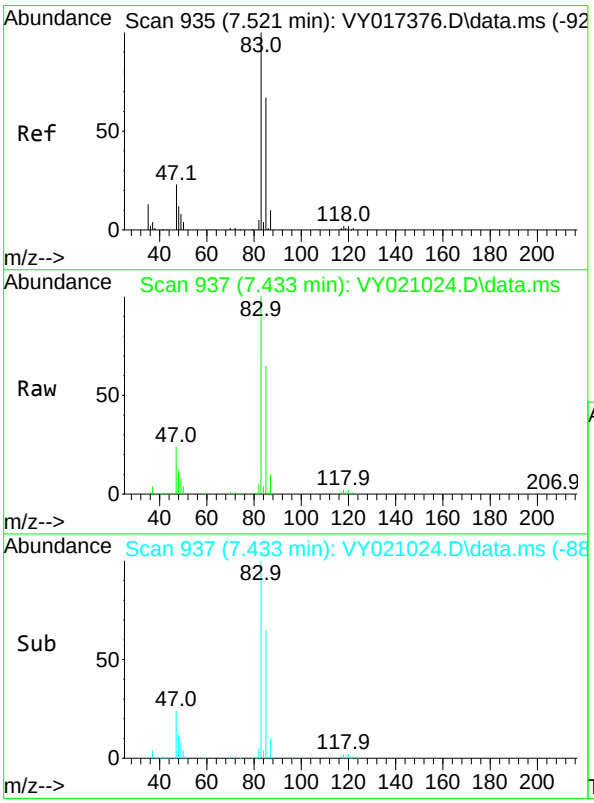

#29
Tetrahydrofuran
Concen: 607.855 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 42 Resp: 153104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.3 | 39.3 | 58.9 |
| 71 | 40.2 | 36.1 | 54.1 |

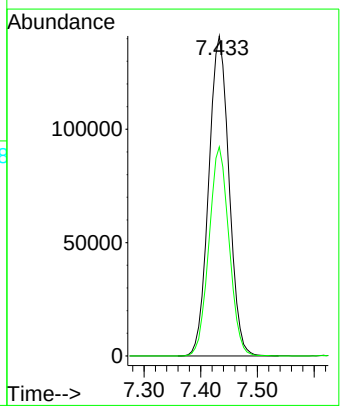


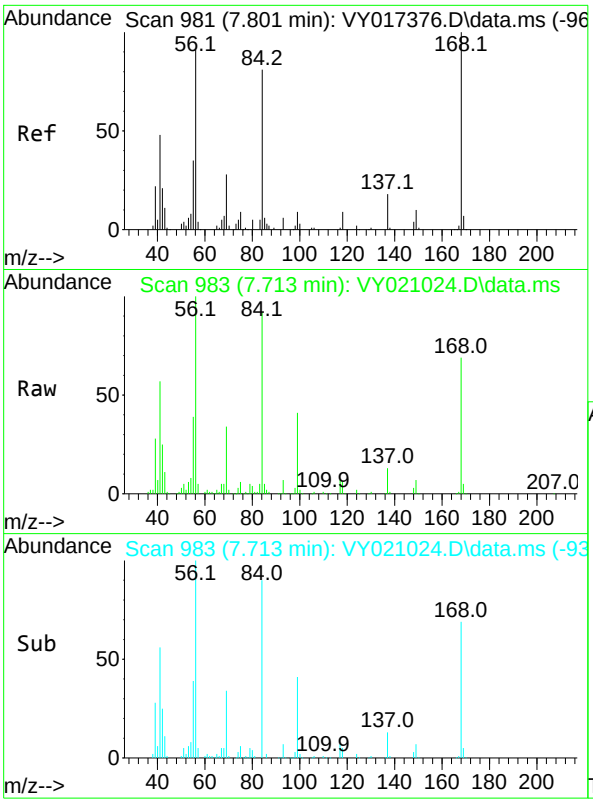




#30
Chloroform
Concen: 111.040 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 83 Resp: 350416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.4 | 52.9 | 79.3 |



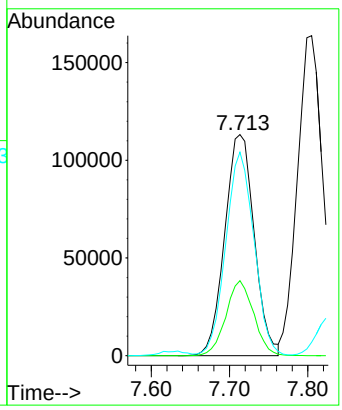


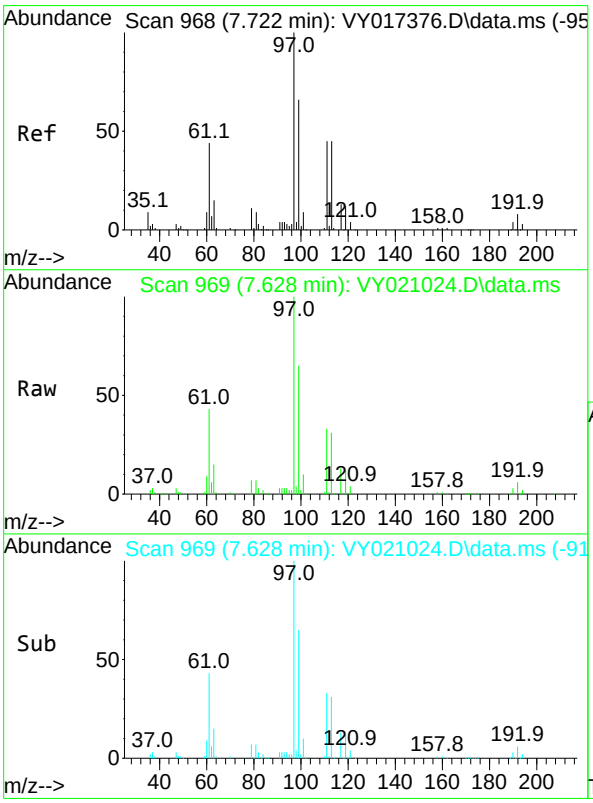

#31
Cyclohexane
Concen: 104.021 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 296243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.9 | 27.7 | 41.5 |
| 84 | 90.1 | 77.5 | 116.3 |

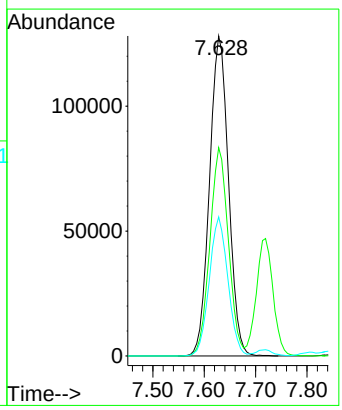


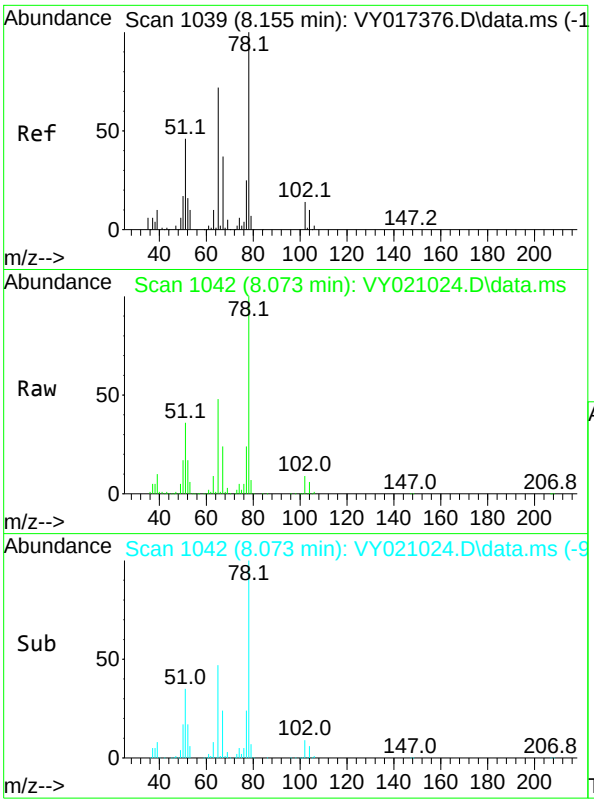




#32
1,1,1-Trichloroethane
Concen: 107.493 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 97 Resp: 328296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 51.4 | 77.0 |
| 61 | 42.7 | 31.4 | 47.0 |



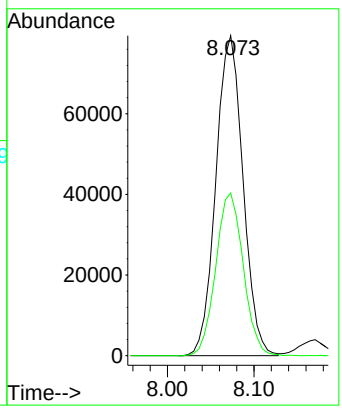


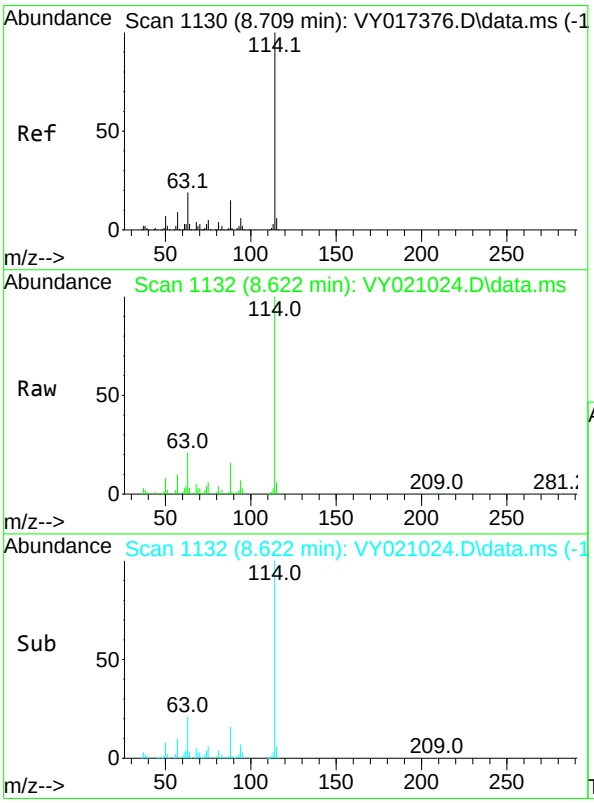

#33
1,2-Dichloroethane-d4
Concen: 106.741 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 65 Resp: 172797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 104.4 |

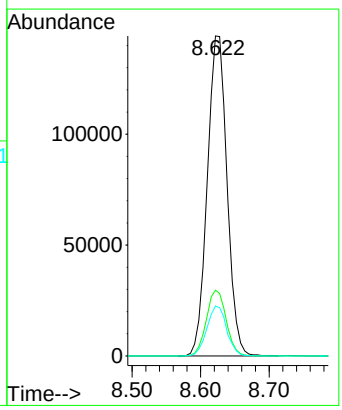


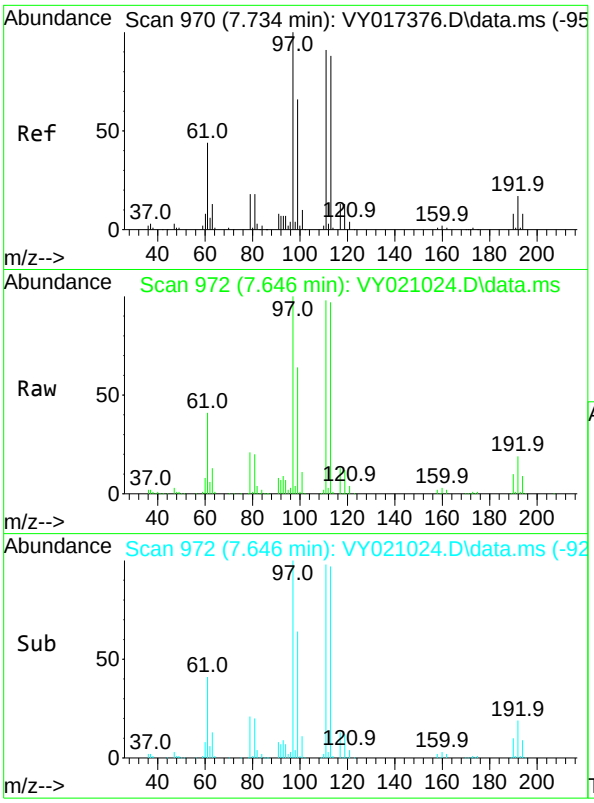




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:114 Resp: 289157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 37.2 |
| 88 | 15.6 | 0.0 | 29.6 |



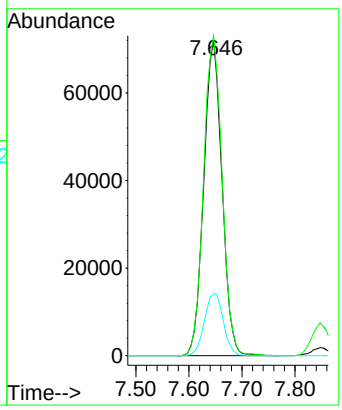


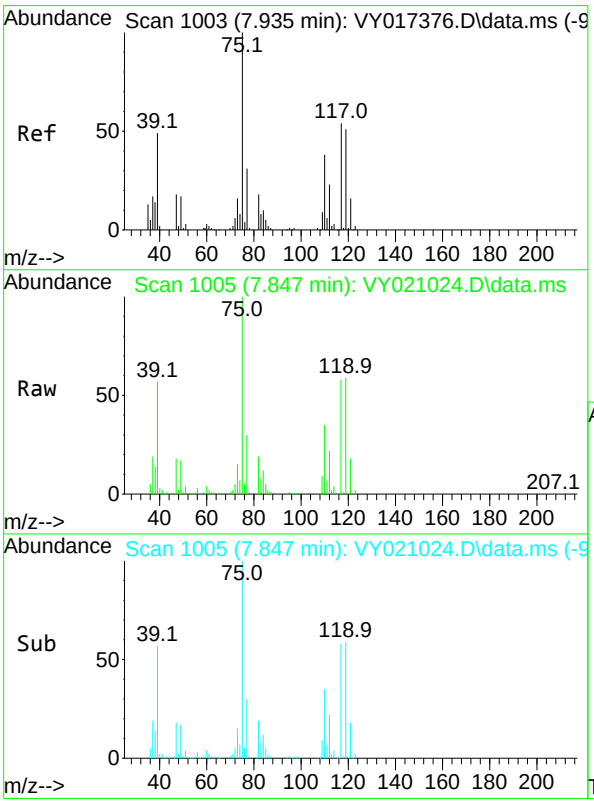

#35
Dibromofluoromethane
Concen: 98.858 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:113 Resp: 171851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.1 | 82.6 | 123.8 |
| 192 | 20.5 | 16.8 | 25.2 |

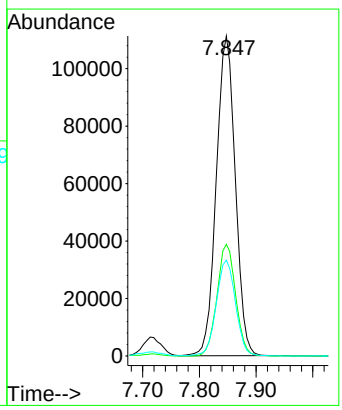


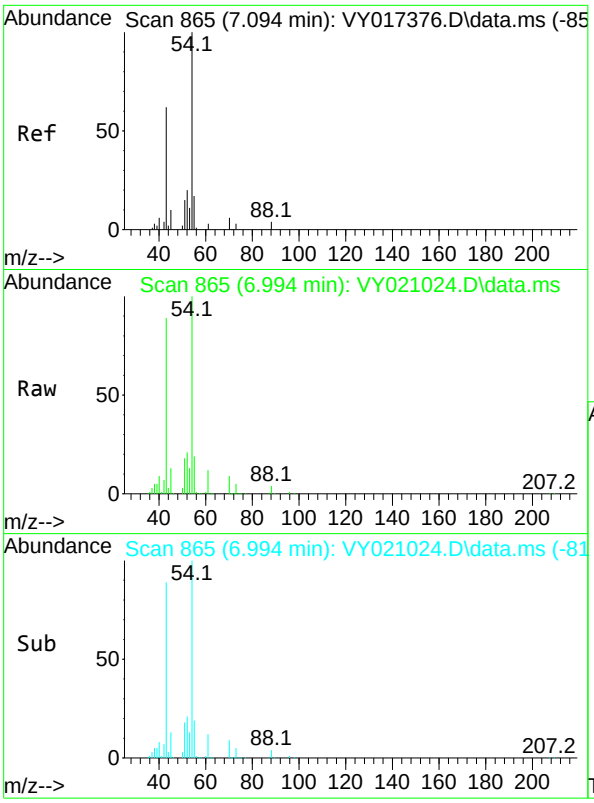




#36
1,1-Dichloropropene
Concen: 104.370 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 258833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 18.4 | 55.2 |
| 77 | 30.5 | 24.9 | 37.3 |



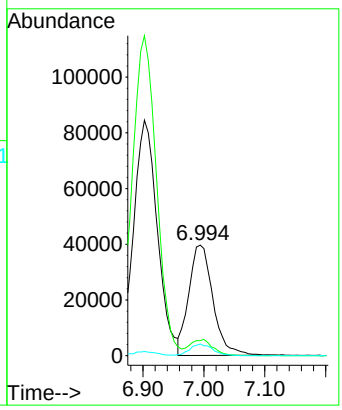


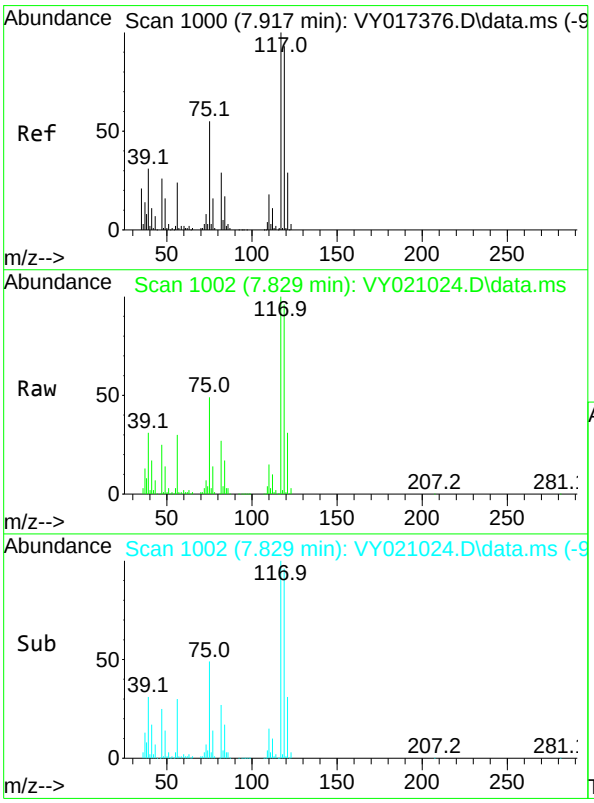

#37
Ethyl Acetate
Concen: 117.685 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 108807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.4 | 11.4 | 17.0 |
| 70 | 9.9 | 9.6 | 14.4 |

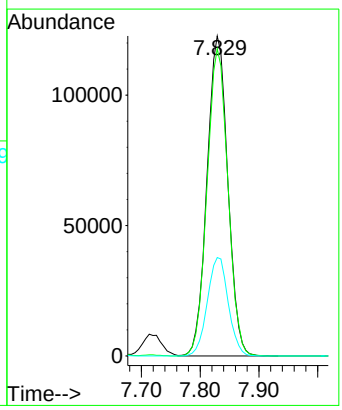


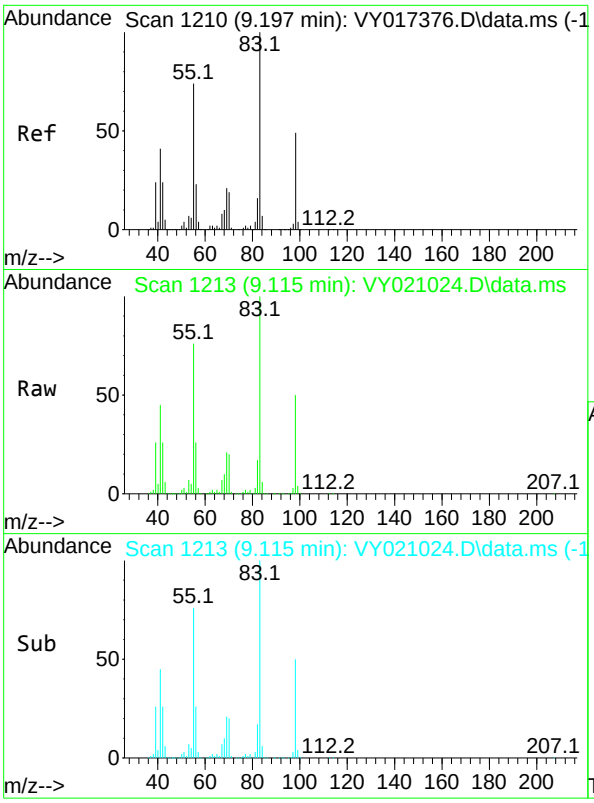




#38
Carbon Tetrachloride
Concen: 98.406 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 302001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 75.0 | 112.6 |
| 121 | 30.8 | 24.2 | 36.2 |



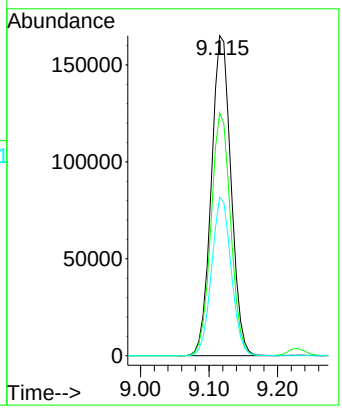


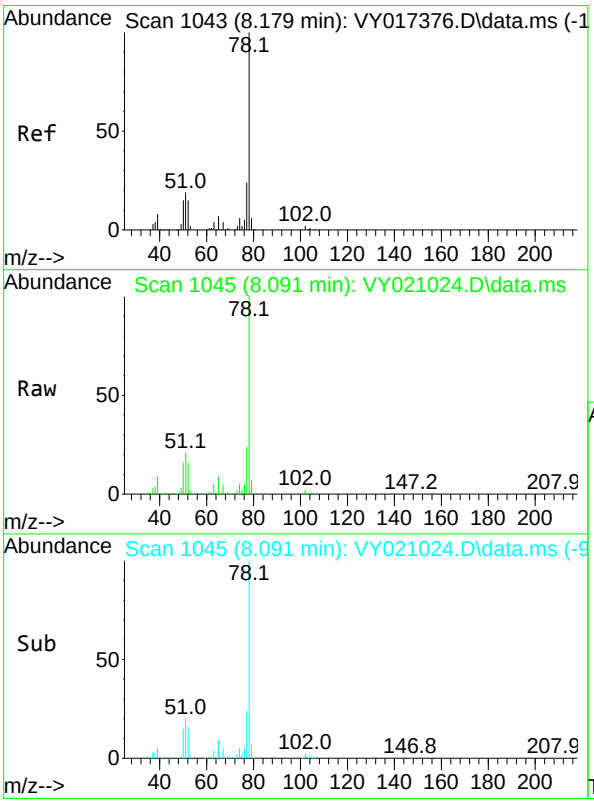

#39
Methylcyclohexane
Concen: 99.014 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 329865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.9 | 54.9 | 82.3 |
| 98 | 49.5 | 40.5 | 60.7 |

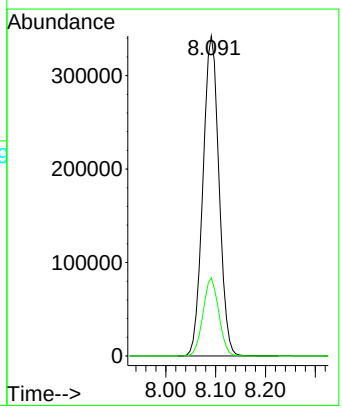


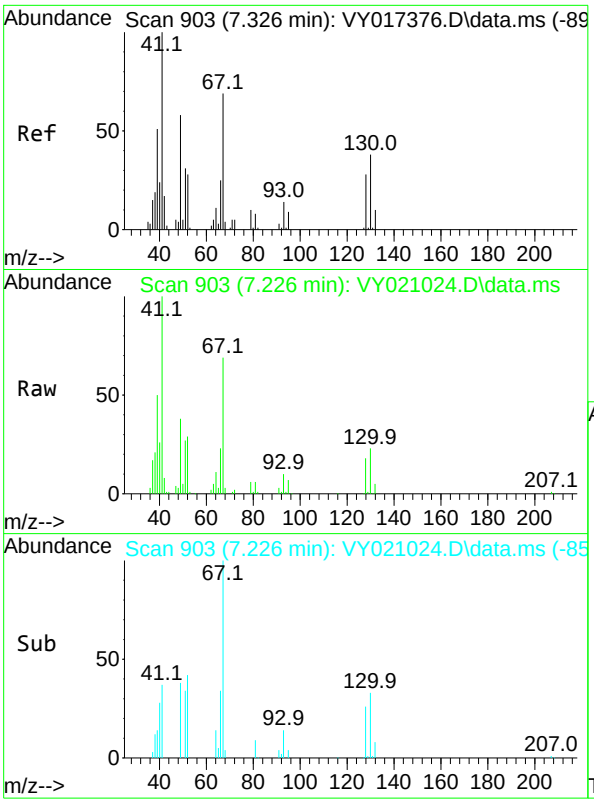




#40
Benzene
Concen: 104.883 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 78 Resp: 765340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.4 | 19.4 | 29.2 |



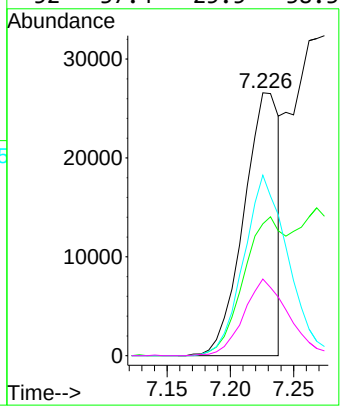


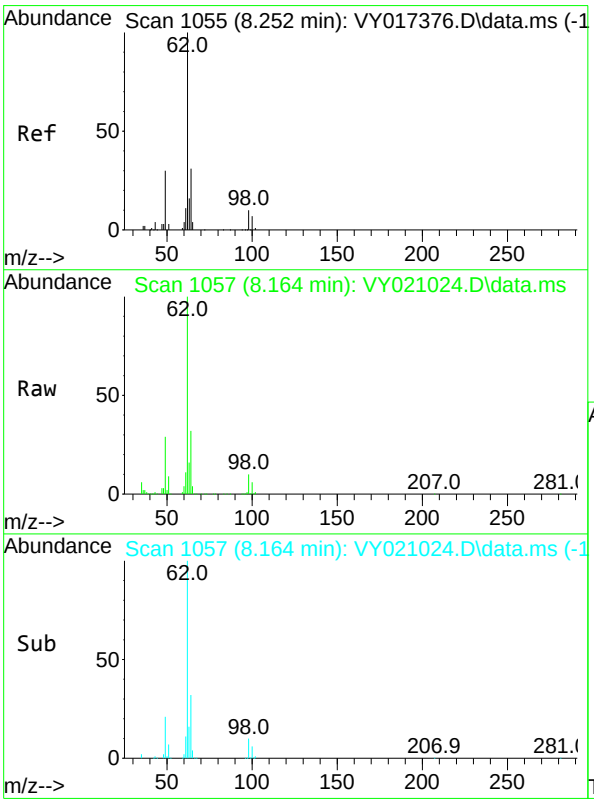

#41
Methacrylonitrile
Concen: 100.841 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 41 Resp: 51586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 62.0 | 41.6 | 62.4 |
| 67 | 86.8 | 63.8 | 95.6 |
| 52 | 37.4 | 25.5 | 38.3 |

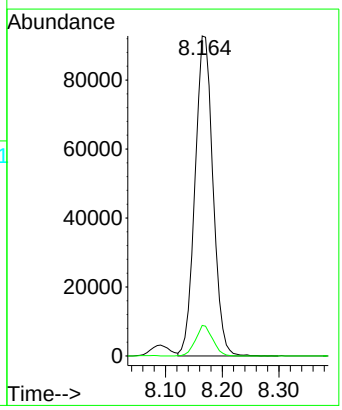


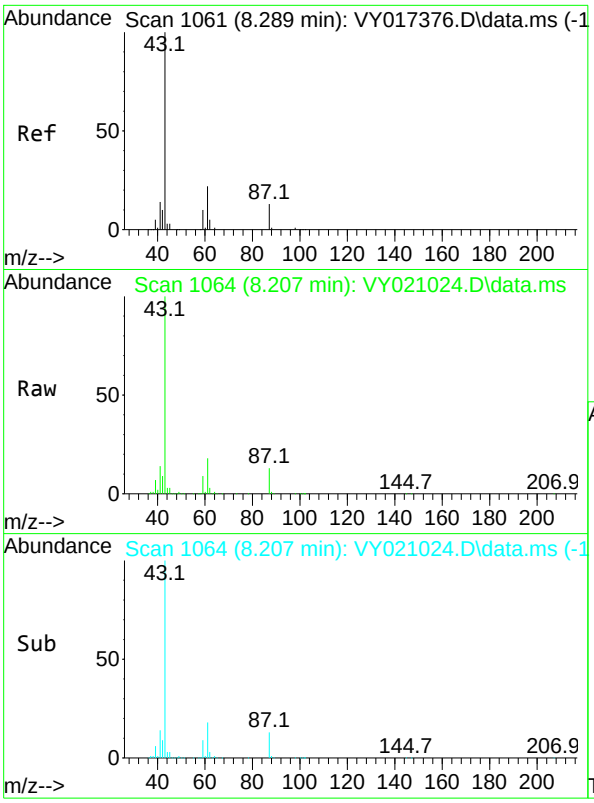




#42
1,2-Dichloroethane
Concen: 110.147 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 62 Resp: 203840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 19.4 |



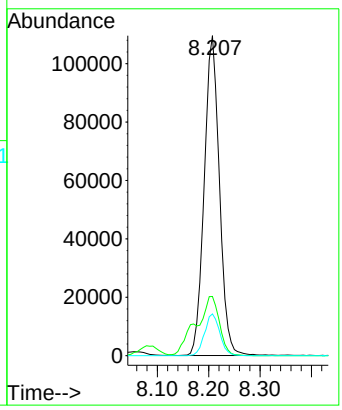


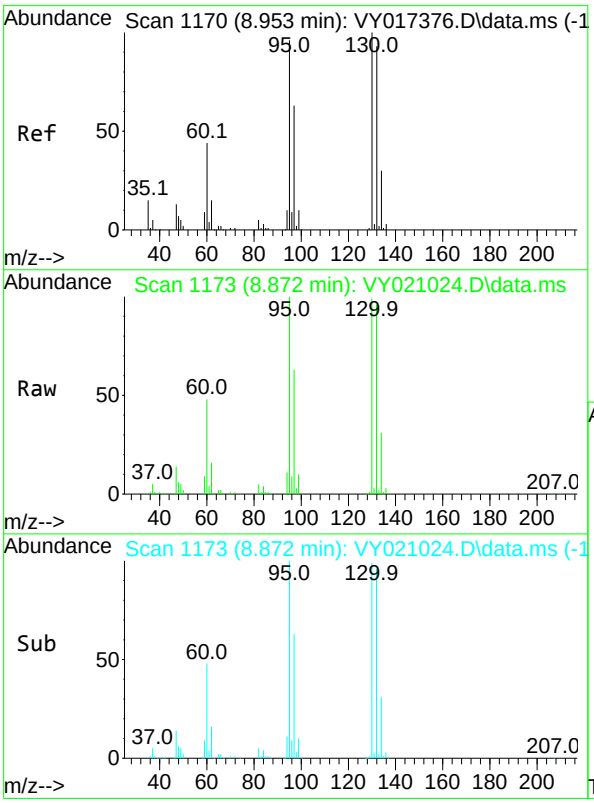

#43
Isopropyl Acetate
Concen: 121.752 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 224883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 28.6 | 15.8 | 23.6# |
| 87 | 13.1 | 12.5 | 18.7 |

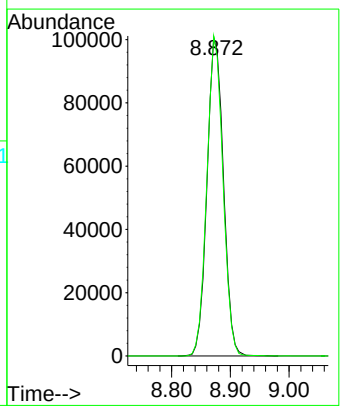


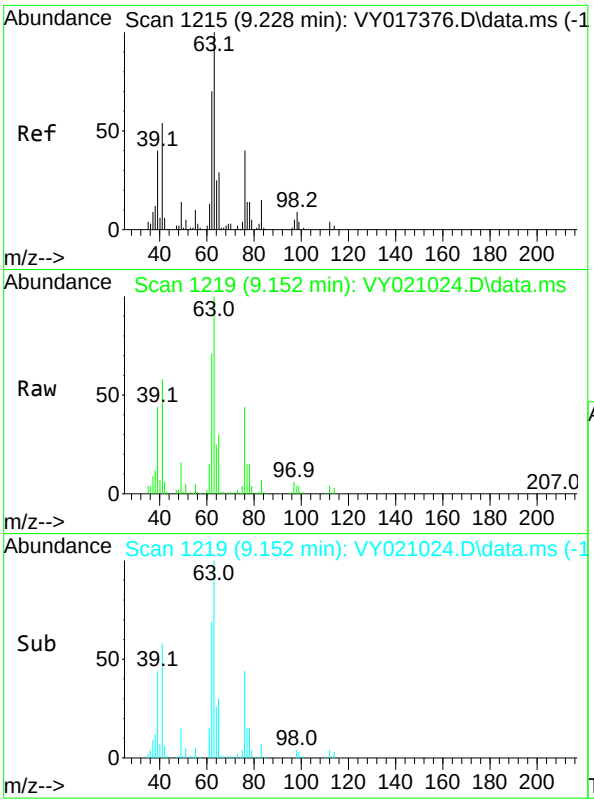




#44
Trichloroethene
Concen: 97.046 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:130 Resp: 195403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.5 | 0.0 | 189.6 |



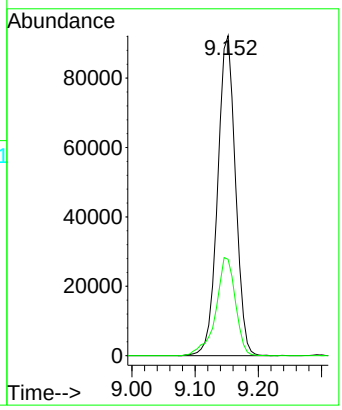


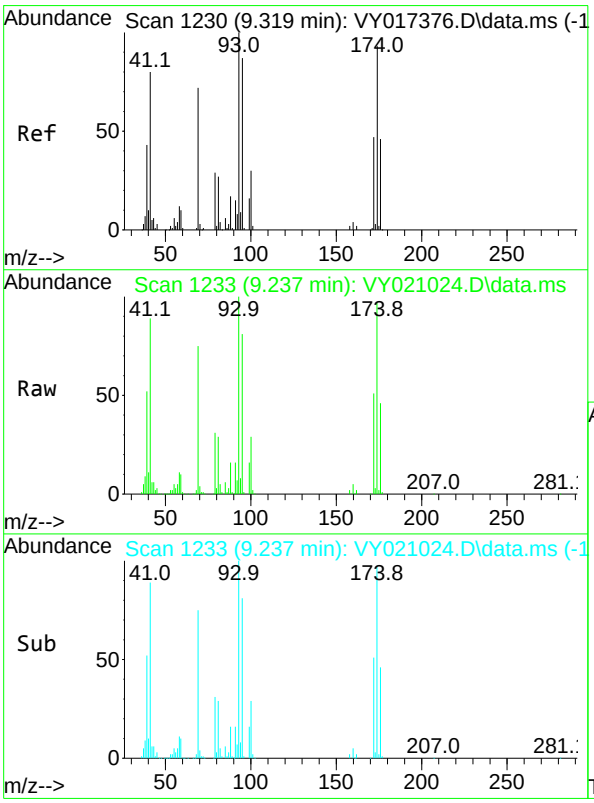

#45
1,2-Dichloropropane
Concen: 110.034 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 63 Resp: 179965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.1 | 23.6 | 35.4 |

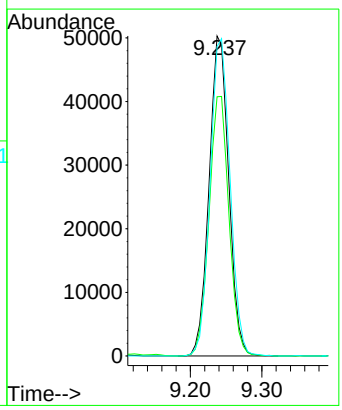


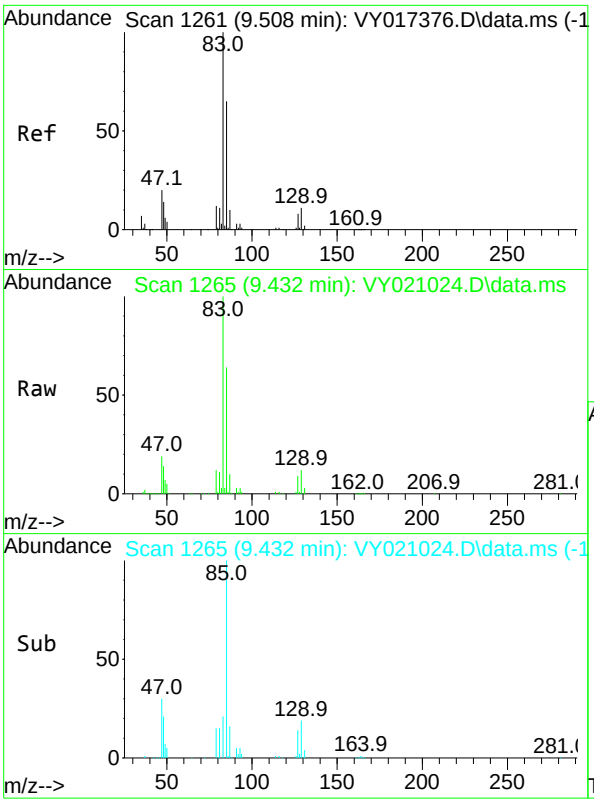




#46
Dibromomethane
Concen: 100.827 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 93 Resp: 95968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.8 | 98.8 |
| 174 | 100.7 | 88.1 | 132.1 |



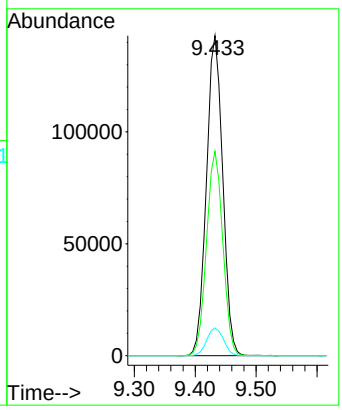


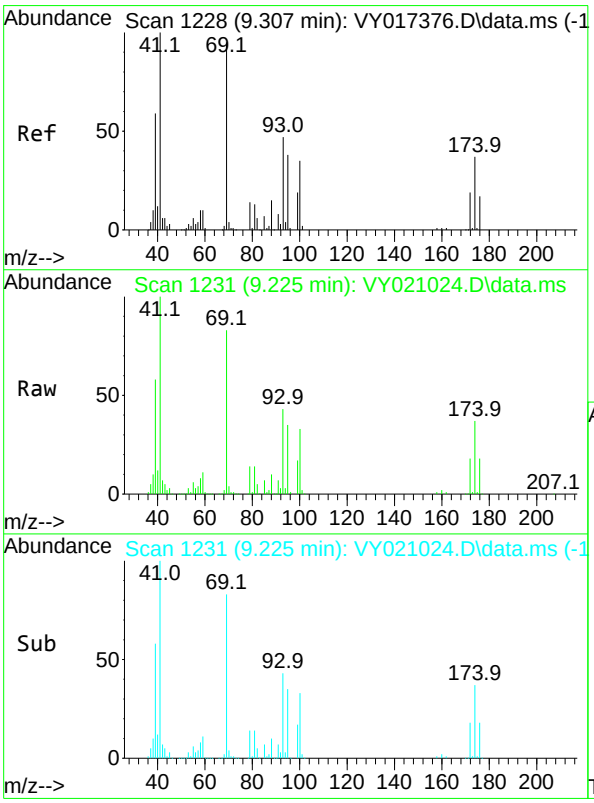

#47
Bromodichloromethane
Concen: 106.226 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 265518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 49.6 | 74.4 |
| 127 | 8.7 | 7.1 | 10.7 |

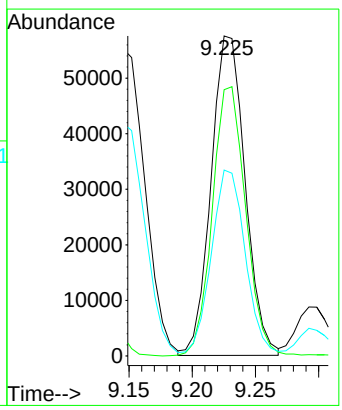


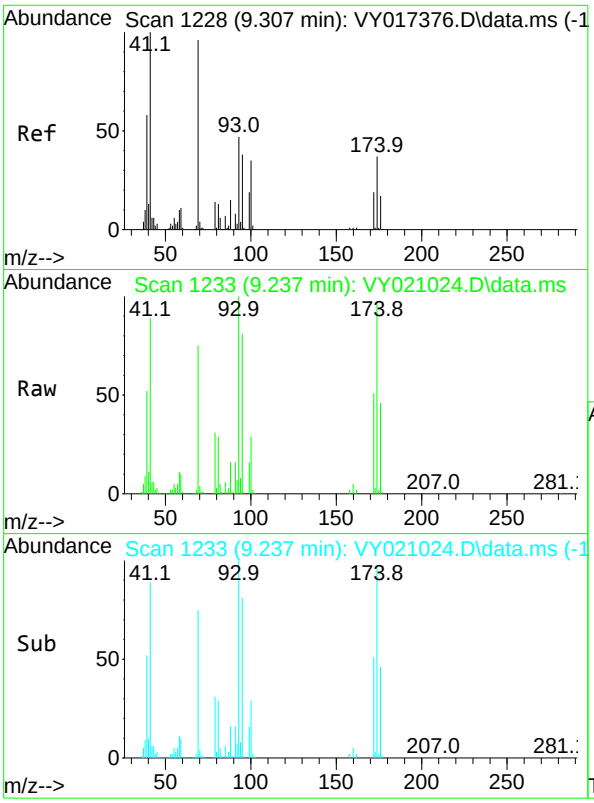




#48
Methyl methacrylate
Concen: 122.427 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 41 Resp: 107661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.8 | 75.6 | 113.4 |
| 39 | 56.2 | 41.3 | 61.9 |



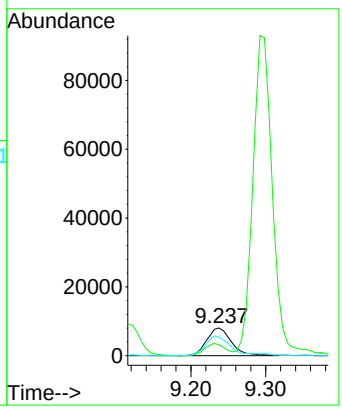


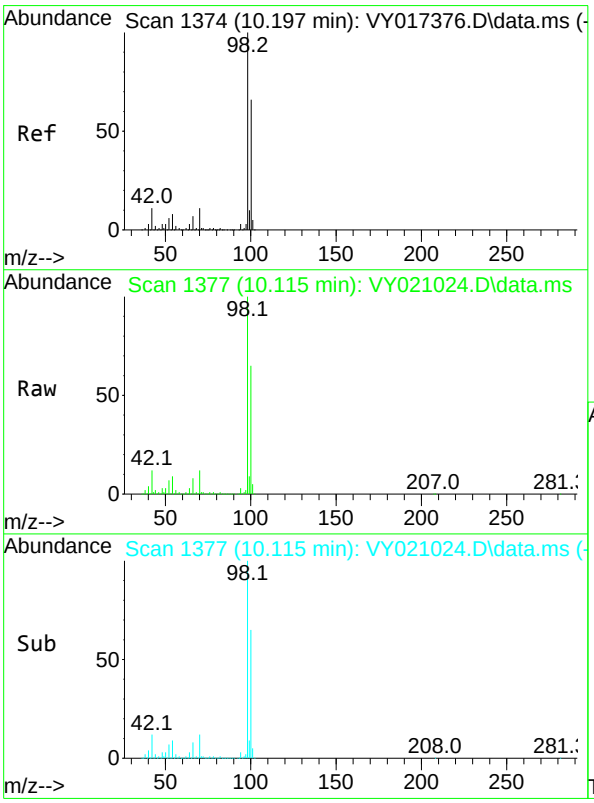

#49
1,4-Dioxane
Concen: 1817.108 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 88 Resp: 18378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.9 | 24.2 | 36.4# |
| 58 | 71.1 | 57.3 | 85.9 |

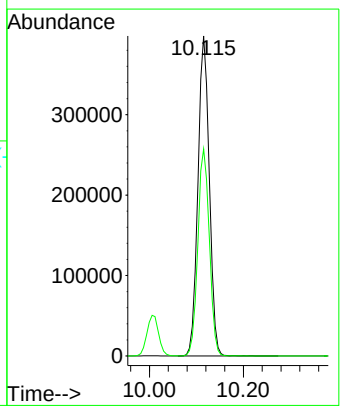


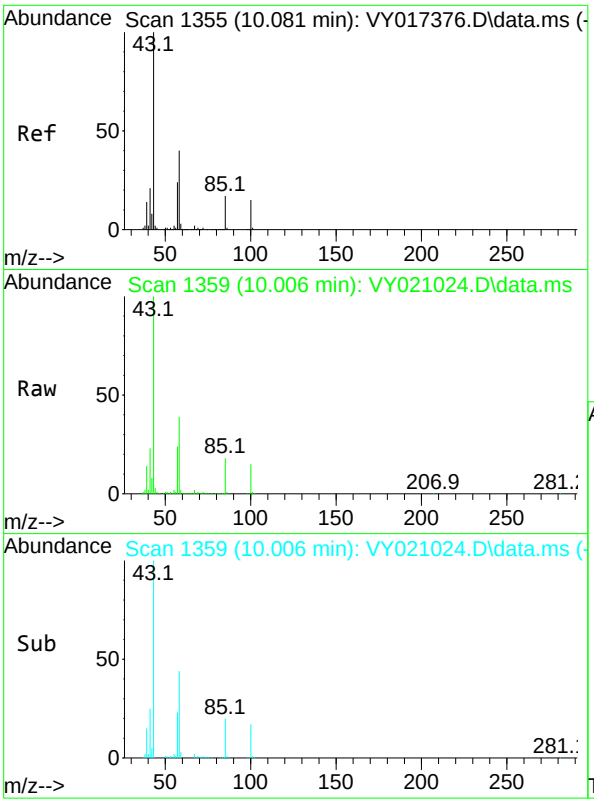




#50
Toluene-d8
Concen: 98.702 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 98 Resp: 669691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 52.6 | 79.0 |



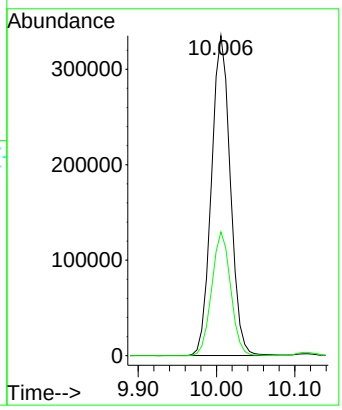


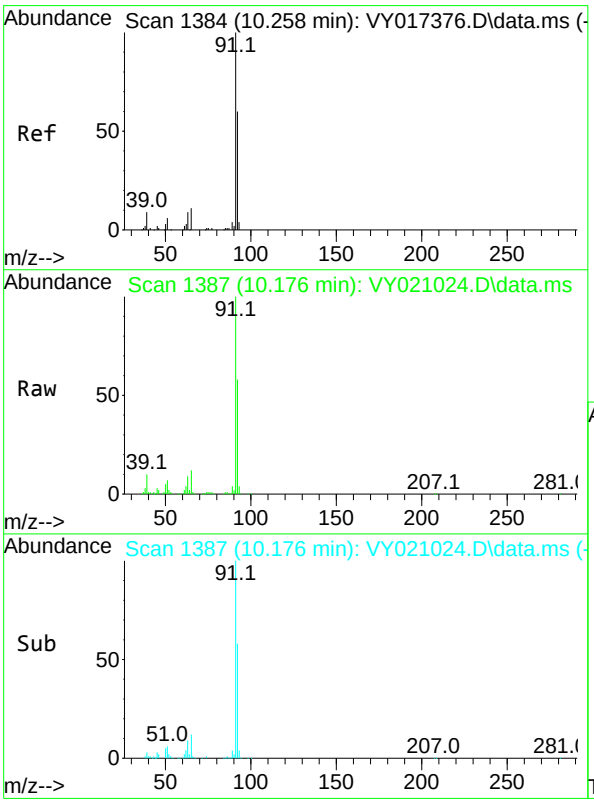

#51
4-Methyl-2-Pentanone
Concen: 592.226 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 562082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.7 | 33.8 | 50.8 |

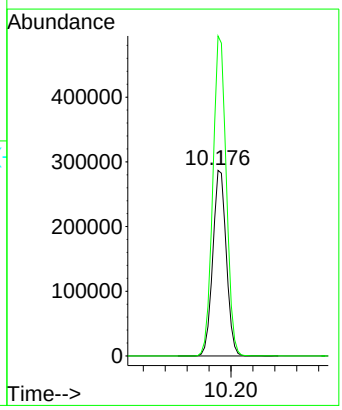


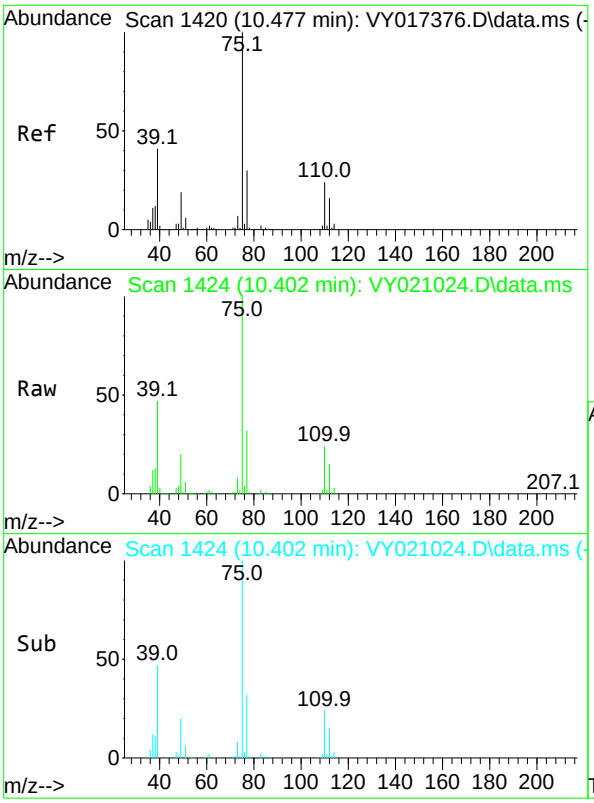




#52
Toluene
Concen: 103.090 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 92 Resp: 488296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.7 | 135.8 | 203.8 |



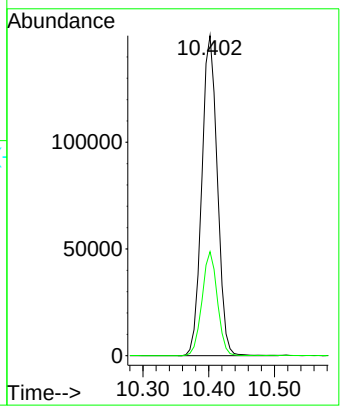


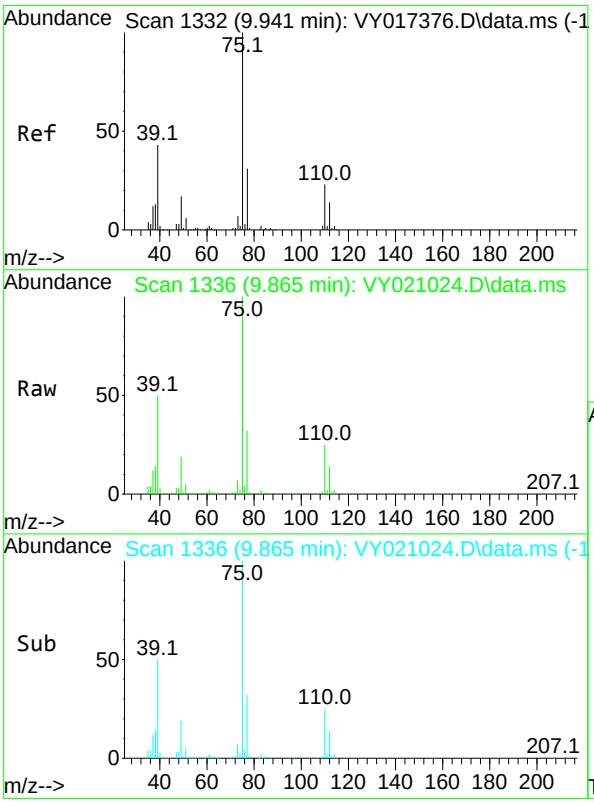

#53
t-1,3-Dichloropropene
Concen: 109.097 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 246769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 25.9 | 38.9 |

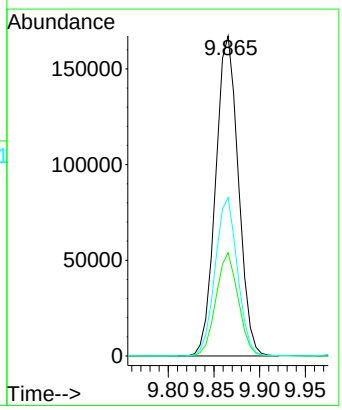


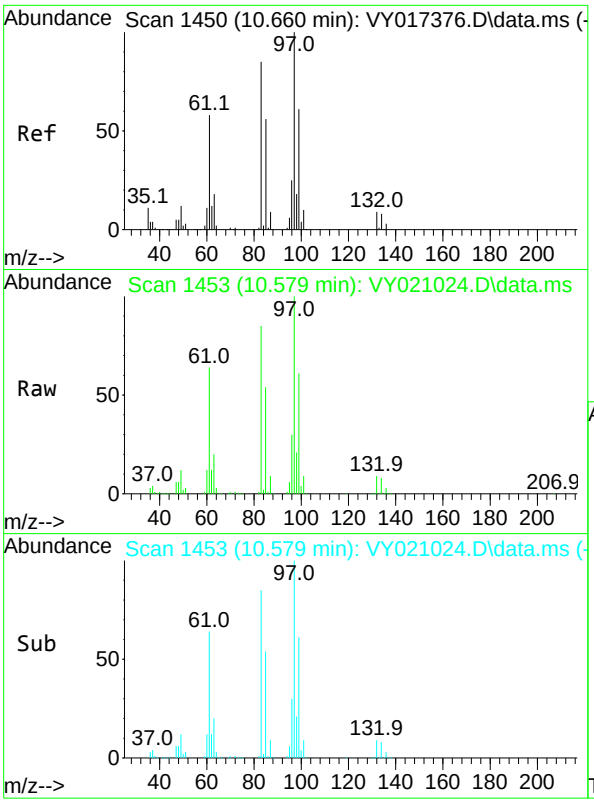




#54
cis-1,3-Dichloropropene
Concen: 107.141 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 289643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.4 | 38.0 |
| 39 | 49.5 | 32.2 | 48.2# |



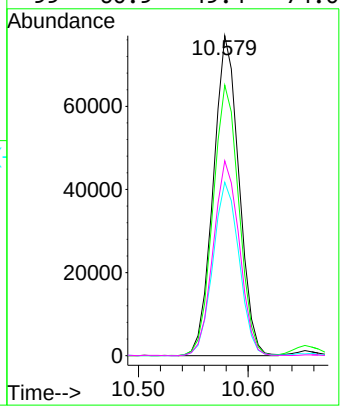


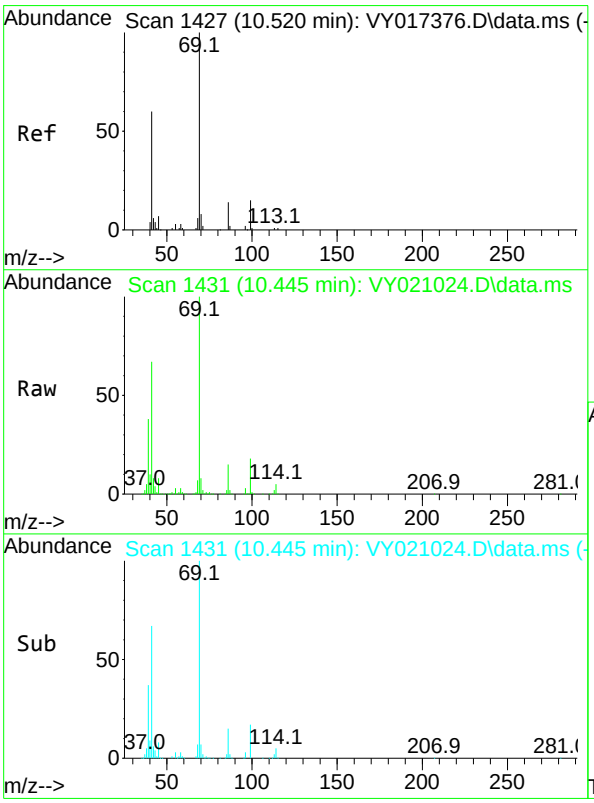

#55
1,1,2-Trichloroethane
Concen: 99.248 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 97 Resp: 125626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.5 | 67.7 | 101.5 |
| 85 | 54.2 | 43.4 | 65.2 |
| 99 | 60.9 | 49.4 | 74.0 |

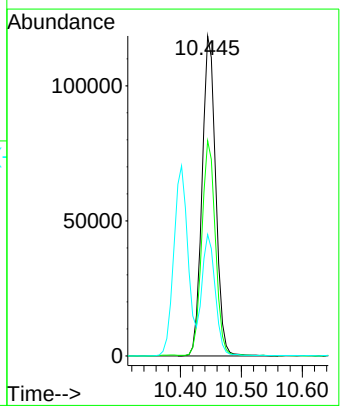


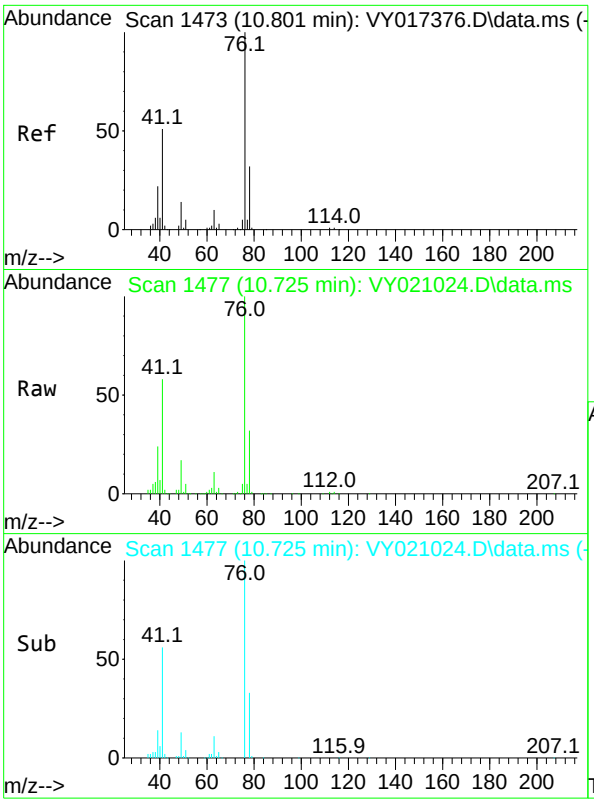




#56
Ethyl methacrylate
Concen: 111.337 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 69 Resp: 184212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 66.9 | 46.3 | 69.5 |
| 39 | 36.5 | 24.5 | 36.7 |



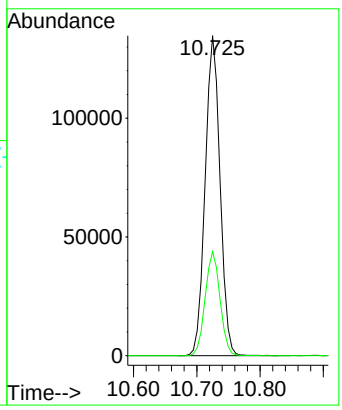


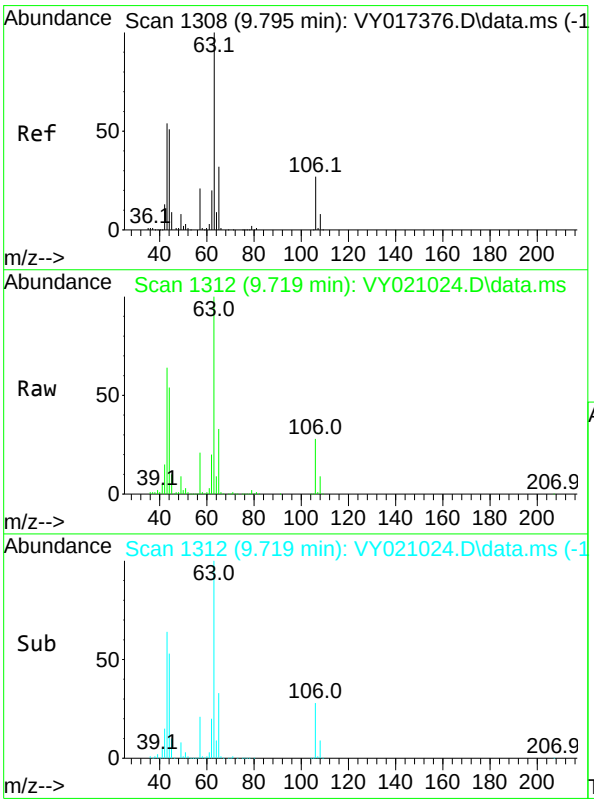

#57
1,3-Dichloropropane
Concen: 102.639 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 220204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 25.8 | 38.6 |

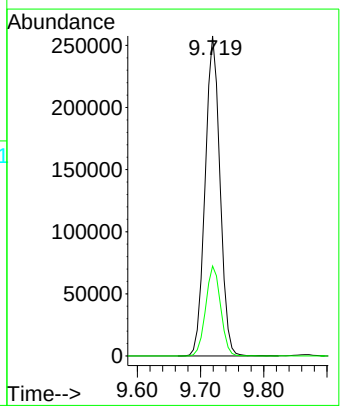


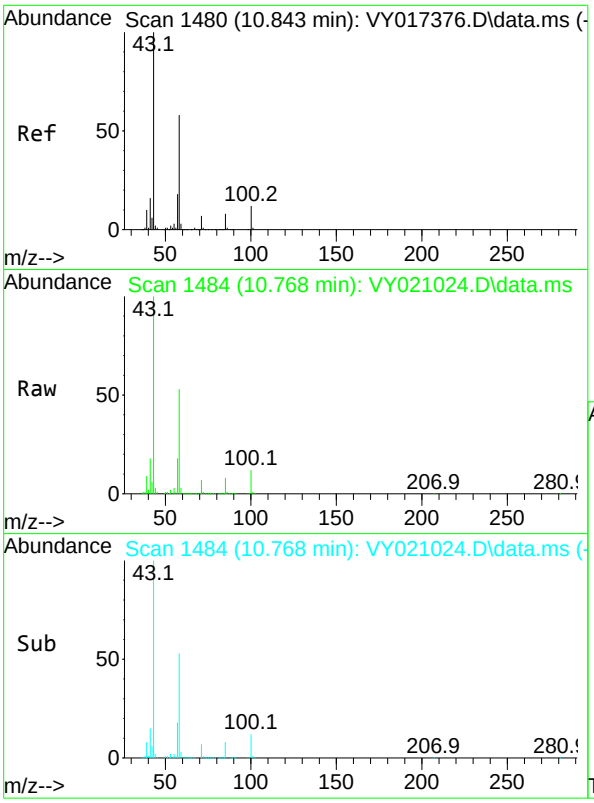




#58
2-Chloroethyl Vinyl ether
Concen: 599.795 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 63 Resp: 421206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 24.7 | 37.1 |



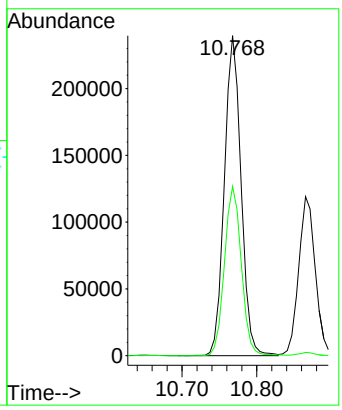


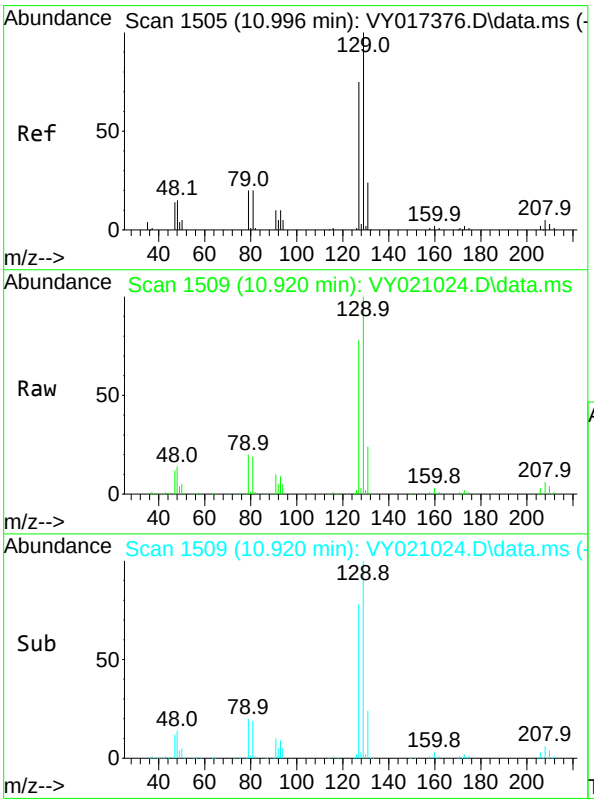

#59
2-Hexanone
Concen: 605.028 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 373249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.4 | 29.8 | 89.3 |

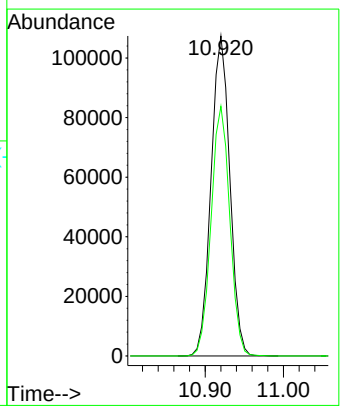


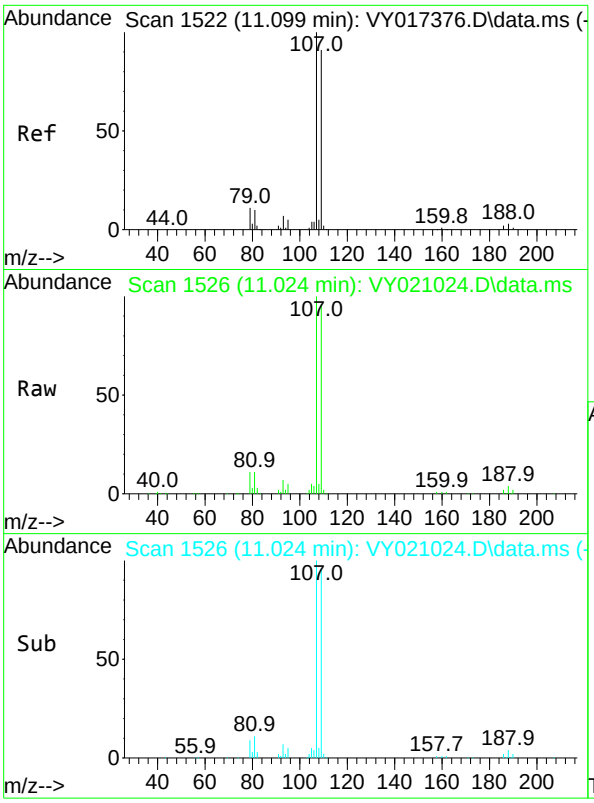




#60
Dibromochloromethane
Concen: 99.202 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:129 Resp: 179036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 38.5 | 115.3 |



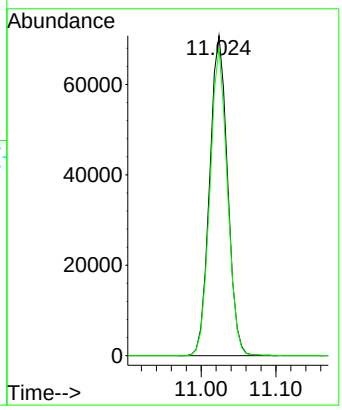


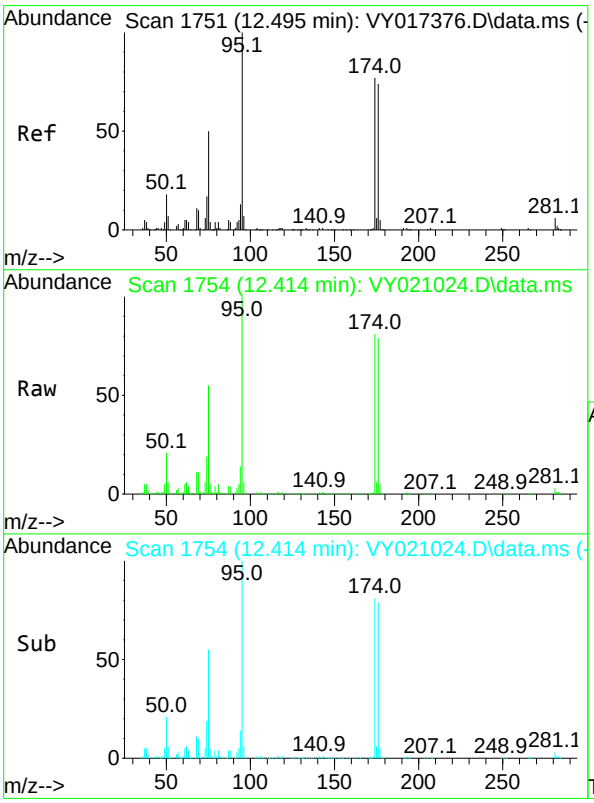

#61
1,2-Dibromoethane
Concen: 97.250 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:107 Resp: 117576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 76.6 | 114.8 |

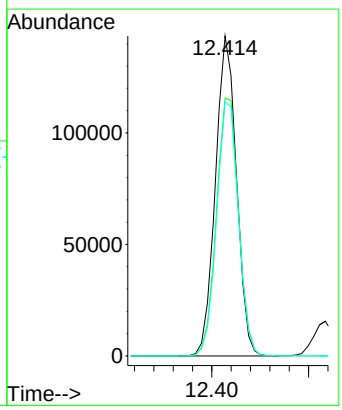


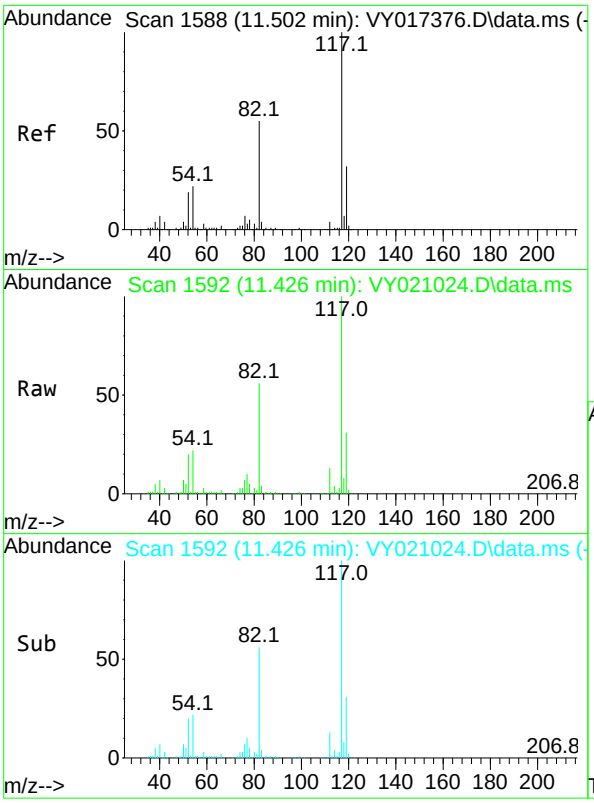




#62
4-Bromofluorobenzene
Concen: 95.157 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 95 Resp: 216644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.9 | 0.0 | 181.2 |
| 176 | 82.0 | 0.0 | 175.2 |



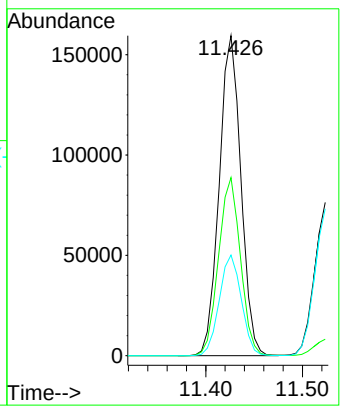


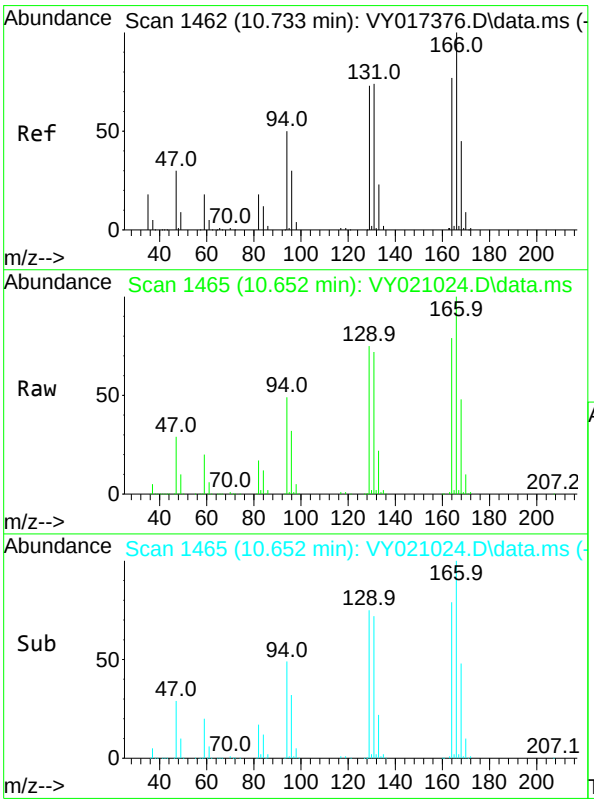

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:117 Resp: 248171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 44.2 | 66.2 |
| 119 | 31.5 | 25.9 | 38.9 |

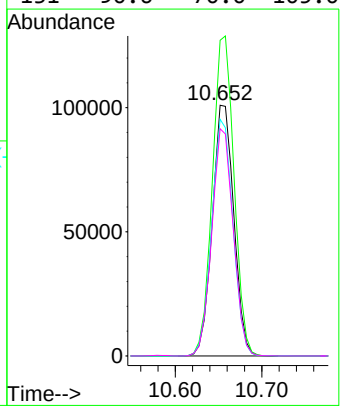


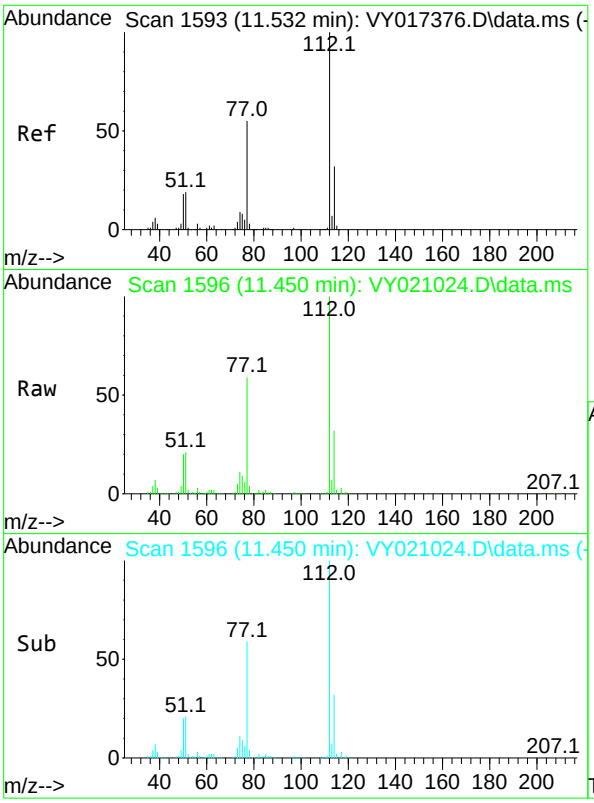




#64
Tetrachloroethene
Concen: 93.066 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:164 Resp: 174223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.9 | 100.4 | 150.6 |
| 129 | 94.4 | 70.8 | 106.2 |
| 131 | 90.6 | 70.0 | 105.0 |



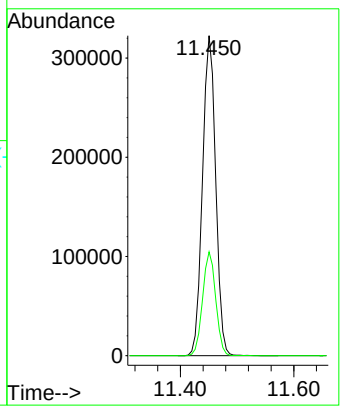


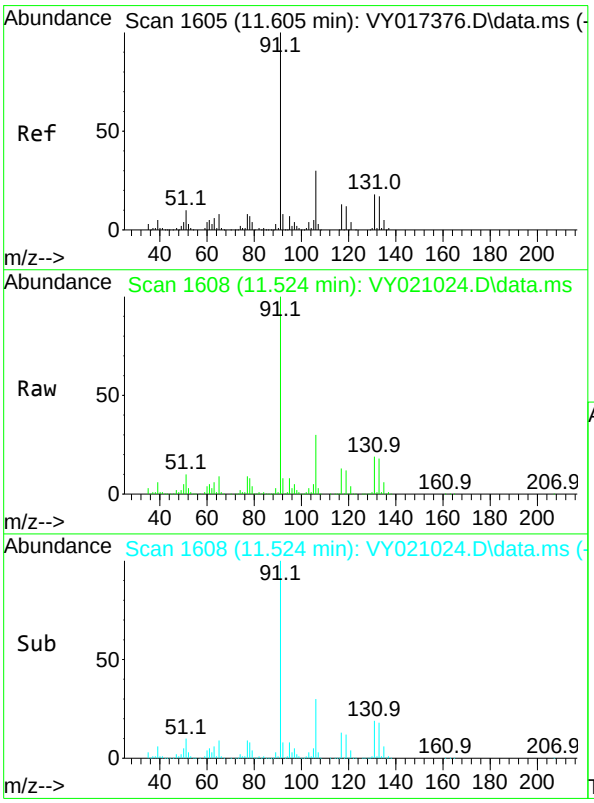

#65
Chlorobenzene
Concen: 99.441 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:112 Resp: 519942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 24.6 | 37.0 |

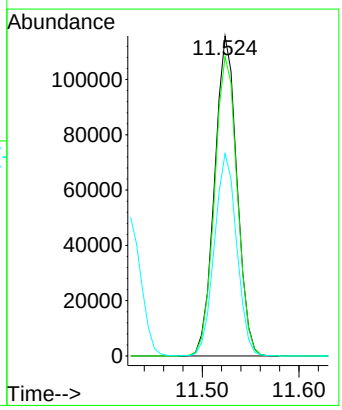


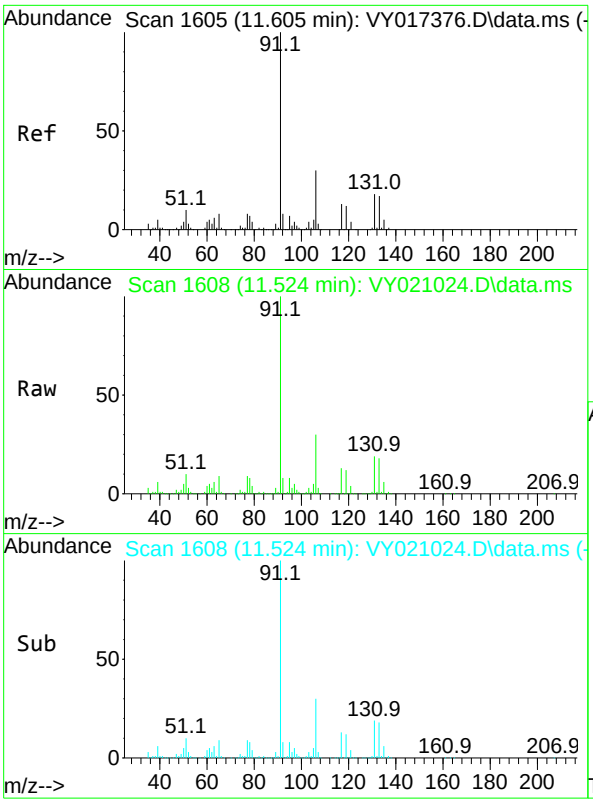




#66
1,1,1,2-Tetrachloroethane
Concen: 99.917 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:131 Resp: 185418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 48.7 | 146.1 |
| 119 | 63.0 | 31.4 | 94.3 |



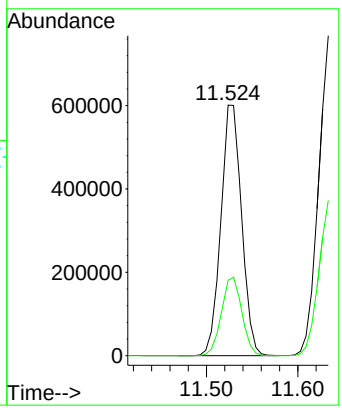


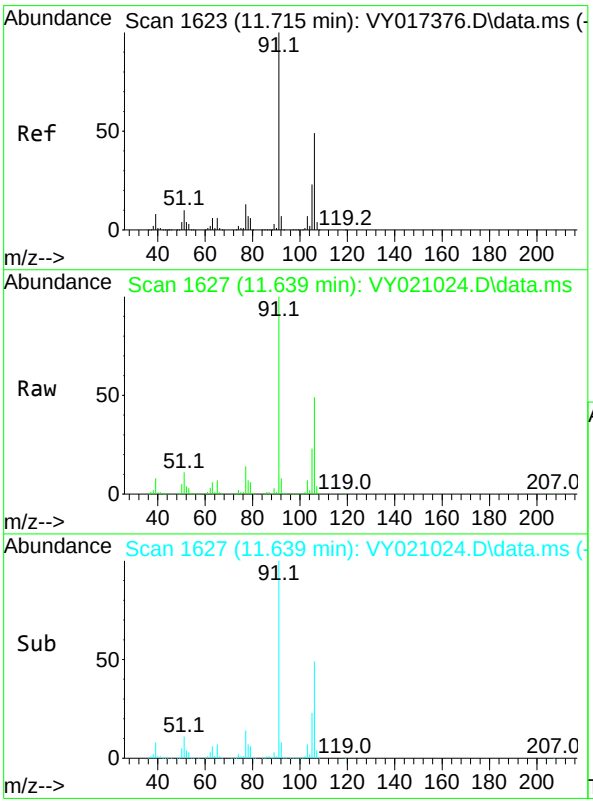

#67
Ethyl Benzene
Concen: 104.939 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 950017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 24.9 | 37.3 |

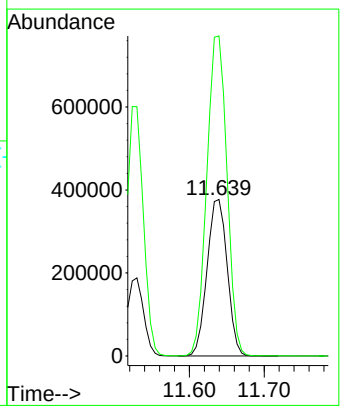


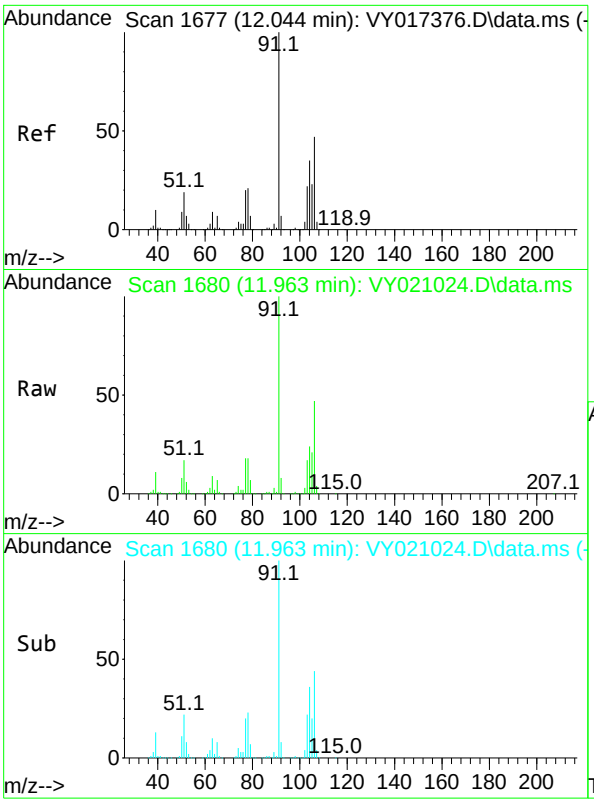




#68
m/p-Xylenes
Concen: 202.801 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:106 Resp: 705393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.1 | 160.0 | 240.0 |



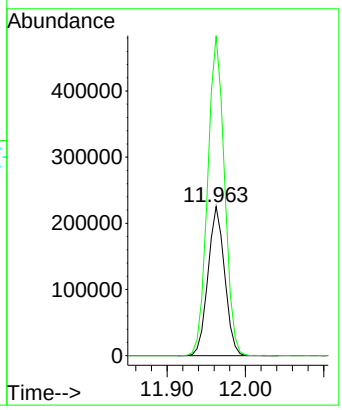


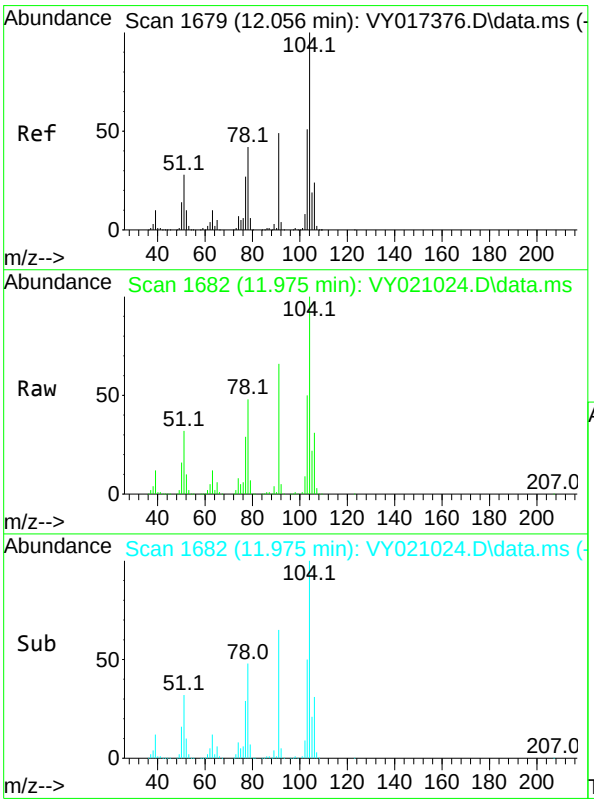

#69
o-Xylene
Concen: 102.783 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:106 Resp: 332346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.9 | 105.8 | 317.6 |

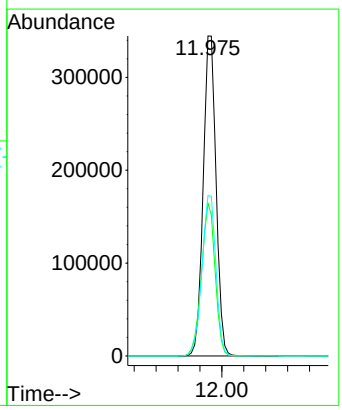


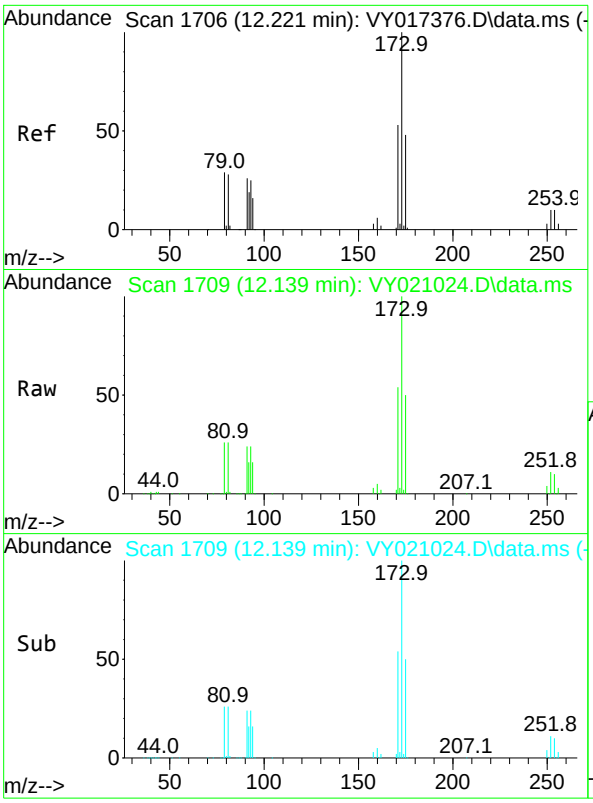




#70
Styrene
Concen: 104.245 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:104 Resp: 559633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.9 | 39.0 | 58.4 |
| 103 | 54.6 | 43.7 | 65.5 |



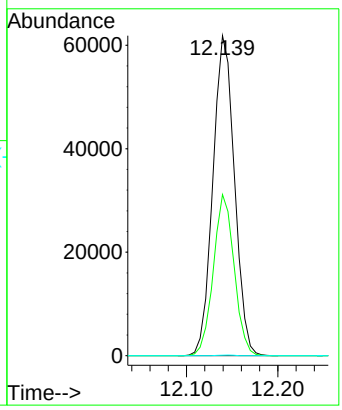


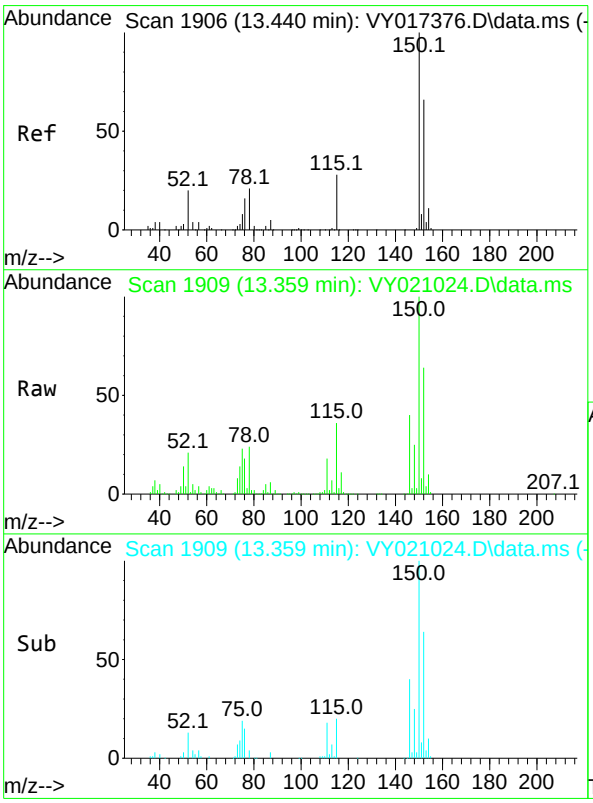

#71
Bromoform
Concen: 92.910 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:173 Resp: 101615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.1 | 72.2 |
| 254 | 0.1 | 0.0 | 0.0# |

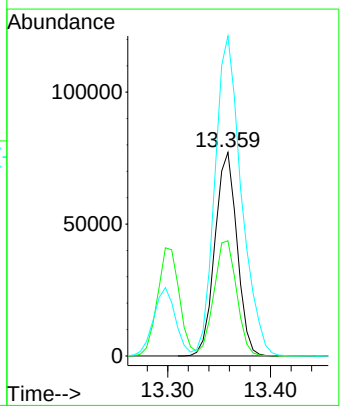


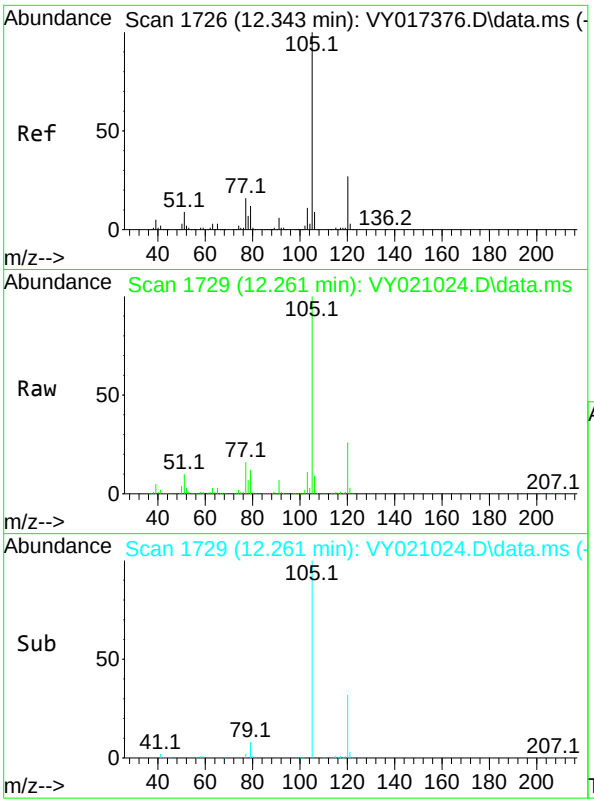




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:152 Resp: 115163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.0 | 28.4 | 85.2 |
| 150 | 188.0 | 0.0 | 342.8 |



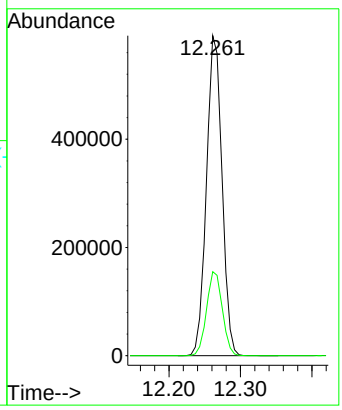


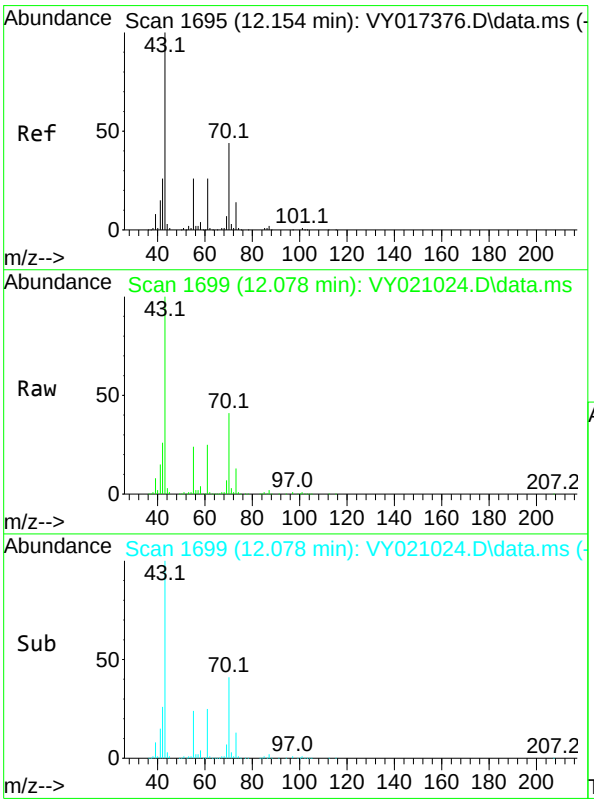

#73
Isopropylbenzene
Concen: 110.247 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 891697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 13.4 | 40.2 |

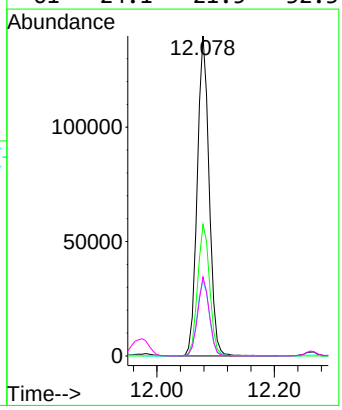


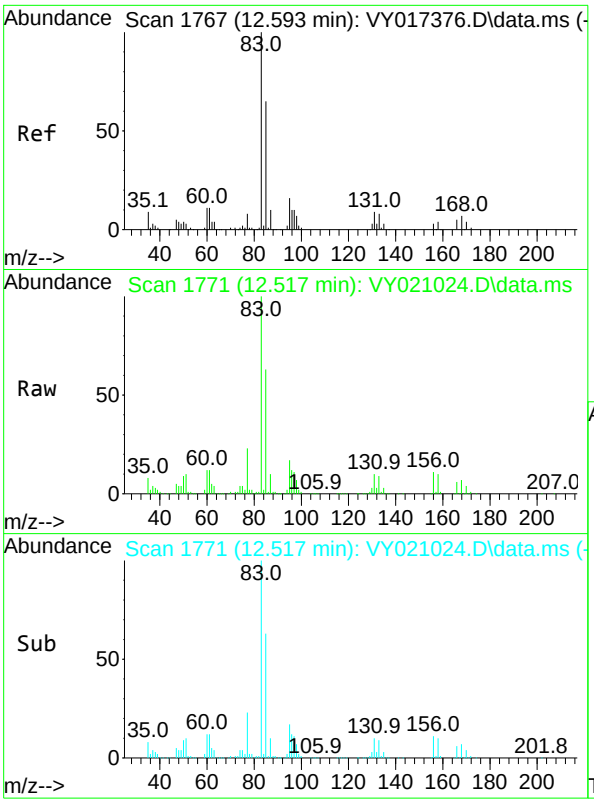




#74
N-amyl acetate
Concen: 133.629 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 43 Resp: 196809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.4 | 39.3 | 58.9 |
| 55 | 24.2 | 22.3 | 33.5 |
| 61 | 24.1 | 21.5 | 32.3 |



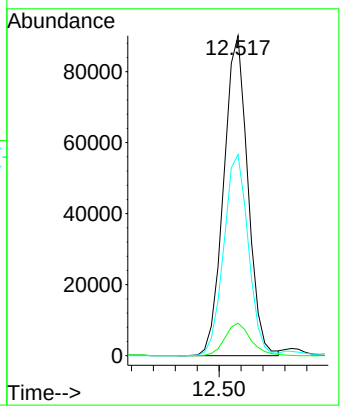


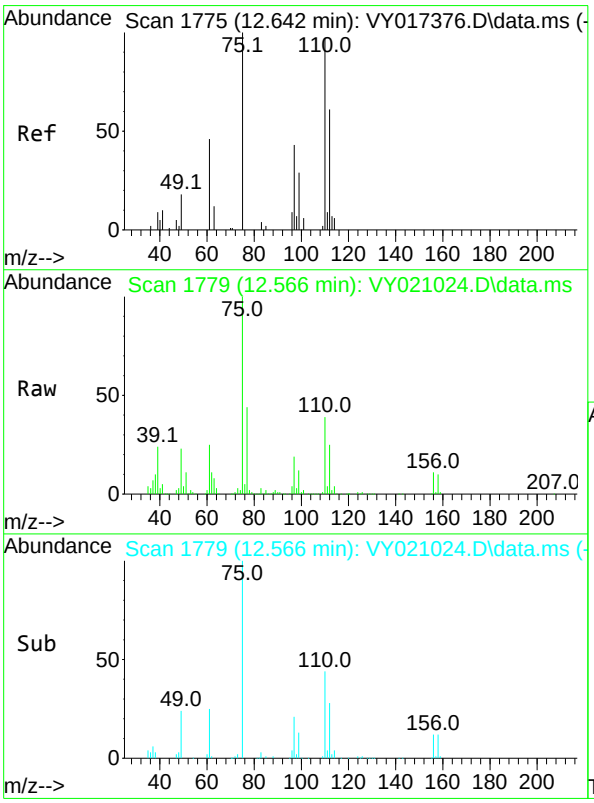

#75
1,1,2,2-Tetrachloroethane
Concen: 105.393 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 137599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 5.7 | 17.1 |
| 85 | 64.0 | 31.9 | 95.9 |

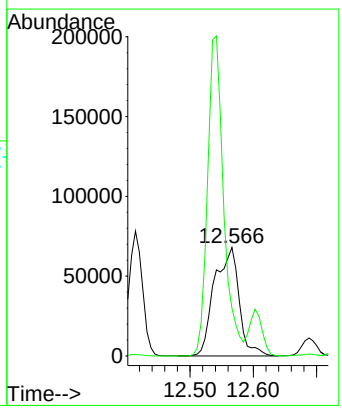


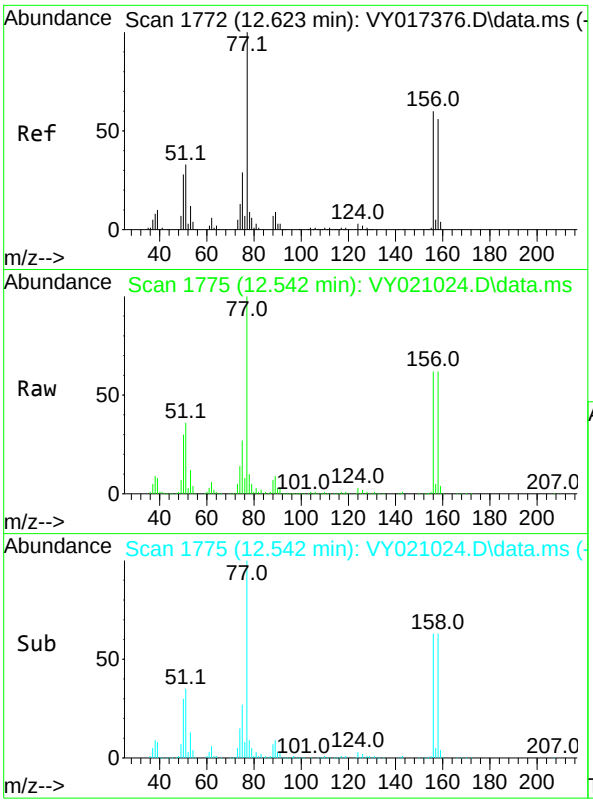




#76
1,2,3-Trichloropropane
Concen: 201.939 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 184099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



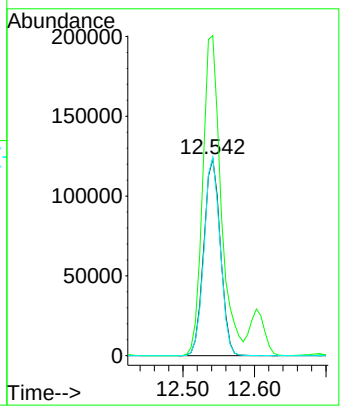


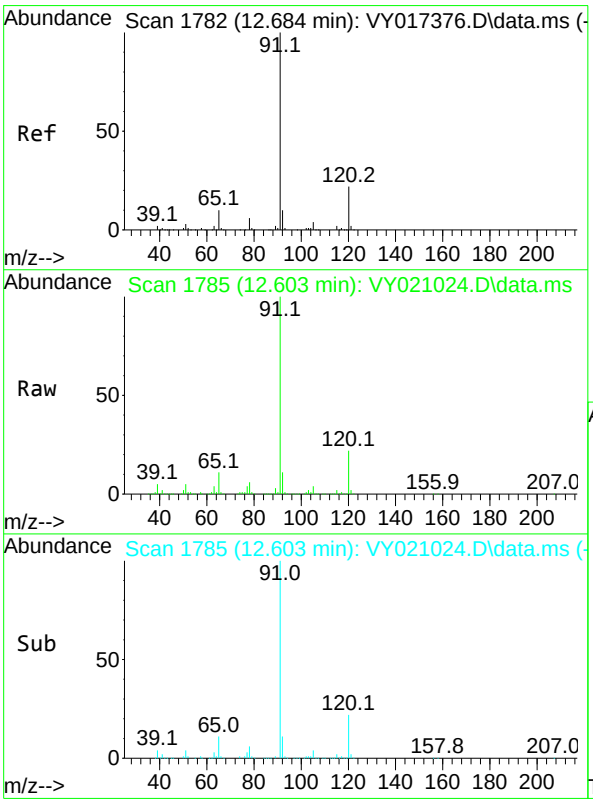

#77
Bromobenzene
Concen: 103.627 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:156 Resp: 198715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 179.5 | 83.3 | 249.9 |
| 158 | 98.1 | 48.3 | 144.9 |

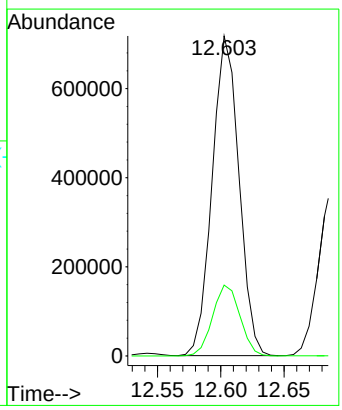


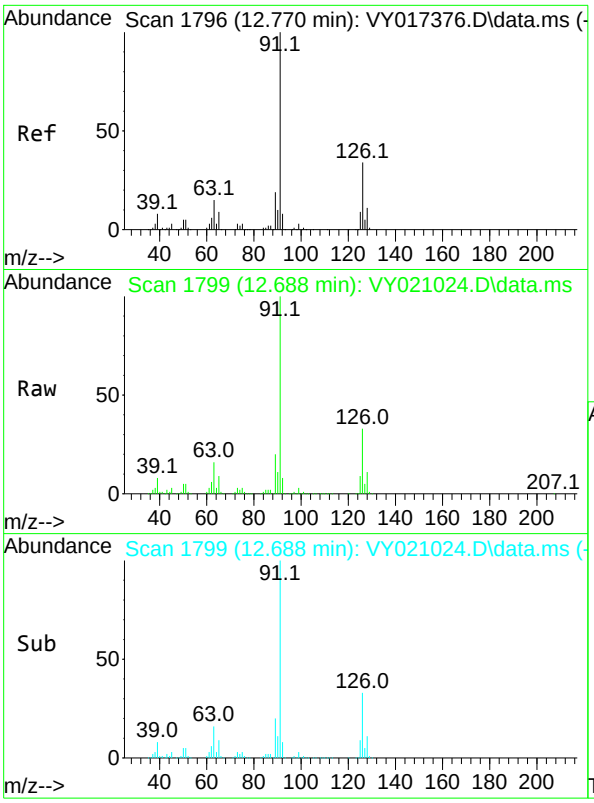




#78
n-propylbenzene
Concen: 111.529 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 1057216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.8 | 35.4 |



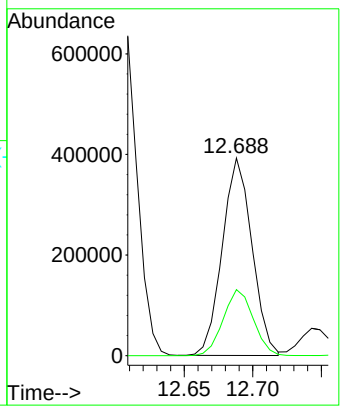


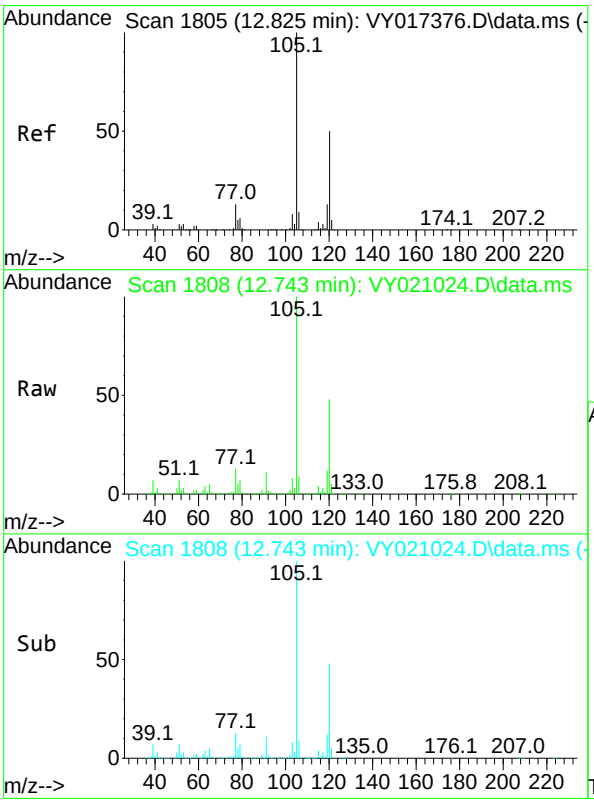

#79
2-Chlorotoluene
Concen: 109.632 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 592096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.9 | 17.3 | 51.9 |

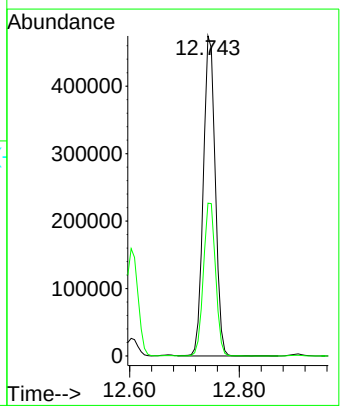


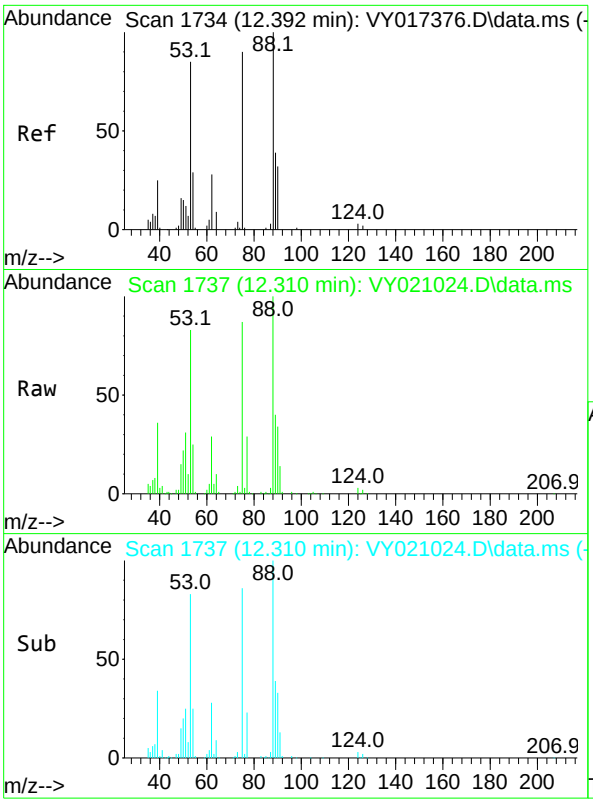




#80
1,3,5-Trimethylbenzene
Concen: 107.741 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 713935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 24.3 | 72.9 |



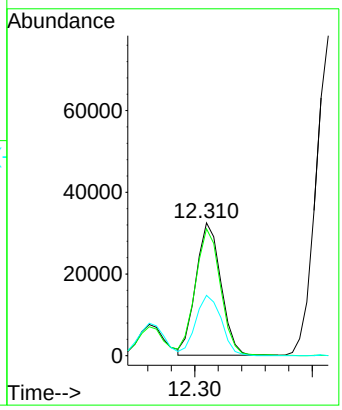


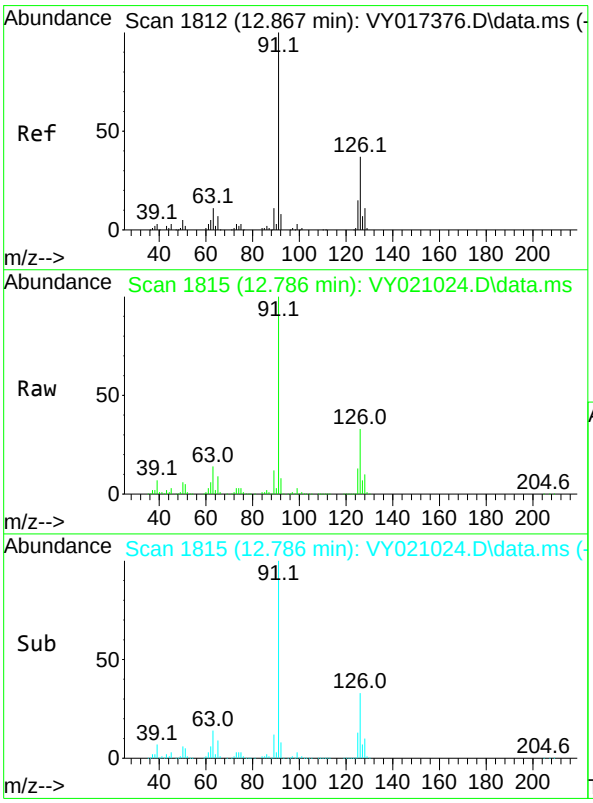

#81
trans-1,4-Dichloro-2-butene
Concen: 108.944 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 47846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 97.1 | 68.6 | 103.0 |
| 89 | 47.0 | 38.1 | 57.1 |

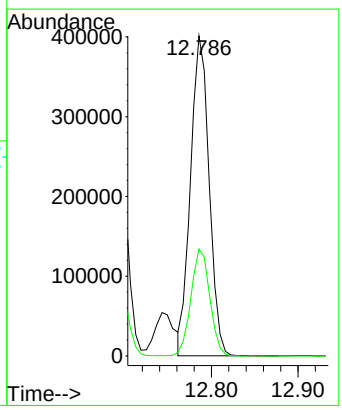


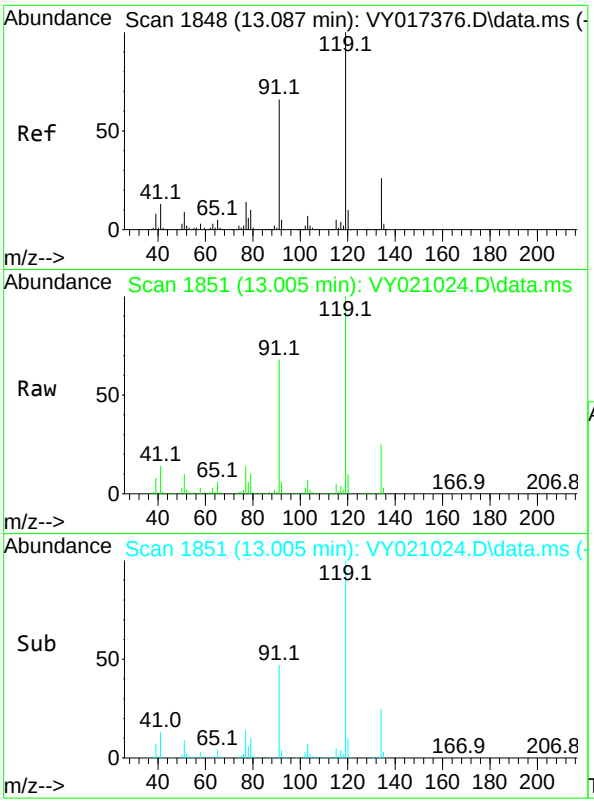




#82
4-Chlorotoluene
Concen: 108.014 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 91 Resp: 597047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 17.3 | 52.0 |



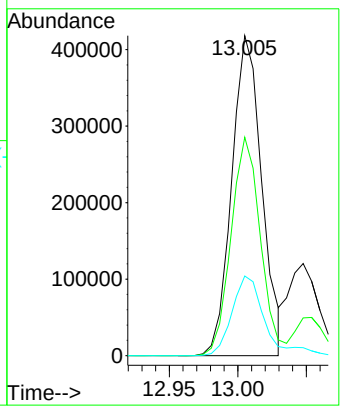


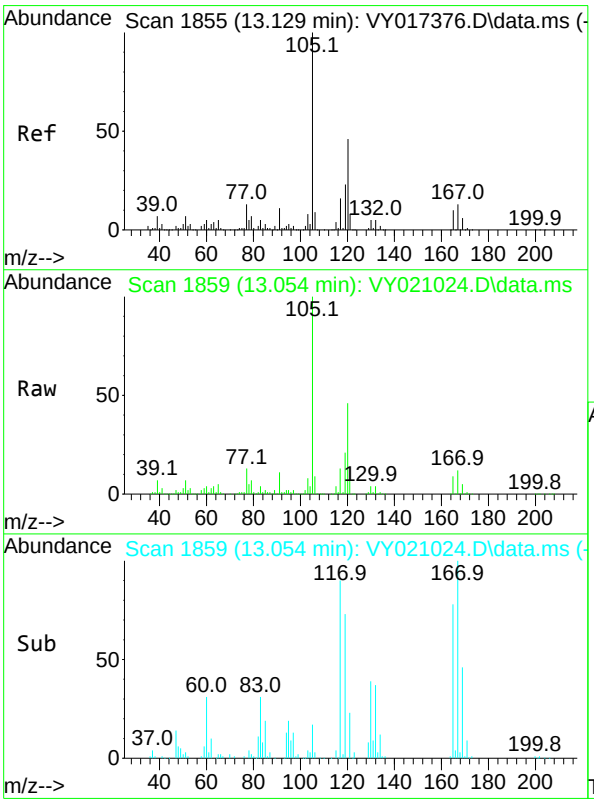

#83
tert-Butylbenzene
Concen: 103.933 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:119 Resp: 638740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.9 | 31.4 | 94.0 |
| 134 | 27.2 | 13.1 | 39.1 |

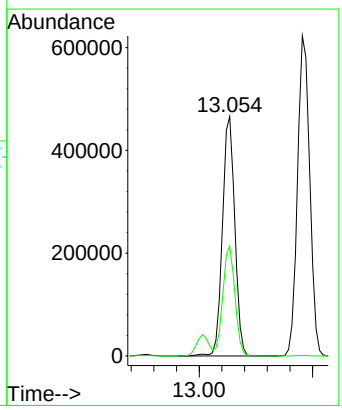


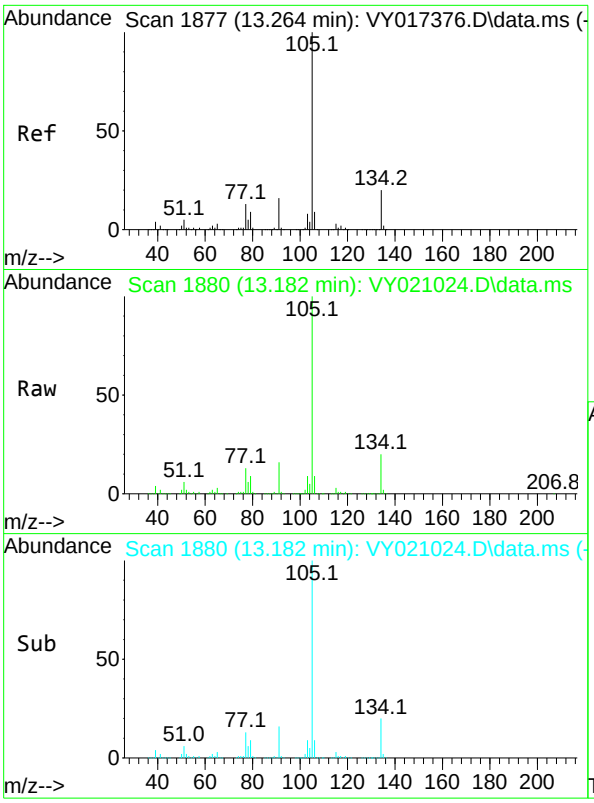




#84
1,2,4-Trimethylbenzene
Concen: 108.409 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:105 Resp: 701716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.1 | 22.7 | 68.0 |



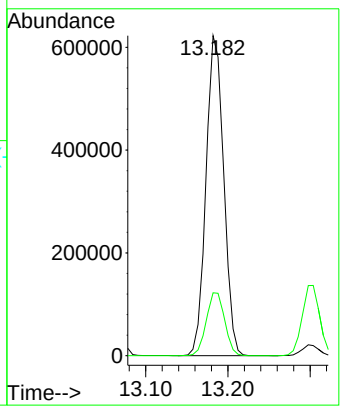


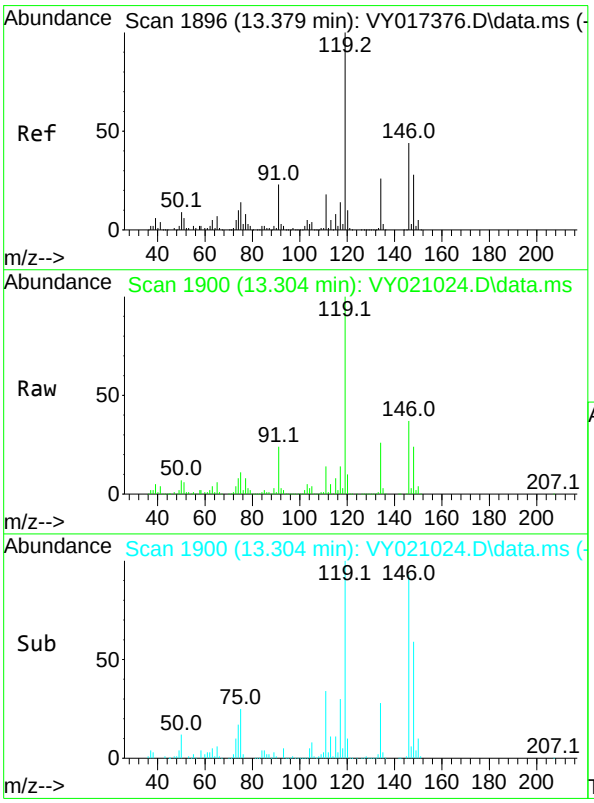

#85
sec-Butylbenzene
Concen: 107.093 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 931799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 10.3 | 30.8 |

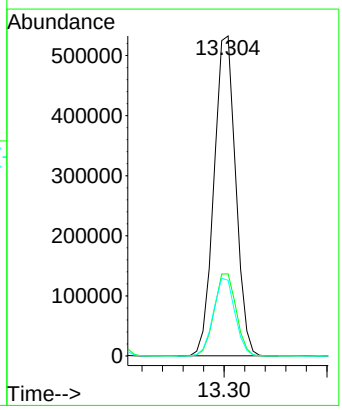


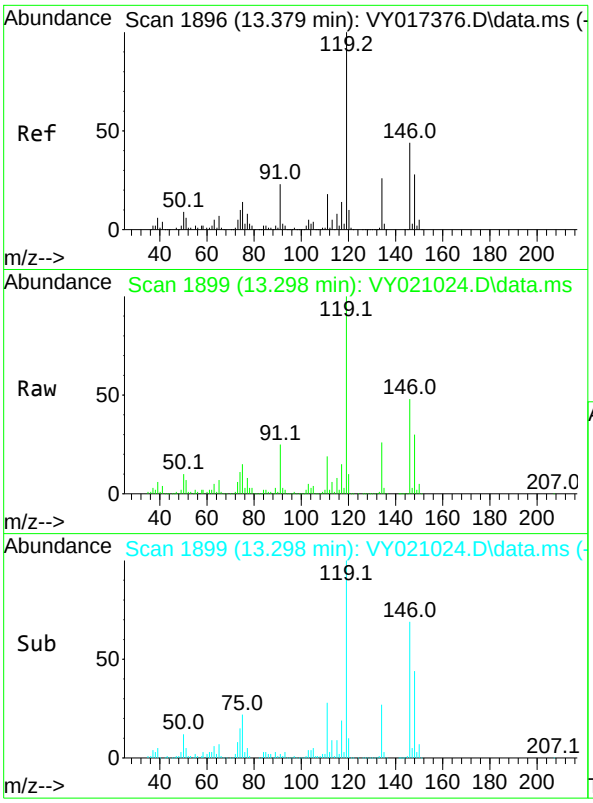




#86
p-Isopropyltoluene
Concen: 106.512 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:119 Resp: 778814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.1 | 39.3 |
| 91 | 24.2 | 11.5 | 34.5 |



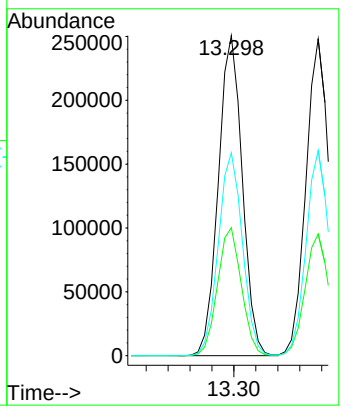


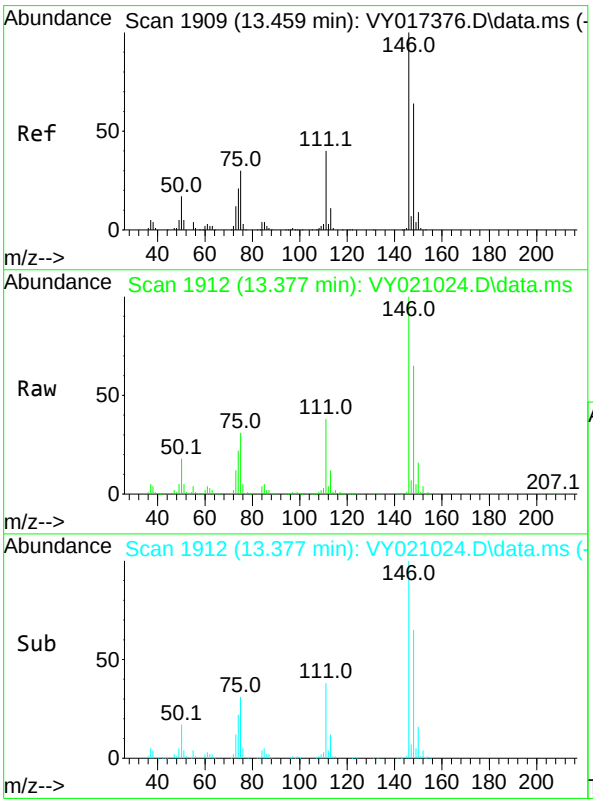

#87
1,3-Dichlorobenzene
Concen: 101.760 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 380481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 19.7 | 59.1 |
| 148 | 64.0 | 32.1 | 96.3 |

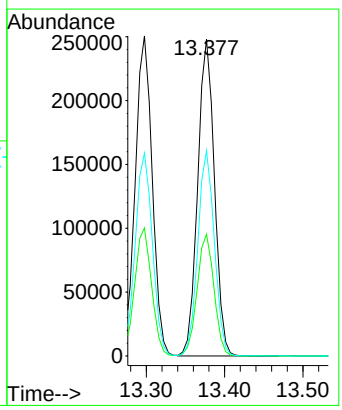


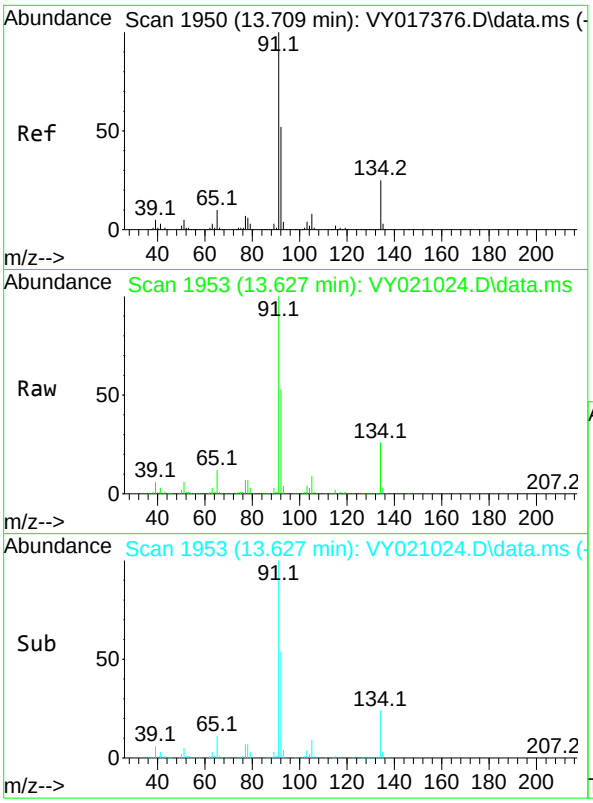




#88
1,4-Dichlorobenzene
Concen: 99.212 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:146 Resp: 368361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 19.0 | 57.0 |
| 148 | 64.0 | 31.6 | 95.0 |



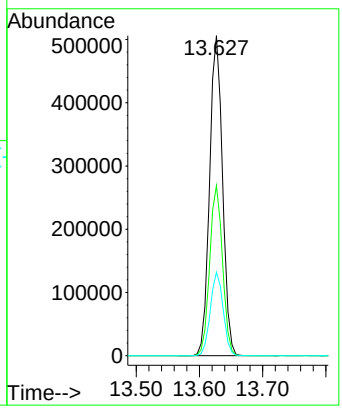


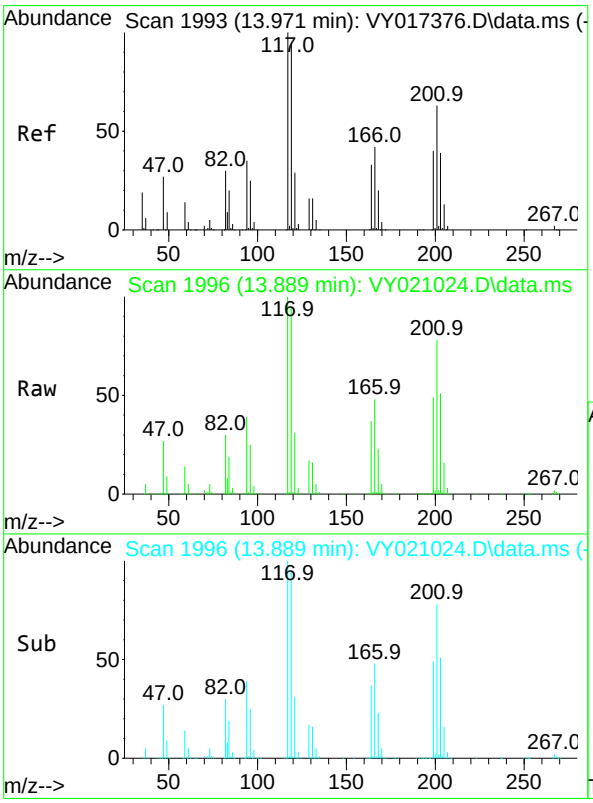

#89
n-Butylbenzene
Concen: 109.974 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 720257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.7 | 80.1 |
| 134 | 25.9 | 13.7 | 41.1 |

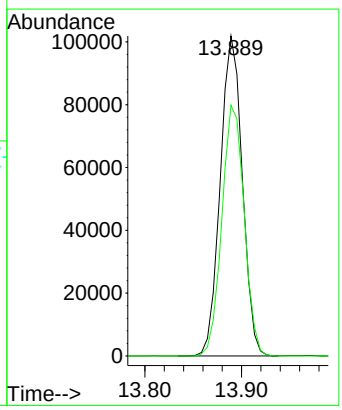


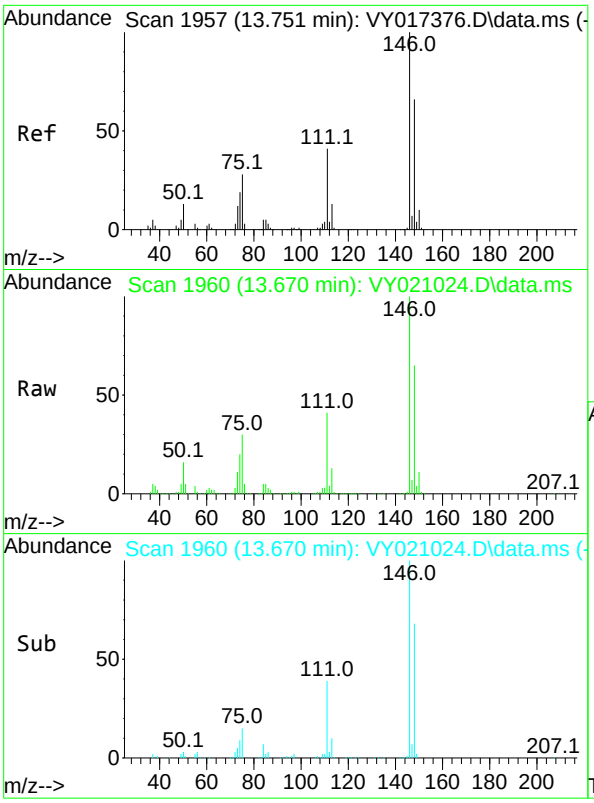




#90
Hexachloroethane
Concen: 108.782 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:117 Resp: 160918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 79.4 | 42.5 | 127.5 |



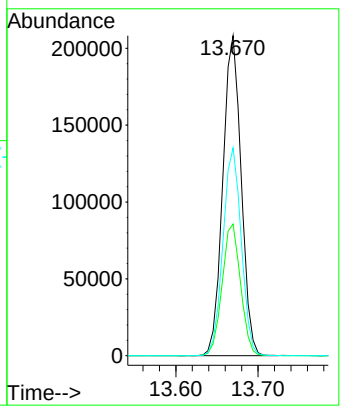


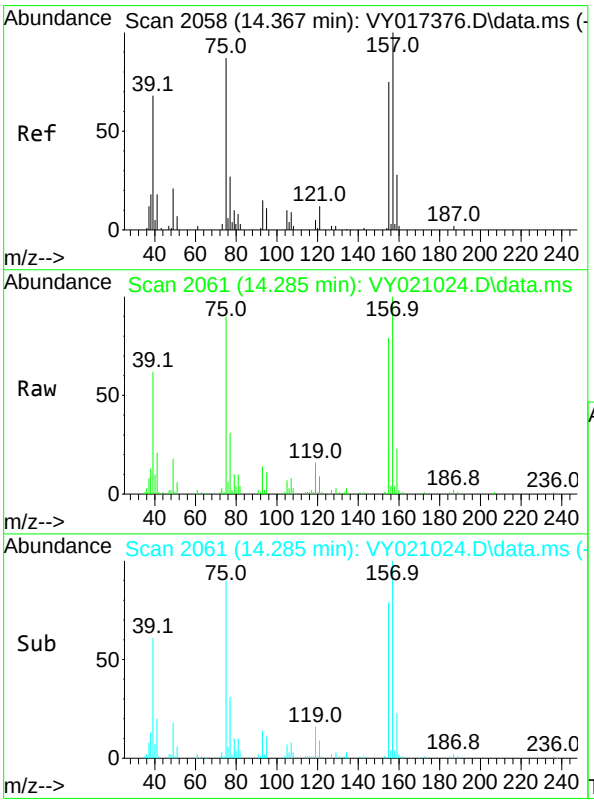

#91
1,2-Dichlorobenzene
Concen: 99.218 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 323508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.3 | 60.8 |
| 148 | 64.6 | 32.2 | 96.6 |

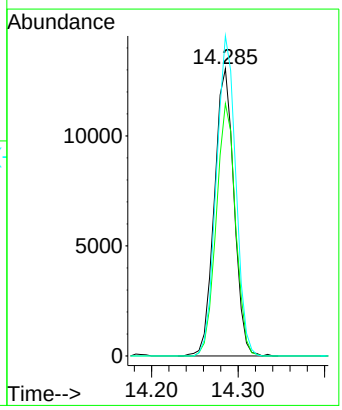


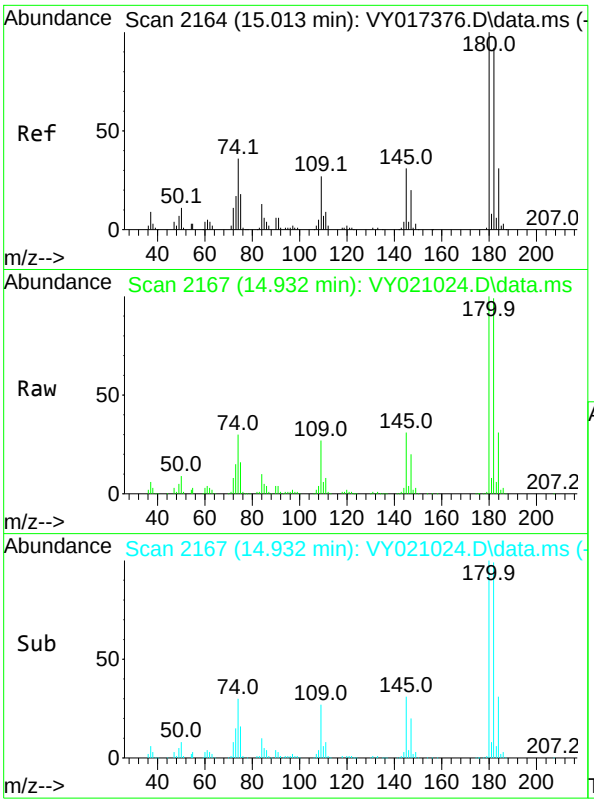




#92
1,2-Dibromo-3-Chloropropane
Concen: 102.253 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion: 75 Resp: 20553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.0 | 45.9 | 137.6 |
| 157 | 110.2 | 59.3 | 177.9 |



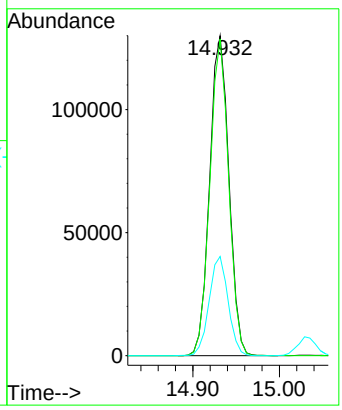


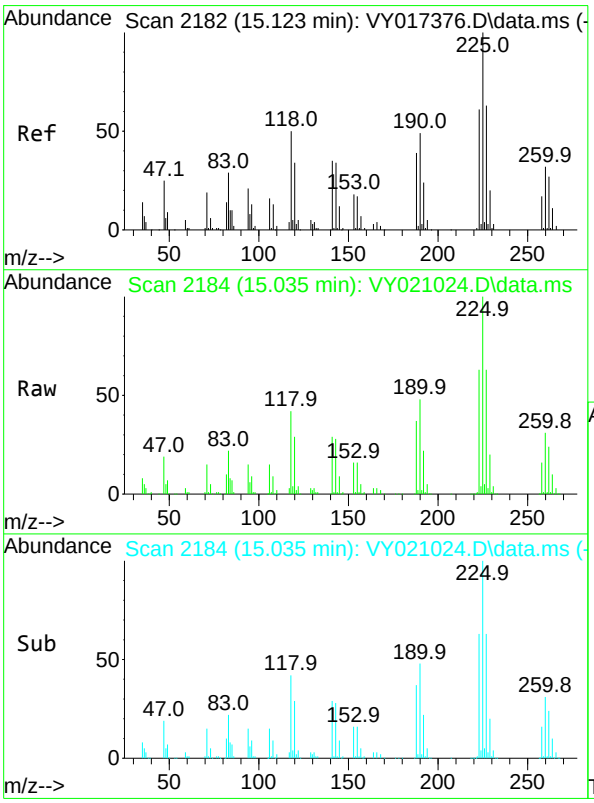

#93
1,2,4-Trichlorobenzene
Concen: 100.693 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:180 Resp: 201024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 48.3 | 144.8 |
| 145 | 30.6 | 15.3 | 45.8 |

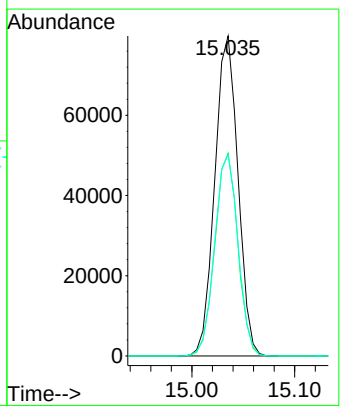


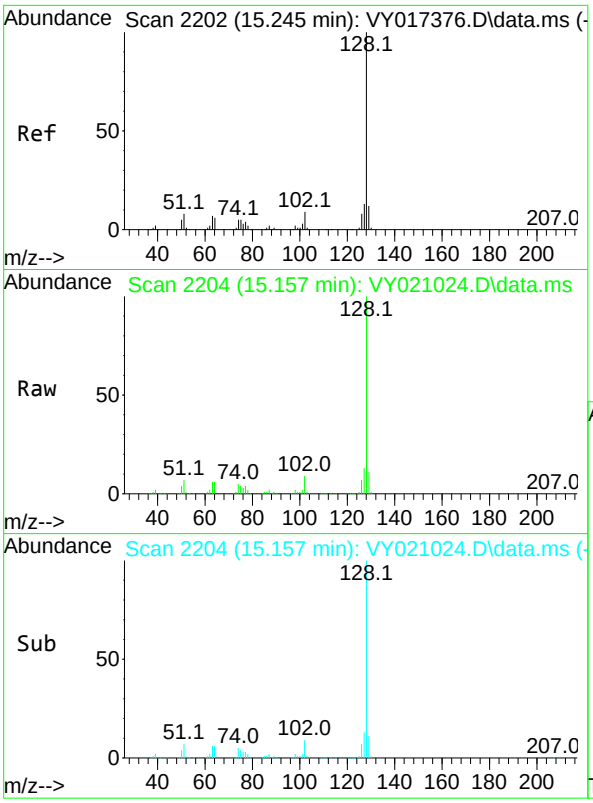




#94
Hexachlorobutadiene
Concen: 90.315 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:225 Resp: 124879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.8 | 31.4 | 94.2 |
| 227 | 63.5 | 31.8 | 95.3 |



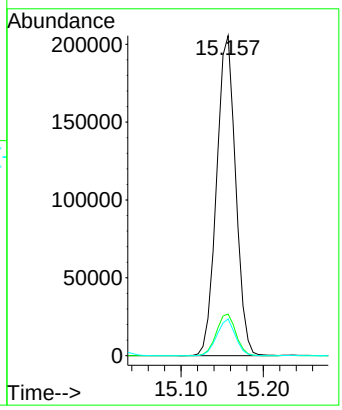


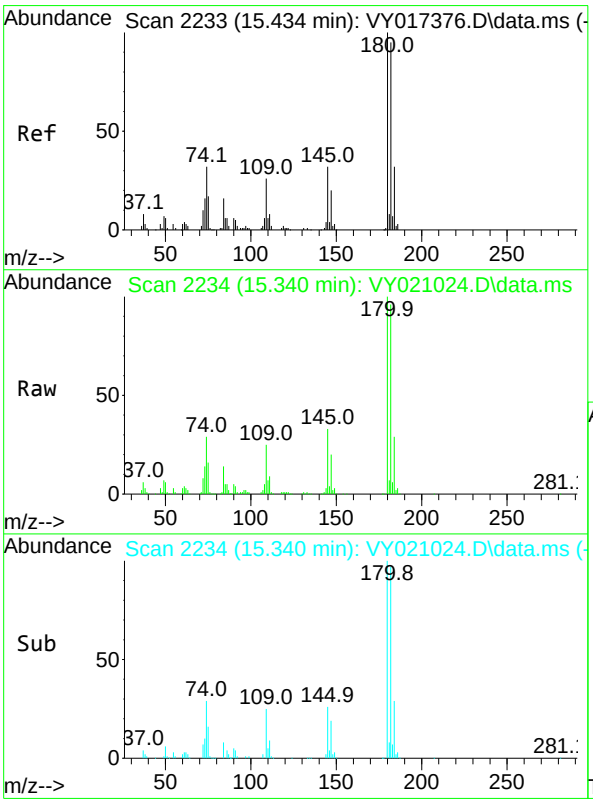

#95
Naphthalene
Concen: 103.361 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:128 Resp: 331641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.3 | 10.2 | 15.4 |
| 129 | 11.1 | 8.8 | 13.2 |

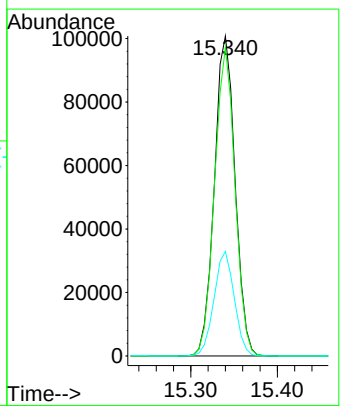



#96
1,2,3-Trichlorobenzene
Concen: 99.024 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021024.D
Acq: 03 Feb 2025 12:21

Tgt Ion:180 Resp: 167187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 47.7 | 143.1 |
| 145 | 32.0 | 15.6 | 46.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Quant Time: Feb 03 13:02:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:45:06 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 189855 | 50.000 | ug/l | -0.09 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 287697 | 50.000 | ug/l | -0.09 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 248527 | 50.000 | ug/l | -0.08 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 112575 | 50.000 | ug/l | -0.09 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 293662 | 145.767 | ug/l | -0.09 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 291.540%# | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 287798 | 156.902 | ug/l | -0.09 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 313.800%# | | | |
| 50) Toluene-d8 | 10.109 | 98 | 1111573 | 156.398 | ug/l | -0.09 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 312.800%# | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 360358 | 165.389 | ug/l | -0.09 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 330.780%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 260067 | 160.825 | ug/l | 97 |
| 3) Chloromethane | 2.074 | 50 | 248885 | 81.348 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 252501 | 69.162 | ug/l | 99 |
| 5) Bromomethane | 2.592 | 94 | 146541 | 56.546 | ug/l | 99 |
| 6) Chloroethane | 2.739 | 64 | 148751 | 63.941 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.062 | 101 | 462994 | 126.220 | ug/l | 99 |
| 8) Diethyl Ether | 3.458 | 74 | 147927 | 139.670 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 290713 | 131.732 | ug/l | 95 |
| 10) Methyl Iodide | 4.013 | 142 | 352076 | 162.310 | ug/l | 94 |
| 11) Tert butyl alcohol | 4.872 | 59 | 91037 | 848.981 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 283433 | 139.249 | ug/l | 94 |
| 13) Acrolein | 3.659 | 56 | 152214 | 699.170 | ug/l | 98 |
| 14) Allyl chloride | 4.391 | 41 | 481954 | 160.132 | ug/l | 96 |
| 15) Acrylonitrile | 5.061 | 53 | 309767 | 679.868 | ug/l | 99 |
| 16) Acetone | 3.873 | 43 | 237711 | 568.499 | ug/l | 96 |
| 17) Carbon Disulfide | 4.116 | 76 | 886308 | 136.501 | ug/l | 100 |
| 18) Methyl Acetate | 4.391 | 43 | 166019 | 85.794 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.122 | 73 | 720513 | 159.242 | ug/l | 99 |
| 20) Methylene Chloride | 4.622 | 84 | 281630 | 138.679 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 306161 | 131.661 | ug/l | 94 |
| 22) Diisopropyl ether | 6.025 | 45 | 955213 | 148.098 | ug/l | 97 |
| 23) Vinyl Acetate | 5.970 | 43 | 2761423 | 1071.606 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.921 | 63 | 563116 | 139.932 | ug/l | 98 |
| 25) 2-Butanone | 6.902 | 43 | 395886 | 600.838 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 527500 | 153.044 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 6.896 | 96 | 356495 | 142.393 | ug/l | 94 |
| 28) Bromochloromethane | 7.256 | 49 | 224174 | 154.819 | ug/l | 98 |
| 29) Tetrahydrofuran | 7.268 | 42 | 263943 | 722.351 | ug/l | 96 |
| 30) Chloroform | 7.427 | 83 | 572890 | 142.767 | ug/l | 98 |
| 31) Cyclohexane | 7.707 | 56 | 485167 | 126.502 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 540513 | 151.815 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 423720 | 141.085 | ug/l | 99 |
| 37) Ethyl Acetate | 6.988 | 43 | 186661 | 152.878 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 501205 | 173.920 | ug/l | 99 |
| 39) Methylcyclohexane | 9.115 | 83 | 542900 | 150.976 | ug/l | 98 |
| 40) Benzene | 8.085 | 78 | 1239229 | 147.276 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Quant Time: Feb 03 13:02:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:45:06 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.226 | 41 | 115234 | 185.172 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 340547 | 159.023 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.201 | 43 | 388966 | 177.842 | ug/l | # | 86 |
| 44) Trichloroethene | 8.872 | 130 | 323716 | 148.882 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 294150 | 145.255 | ug/l | | 100 |
| 46) Dibromomethane | 9.237 | 93 | 161341 | 153.538 | ug/l | | 95 |
| 47) Bromodichloromethane | 9.426 | 83 | 437119 | 161.734 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.225 | 41 | 187040 | 162.199 | ug/l | | 94 |
| 49) 1,4-Dioxane | 9.231 | 88 | 32704 | 3020.404 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 965506 | 812.473 | ug/l | | 98 |
| 52) Toluene | 10.176 | 92 | 792134 | 154.914 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 416872 | 166.490 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 483429 | 157.719 | ug/l | | 92 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 209006 | 145.030 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.444 | 69 | 313458 | 213.398 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 365553 | 147.276 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 721923 | 766.301 | ug/l | | 100 |
| 59) 2-Hexanone | 10.762 | 43 | 642448 | 752.306 | ug/l | | 98 |
| 60) Dibromochloromethane | 10.914 | 129 | 298751 | 178.499 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 200840 | 151.965 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.652 | 164 | 288752 | 157.146 | ug/l | | 96 |
| 65) Chlorobenzene | 11.444 | 112 | 854481 | 162.172 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 303176 | 159.965 | ug/l | | 97 |
| 67) Ethyl Benzene | 11.633 | 91 | 2360814 | 243.252 | ug/l | # | 67 |
| 68) m/p-Xylenes | 11.633 | 106 | 1152452 | 314.940 | ug/l | | 97 |
| 69) o-Xylene | 11.963 | 106 | 543425 | 164.162 | ug/l | | 97 |
| 70) Styrene | 11.975 | 104 | 900989 | 177.408 | ug/l | | 97 |
| 71) Bromoform | 12.139 | 173 | 170929 | 186.022 | ug/l | # | 97 |
| 73) Isopropylbenzene | 12.261 | 105 | 1439642 | 153.455 | ug/l | | 100 |
| 74) N-amyl acetate | 12.072 | 43 | 337562 | 181.987 | ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 229575 | 136.546 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.688 | 75 | 28402 | 25.245 | ug/l | # | 100 |
| 77) Bromobenzene | 12.536 | 156 | 330230 | 167.148 | ug/l | | 92 |
| 78) n-propylbenzene | 12.603 | 91 | 1706799 | 147.779 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.786 | 91 | 973177 | 154.410 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 1146647 | 155.522 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75 | 196534 | 386.798 | ug/l | # | 12 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 973177 | 149.992 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 1067144 | 165.732 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 1138490 | 156.424 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 1489668 | 151.621 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 1267584 | 159.437 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.371 | 146 | 600370 | 150.146 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 600370 | 154.353 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 1172760 | 151.860 | ug/l | | 98 |
| 90) Hexachloroethane | 13.883 | 117 | 264877 | 160.731 | ug/l | | 86 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 529143 | 160.577 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 36737 | 175.945 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 338957 | 206.167 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 204211 | 201.244 | ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 581994 | 203.420 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 280907 | 203.655 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Quant Time: Feb 03 13:02:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:45:06 2025
Response via : Initial Calibration

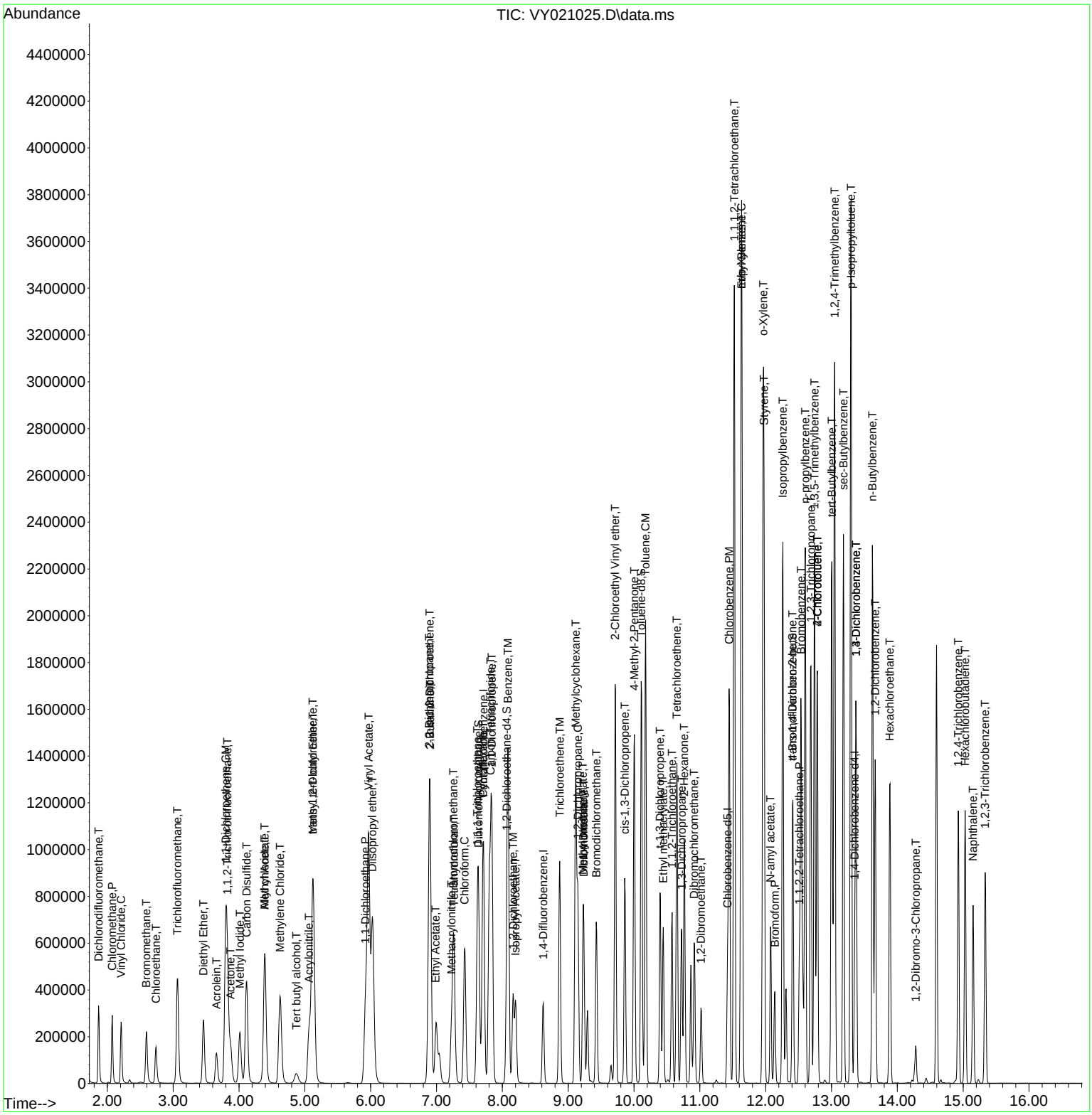
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

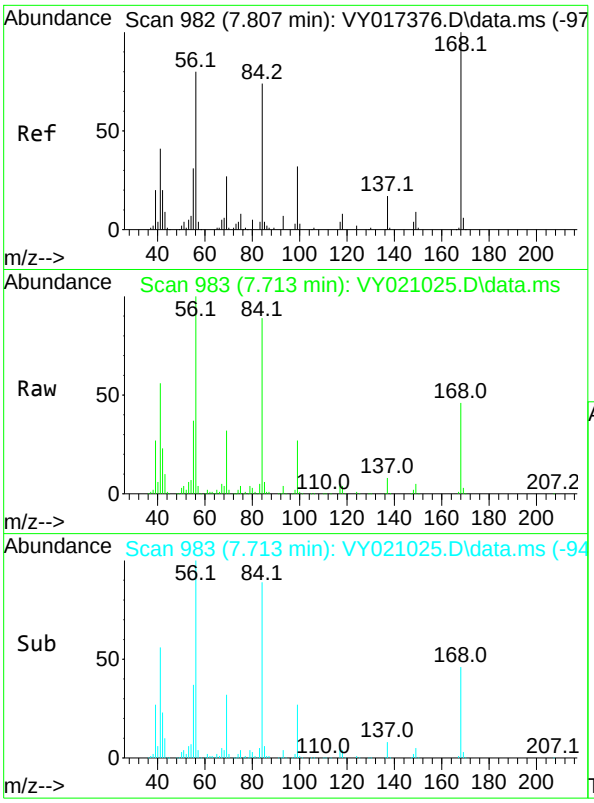
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021025.D
Acq On : 03 Feb 2025 12:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Quant Time: Feb 03 13:02:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 12:45:06 2025
Response via : Initial Calibration



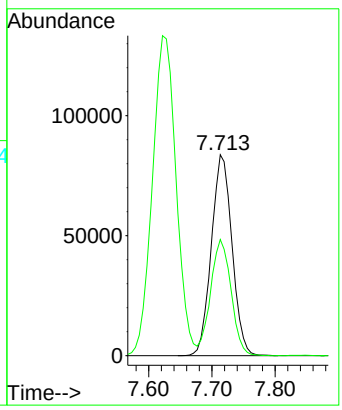


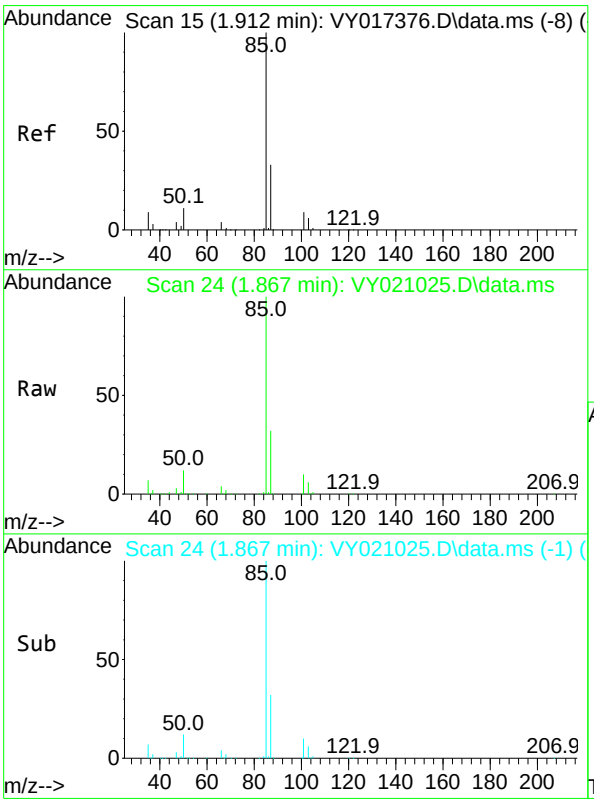

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:168 Resp: 189855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.7 | 44.2 | 66.4 |

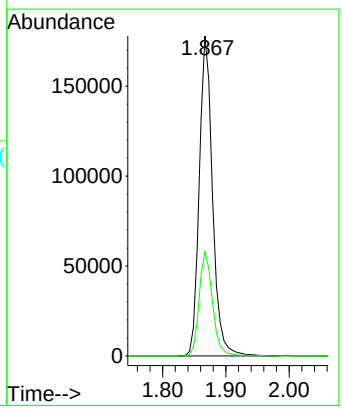


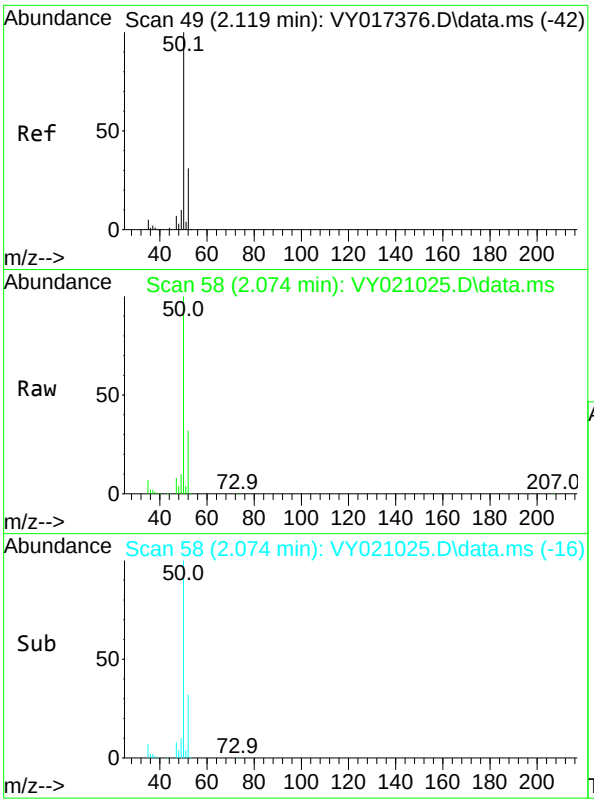




#2
Dichlorodifluoromethane
Concen: 160.825 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.045 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 85 Resp: 260067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 17.1 | 51.3 |



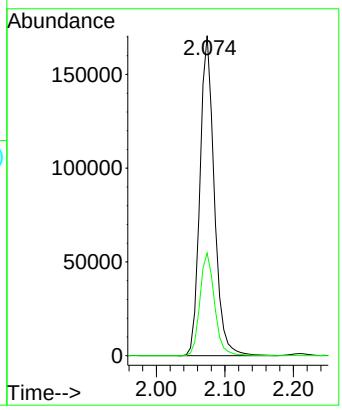


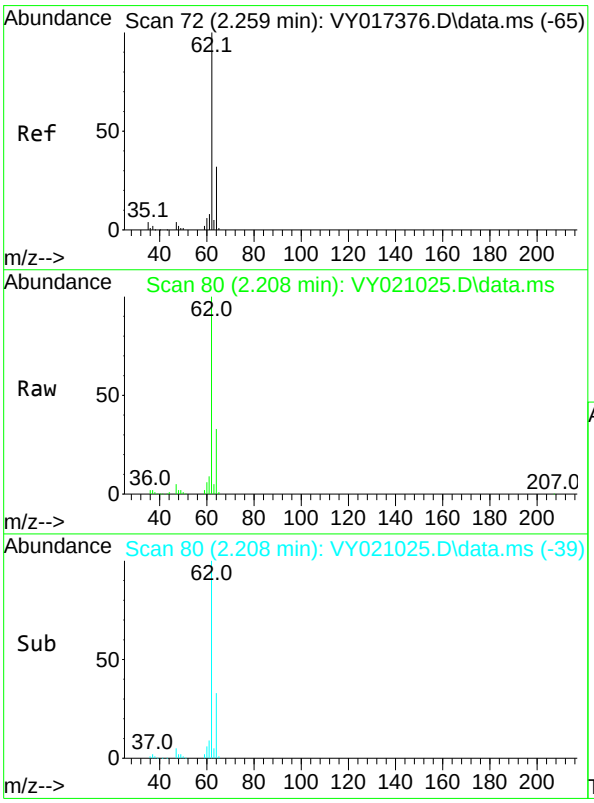

#3
Chloromethane
Concen: 81.348 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.045 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 50 Resp: 248885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.7 | 40.1 |

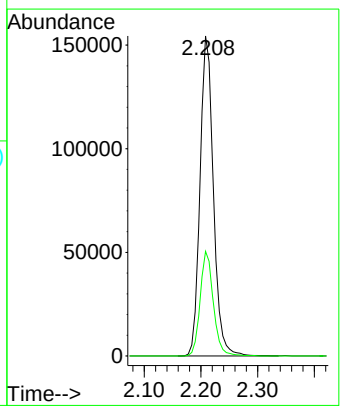


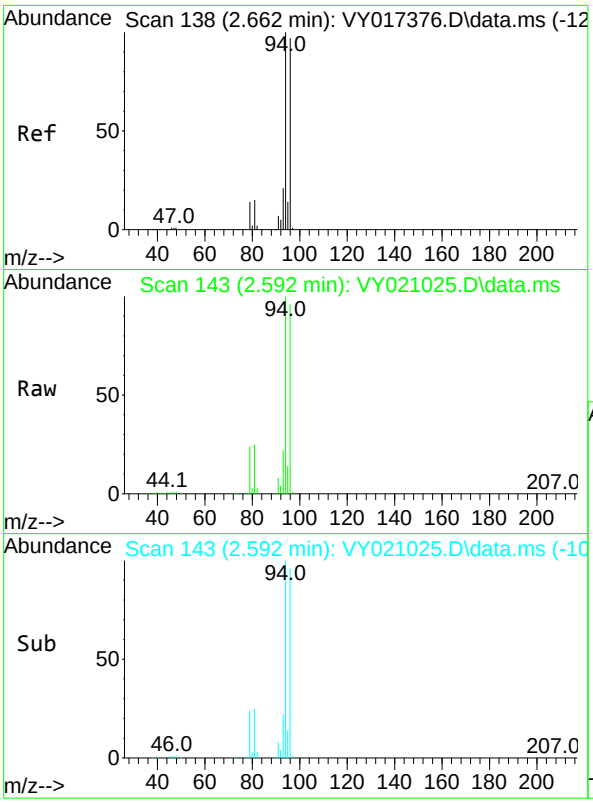




#4
Vinyl Chloride
Concen: 69.162 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.051 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 62 Resp: 252501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 25.7 | 38.5 |



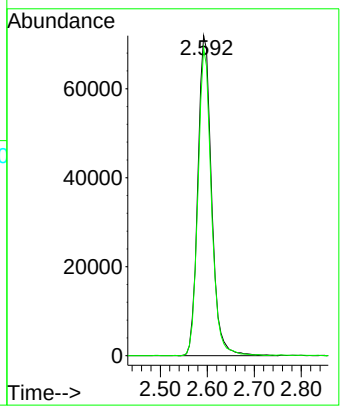


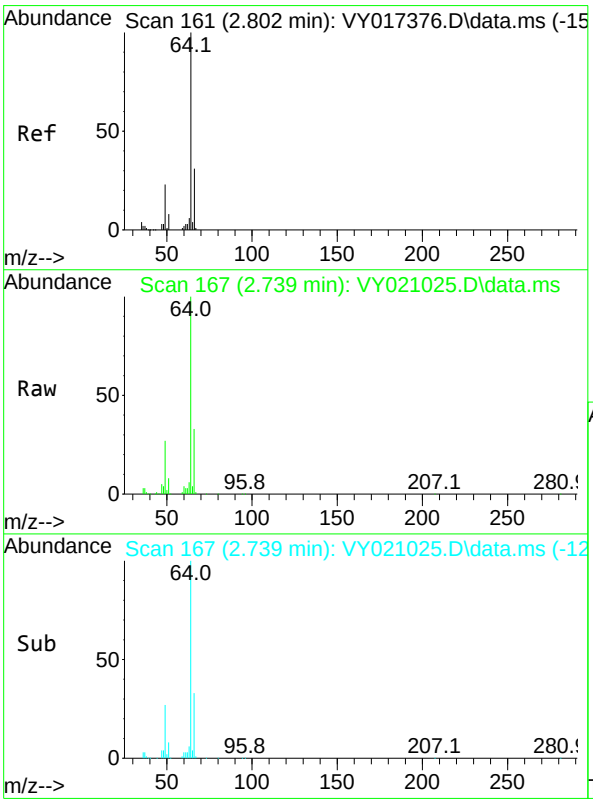

#5
Bromomethane
Concen: 56.546 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.070 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 94 Resp: 146541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.1 | 77.3 | 115.9 |

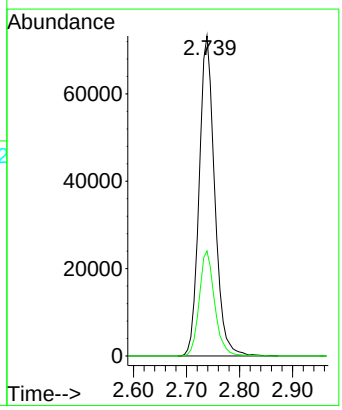


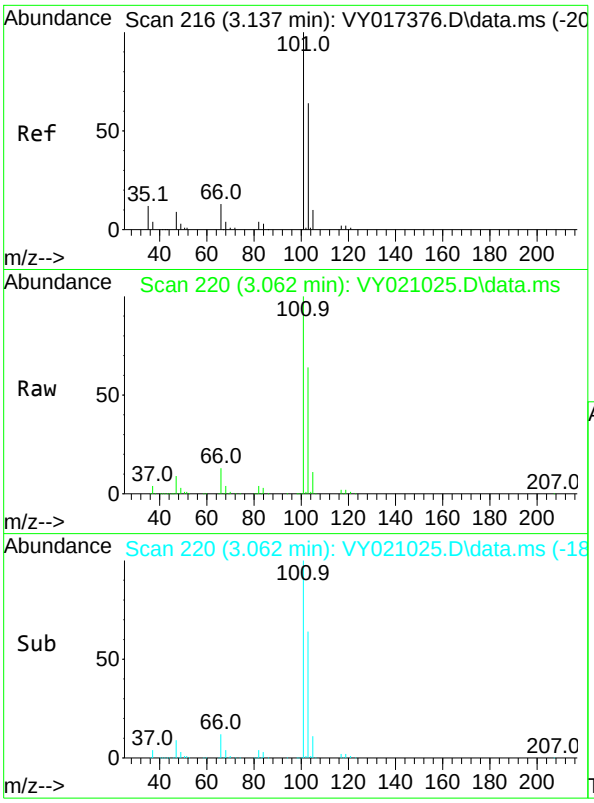




#6
Chloroethane
Concen: 63.941 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.063 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 64 Resp: 148751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.8 | 25.1 | 37.7 |



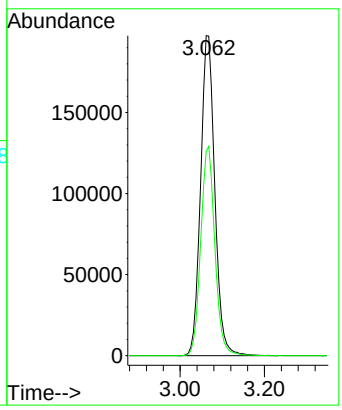


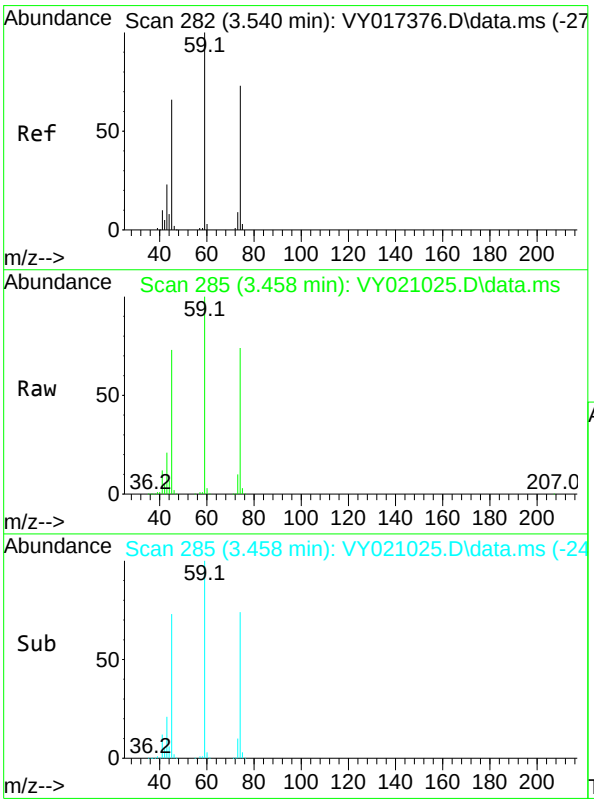

#7
Trichlorofluoromethane
Concen: 126.220 ug/l
RT: 3.062 min Scan# 2
Delta R.T. -0.076 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 462994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.9 | 51.9 | 77.9 |

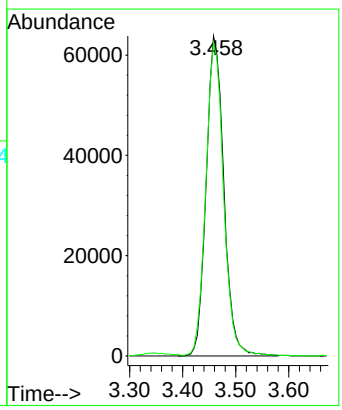


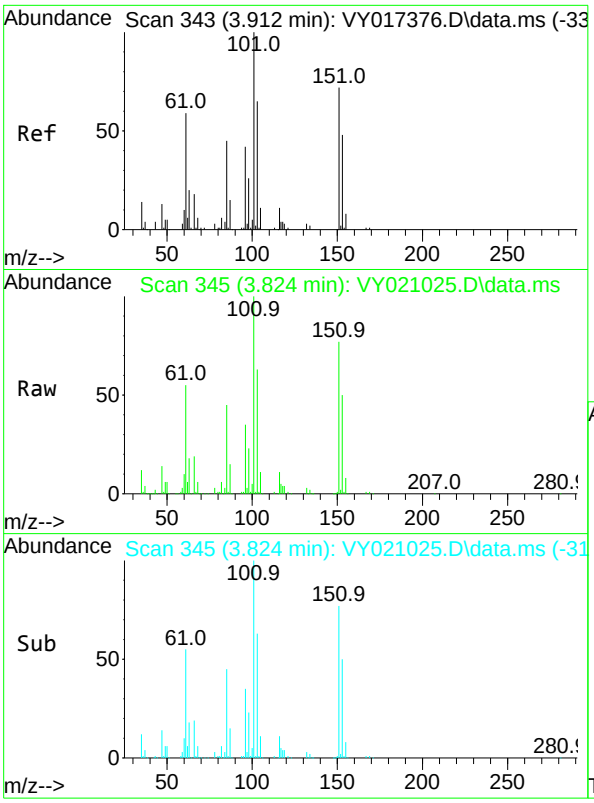




#8
Diethyl Ether
Concen: 139.670 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 74 Resp: 147927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 98.2 | 47.9 | 143.7 |



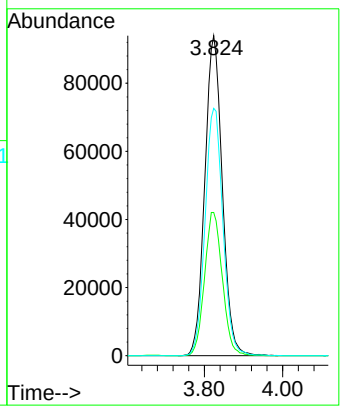


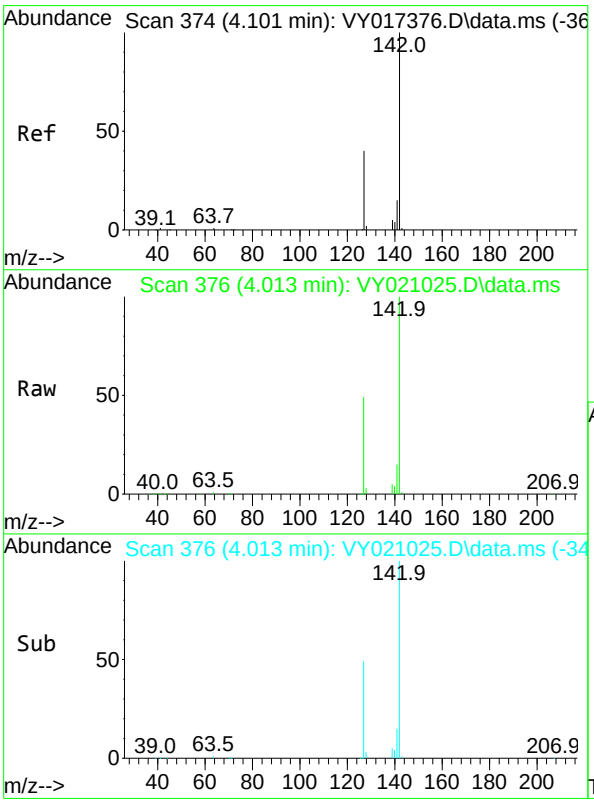

#9
1,1,2-Trichlorotrifluoroethane
Concen: 131.732 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 290713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.6 | 35.8 | 53.6 |
| 151 | 78.9 | 58.6 | 88.0 |

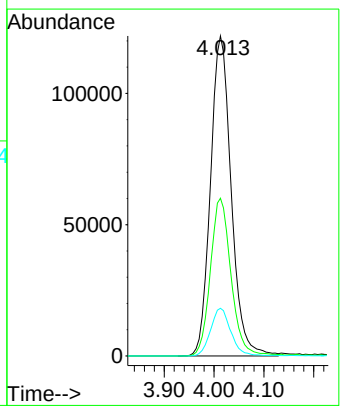


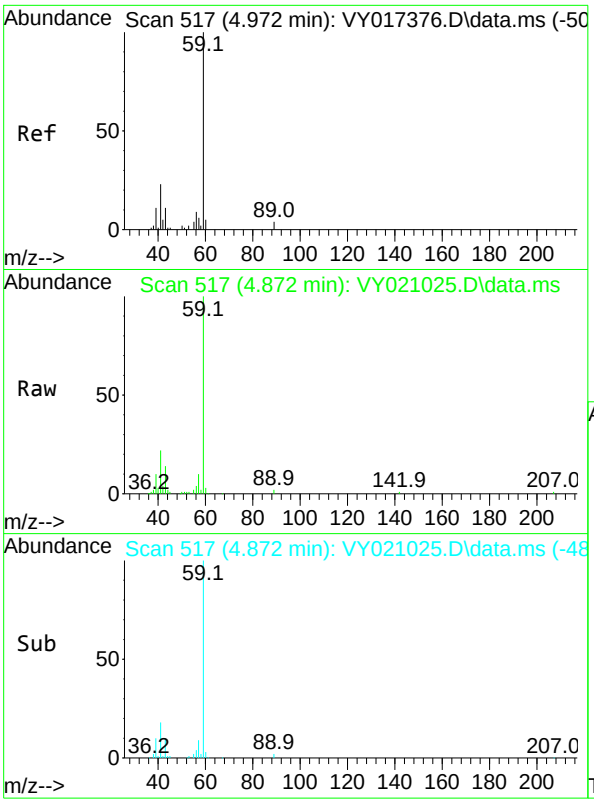




#10
Methyl Iodide
Concen: 162.310 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:142 Resp: 352076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.2 | 35.1 | 52.7 |
| 141 | 14.5 | 11.8 | 17.6 |



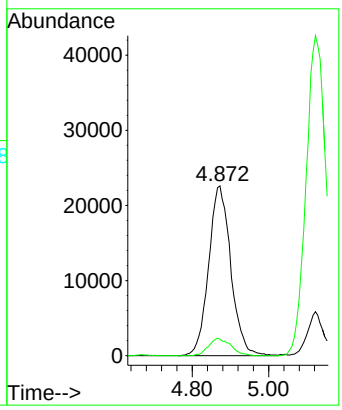


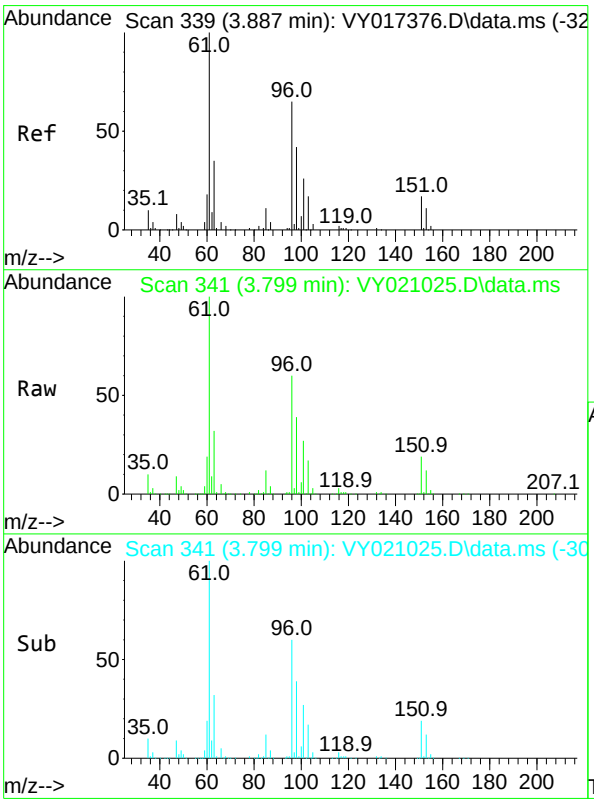

#11
Tert butyl alcohol
Concen: 848.981 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 59 Resp: 91037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.4 | 11.0 |

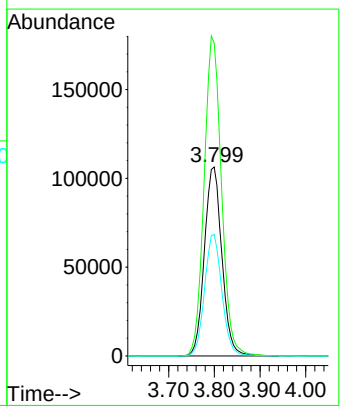


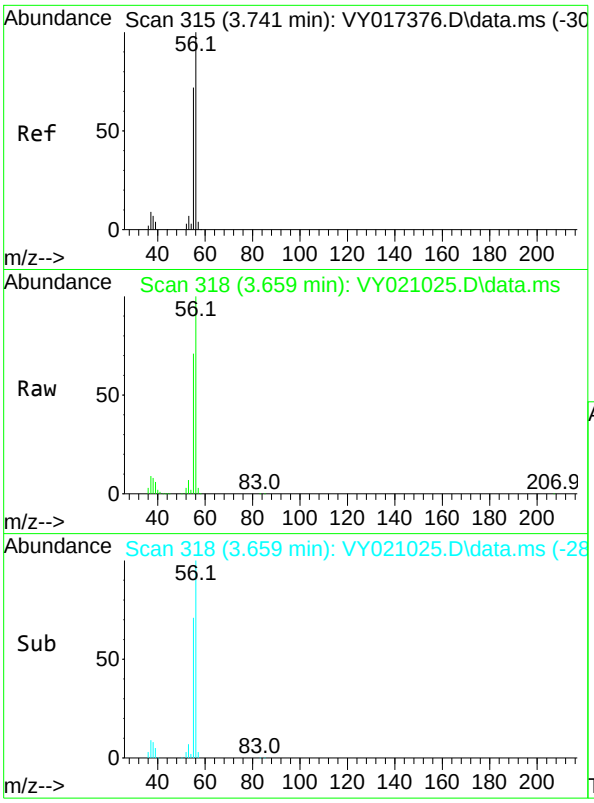




#12
1,1-Dichloroethene
Concen: 139.249 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 96 Resp: 283433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.5 | 124.2 | 186.2 |
| 98 | 64.4 | 52.6 | 79.0 |



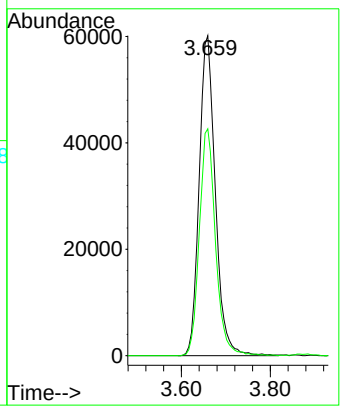


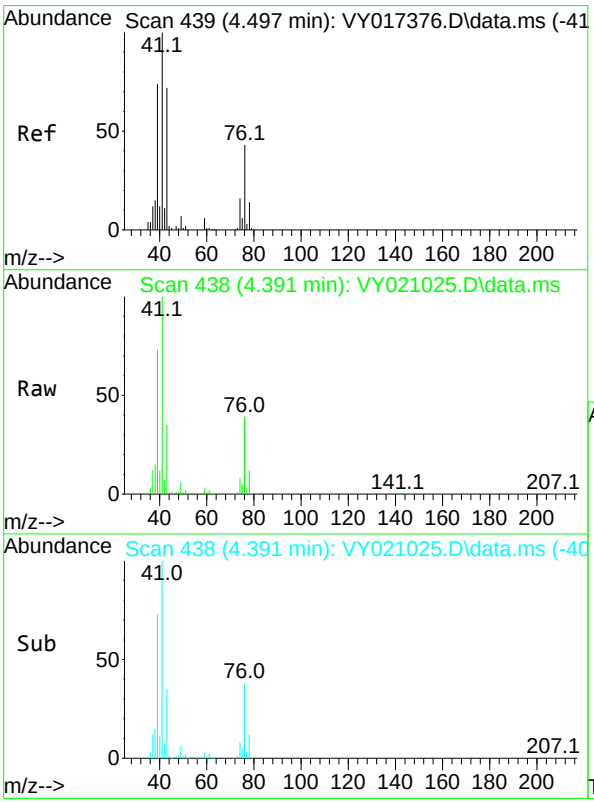

#13
Acrolein
Concen: 699.170 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 152214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.1 | 55.4 | 83.0 |

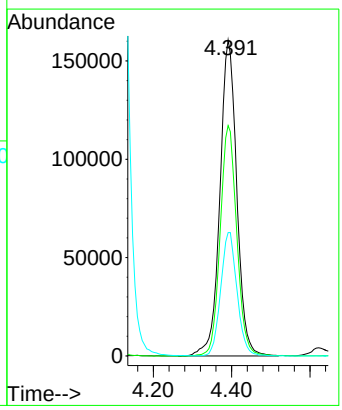


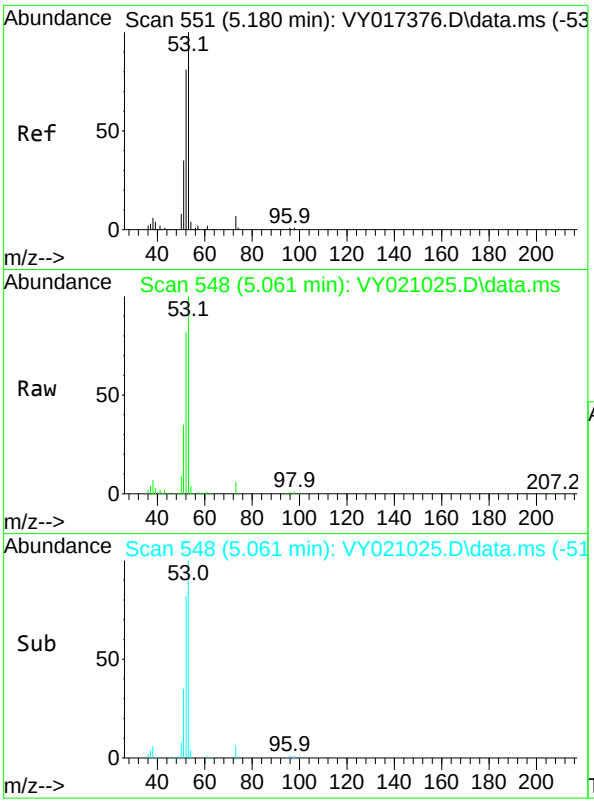




#14
Allyl chloride
Concen: 160.132 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.106 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 481954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.7 | 54.7 | 82.1 |
| 76 | 37.7 | 31.8 | 47.6 |



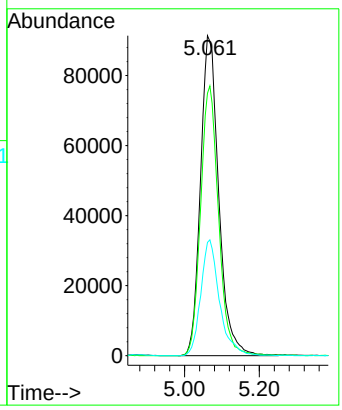


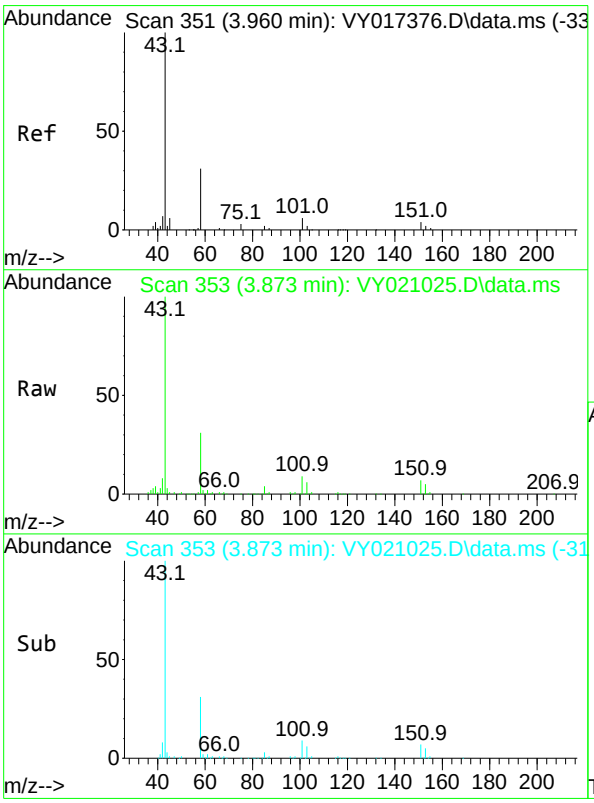

#15
Acrylonitrile
Concen: 679.868 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.118 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 53 Resp: 309767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 65.1 | 97.7 |
| 51 | 37.1 | 29.0 | 43.4 |

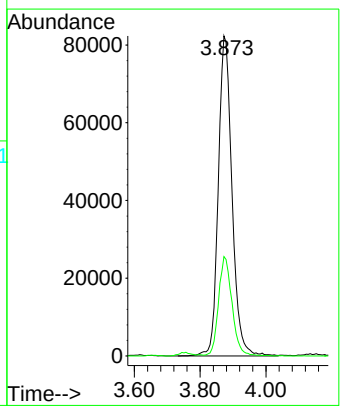


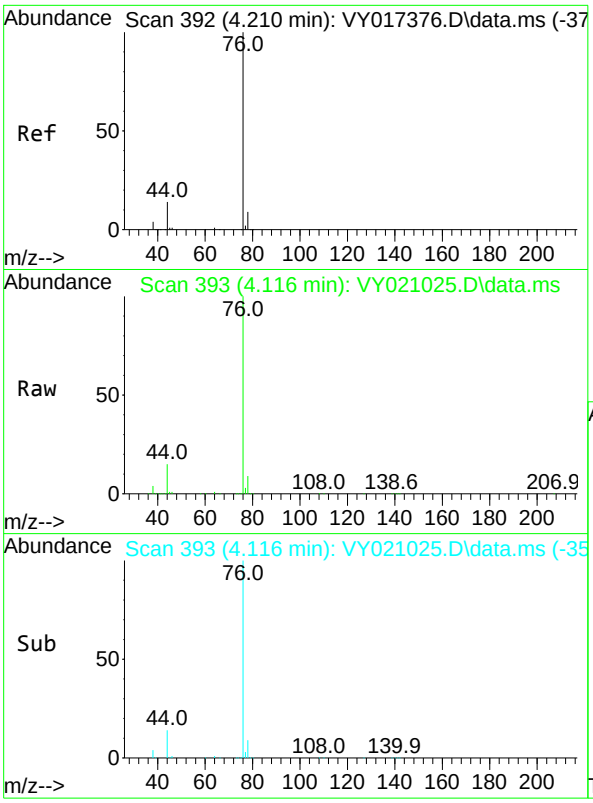




#16
Acetone
Concen: 568.499 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.087 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 237711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.0 | 26.6 | 39.8 |



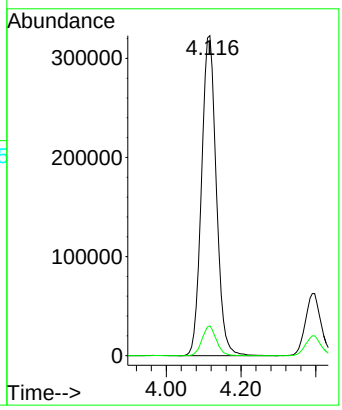


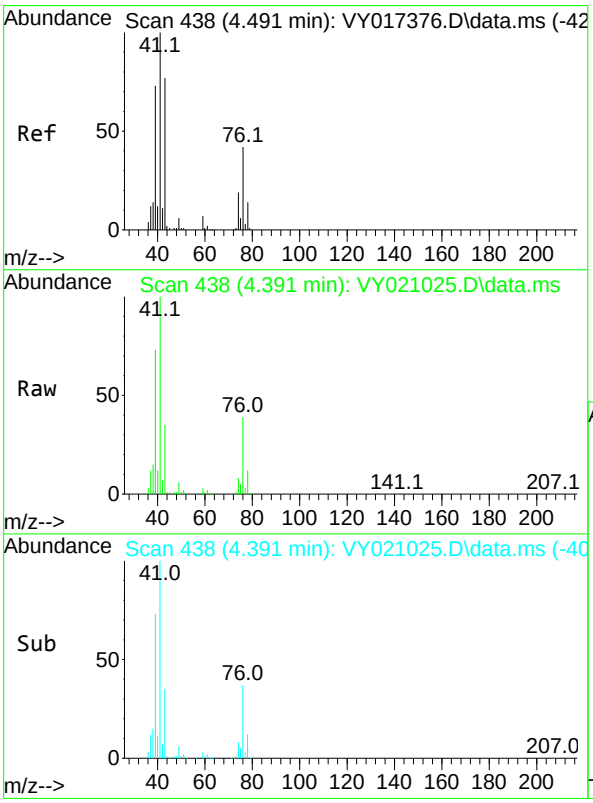

#17
Carbon Disulfide
Concen: 136.501 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 886308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.4 | 11.0 |

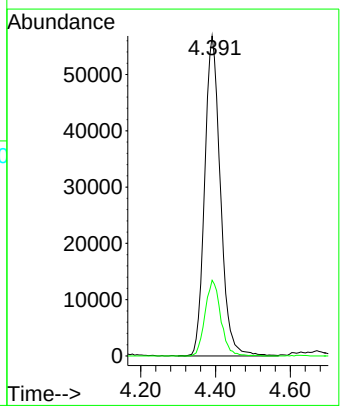


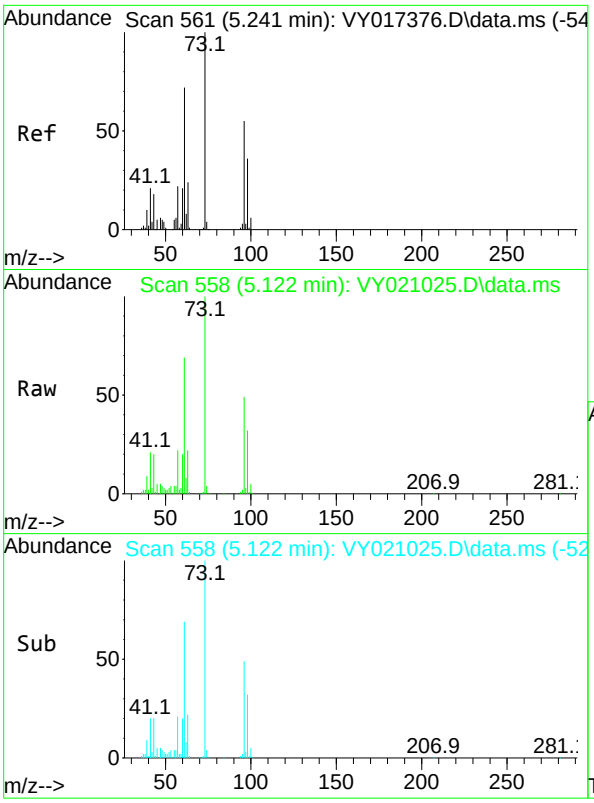




#18
Methyl Acetate
Concen: 85.794 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 166019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 19.8 | 29.6 |



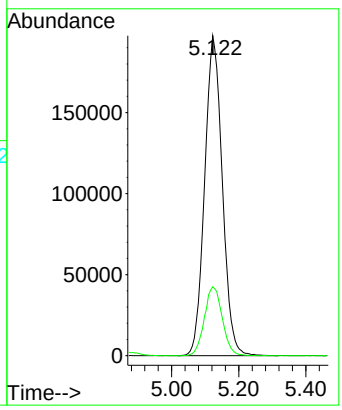


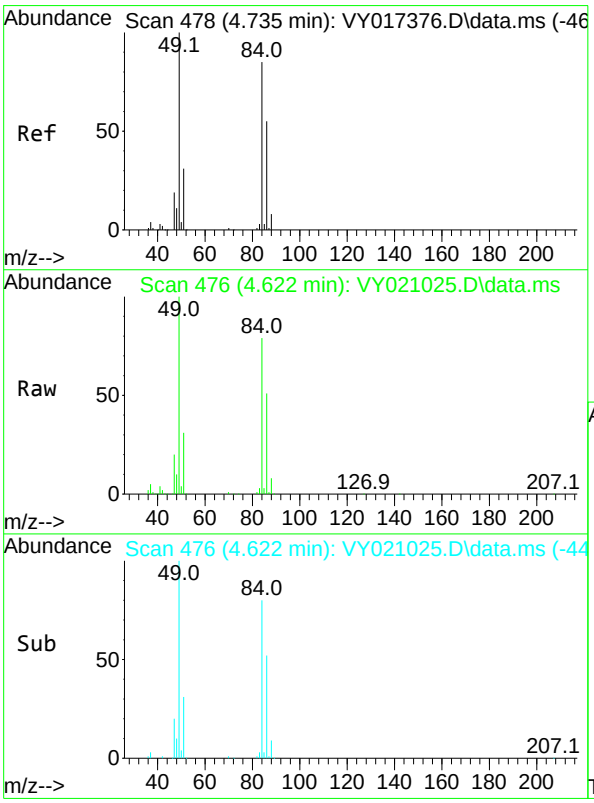

#19
Methyl tert-butyl Ether
Concen: 159.242 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.119 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 73 Resp: 720513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 17.7 | 26.5 |

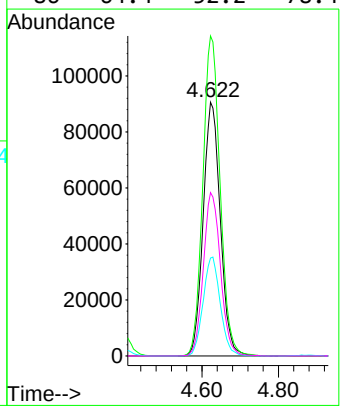


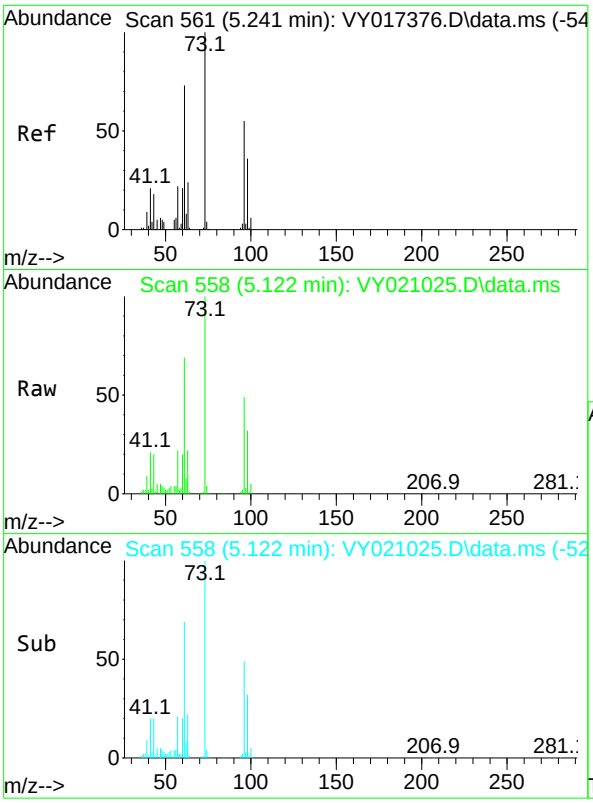




#20
Methylene Chloride
Concen: 138.679 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.113 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 84 Resp: 281630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.1 | 95.2 | 142.8 |
| 51 | 38.6 | 29.9 | 44.9 |
| 86 | 64.4 | 52.2 | 78.4 |



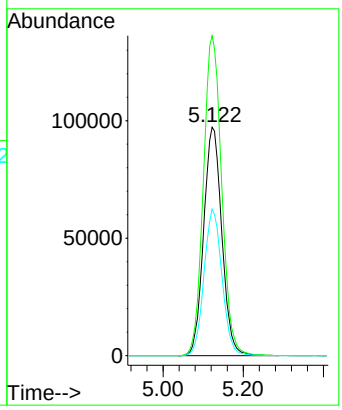


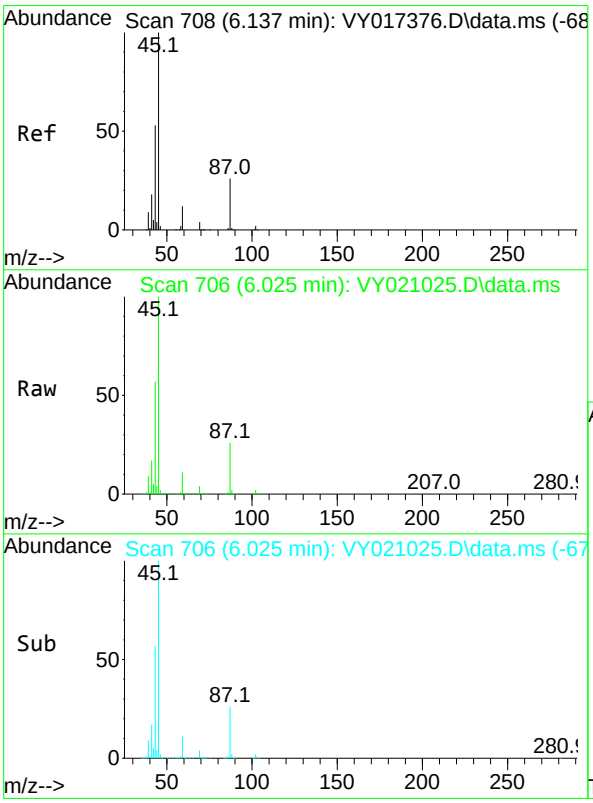

#21
trans-1,2-Dichloroethene
Concen: 131.661 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.118 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 306161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.1 | 104.6 | 156.8 |
| 98 | 64.1 | 50.9 | 76.3 |

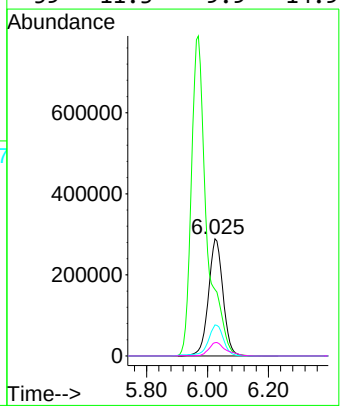


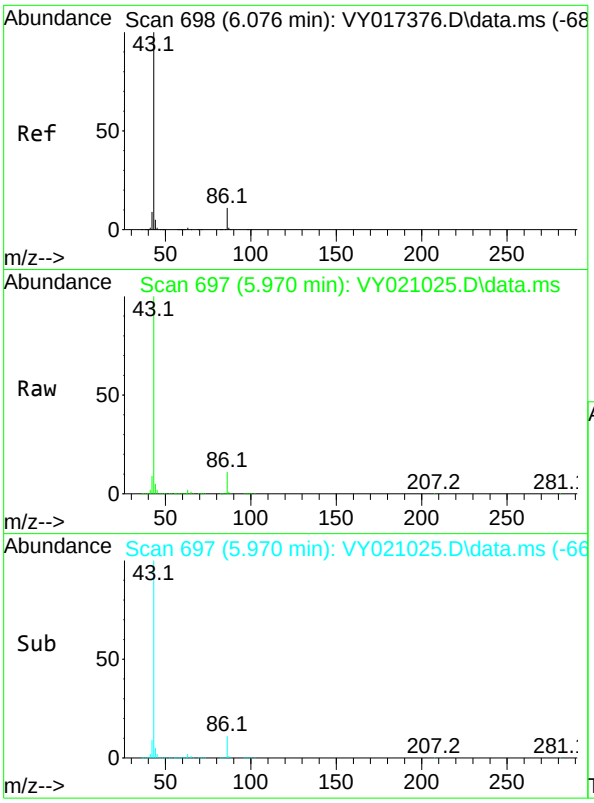




#22
Diisopropyl ether
Concen: 148.098 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.112 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 45 Resp: 955213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.6 | 46.8 | 70.2 |
| 87 | 26.5 | 22.2 | 33.2 |
| 59 | 11.3 | 9.9 | 14.9 |



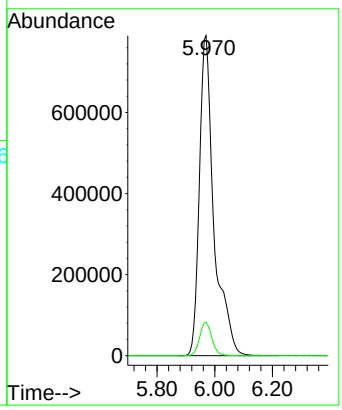


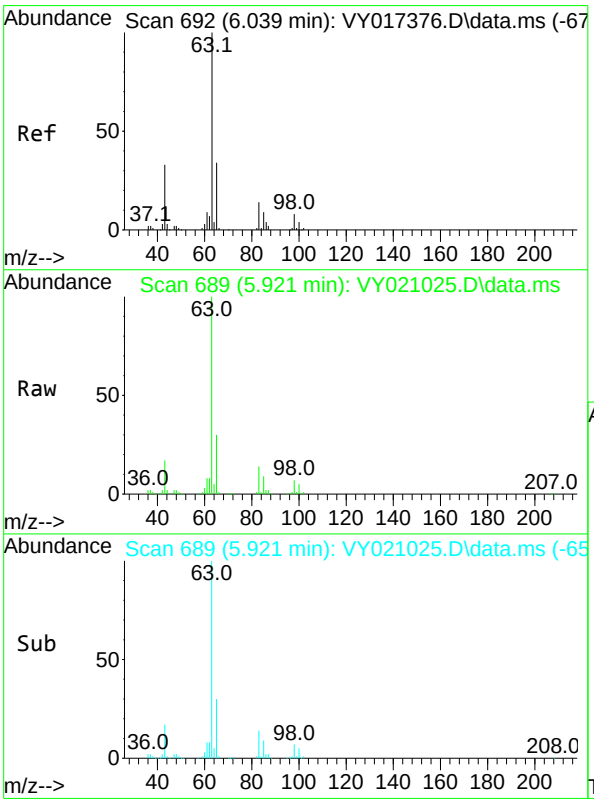

#23
Vinyl Acetate
Concen: 1071.606 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.106 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 2761423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.6 | 13.0 |

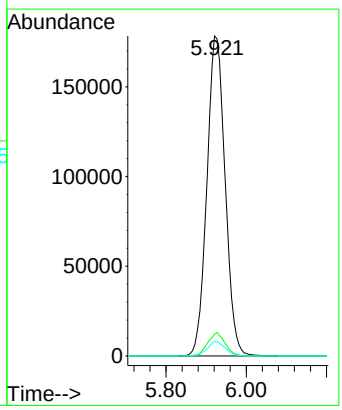


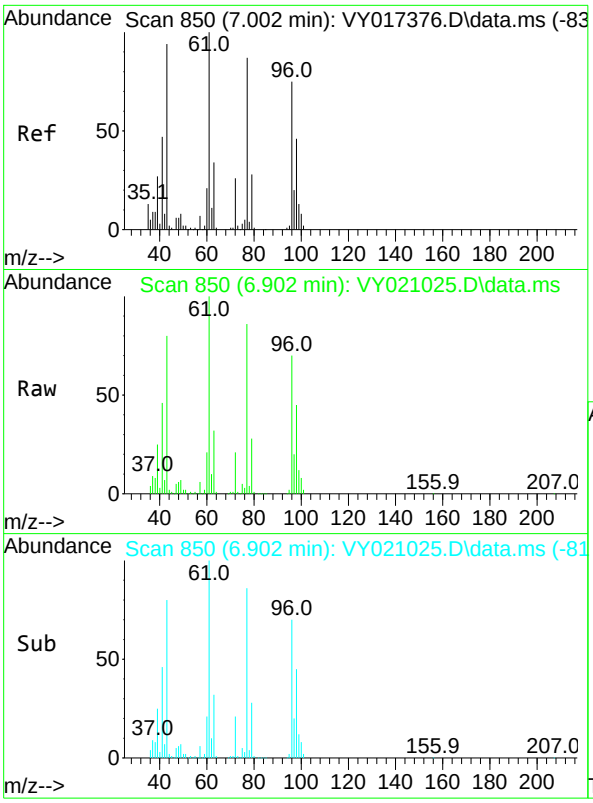




#24
1,1-Dichloroethane
Concen: 139.932 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.118 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 563116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 3.8 | 11.4 |
| 100 | 4.5 | 2.1 | 6.2 |



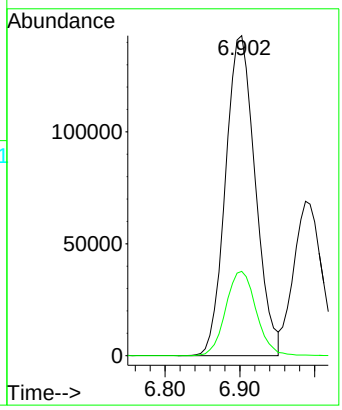


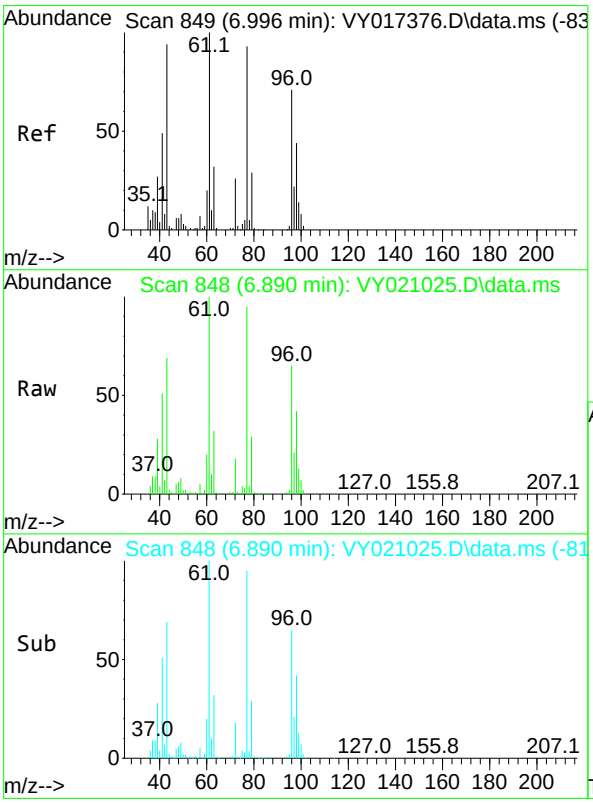

#25
2-Butanone
Concen: 600.838 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 395886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.4 | 21.4 | 32.2 |

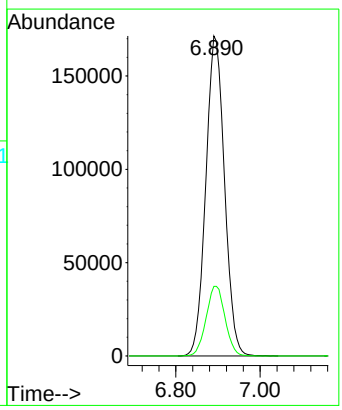


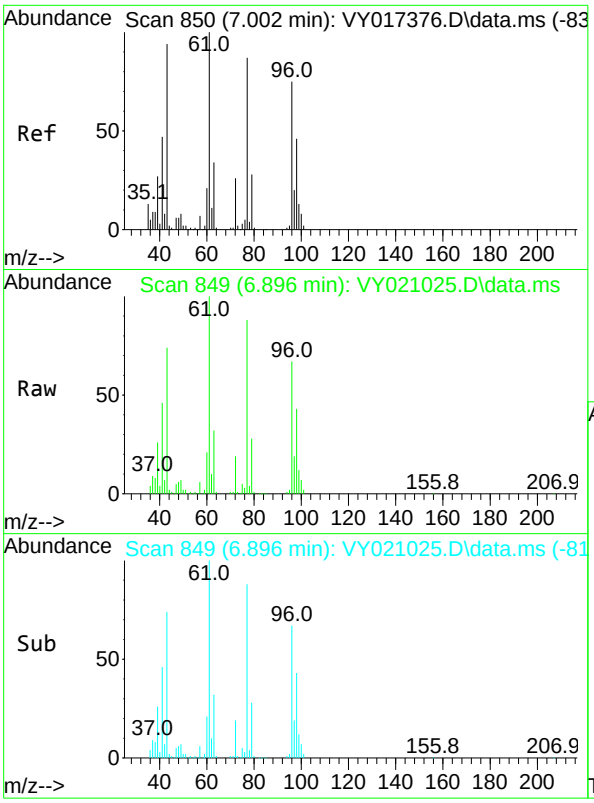




#26
2,2-Dichloropropane
Concen: 153.044 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.106 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 77 Resp: 527500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 11.7 | 35.0 |



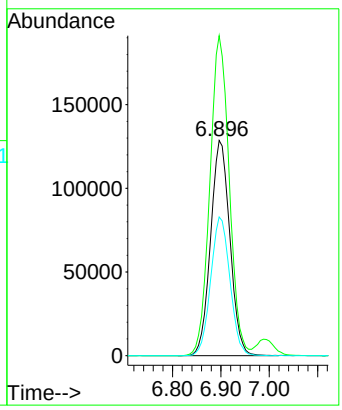


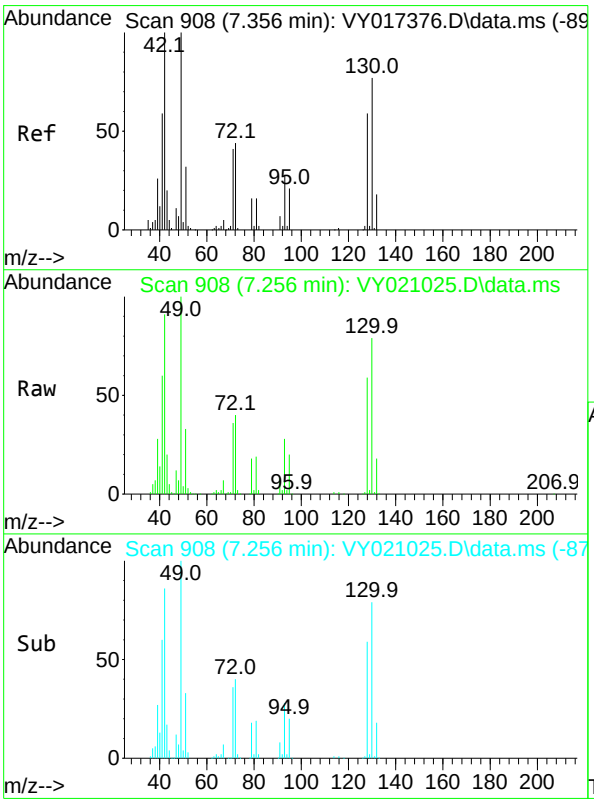

#27
cis-1,2-Dichloroethene
Concen: 142.393 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.106 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 356495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.4 | 0.0 | 278.8 |
| 98 | 64.4 | 0.0 | 127.0 |

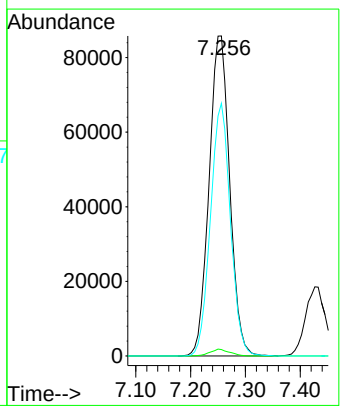


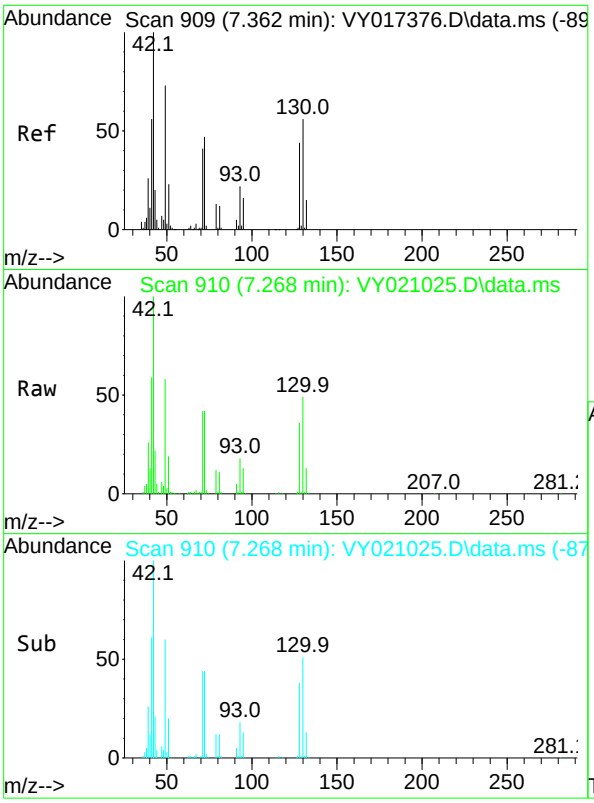




#28
Bromochloromethane
Concen: 154.819 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 49 Resp: 224174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 3.8 |
| 130 | 76.4 | 59.8 | 89.8 |



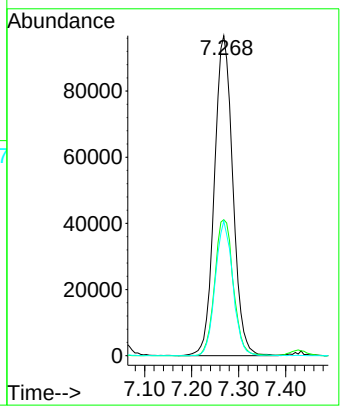


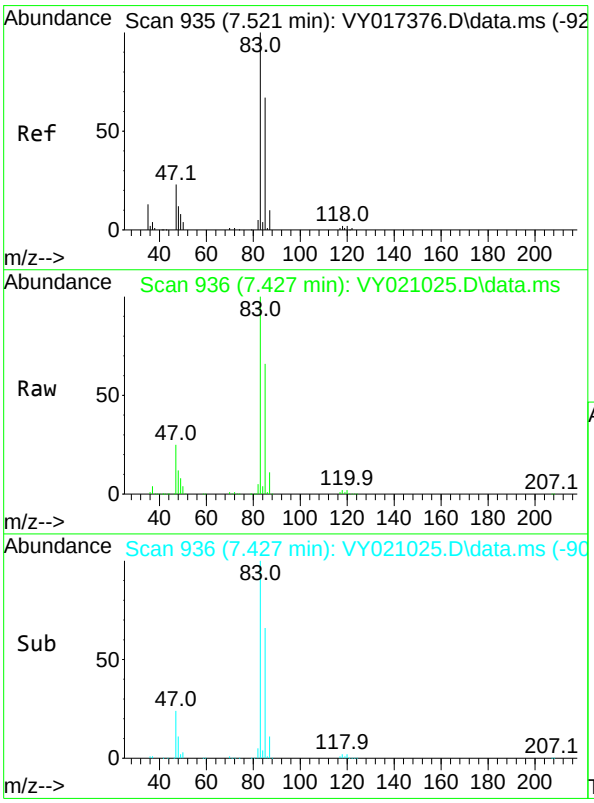

#29
Tetrahydrofuran
Concen: 722.351 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 42 Resp: 263943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.9 | 36.6 | 54.8 |
| 71 | 39.9 | 33.8 | 50.6 |

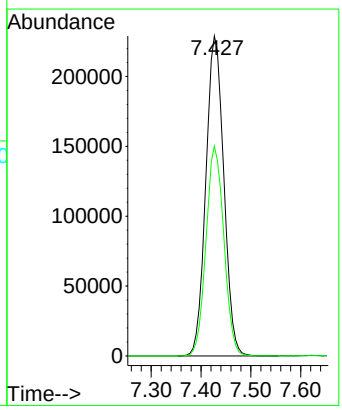


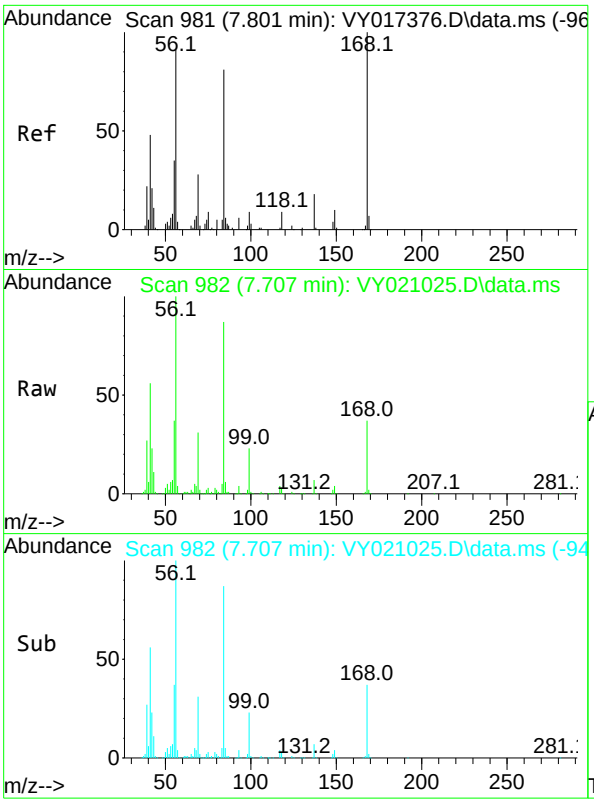




#30
Chloroform
Concen: 142.767 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 83 Resp: 572890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 51.2 | 76.8 |



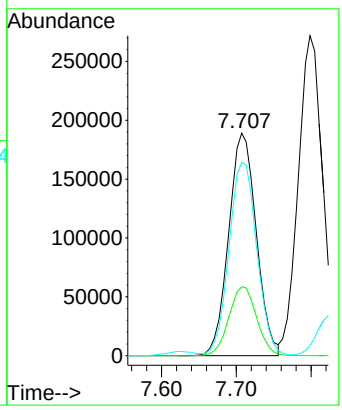


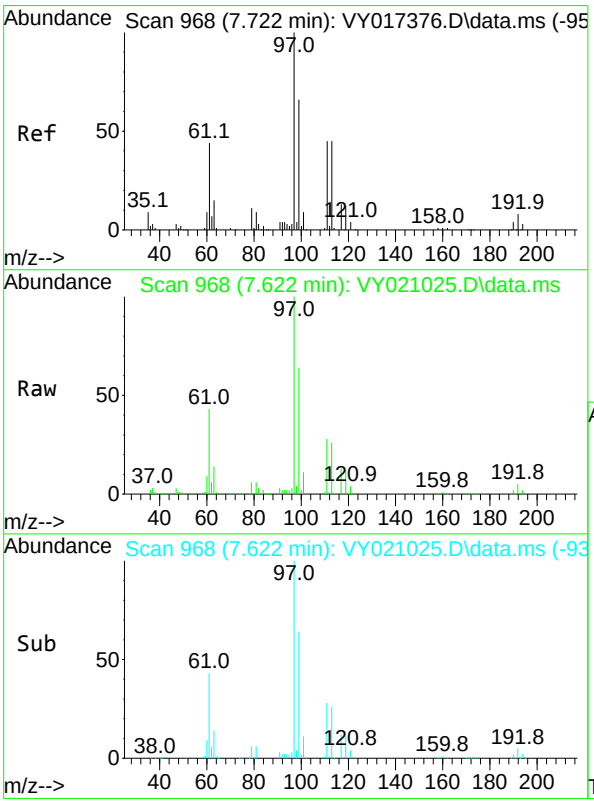

#31
Cyclohexane
Concen: 126.502 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 485167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 27.0 | 40.6 |
| 84 | 84.9 | 71.8 | 107.6 |

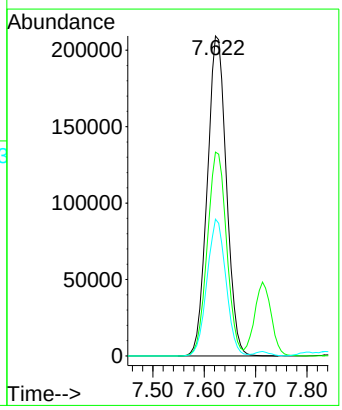


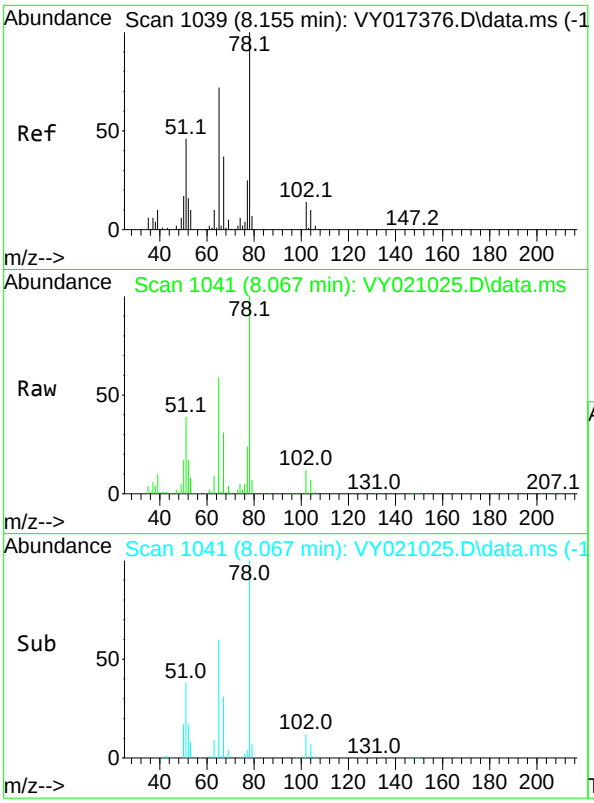




#32
1,1,1-Trichloroethane
Concen: 151.815 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 97 Resp: 540513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 51.2 | 76.8 |
| 61 | 42.5 | 35.0 | 52.6 |



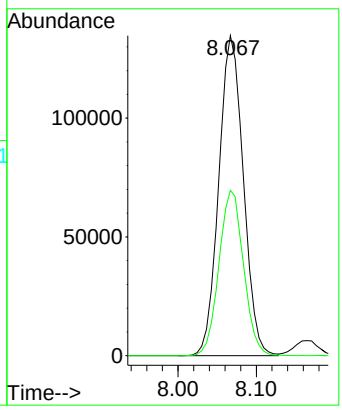


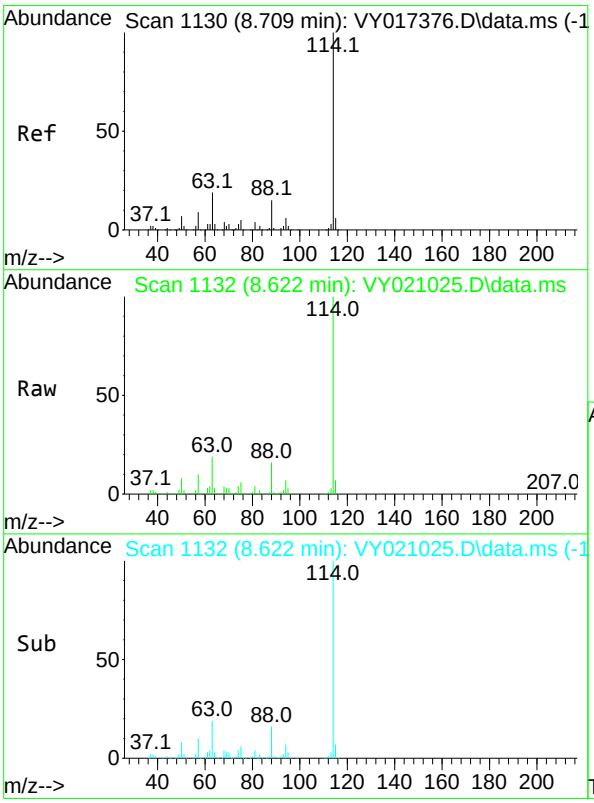

#33
1,2-Dichloroethane-d4
Concen: 145.767 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 65 Resp: 293662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 109.0 |

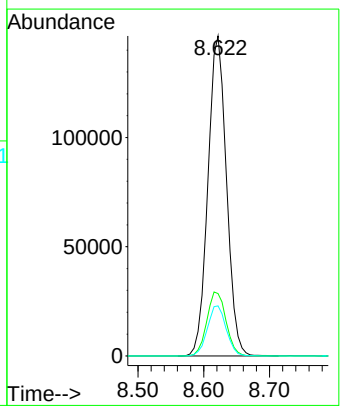


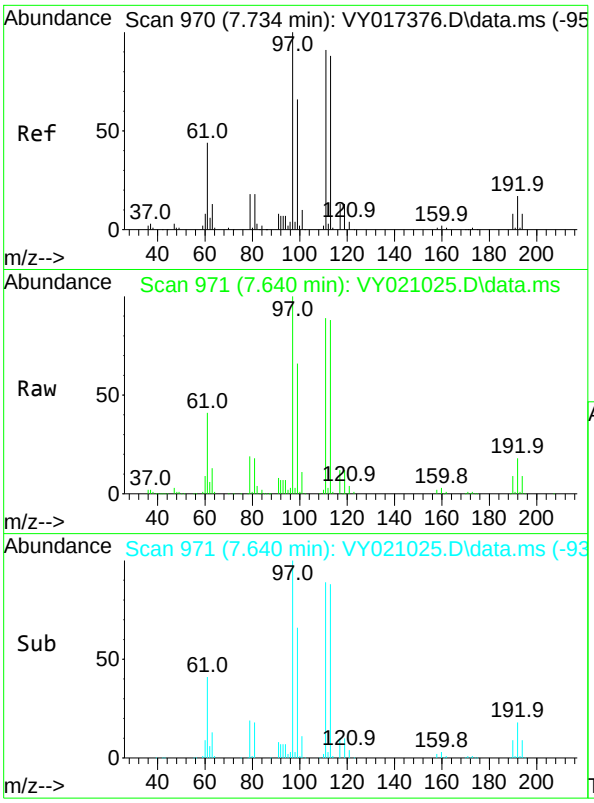




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:114 Resp: 287697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.5 | 0.0 | 37.4 |
| 88 | 15.7 | 0.0 | 29.0 |



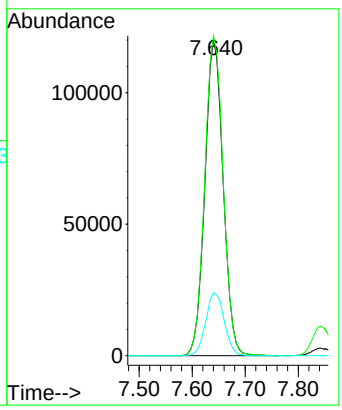


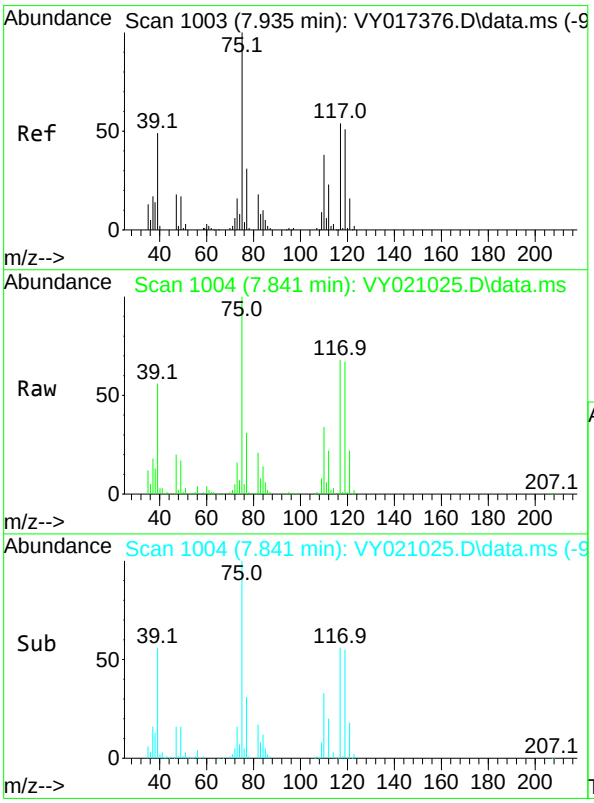

#35
Dibromofluoromethane
Concen: 156.902 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:113 Resp: 287798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 83.8 | 125.6 |
| 192 | 20.1 | 14.5 | 21.7 |

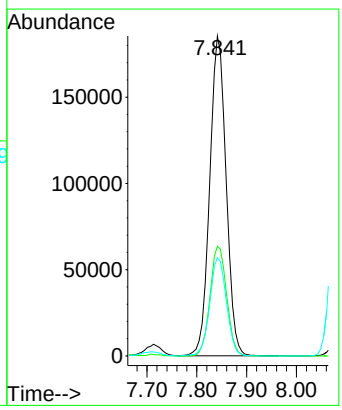


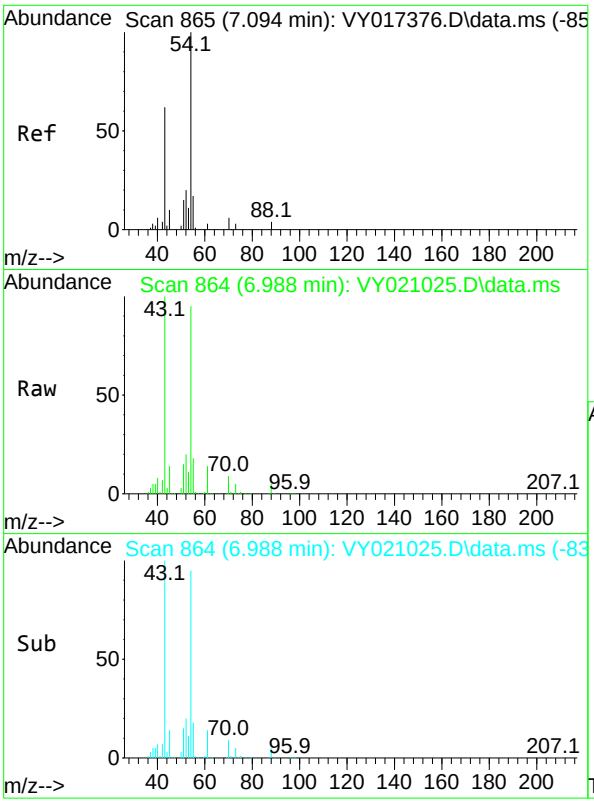




#36
1,1-Dichloropropene
Concen: 141.085 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 423720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.7 | 17.4 | 52.3 |
| 77 | 31.4 | 24.7 | 37.1 |



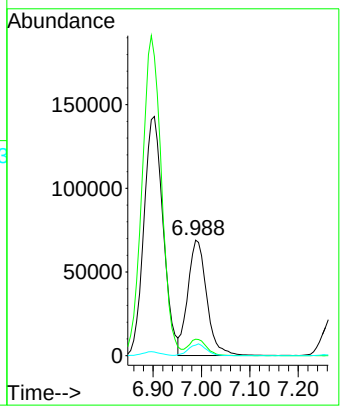


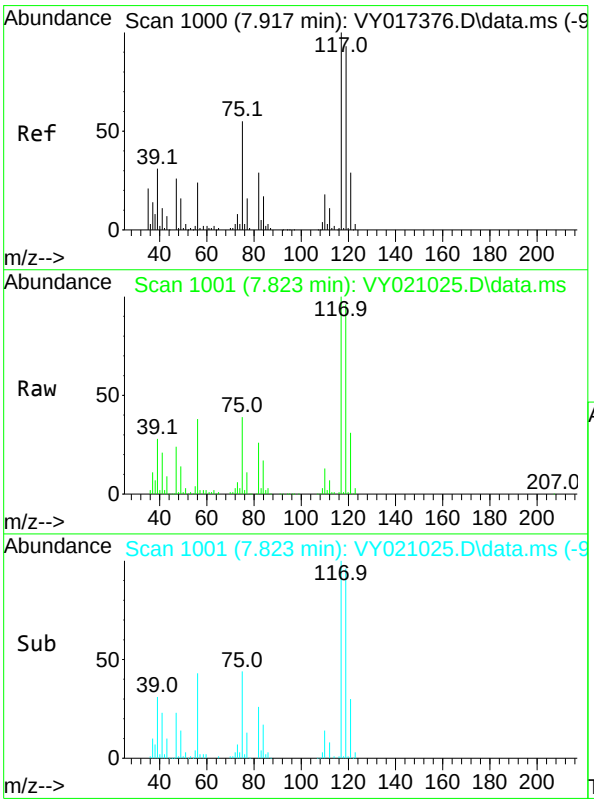

#37
Ethyl Acetate
Concen: 152.878 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.106 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 186661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 11.0 | 16.6 |
| 70 | 9.6 | 8.1 | 12.1 |

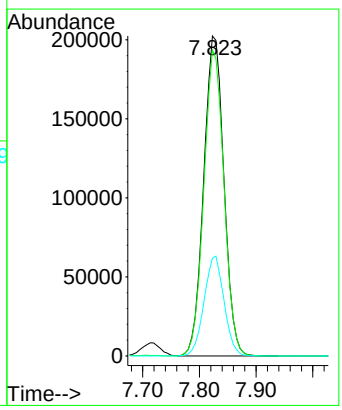


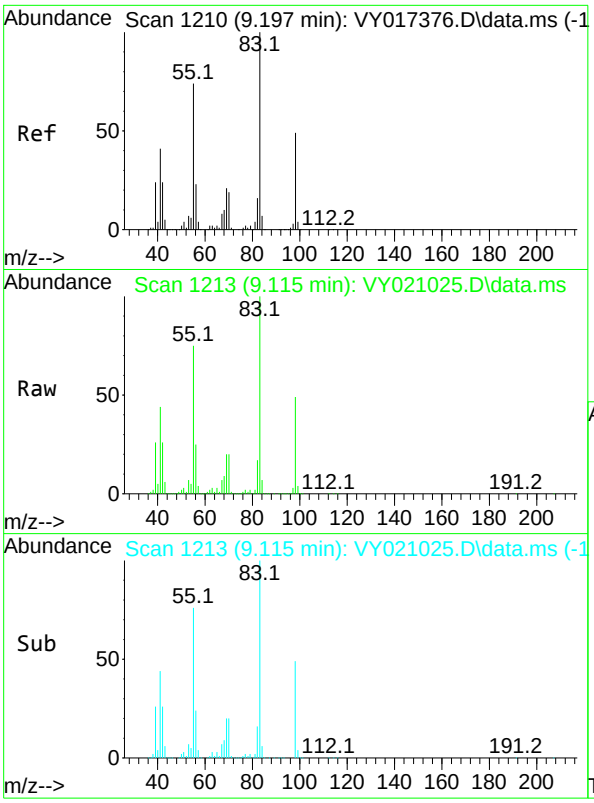




#38
Carbon Tetrachloride
Concen: 173.920 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 501205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 76.0 | 114.0 |
| 121 | 30.6 | 24.2 | 36.2 |



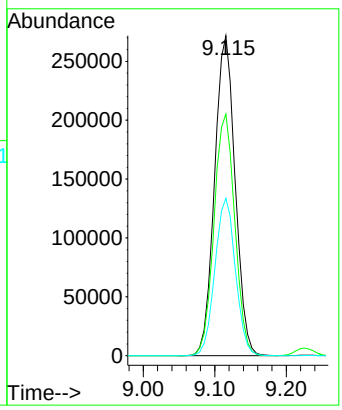


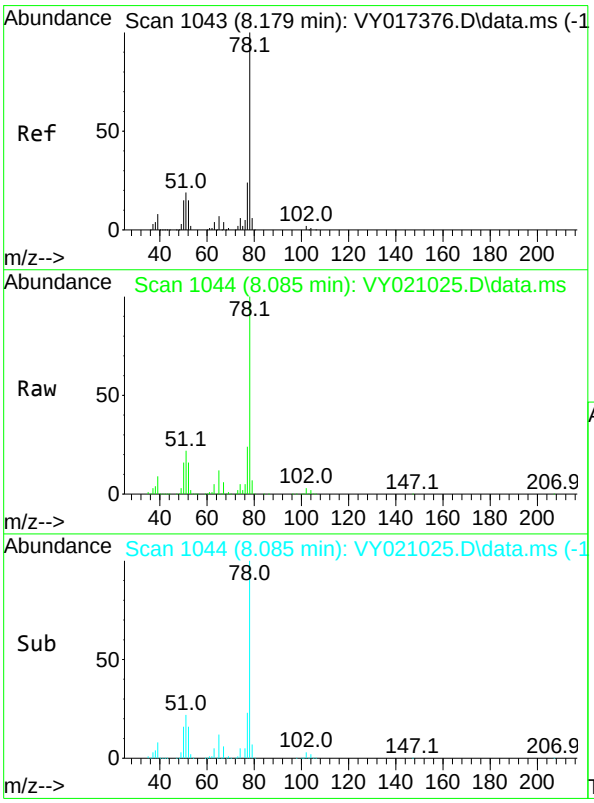

#39
Methylcyclohexane
Concen: 150.976 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 542900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.5 | 59.7 | 89.5 |
| 98 | 49.2 | 38.0 | 57.0 |

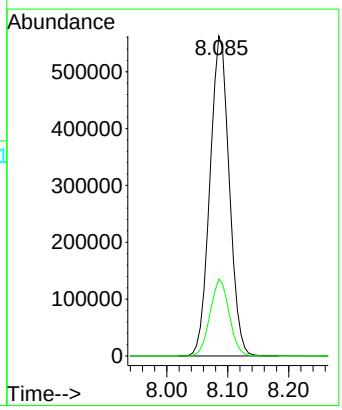


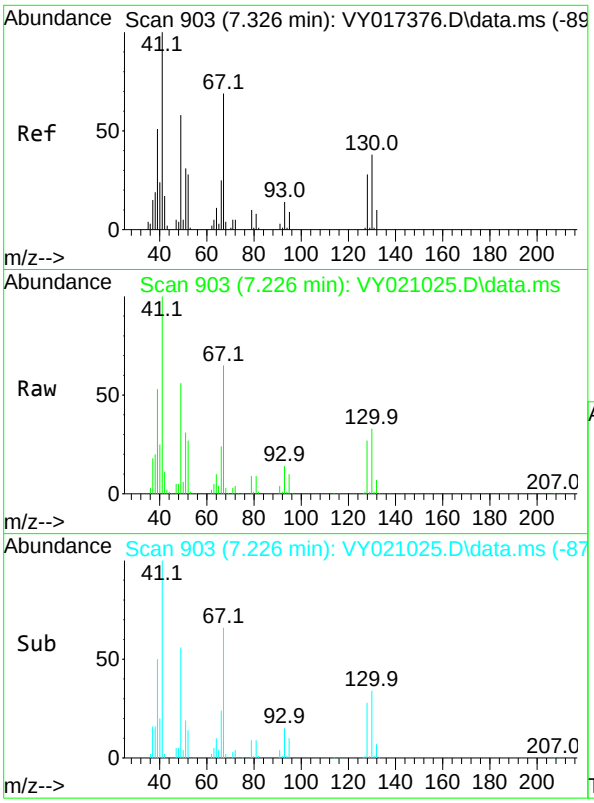




#40
Benzene
Concen: 147.276 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 78 Resp: 1239229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 18.8 | 28.2 |



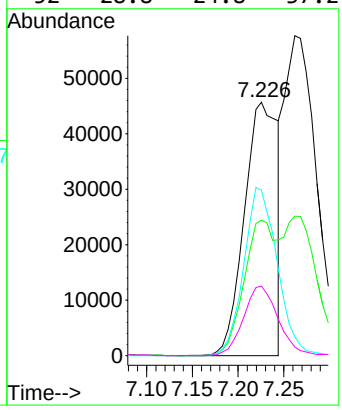


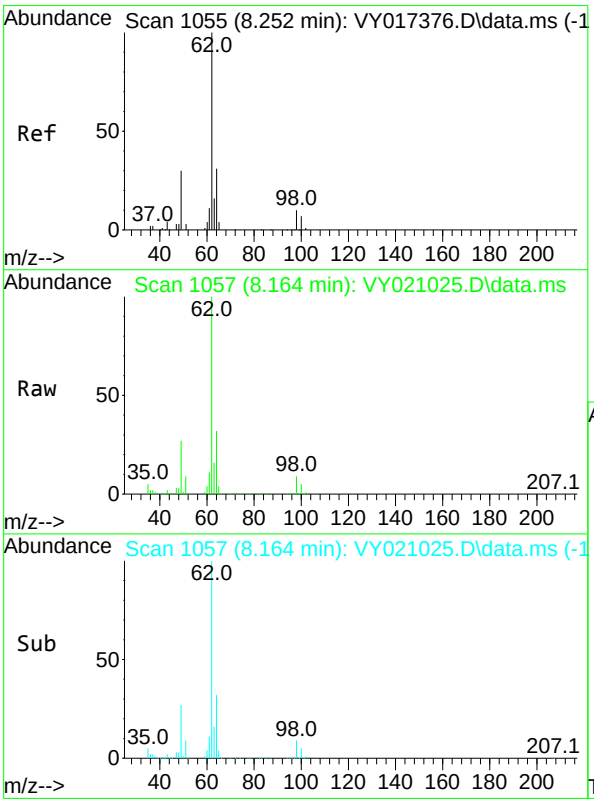

#41
Methacrylonitrile
Concen: 185.172 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 41 Resp: 115234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.7 | 41.9 | 62.9 |
| 67 | 67.4 | 59.8 | 89.6 |
| 52 | 28.8 | 24.8 | 37.2 |

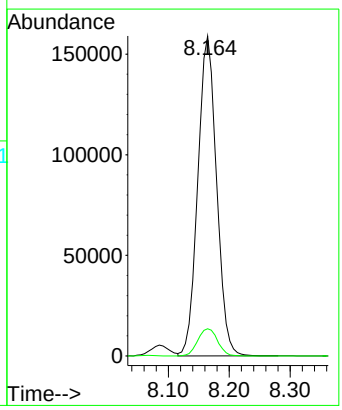


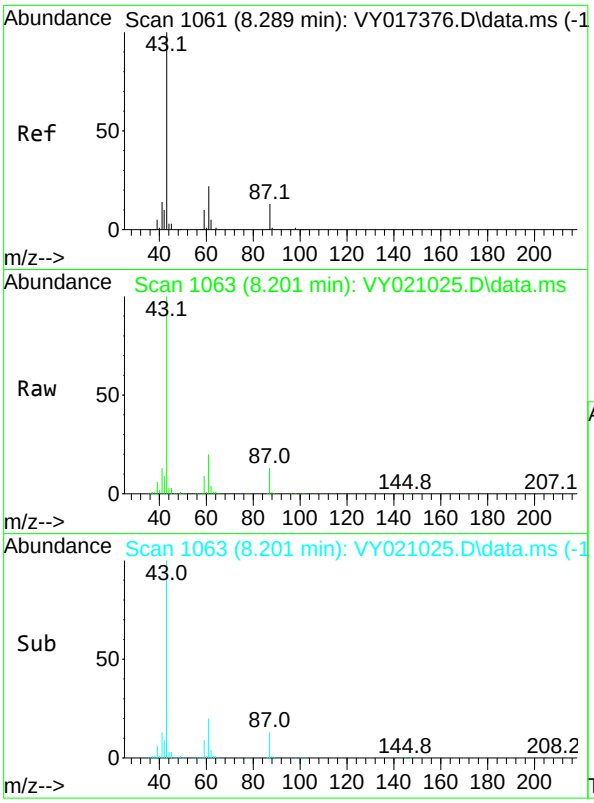




#42
1,2-Dichloroethane
Concen: 159.023 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 62 Resp: 340547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 20.2 |



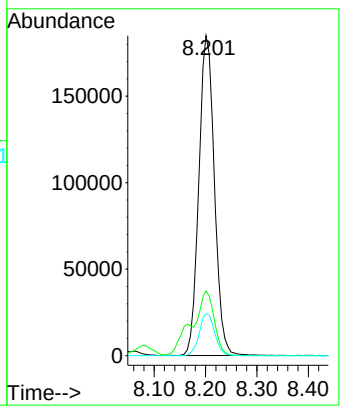


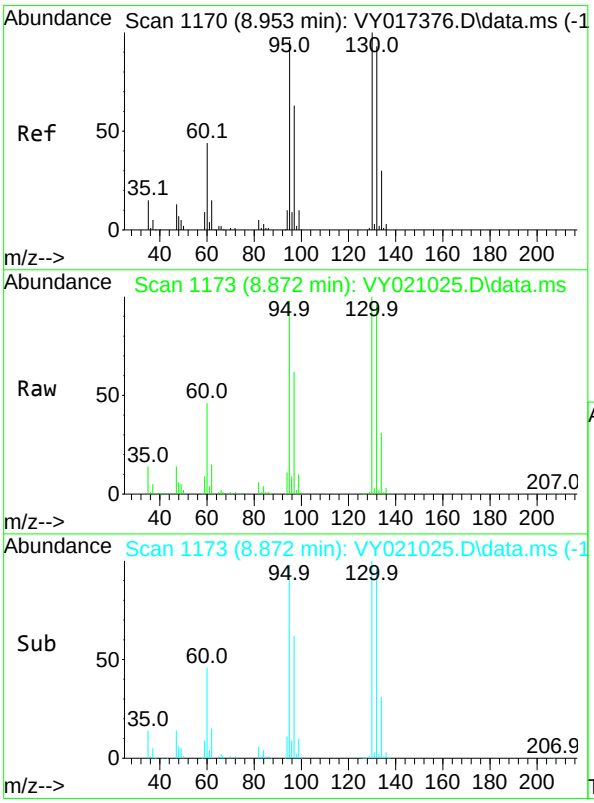

#43
Isopropyl Acetate
Concen: 177.842 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 388966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.0 | 24.8 | 37.2# |
| 87 | 13.1 | 10.7 | 16.1 |

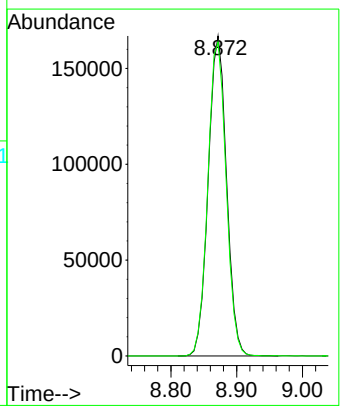


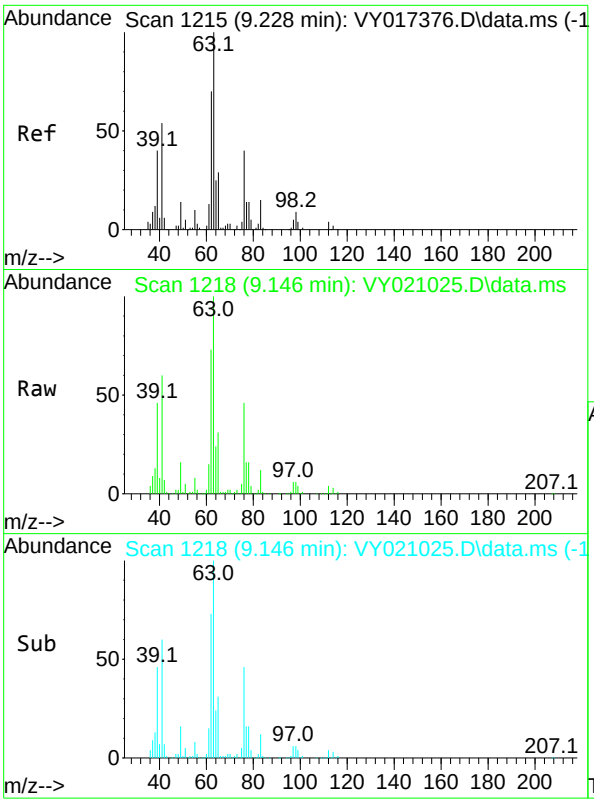




#44
Trichloroethene
Concen: 148.882 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:130 Resp: 323716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.0 | 0.0 | 203.8 |



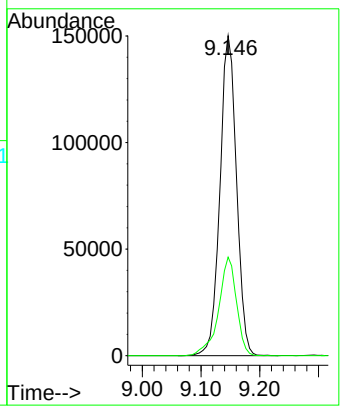


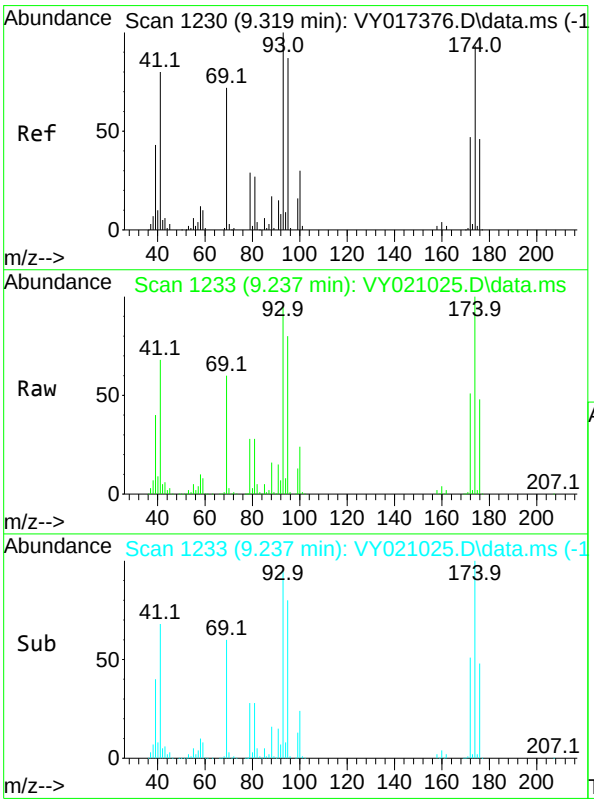

#45
1,2-Dichloropropane
Concen: 145.255 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 63 Resp: 294150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.6 | 36.8 |

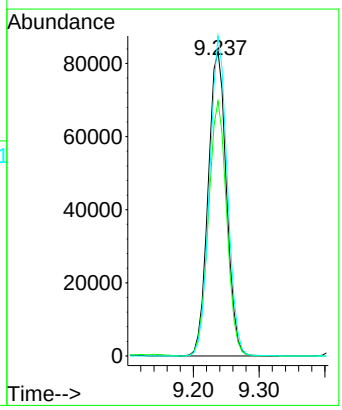


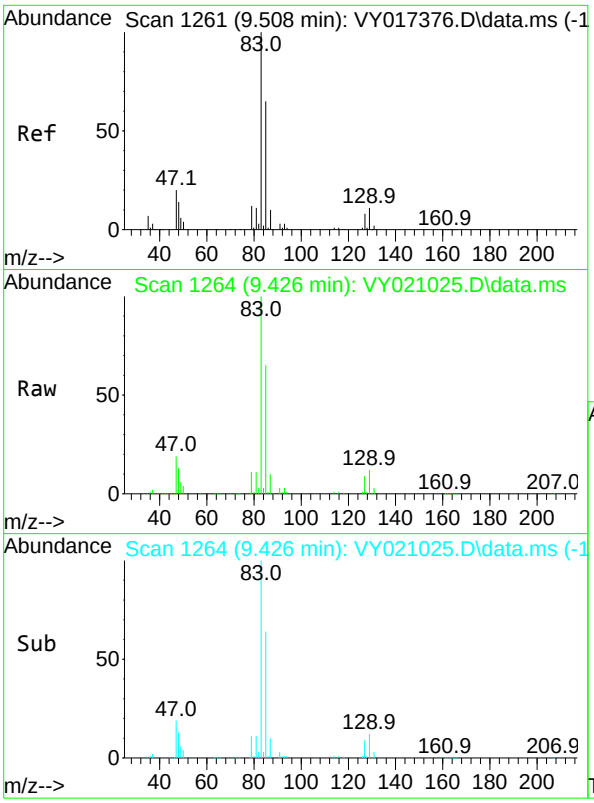




#46
Dibromomethane
Concen: 153.538 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 93 Resp: 161341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.9 | 66.6 | 99.8 |
| 174 | 101.4 | 73.8 | 110.6 |



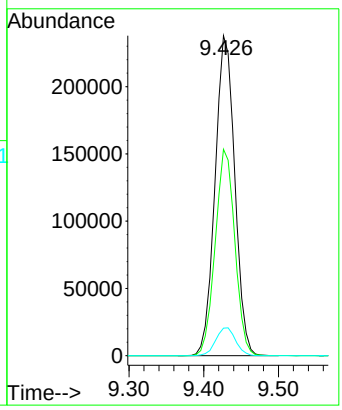


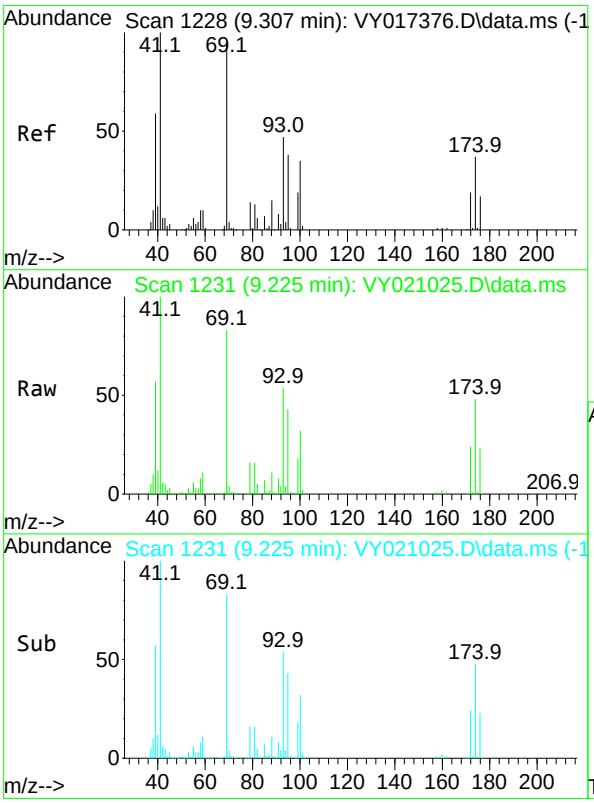

#47
Bromodichloromethane
Concen: 161.734 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 437119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 53.2 | 79.8 |
| 127 | 8.6 | 6.4 | 9.6 |

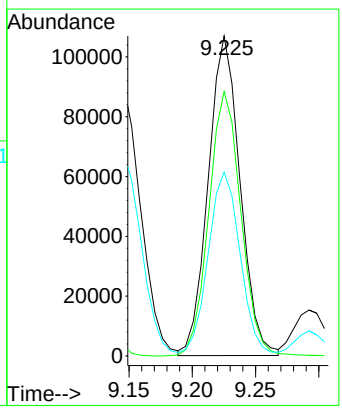


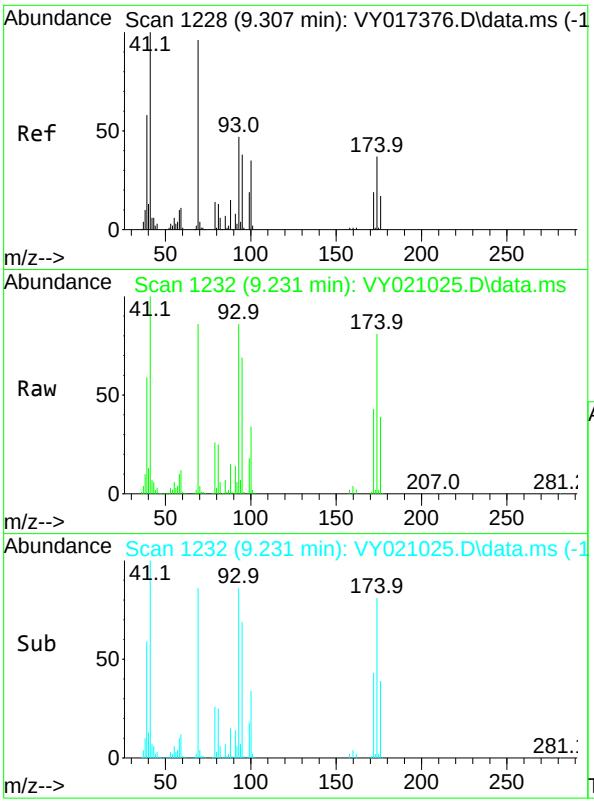




#48
Methyl methacrylate
Concen: 162.199 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 41 Resp: 187040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.4 | 72.1 | 108.1 |
| 39 | 55.8 | 42.8 | 64.2 |



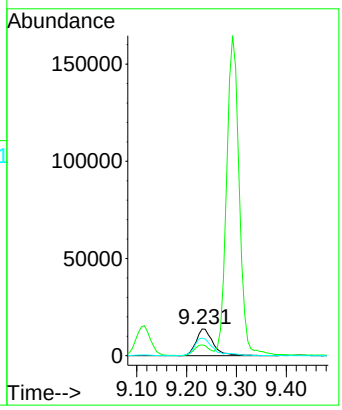


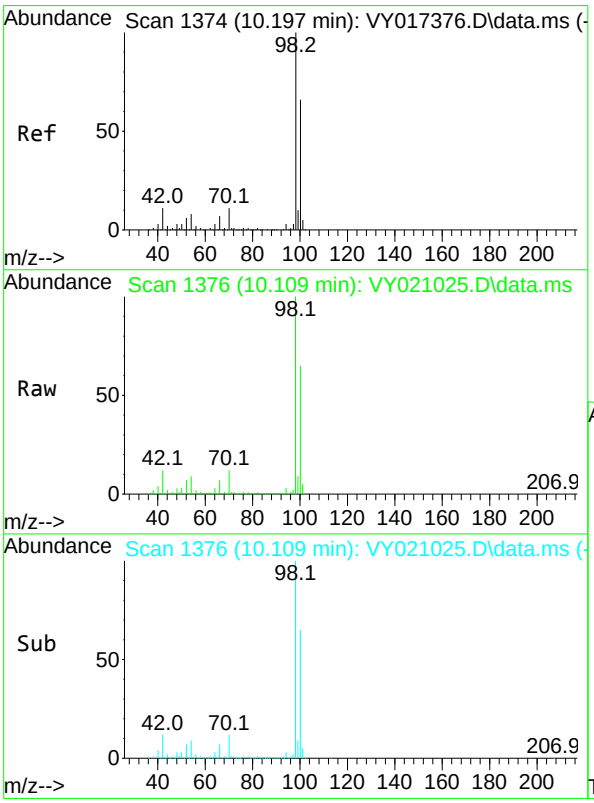

#49
1,4-Dioxane
Concen: 3020.404 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.076 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 88 Resp: 32704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.2 | 28.2 | 42.4 |
| 58 | 72.3 | 52.2 | 78.2 |

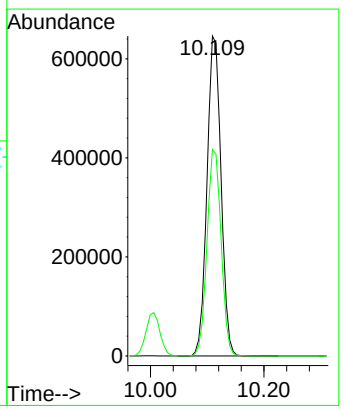


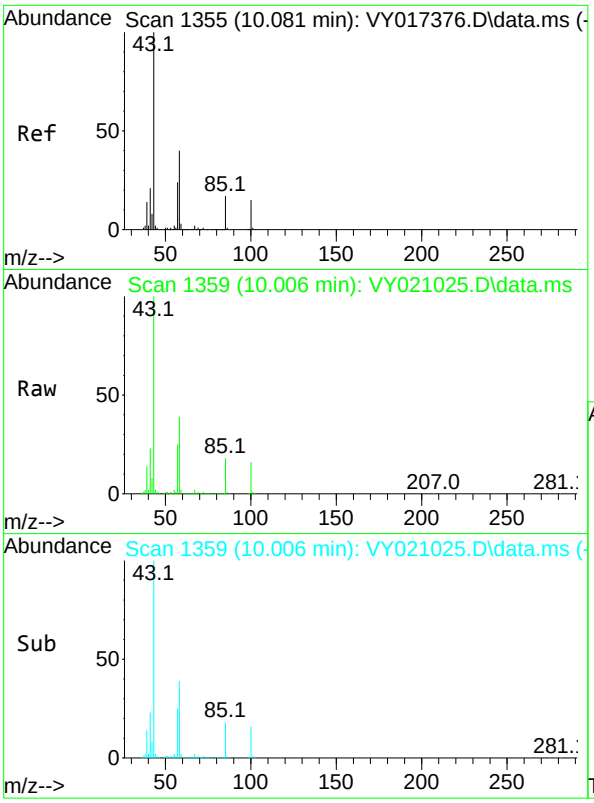




#50
Toluene-d8
Concen: 156.398 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 98 Resp: 1111573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 52.3 | 78.5 |



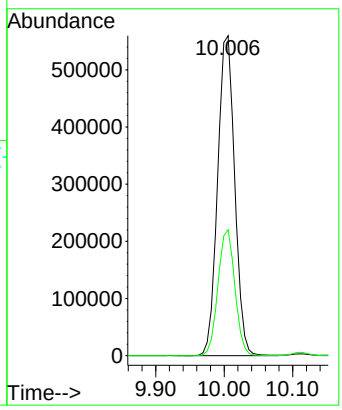


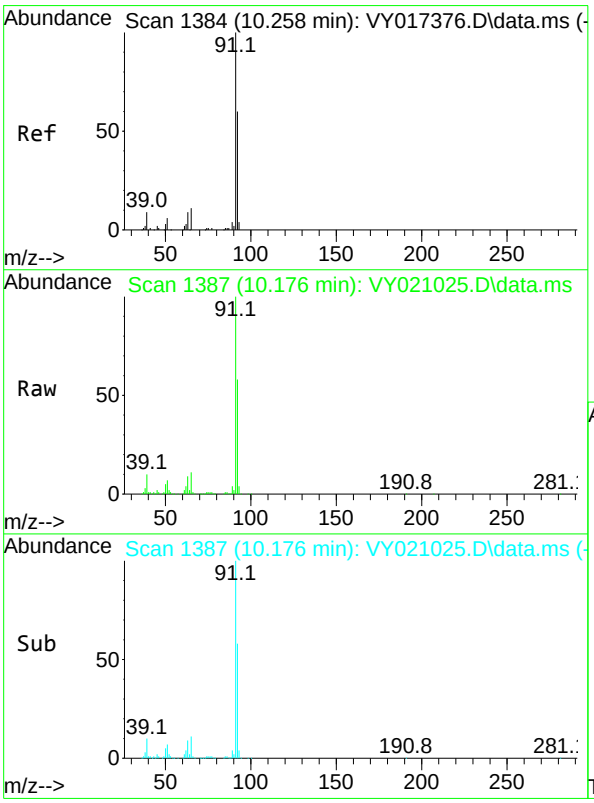

#51
4-Methyl-2-Pentanone
Concen: 812.473 ug/l
RT: 10.006 min Scan# 1
Delta R.T. -0.076 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 965506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.9 | 32.2 | 48.2 |

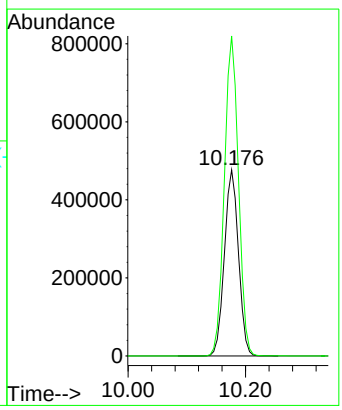


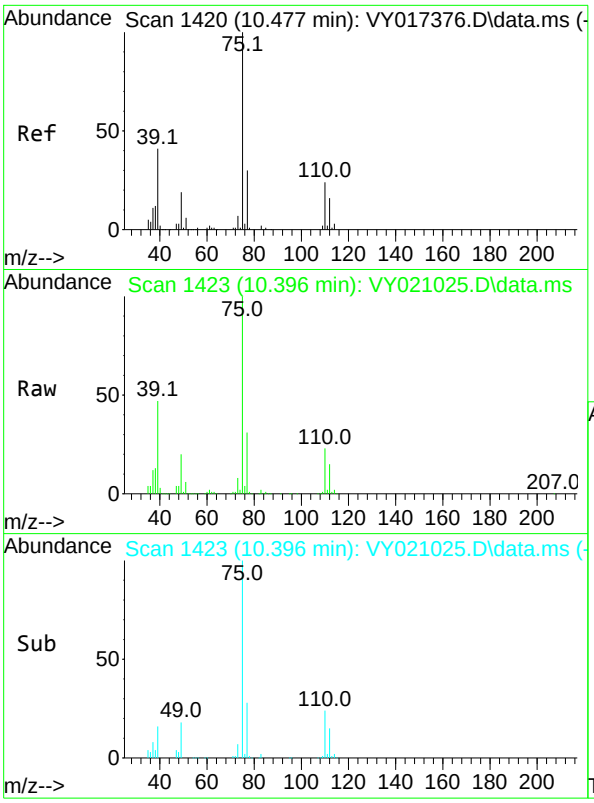




#52
Toluene
Concen: 154.914 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 92 Resp: 792134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.3 | 137.6 | 206.4 |



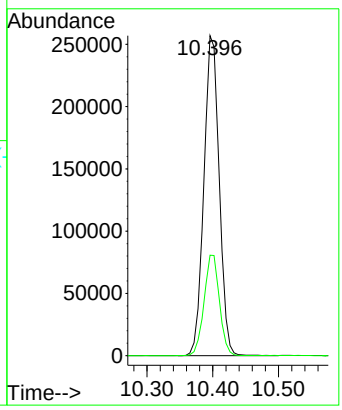


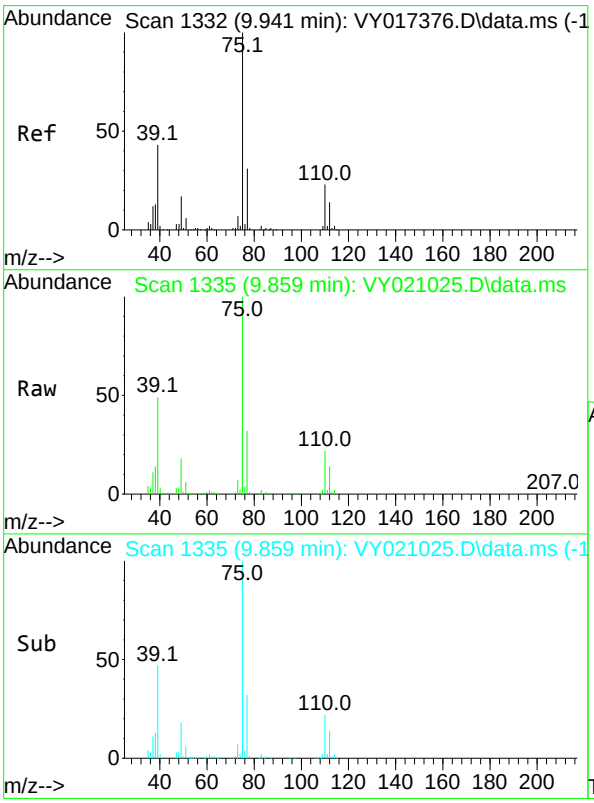

#53
t-1,3-Dichloropropene
Concen: 166.490 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 416872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 24.6 | 36.8 |

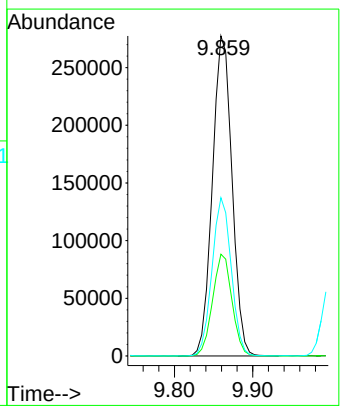


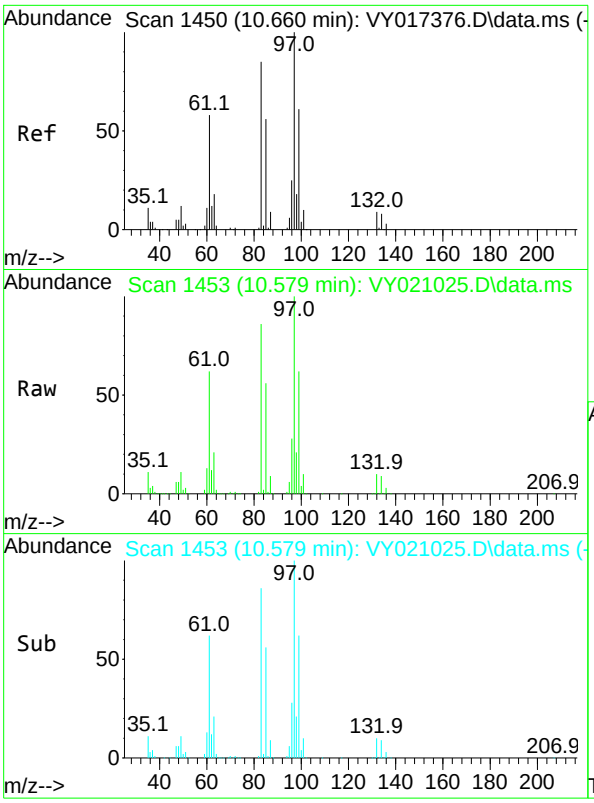




#54
cis-1,3-Dichloropropene
Concen: 157.719 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 483429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 24.6 | 36.8 |
| 39 | 49.4 | 33.6 | 50.4 |



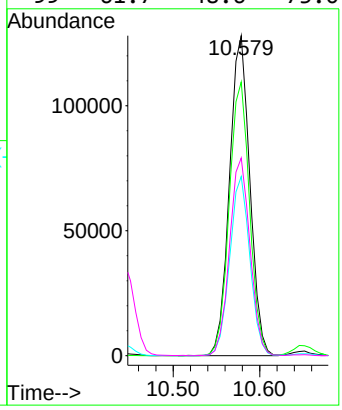


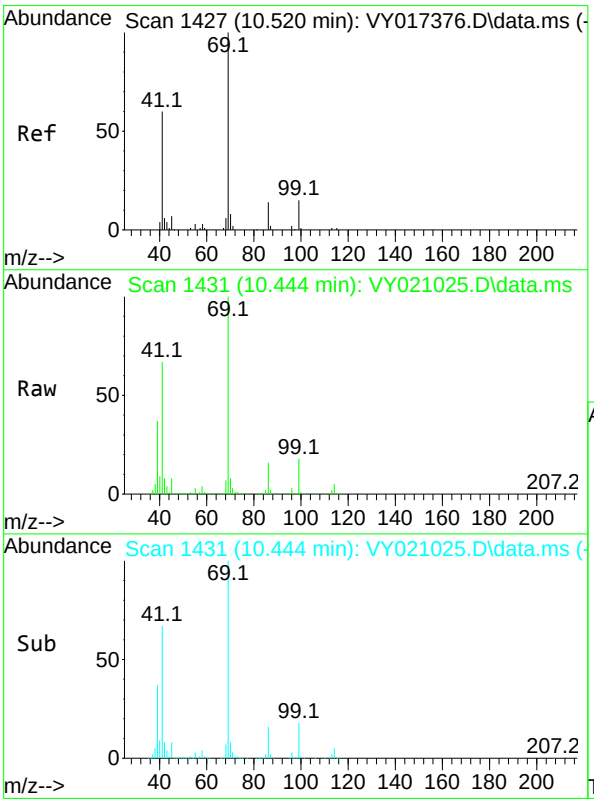

#55
1,1,2-Trichloroethane
Concen: 145.030 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 97 Resp: 209006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 69.4 | 104.2 |
| 85 | 56.0 | 43.9 | 65.9 |
| 99 | 61.7 | 48.6 | 73.0 |

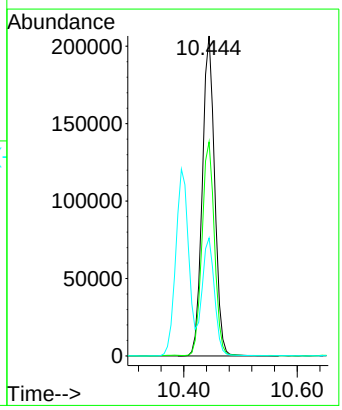


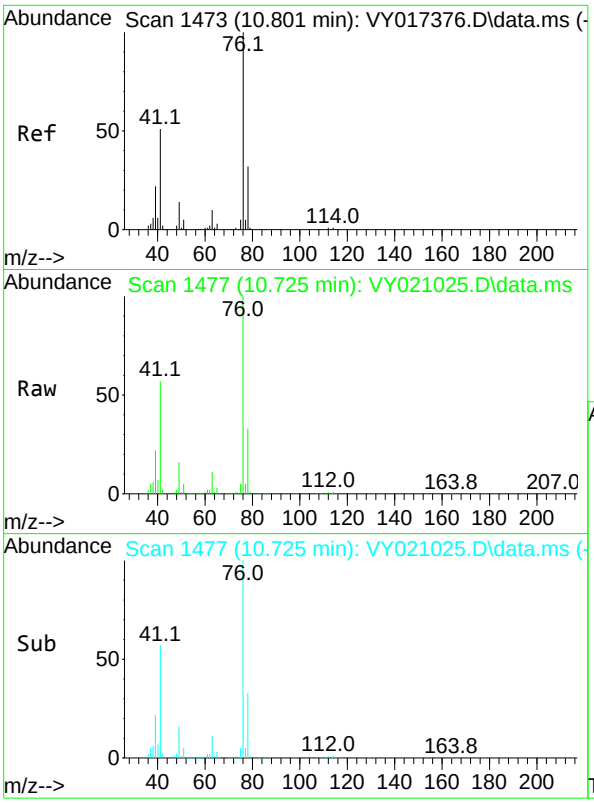




#56
Ethyl methacrylate
Concen: 213.398 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.076 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 69 Resp: 313458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 67.0 | 49.2 | 73.8 |
| 39 | 37.0 | 26.8 | 40.2 |



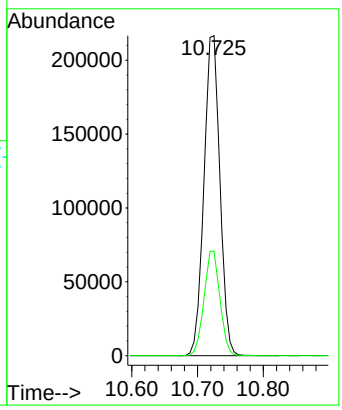


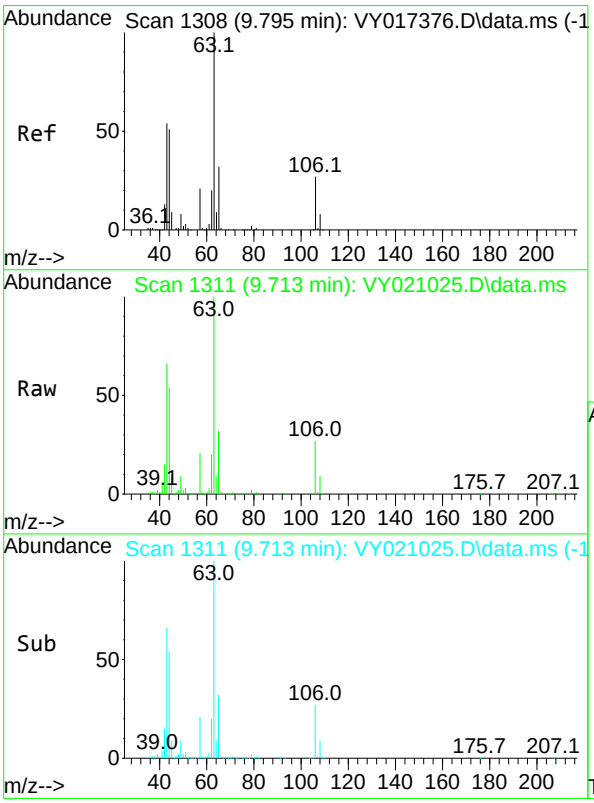

#57
1,3-Dichloropropane
Concen: 147.276 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.076 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 365553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 26.1 | 39.1 |

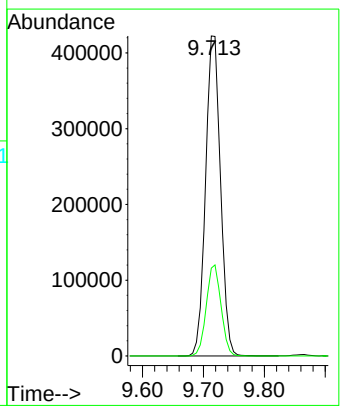


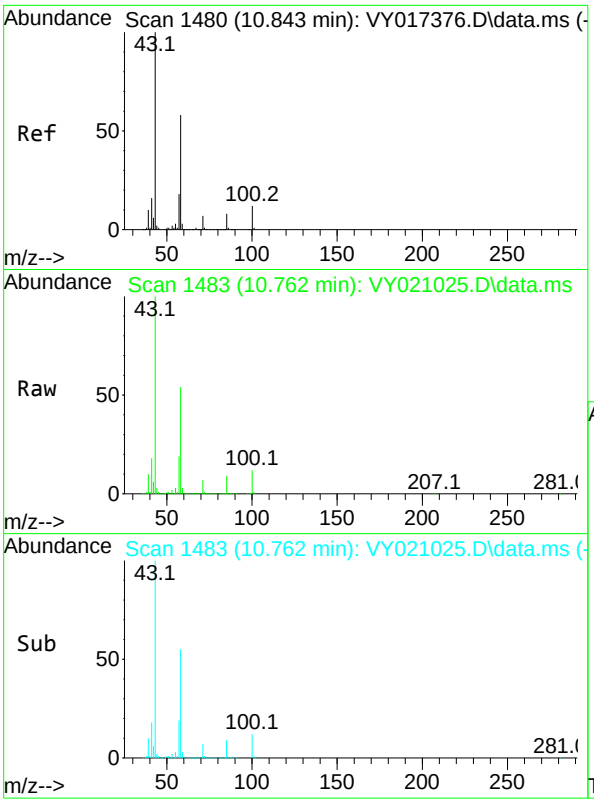




#58
2-Chloroethyl Vinyl ether
Concen: 766.301 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 63 Resp: 721923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.0 | 22.4 | 33.6 |



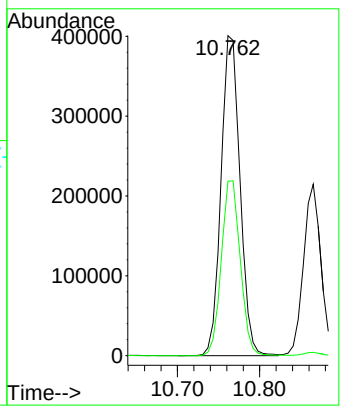


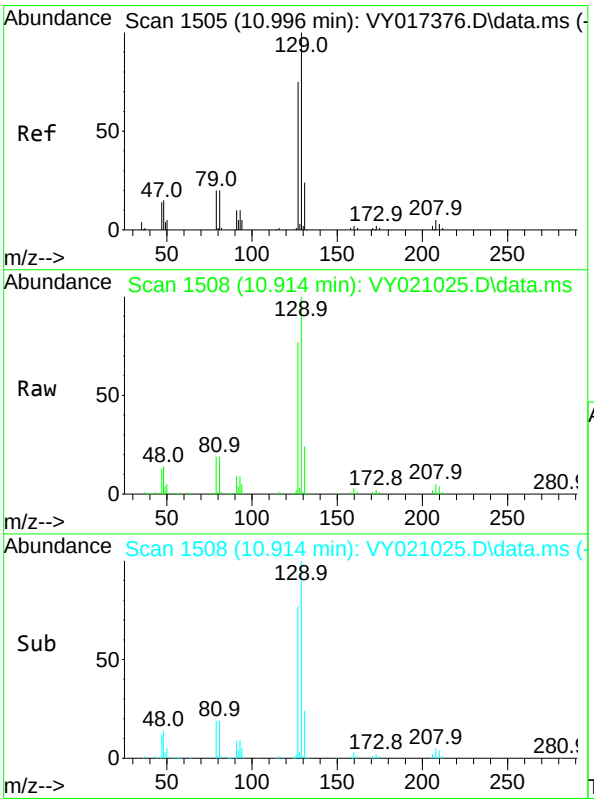

#59
2-Hexanone
Concen: 752.306 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 642448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.6 | 28.1 | 84.3 |

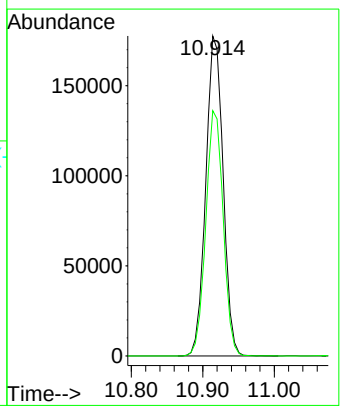


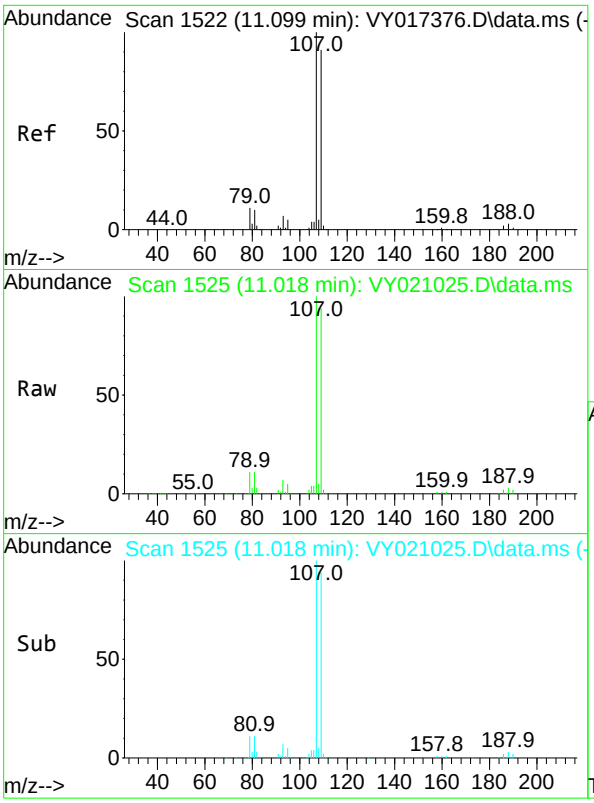




#60
Dibromochloromethane
Concen: 178.499 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:129 Resp: 298751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 39.2 | 117.6 |



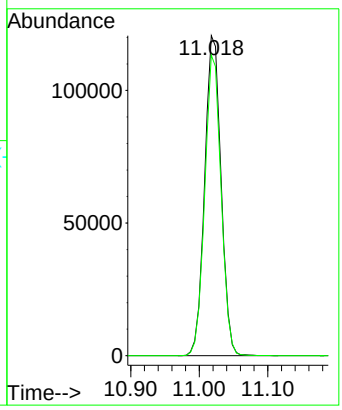


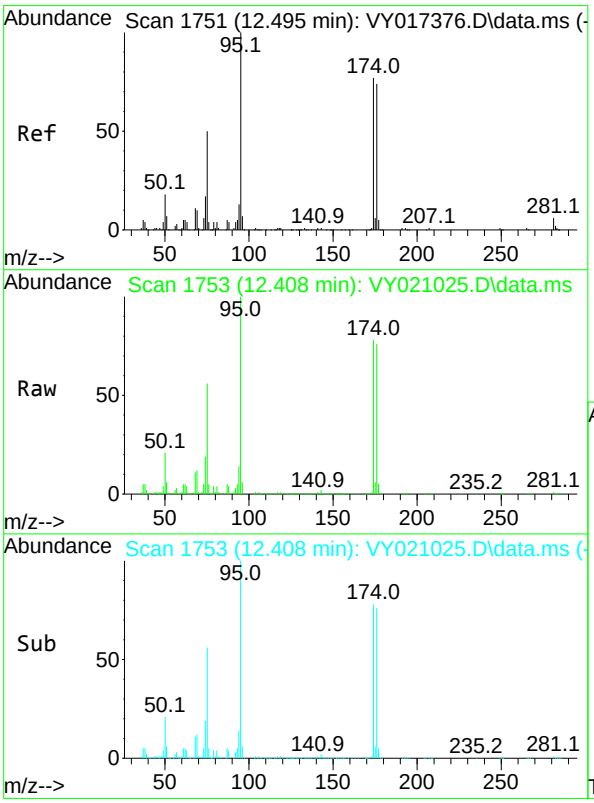

#61
1,2-Dibromoethane
Concen: 151.965 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:107 Resp: 200840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.5 | 75.4 | 113.2 |

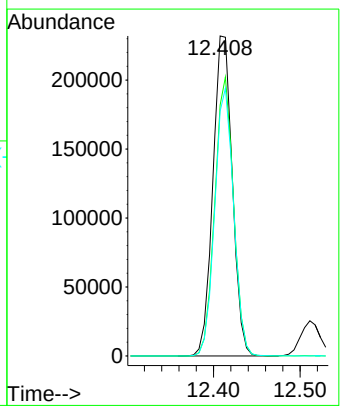


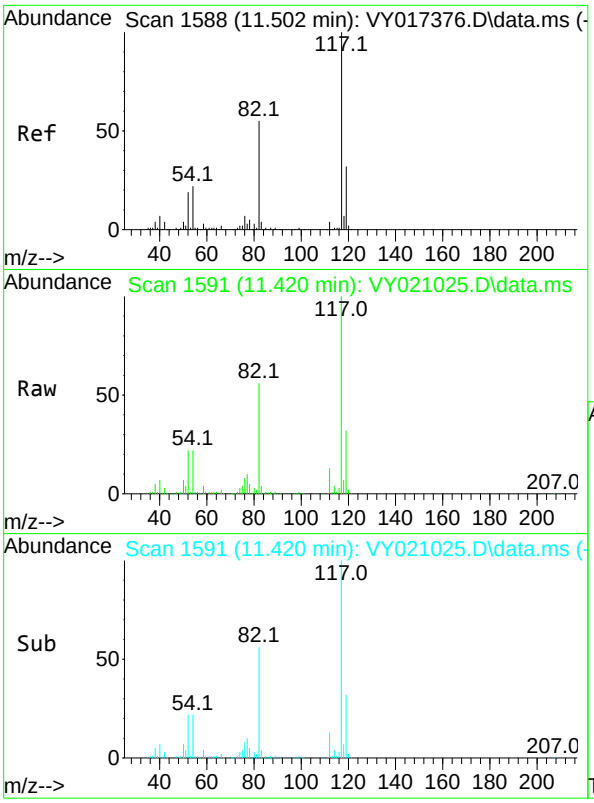




#62
4-Bromofluorobenzene
Concen: 165.389 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 95 Resp: 360358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.2 | 0.0 | 160.0 |
| 176 | 81.4 | 0.0 | 151.8 |



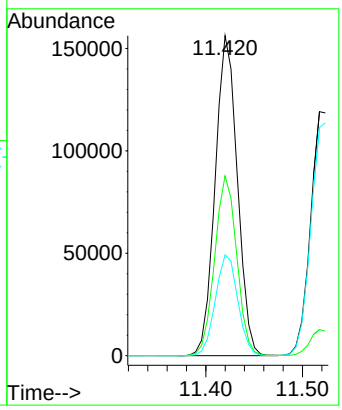


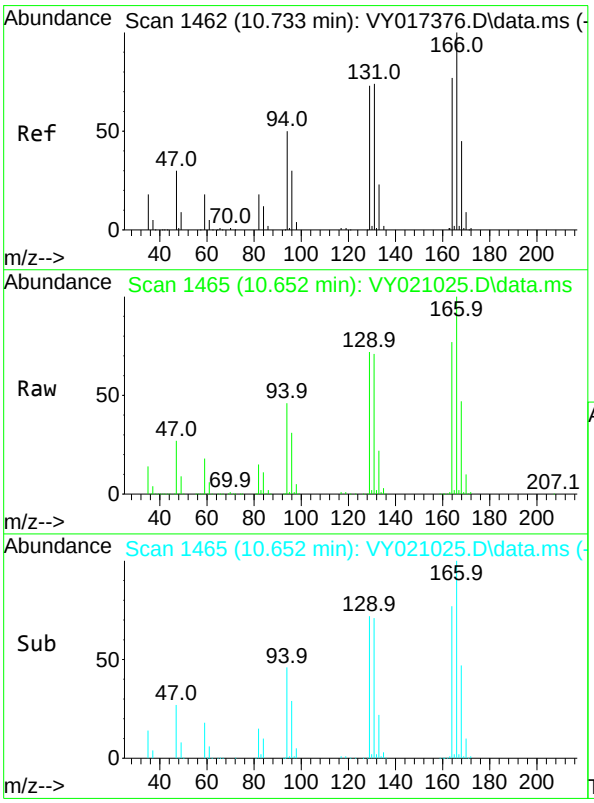

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:117 Resp: 248527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.2 | 43.8 | 65.8 |
| 119 | 31.5 | 26.5 | 39.7 |

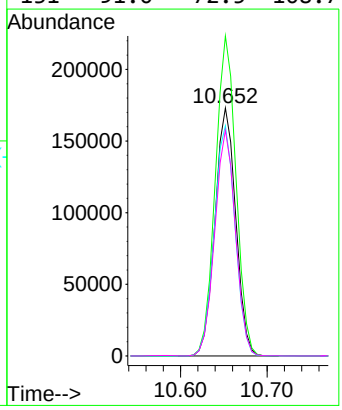


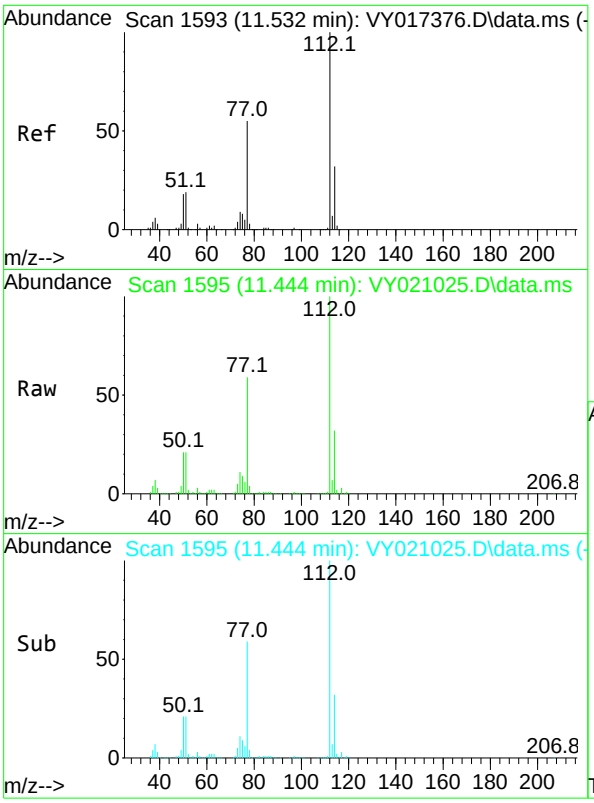




#64
Tetrachloroethene
Concen: 157.146 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:164 Resp: 288752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.1 | 98.8 | 148.2 |
| 129 | 92.8 | 78.9 | 118.3 |
| 131 | 91.0 | 72.5 | 108.7 |



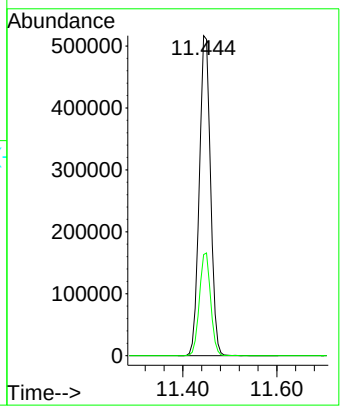


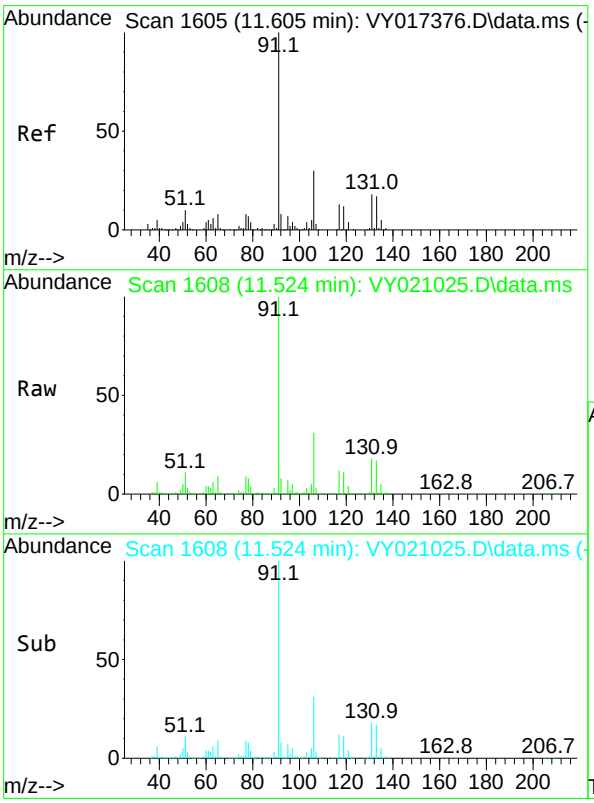

#65
Chlorobenzene
Concen: 162.172 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:112 Resp: 854481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.6 | 26.1 | 39.1 |

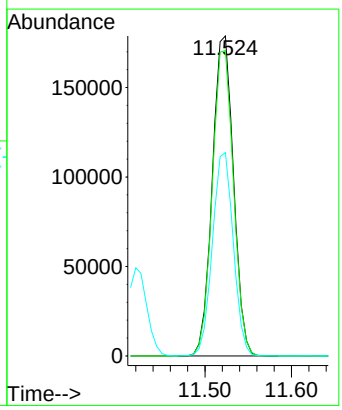


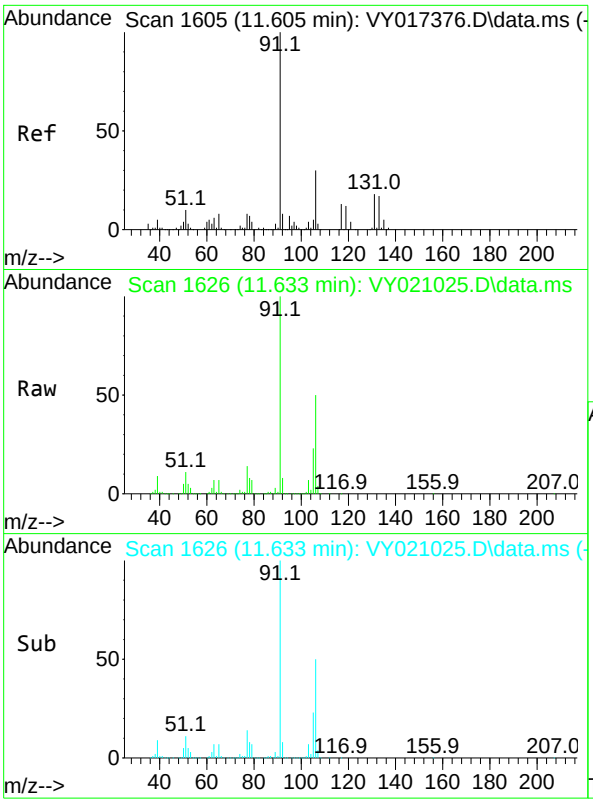




#66
1,1,1,2-Tetrachloroethane
Concen: 159.965 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:131 Resp: 303176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.7 | 47.0 | 141.0 |
| 119 | 62.8 | 33.3 | 99.9 |



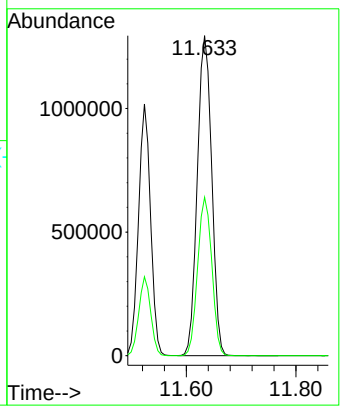


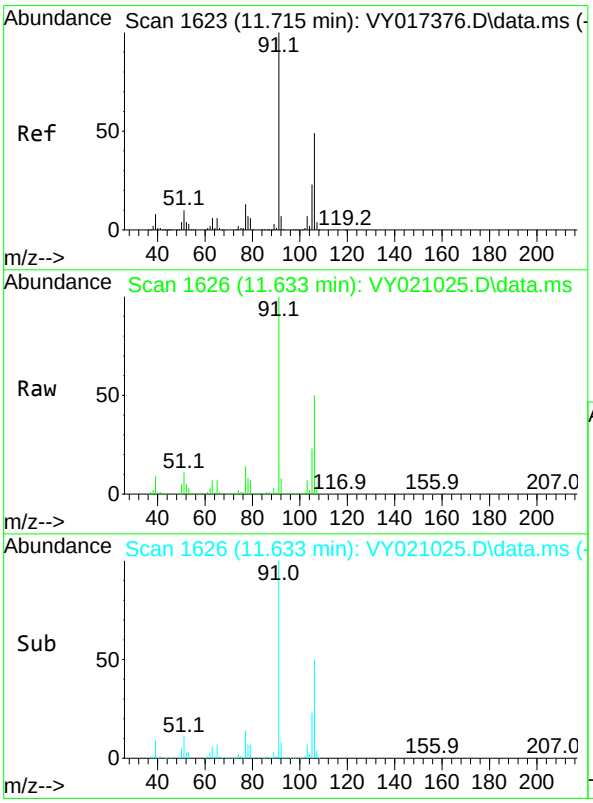

#67
Ethyl Benzene
Concen: 243.252 ug/l
RT: 11.633 min Scan# 1
Delta R.T. 0.028 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 2360814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 49.5 | 25.0 | 37.4# |

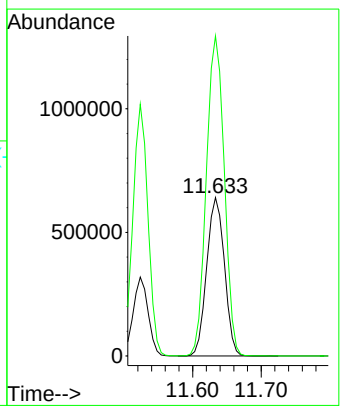


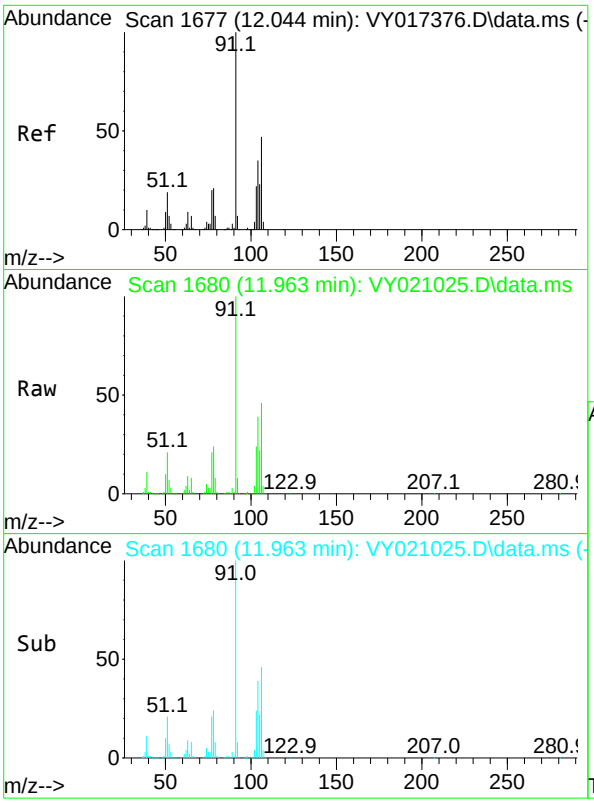




#68
m/p-Xylenes
Concen: 314.940 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:106 Resp: 1152452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.9 | 160.7 | 241.1 |



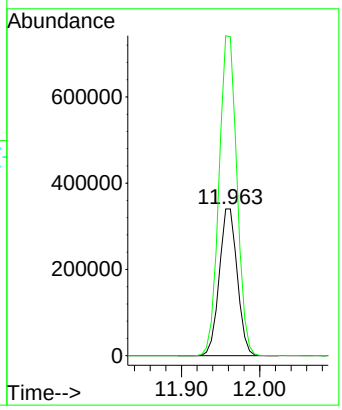


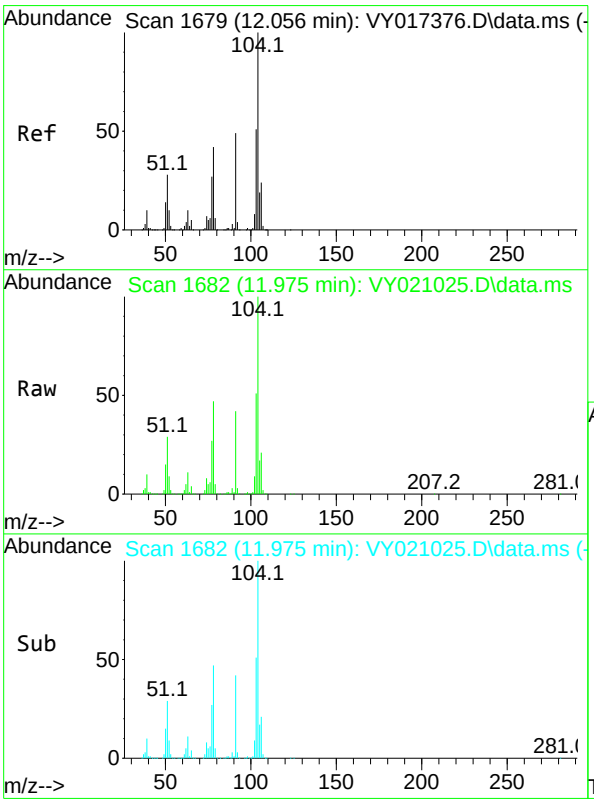

#69
o-Xylene
Concen: 164.162 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:106 Resp: 543425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.3 | 106.5 | 319.5 |

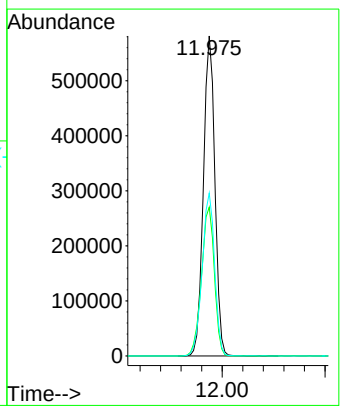


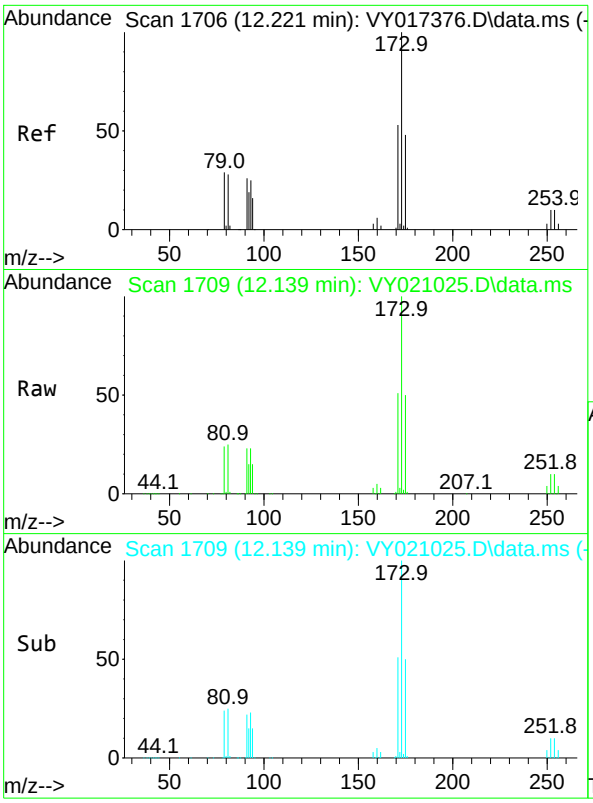




#70
Styrene
Concen: 177.408 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:104 Resp: 900989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 39.2 | 58.8 |
| 103 | 55.3 | 43.8 | 65.6 |



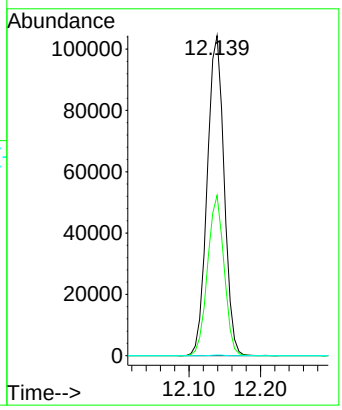


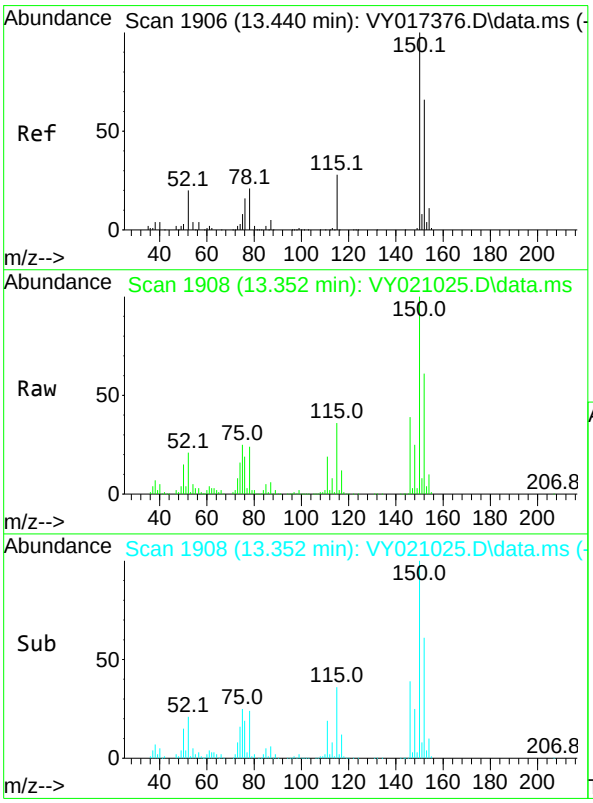

#71
Bromoform
Concen: 186.022 ug/l
RT: 12.139 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:173 Resp: 170929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 23.5 | 70.6 |
| 254 | 0.1 | 0.0 | 0.0# |

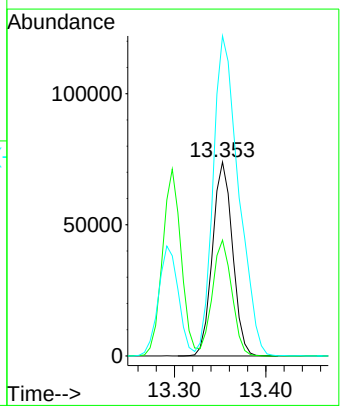


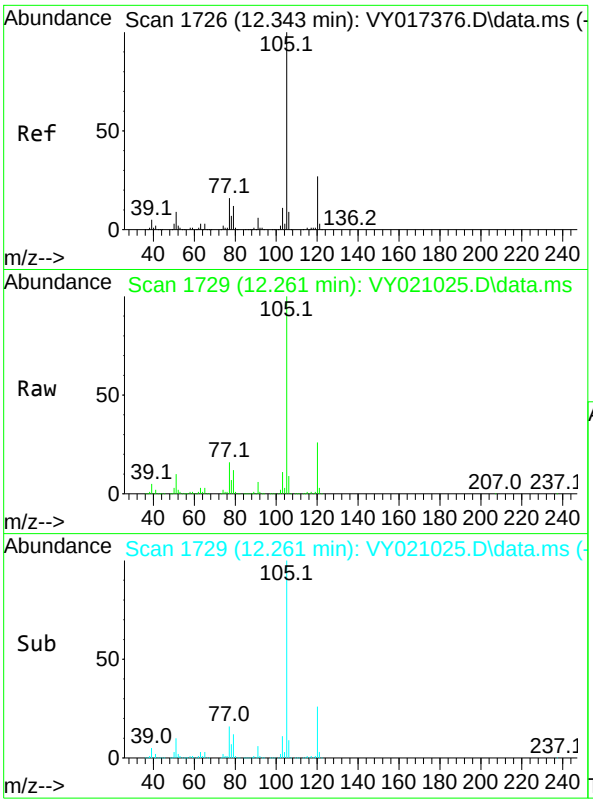




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:152 Resp: 112575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.8 | 30.0 | 90.0 |
| 150 | 210.4 | 0.0 | 344.6 |



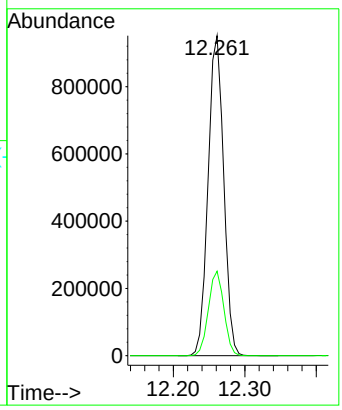


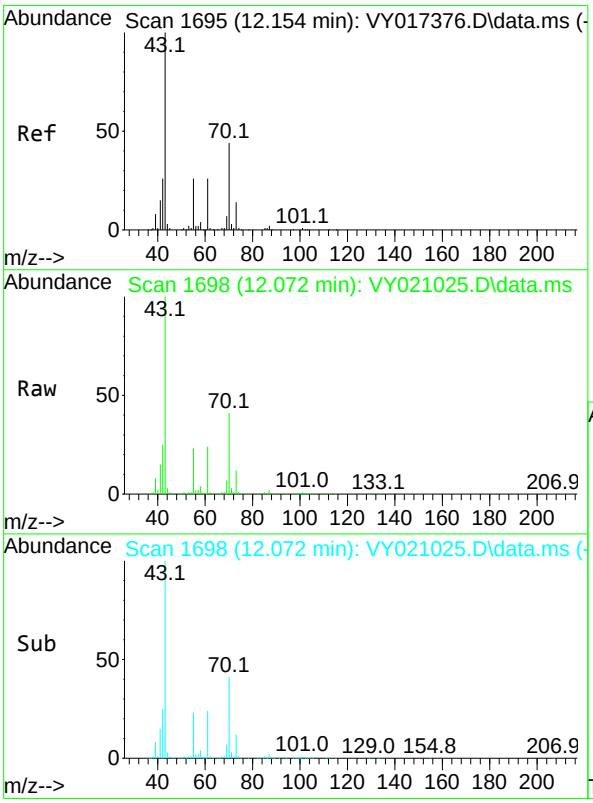

#73
Isopropylbenzene
Concen: 153.455 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 1439642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 39.0 |

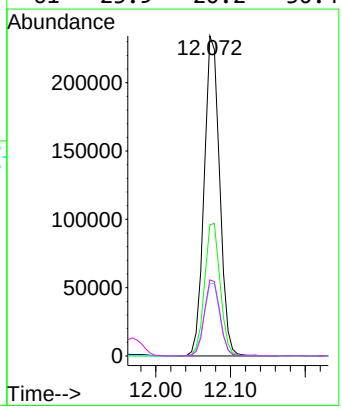


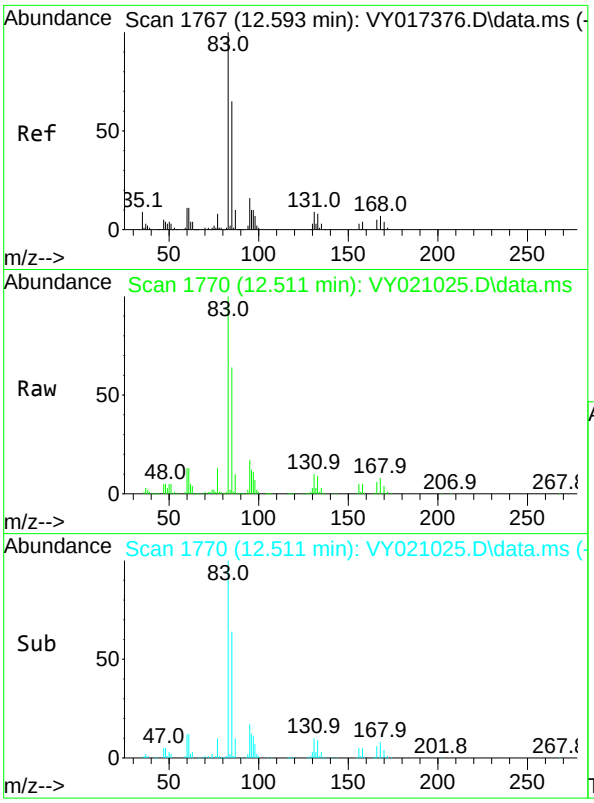




#74
N-amyl acetate
Concen: 181.987 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 43 Resp: 337562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.9 | 36.6 | 55.0 |
| 55 | 23.4 | 22.2 | 33.4 |
| 61 | 23.9 | 20.2 | 30.4 |



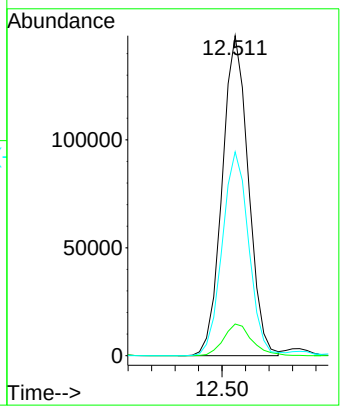


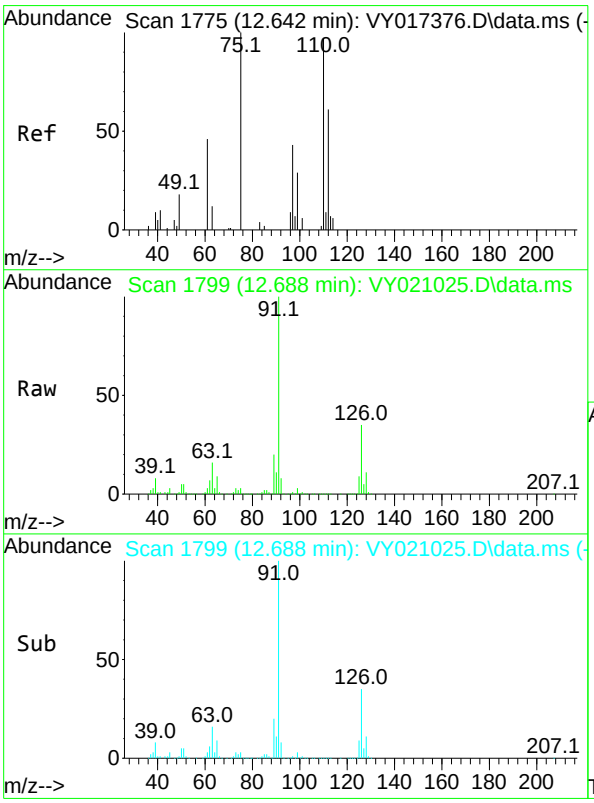

#75
1,1,2,2-Tetrachloroethane
Concen: 136.546 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 229575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.7 | 4.9 | 14.6 |
| 85 | 64.5 | 32.6 | 98.0 |

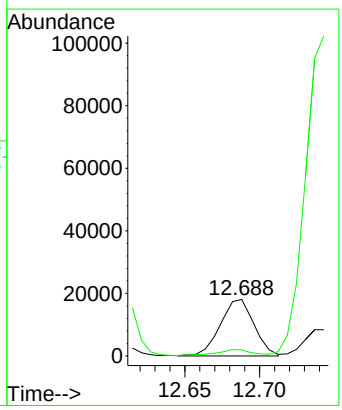


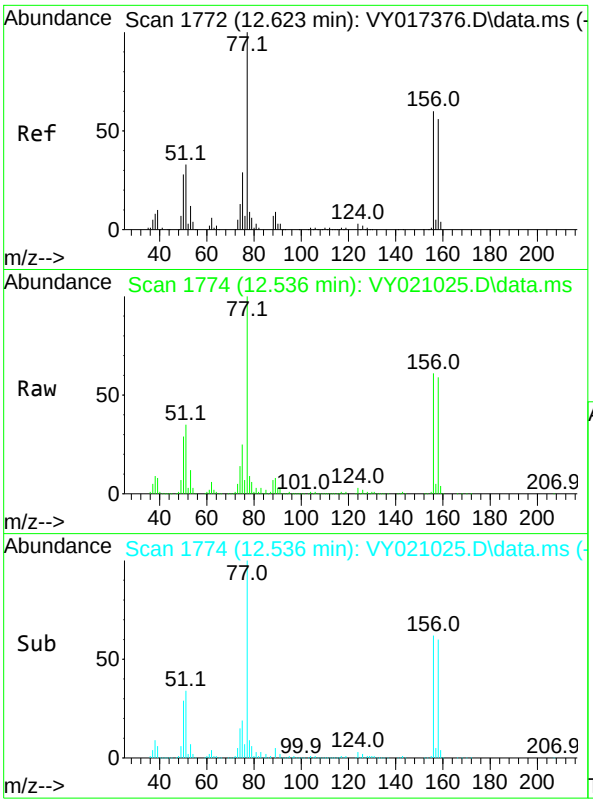




#76
1,2,3-Trichloropropane
Concen: 25.245 ug/l
RT: 12.688 min Scan# 1799
Delta R.T. 0.046 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 28402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



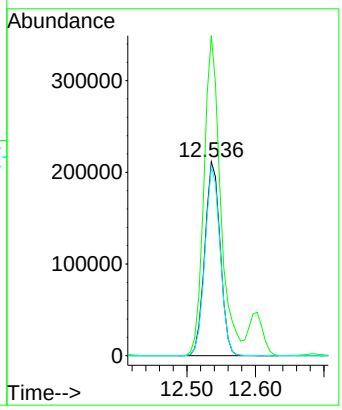


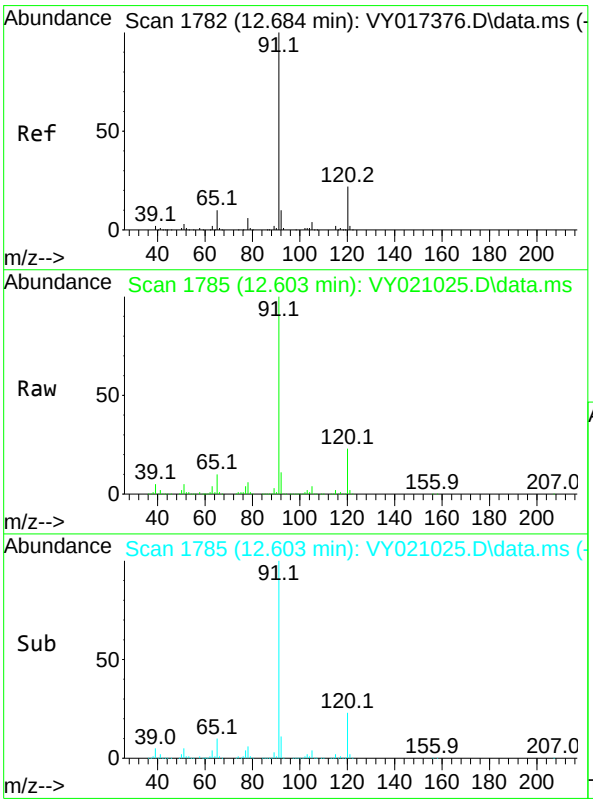

#77
Bromobenzene
Concen: 167.148 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:156 Resp: 330230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 177.0 | 97.3 | 291.8 |
| 158 | 96.2 | 48.4 | 145.0 |

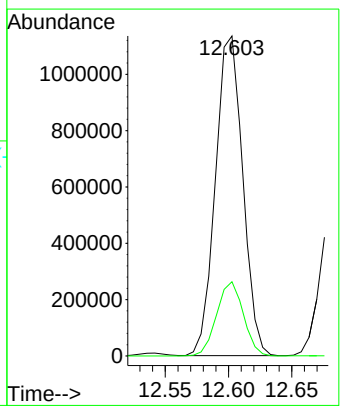


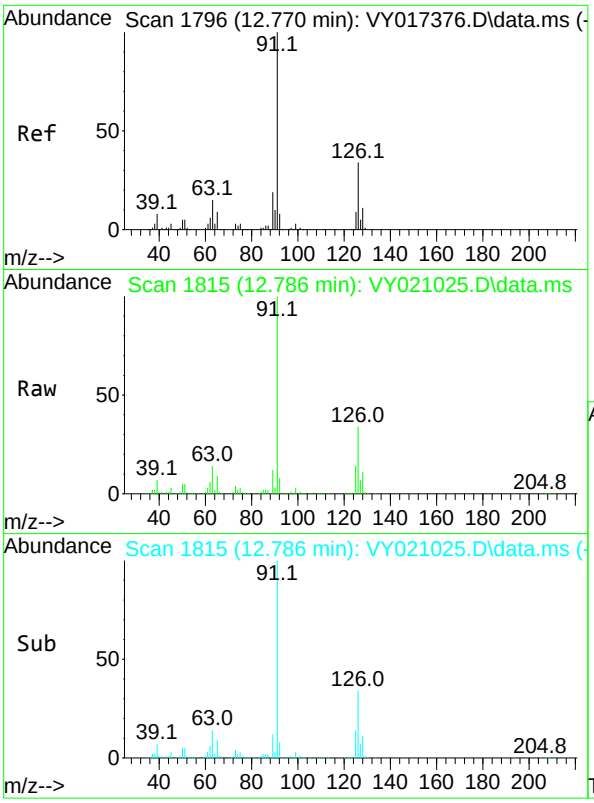




#78
n-propylbenzene
Concen: 147.779 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 1706799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.0 | 33.0 |



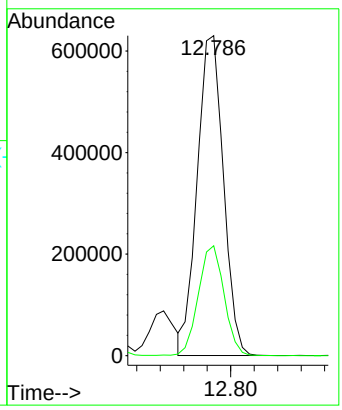


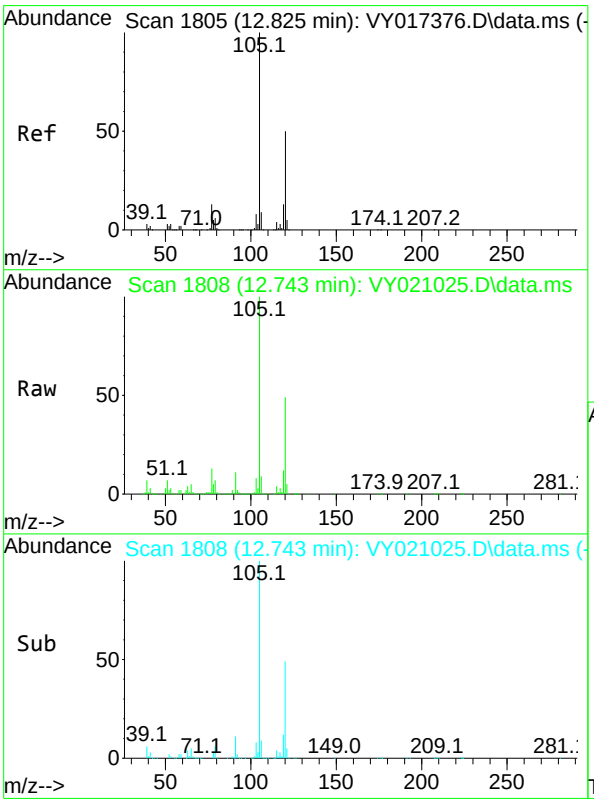

#79
2-Chlorotoluene
Concen: 154.410 ug/l
RT: 12.786 min Scan# 1
Delta R.T. 0.016 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 973177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 17.0 | 51.0 |

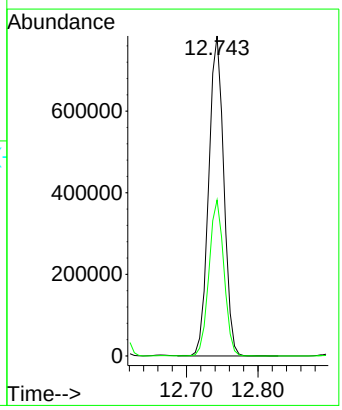


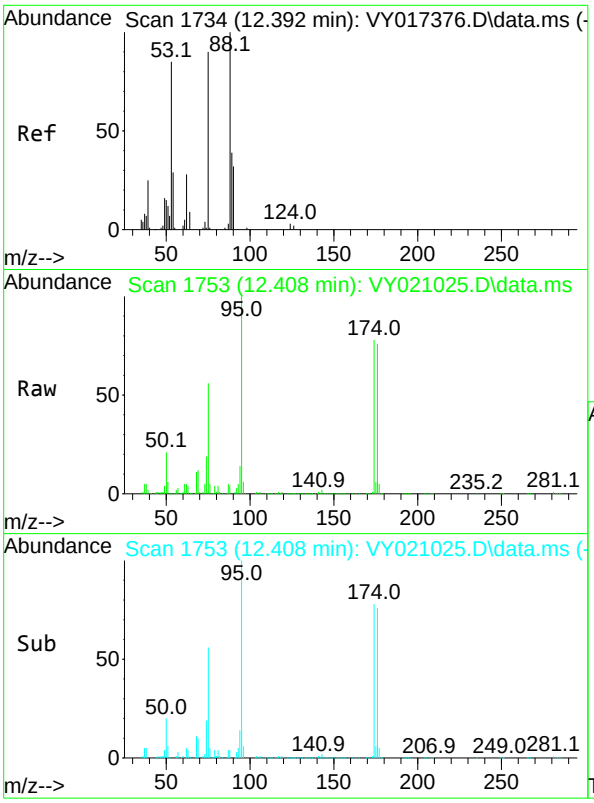




#80
1,3,5-Trimethylbenzene
Concen: 155.522 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 1146647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 24.3 | 72.8 |



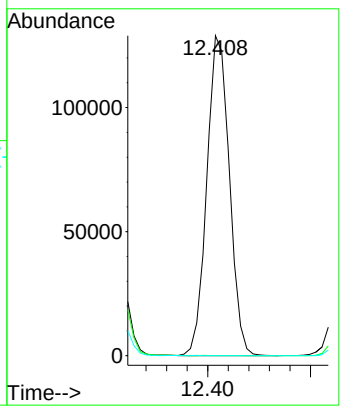


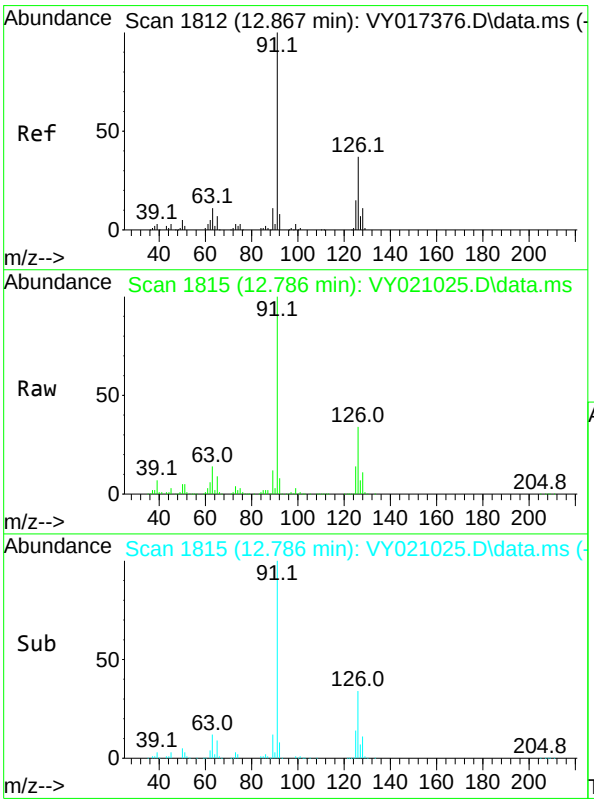

#81
trans-1,4-Dichloro-2-butene
Concen: 386.798 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.016 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 196534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 74.0 | 111.0# |
| 89 | 0.0 | 36.5 | 54.7# |

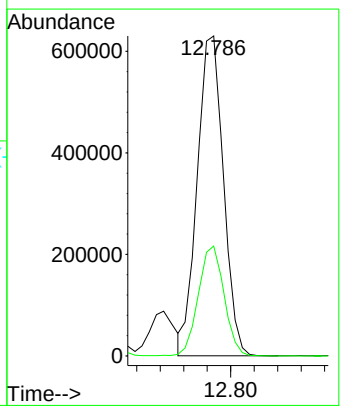


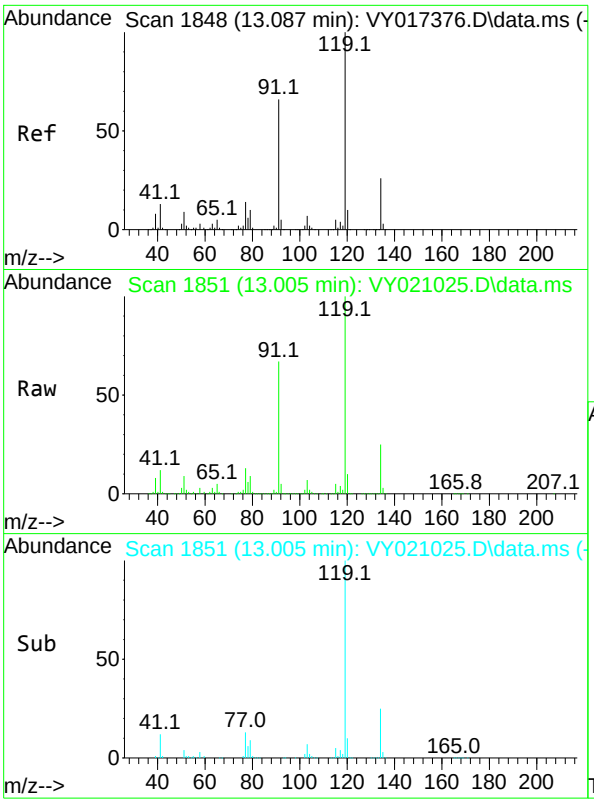




#82
4-Chlorotoluene
Concen: 149.992 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 91 Resp: 973177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 17.1 | 51.2 |



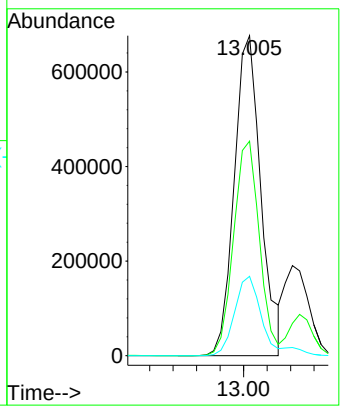


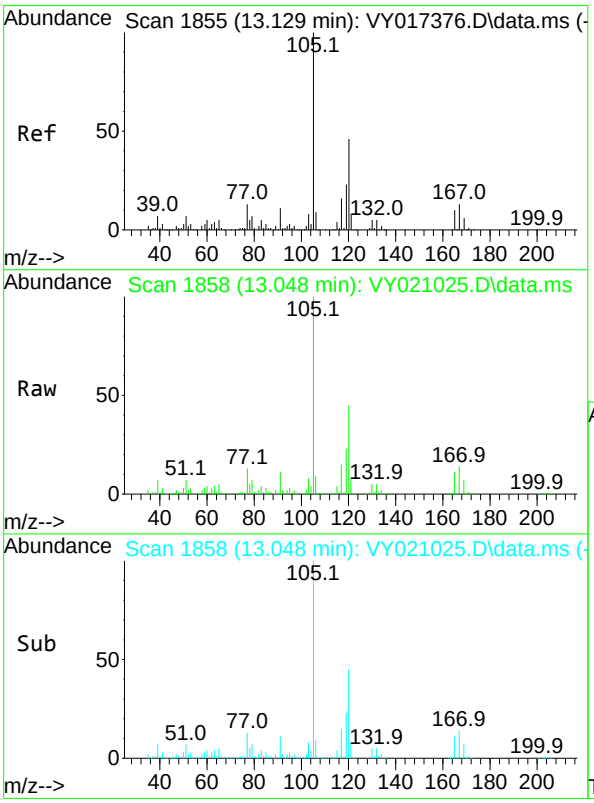

#83
tert-Butylbenzene
Concen: 165.732 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:119 Resp: 1067144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.0 | 31.5 | 94.5 |
| 134 | 26.0 | 13.1 | 39.3 |

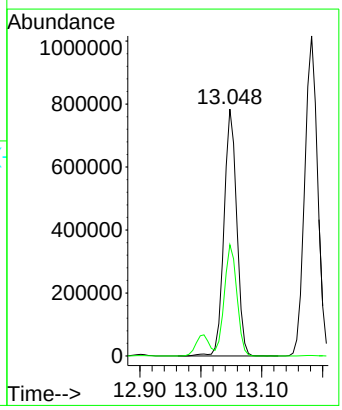


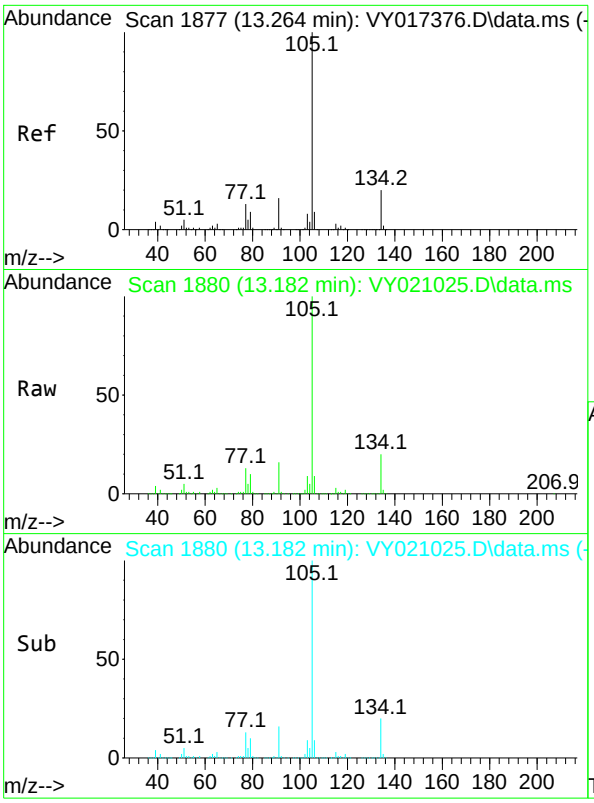




#84
1,2,4-Trimethylbenzene
Concen: 156.424 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:105 Resp: 1138490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 22.1 | 66.3 |



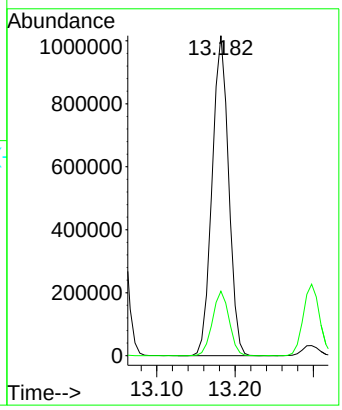


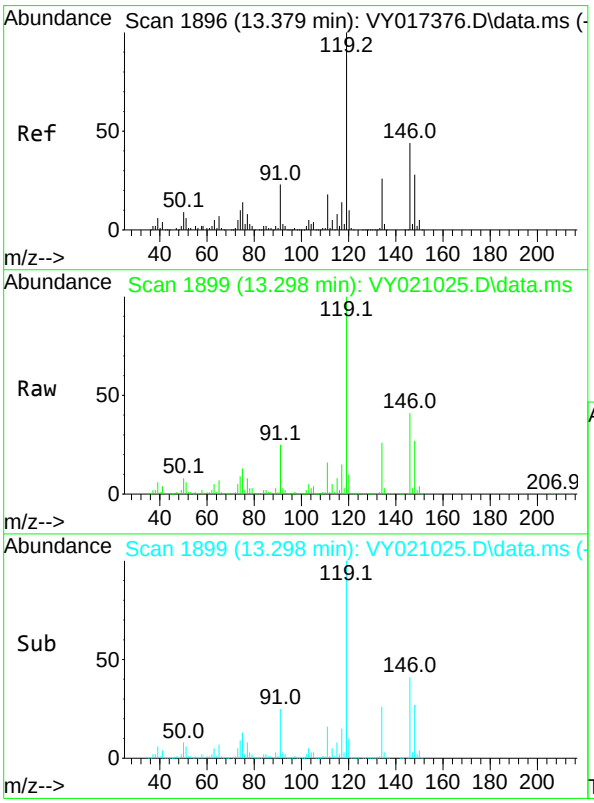

#85
sec-Butylbenzene
Concen: 151.621 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 1489668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 9.7 | 28.9 |

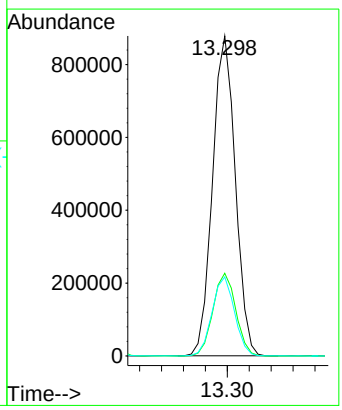


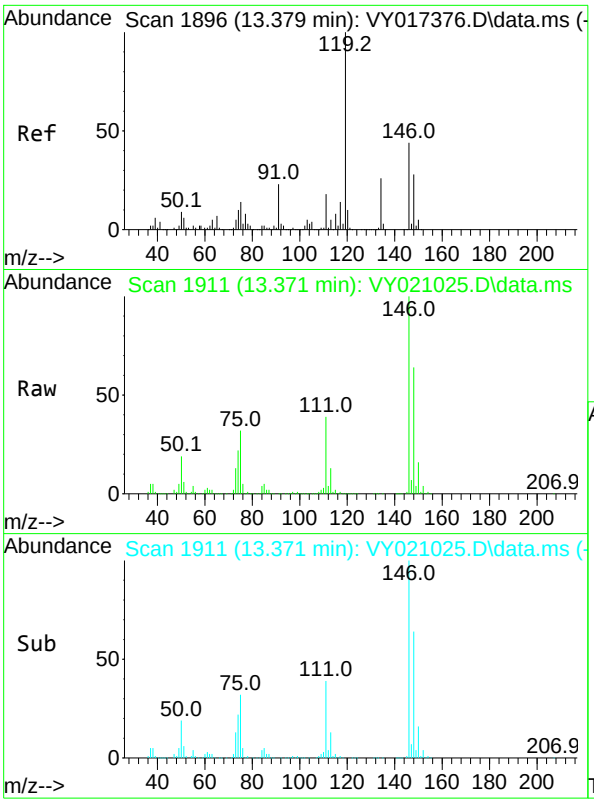




#86
p-Isopropyltoluene
Concen: 159.437 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.082 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:119 Resp: 1267584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.1 | 39.1 |
| 91 | 24.4 | 11.7 | 35.0 |



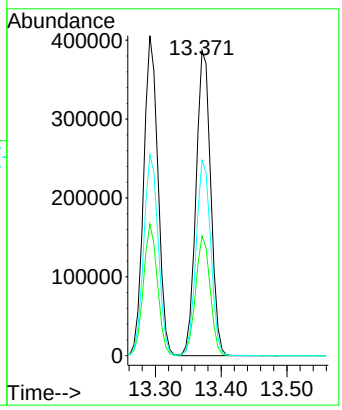


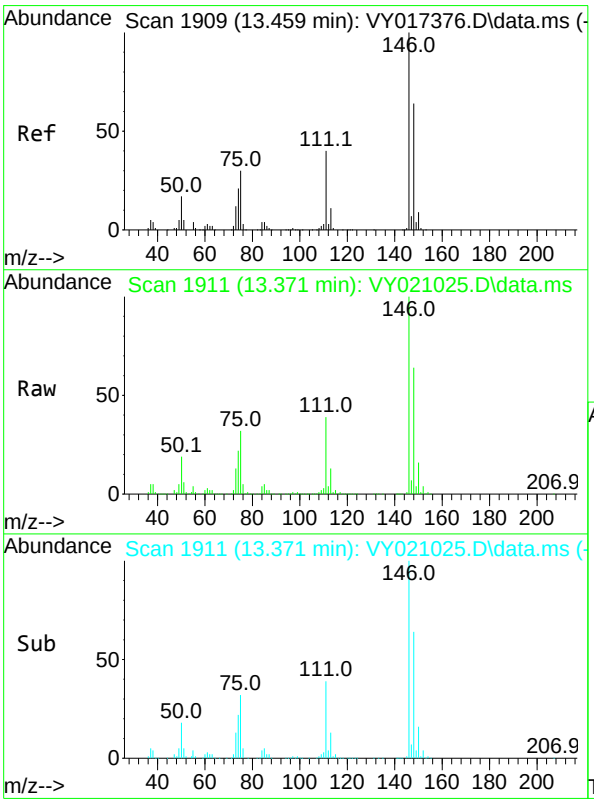

#87
1,3-Dichlorobenzene
Concen: 150.146 ug/l
RT: 13.371 min Scan# 1
Delta R.T. -0.009 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 600370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 20.2 | 60.5 |
| 148 | 63.8 | 31.9 | 95.9 |

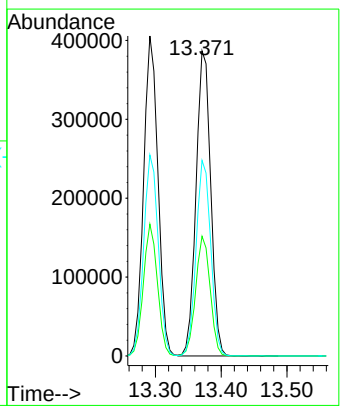


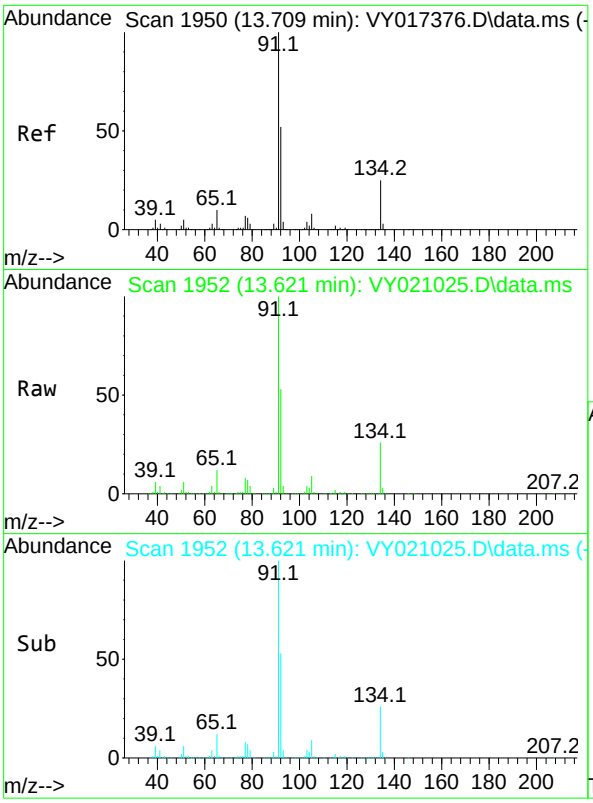




#88
1,4-Dichlorobenzene
Concen: 154.353 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:146 Resp: 600370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 19.3 | 57.9 |
| 148 | 63.8 | 31.6 | 94.7 |



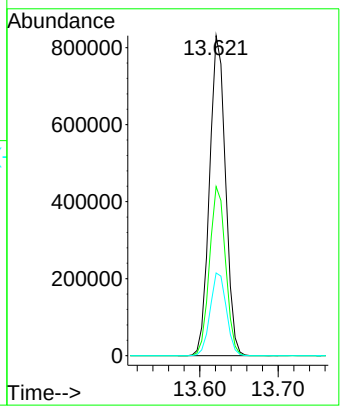


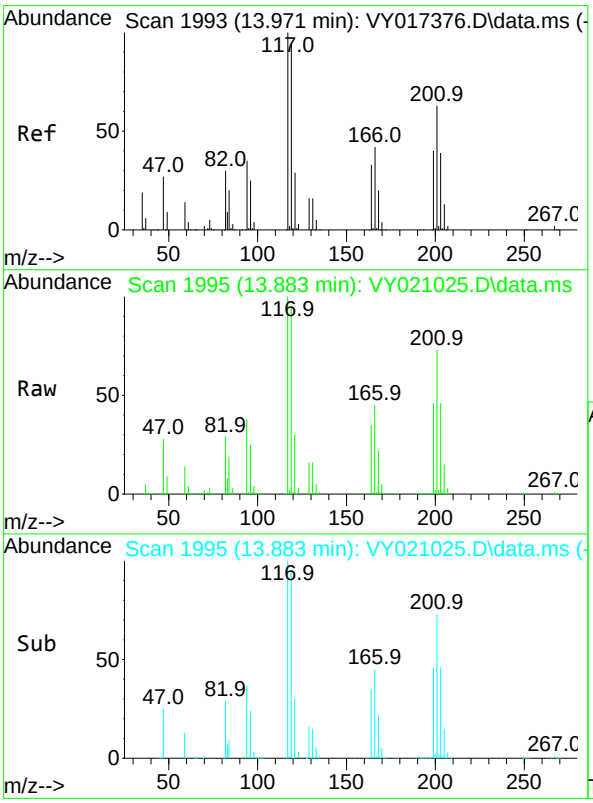

#89
n-Butylbenzene
Concen: 151.860 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 1172760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.2 | 26.4 | 79.2 |
| 134 | 26.3 | 12.3 | 36.8 |

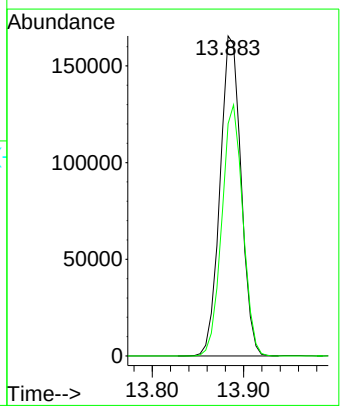


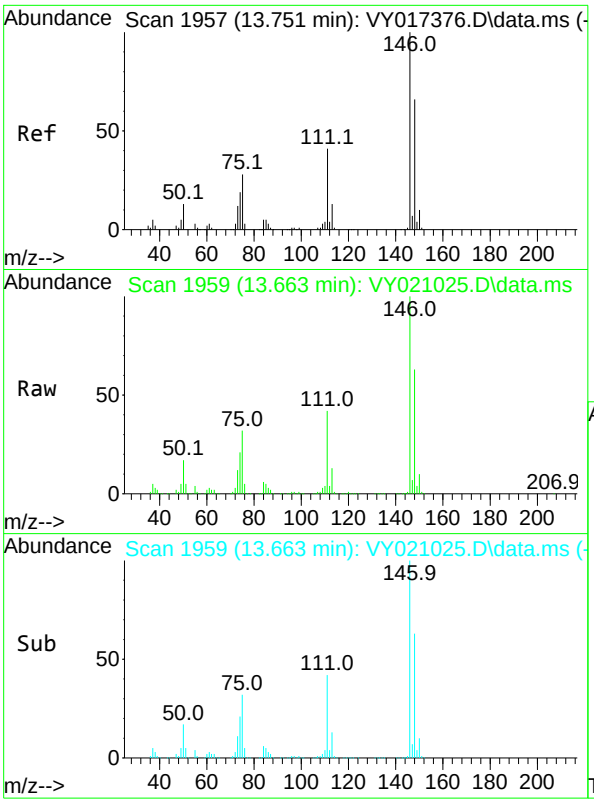




#90
Hexachloroethane
Concen: 160.731 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:117 Resp: 264877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.2 | 33.4 | 100.1 |



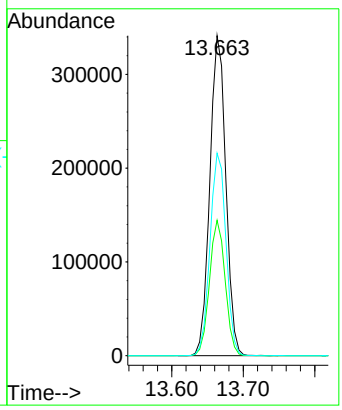


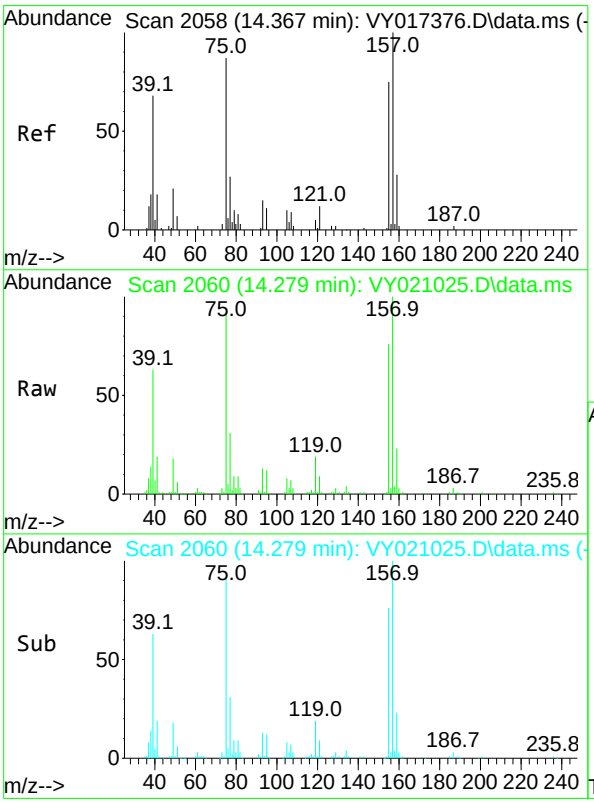

#91
1,2-Dichlorobenzene
Concen: 160.577 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 529143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.5 | 61.6 |
| 148 | 63.4 | 31.4 | 94.3 |

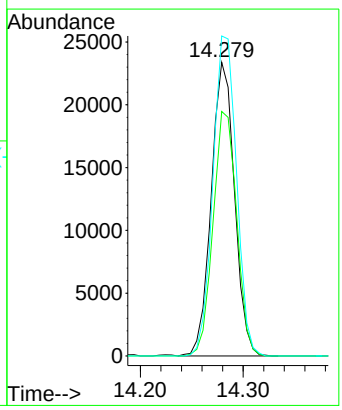


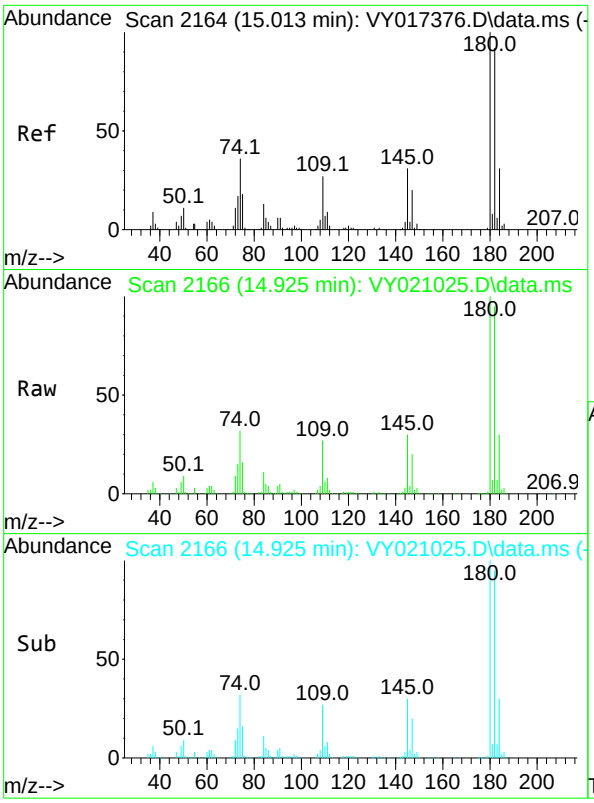




#92
1,2-Dibromo-3-Chloropropane
Concen: 175.945 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion: 75 Resp: 36737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.1 | 42.1 | 126.3 |
| 157 | 110.5 | 55.8 | 167.4 |



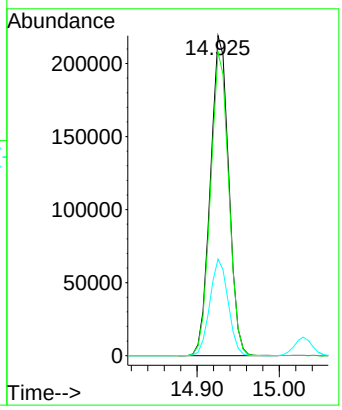


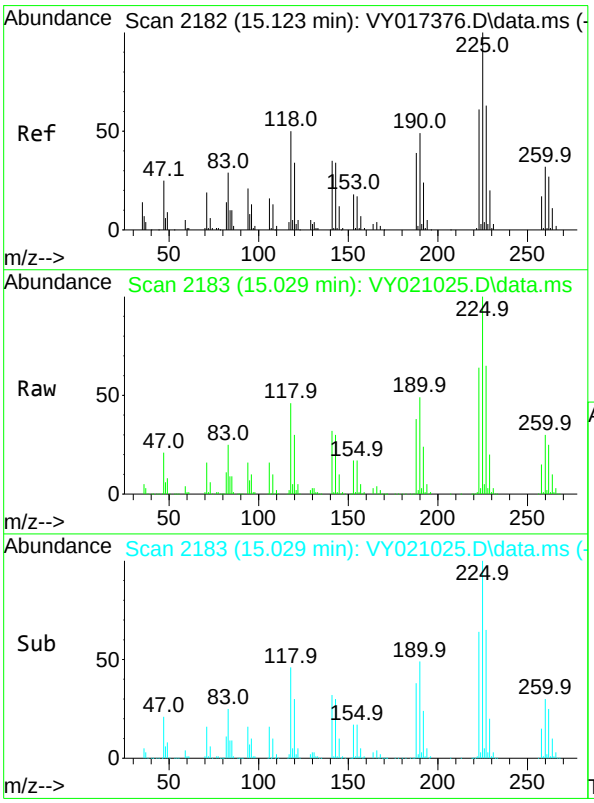

#93
1,2,4-Trichlorobenzene
Concen: 206.167 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.088 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:180 Resp: 338957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 47.9 | 143.7 |
| 145 | 30.1 | 15.9 | 47.7 |

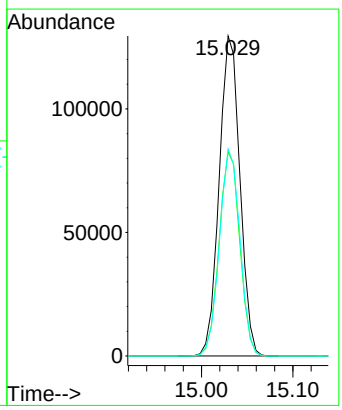


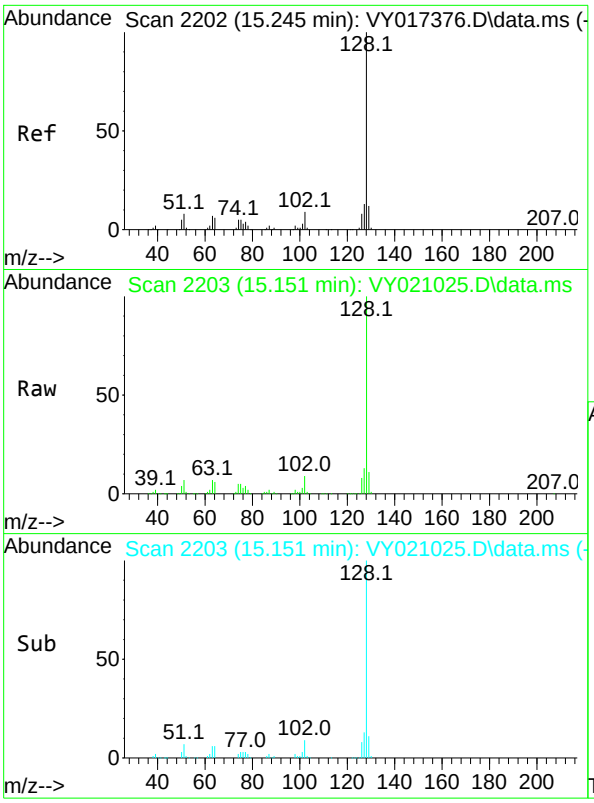




#94
Hexachlorobutadiene
Concen: 201.244 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:225 Resp: 204211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 31.4 | 94.3 |
| 227 | 64.1 | 32.3 | 96.8 |



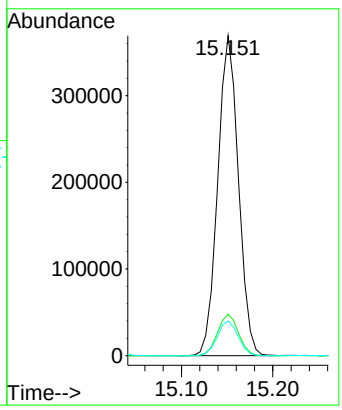


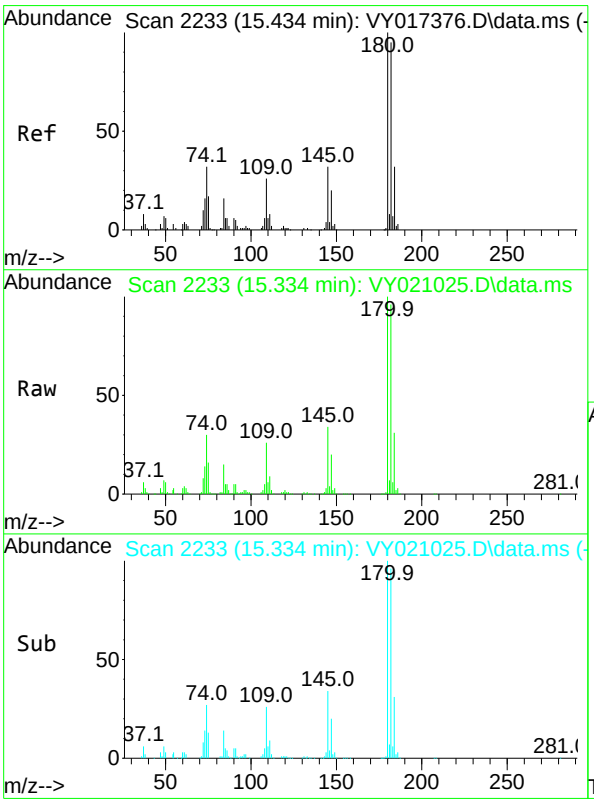

#95
Naphthalene
Concen: 203.420 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.094 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:128 Resp: 581994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 12.8 |

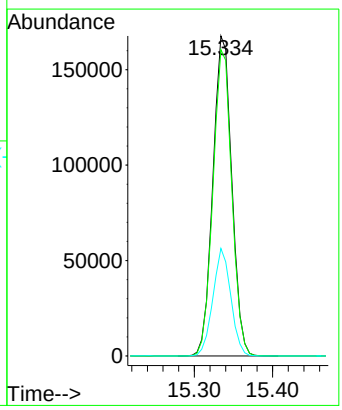



#96
1,2,3-Trichlorobenzene
Concen: 203.655 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.100 min
Lab File: VY021025.D
Acq: 03 Feb 2025 12:44

Tgt Ion:180 Resp: 280907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.3 | 138.8 |
| 145 | 31.9 | 16.1 | 48.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 186133 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 280950 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 237569 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 112062 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 104134 | 54.604 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 109.200% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 104051 | 57.790 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 115.580% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 411045 | 59.966 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 119.940% | | | |
| 62) 4-Bromofluorobenzene | 12.407 | 95 | 131943 | 58.919 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 117.840% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 86748 | 52.290 | ug/l | 98 |
| 3) Chloromethane | 2.074 | 50 | 85135 | 52.006 | ug/l | 100 |
| 4) Vinyl Chloride | 2.208 | 62 | 84130 | 51.058 | ug/l | 99 |
| 5) Bromomethane | 2.598 | 94 | 53592 | 52.624 | ug/l | 94 |
| 6) Chloroethane | 2.738 | 64 | 48969 | 49.925 | ug/l | 96 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 155690 | 51.864 | ug/l | 99 |
| 8) Diethyl Ether | 3.458 | 74 | 43771 | 46.708 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 97040 | 51.507 | ug/l | 95 |
| 10) Methyl Iodide | 4.013 | 142 | 102264 | 48.858 | ug/l | 95 |
| 11) Tert butyl alcohol | 4.860 | 59 | 27677 | 214.161 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 91949 | 51.810 | ug/l | 92 |
| 13) Acrolein | 3.653 | 56 | 46827 | 235.305 | ug/l | 100 |
| 14) Allyl chloride | 4.391 | 41 | 151536 | 50.663 | ug/l | 96 |
| 15) Acrylonitrile | 5.061 | 53 | 89881 | 230.328 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 72566 | 243.997 | ug/l | 96 |
| 17) Carbon Disulfide | 4.110 | 76 | 289409 | 52.004 | ug/l | 99 |
| 18) Methyl Acetate | 4.391 | 43 | 48057 | 46.031 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.122 | 73 | 213244 | 47.538 | ug/l | 100 |
| 20) Methylene Chloride | 4.628 | 84 | 91358 | 49.414 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 98665 | 50.506 | ug/l | 94 |
| 22) Diisopropyl ether | 6.024 | 45 | 304603 | 49.407 | ug/l | 98 |
| 23) Vinyl Acetate | 5.964 | 43 | 819243 | 238.370 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.921 | 63 | 179904 | 49.806 | ug/l | 97 |
| 25) 2-Butanone | 6.896 | 43 | 114117 | 233.503 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 169757 | 50.791 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.896 | 96 | 111947 | 49.785 | ug/l | 94 |
| 28) Bromochloromethane | 7.250 | 49 | 78173 | 54.731 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 75445 | 228.139 | ug/l | 96 |
| 30) Chloroform | 7.427 | 83 | 181229 | 48.846 | ug/l | 97 |
| 31) Cyclohexane | 7.707 | 56 | 162806 | 50.051 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 174612 | 50.620 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 140344 | 52.625 | ug/l | 99 |
| 37) Ethyl Acetate | 6.988 | 43 | 54994 | 47.006 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 161137 | 51.711 | ug/l | 100 |
| 39) Methylcyclohexane | 9.115 | 83 | 176554 | 54.123 | ug/l | 97 |
| 40) Benzene | 8.085 | 78 | 399547 | 51.052 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.232 | 41 | 29193 | 43.131 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 104015 | 47.910 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.201 | 43 | 110476 | 47.523 | ug/l | | 98 |
| 44) Trichloroethene | 8.872 | 130 | 102671 | 50.777 | ug/l | | 95 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 92259 | 49.666 | ug/l | | 99 |
| 46) Dibromomethane | 9.237 | 93 | 48251 | 46.914 | ug/l | | 95 |
| 47) Bromodichloromethane | 9.426 | 83 | 134607 | 48.799 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.225 | 41 | 52480 | 49.560 | ug/l | | 93 |
| 49) 1,4-Dioxane | 9.231 | 88 | 9588 | 1001.398 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 276605 | 236.615 | ug/l | | 97 |
| 52) Toluene | 10.176 | 92 | 251287 | 51.135 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 123718 | 49.950 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 148244 | 50.550 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 62357 | 46.820 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.444 | 69 | 87450 | 49.082 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 110606 | 47.980 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 213481 | 251.852 | ug/l | | 99 |
| 59) 2-Hexanone | 10.761 | 43 | 180455 | 239.750 | ug/l | | 96 |
| 60) Dibromochloromethane | 10.914 | 129 | 90009 | 48.123 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.017 | 107 | 59039 | 47.325 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.652 | 164 | 92493 | 52.446 | ug/l | | 95 |
| 65) Chlorobenzene | 11.444 | 112 | 268544 | 50.766 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.523 | 131 | 94662 | 50.356 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.523 | 91 | 492537 | 52.642 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.633 | 106 | 367445 | 104.978 | ug/l | | 98 |
| 69) o-Xylene | 11.956 | 106 | 169897 | 52.062 | ug/l | | 96 |
| 70) Styrene | 11.975 | 104 | 282879 | 52.009 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 50400 | 48.166 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 467245 | 53.377 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 94701 | 49.483 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 68636 | 47.145 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 93028 | 91.514 | ug/l | # | 100 |
| 77) Bromobenzene | 12.536 | 156 | 101991 | 50.490 | ug/l | | 93 |
| 78) n-propylbenzene | 12.596 | 91 | 558013 | 53.513 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 310097 | 51.922 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 375018 | 52.840 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 24332 | 48.841 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 313949 | 51.594 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.005 | 119 | 348046 | 53.952 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 370353 | 53.370 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.182 | 105 | 494957 | 53.301 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 411332 | 53.325 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 198405 | 50.868 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 193207 | 50.309 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 384473 | 54.636 | ug/l | | 99 |
| 90) Hexachloroethane | 13.883 | 117 | 82908 | 51.521 | ug/l | | 84 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 168238 | 49.696 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 10000 | 45.965 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 98409 | 52.224 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 65883 | 52.760 | ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 154493 | 51.245 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 79793 | 50.882 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

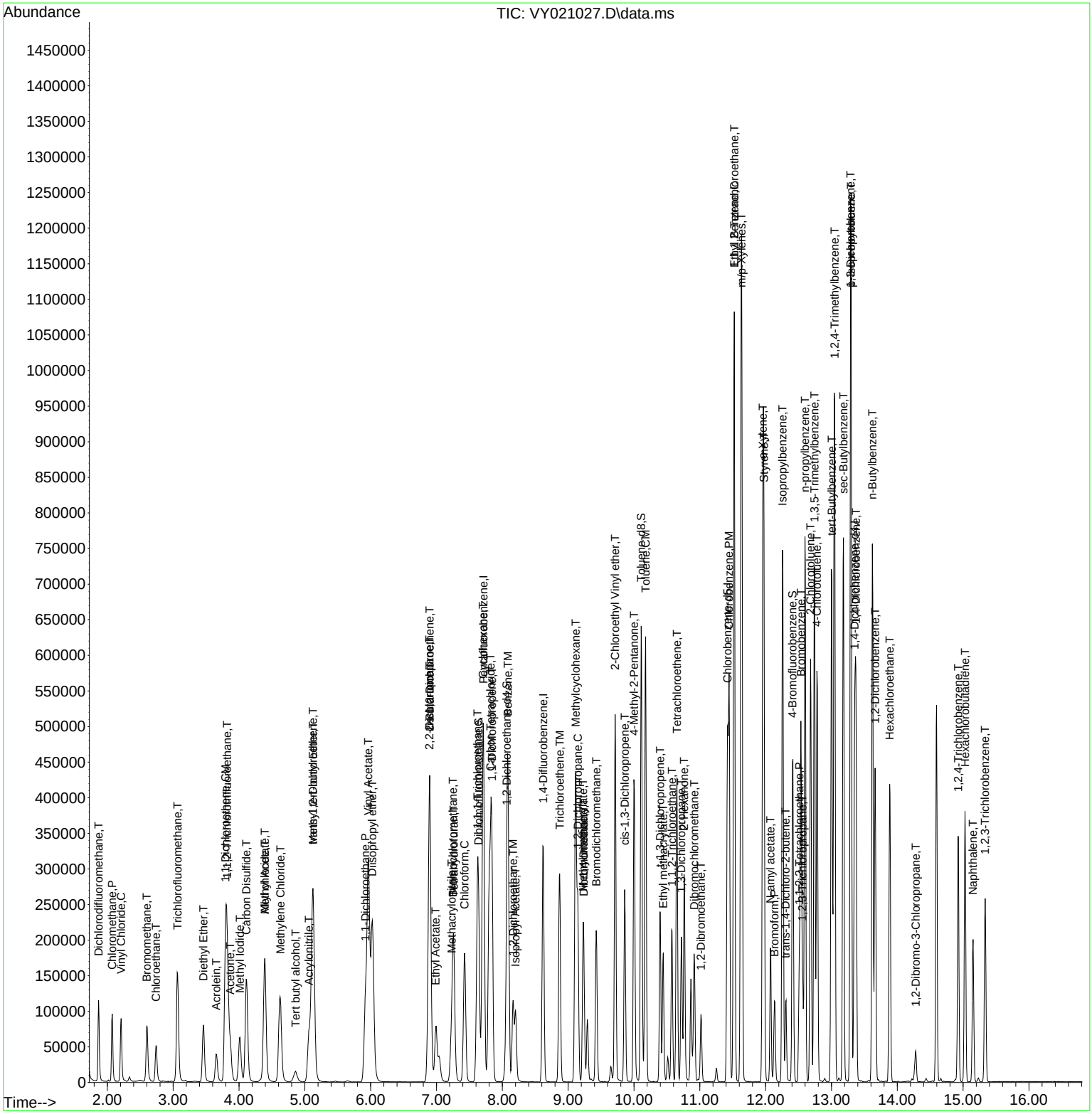
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

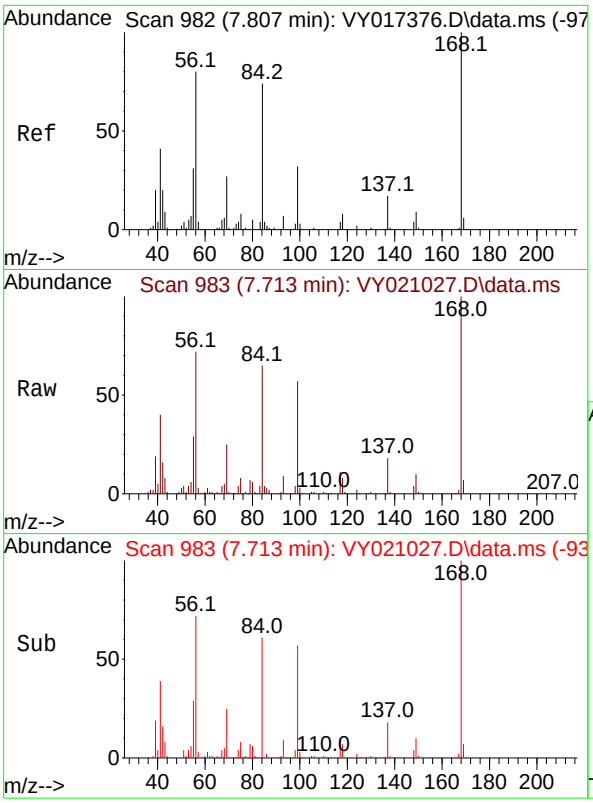
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
Data File : VY021027.D
Acq On : 03 Feb 2025 13:37
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Quant Time: Feb 04 00:48:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



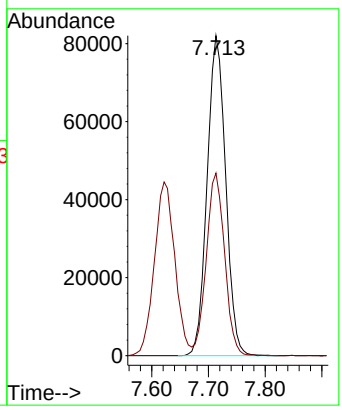


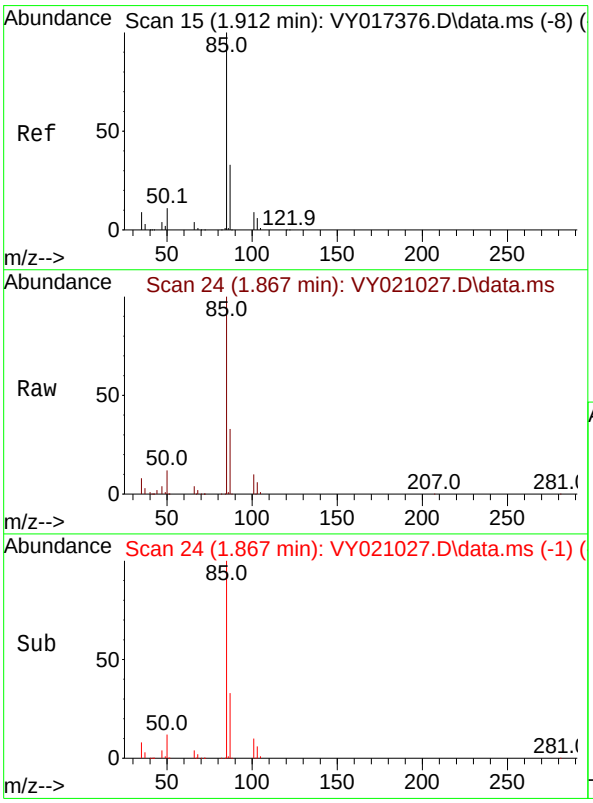

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:168 Resp: 186133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.0 | 44.2 | 66.4 |

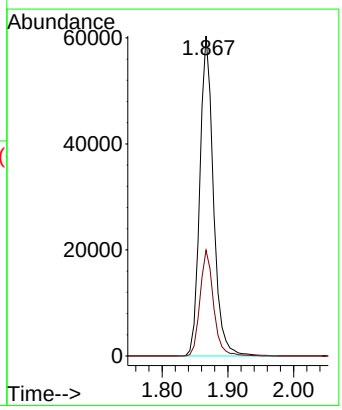


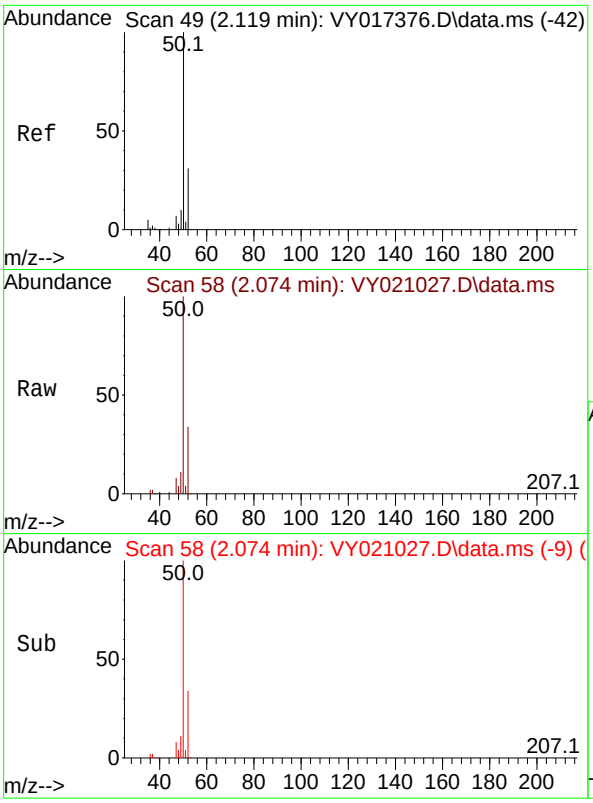




#2
Dichlorodifluoromethane
Concen: 52.290 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 85 Resp: 86748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 17.1 | 51.3 |



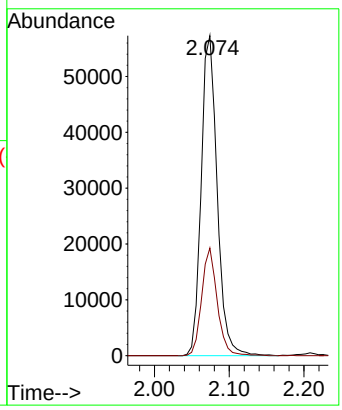


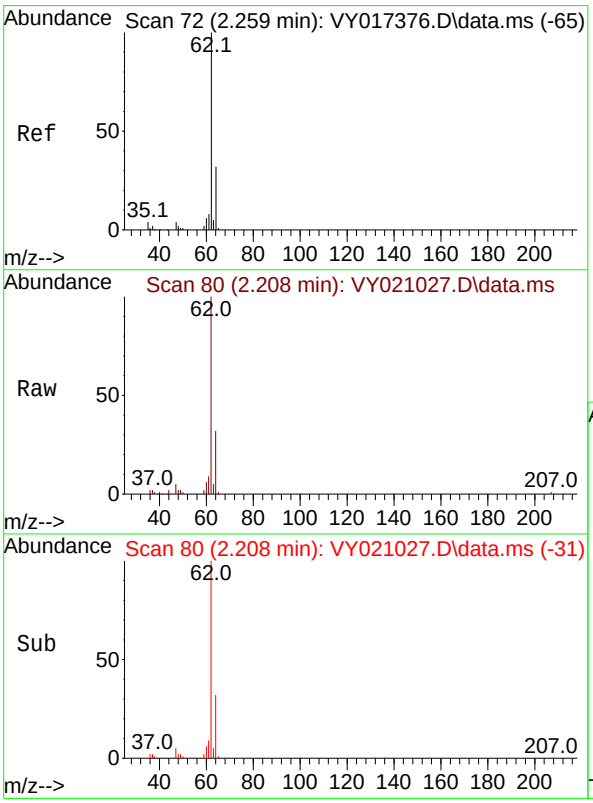

#3
Chloromethane
Concen: 52.006 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 50 Resp: 85135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.7 | 26.7 | 40.1 |

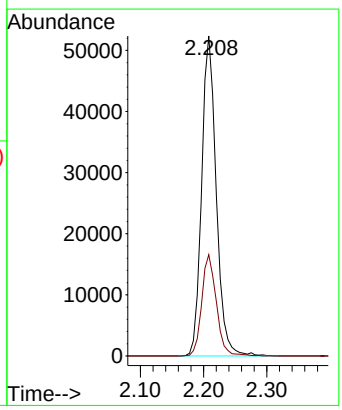


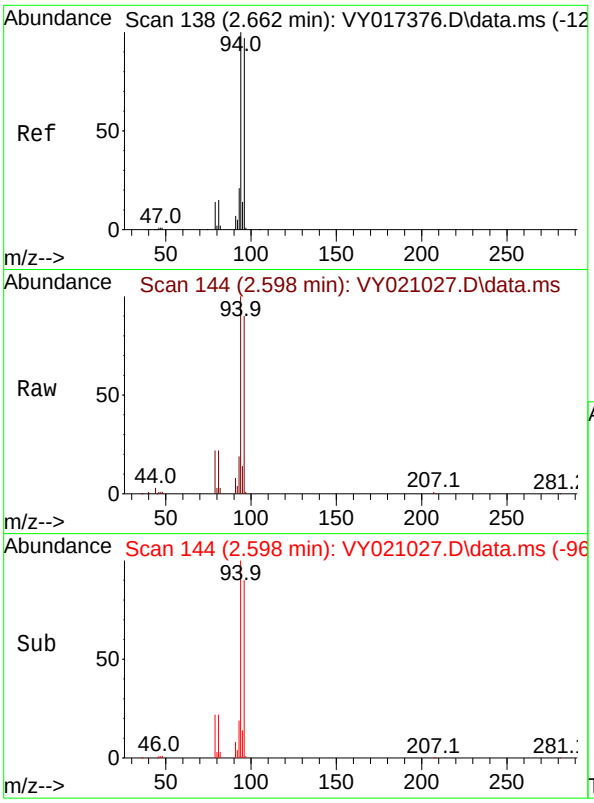




#4
Vinyl Chloride
Concen: 51.058 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 62 Resp: 84130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.6 | 25.7 | 38.5 |



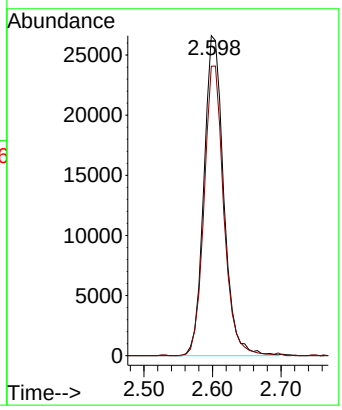


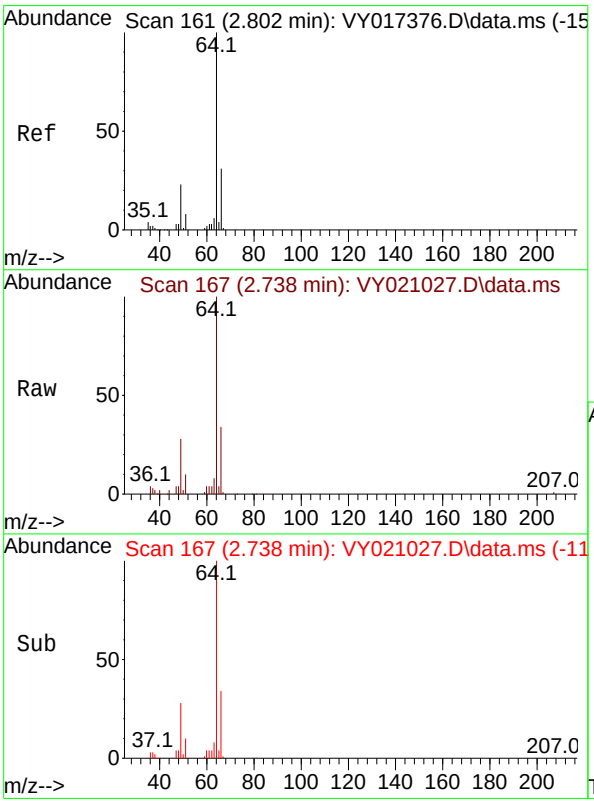

#5
Bromomethane
Concen: 52.624 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 94 Resp: 53592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.5 | 77.3 | 115.9 |

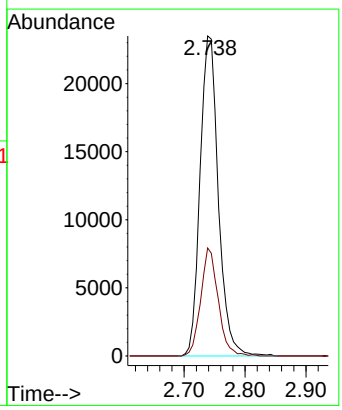


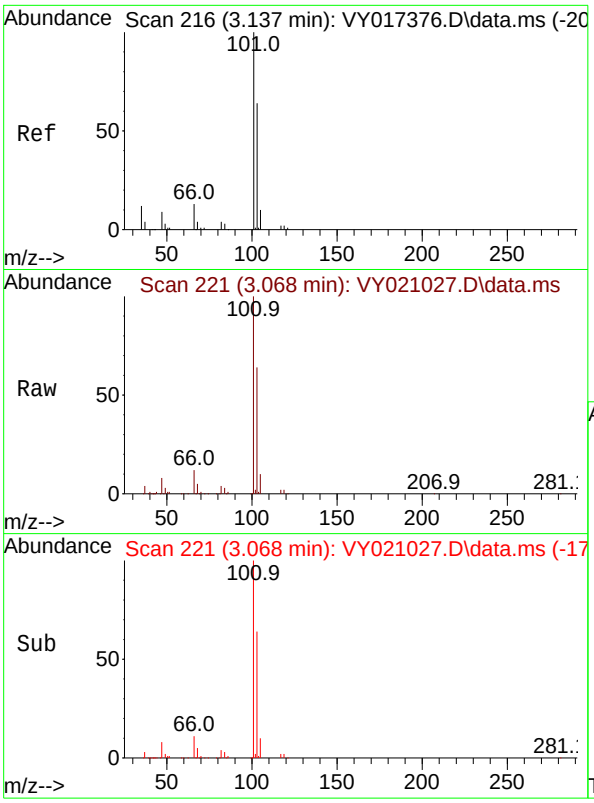




#6
Chloroethane
Concen: 49.925 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 64 Resp: 48969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.8 | 25.1 | 37.7 |



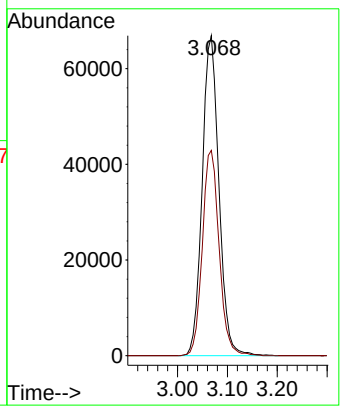


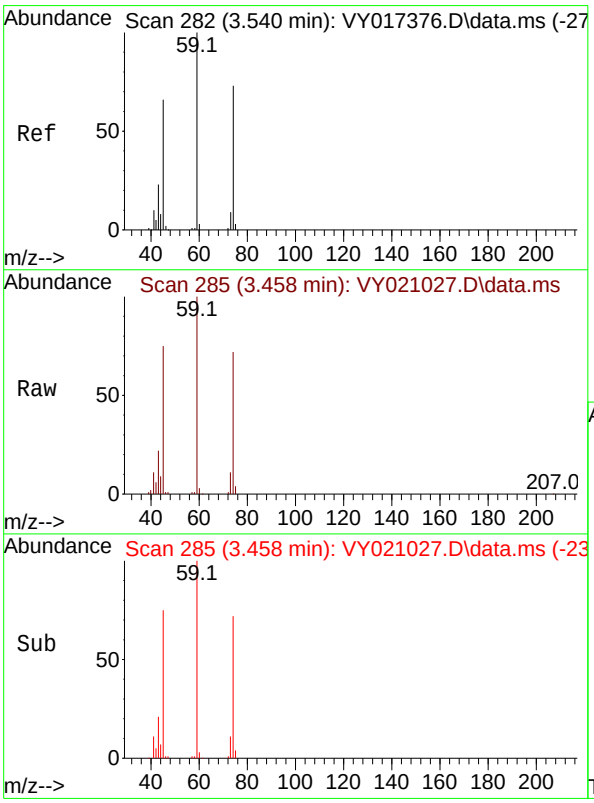

#7
Trichlorofluoromethane
Concen: 51.864 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:101 Resp: 155690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.2 | 51.9 | 77.9 |

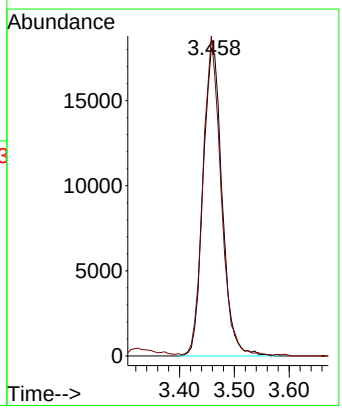


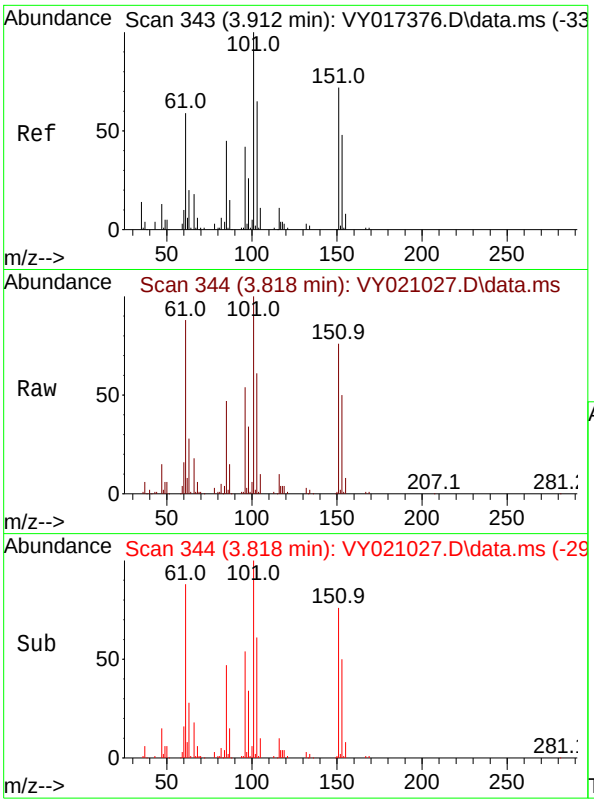




#8
Diethyl Ether
Concen: 46.708 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 74 Resp: 43771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 98.4 | 47.9 | 143.7 |



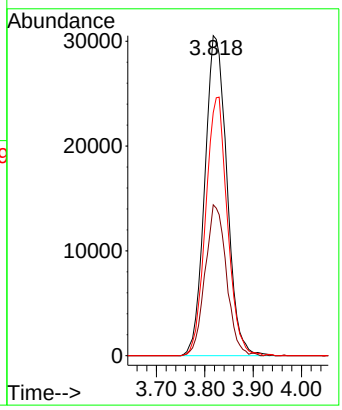


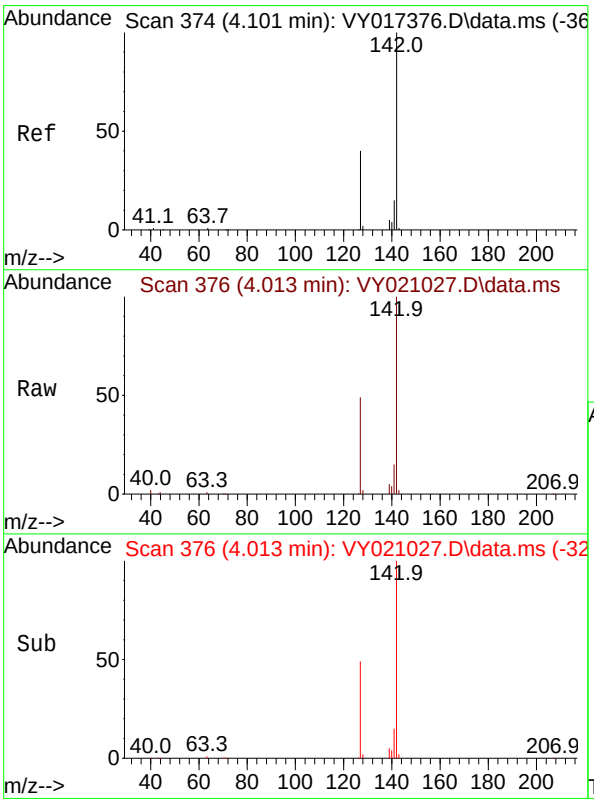

#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.507 ug/l
RT: 3.818 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:101 Resp: 97040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.5 | 35.8 | 53.6 |
| 151 | 79.3 | 58.6 | 88.0 |

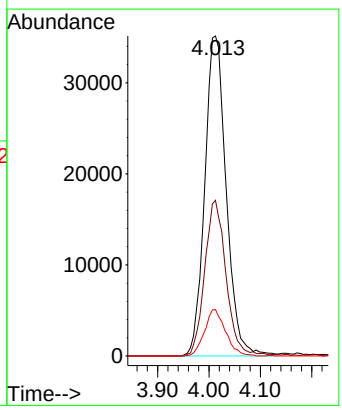


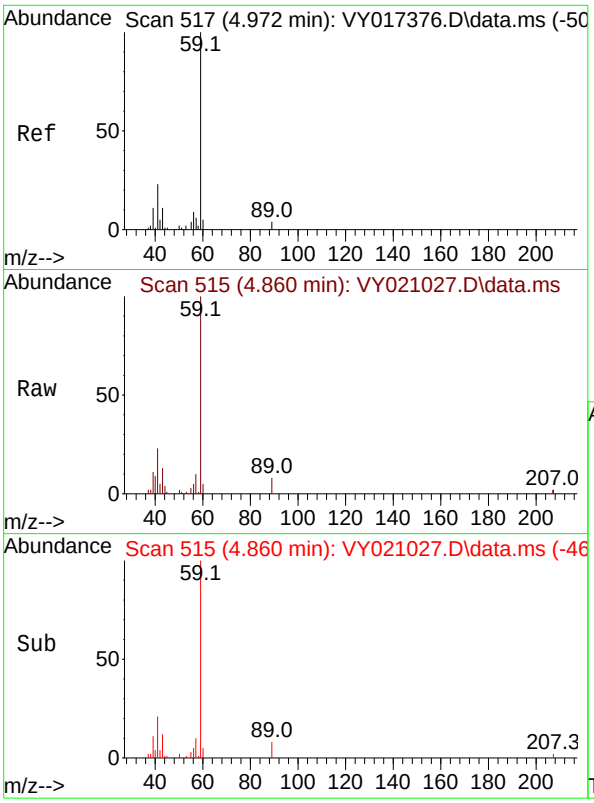




#10
Methyl Iodide
Concen: 48.858 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:142 Resp: 102264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.1 | 35.1 | 52.7 |
| 141 | 14.2 | 11.8 | 17.6 |



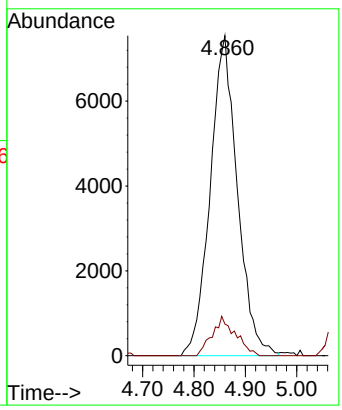


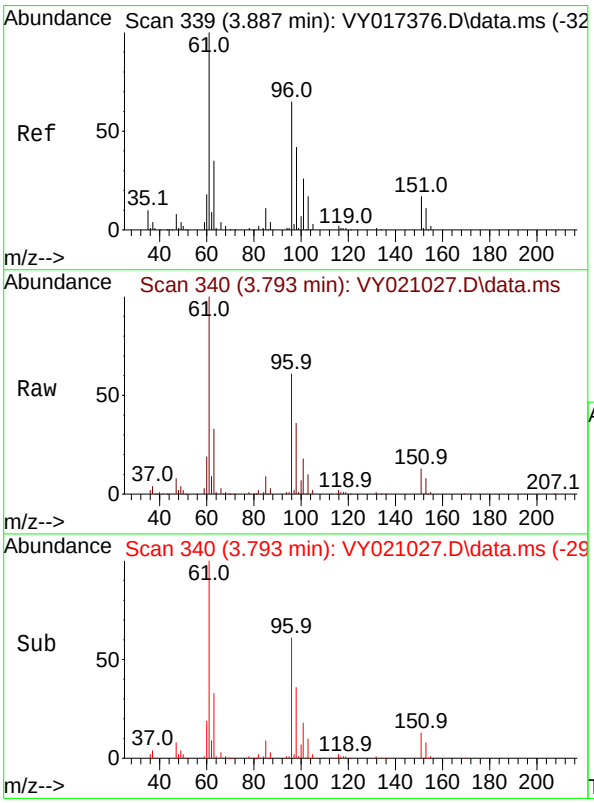

#11
Tert butyl alcohol
Concen: 214.161 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 59 Resp: 27677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 7.4 | 11.0 |

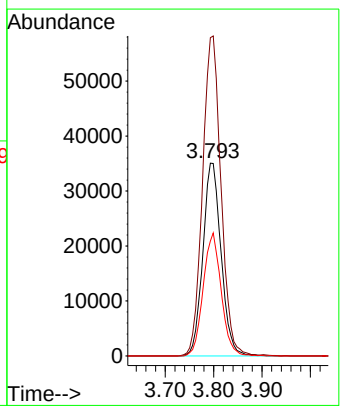


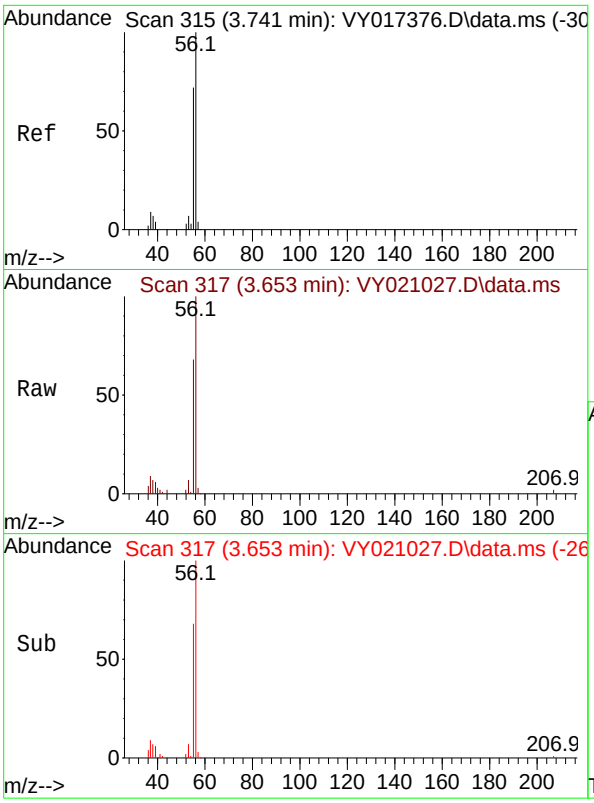




#12
1,1-Dichloroethene
Concen: 51.810 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 96 Resp: 91949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.0 | 124.2 | 186.2 |
| 98 | 59.6 | 52.6 | 79.0 |



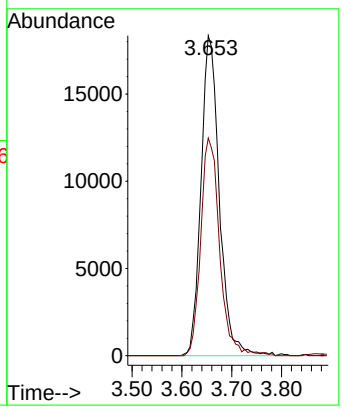


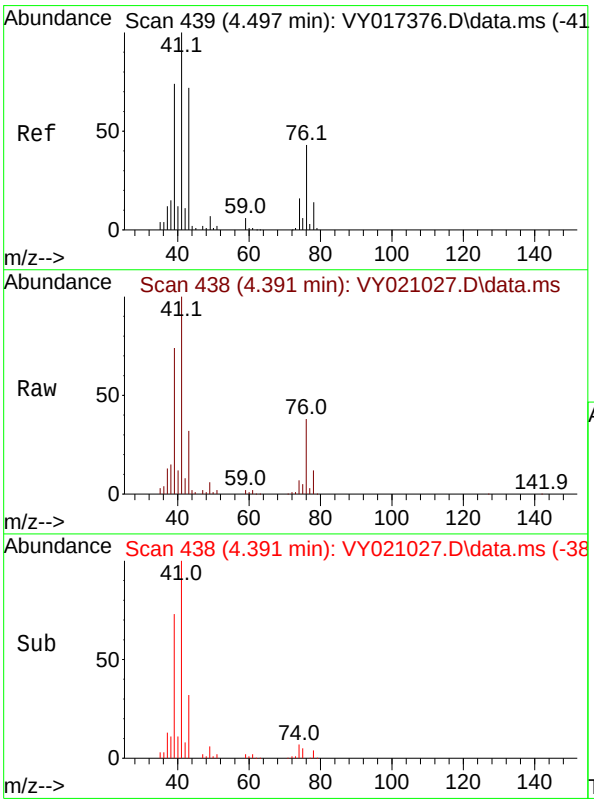

#13
Acrolein
Concen: 235.305 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 56 Resp: 46827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.5 | 55.4 | 83.0 |

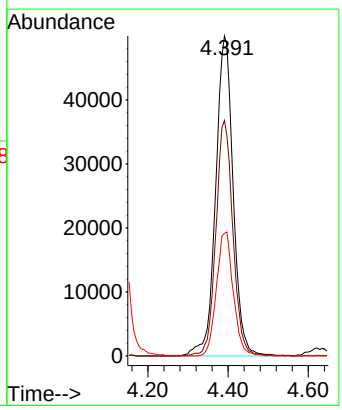


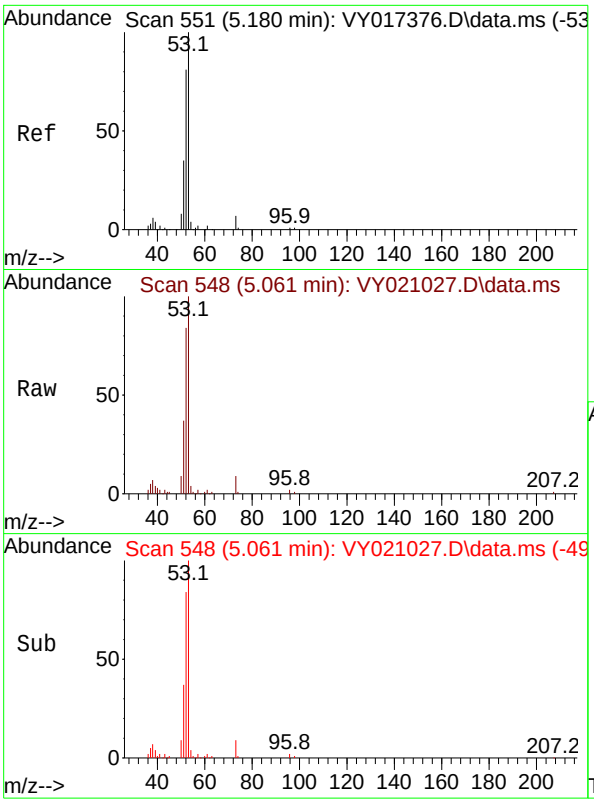




#14
Allyl chloride
Concen: 50.663 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 151536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.4 | 54.7 | 82.1 |
| 76 | 37.3 | 31.8 | 47.6 |



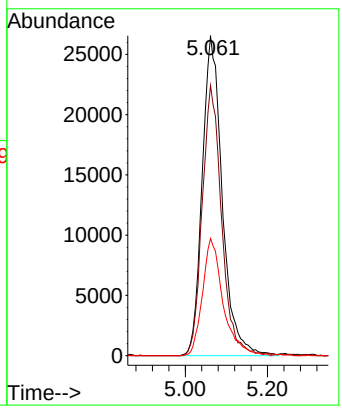


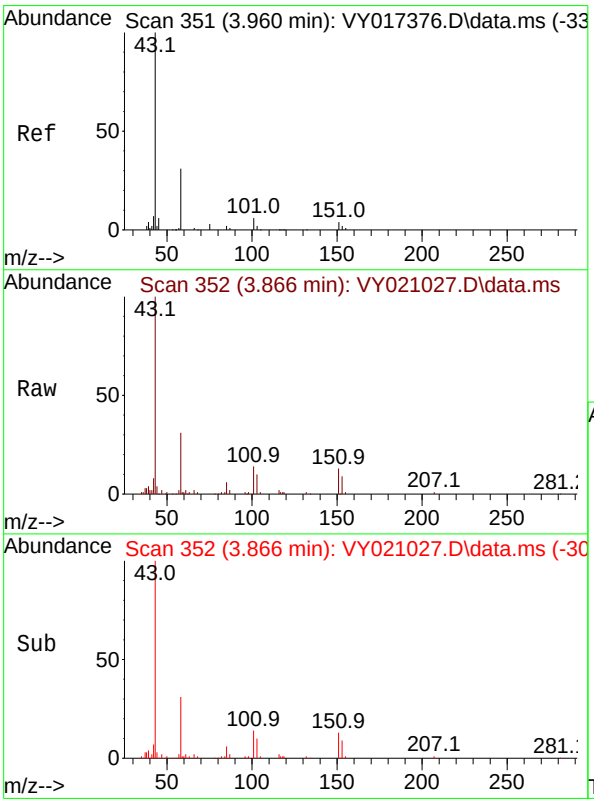

#15
Acrylonitrile
Concen: 230.328 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 53 Resp: 89881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.3 | 65.1 | 97.7 |
| 51 | 37.6 | 29.0 | 43.4 |

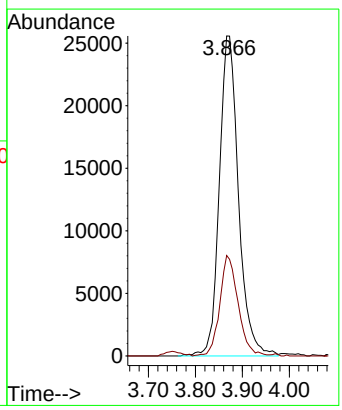


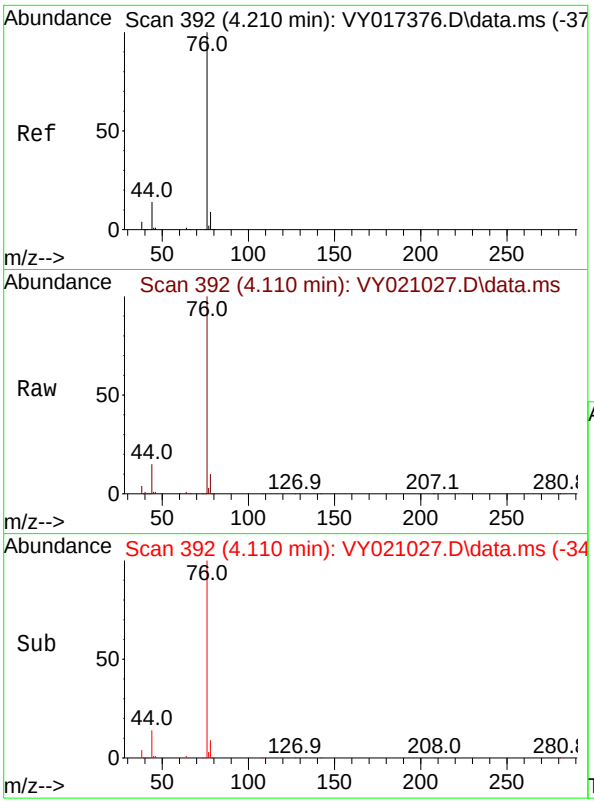




#16
Acetone
Concen: 243.997 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 72566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.0 | 26.6 | 39.8 |



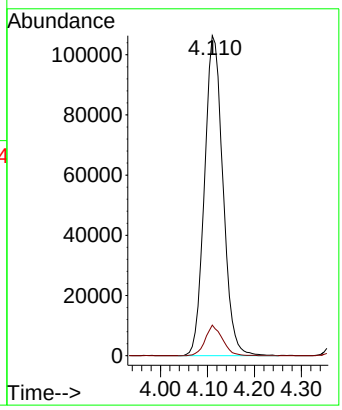


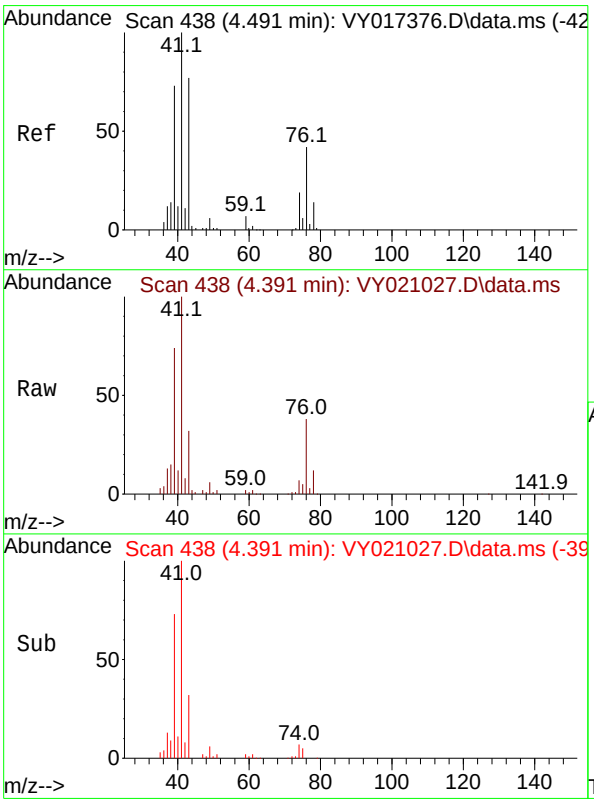

#17
Carbon Disulfide
Concen: 52.004 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 76 Resp: 289409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.4 | 11.0 |

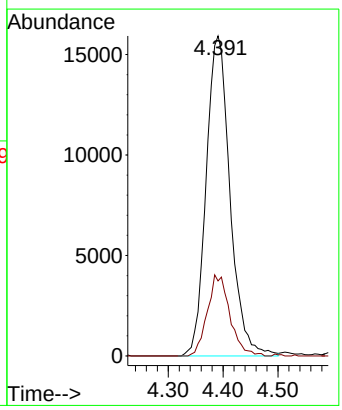


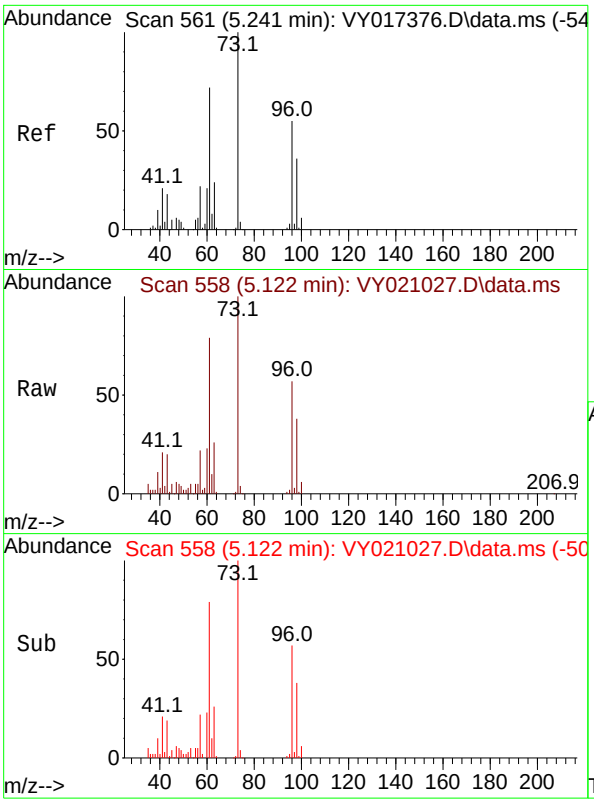




#18
Methyl Acetate
Concen: 46.031 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 48057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.9 | 19.8 | 29.6 |



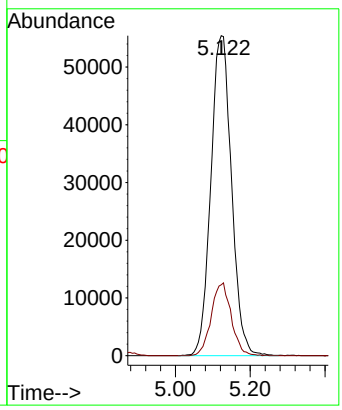


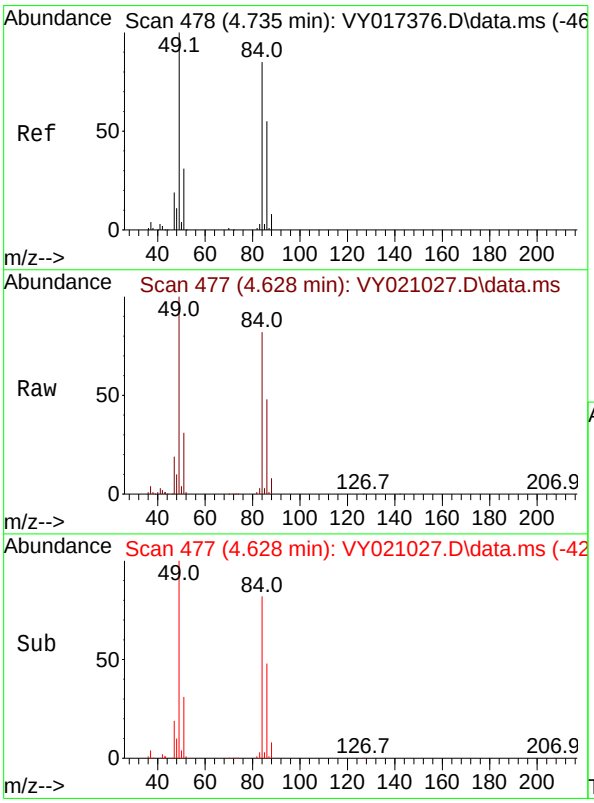

#19
Methyl tert-butyl Ether
Concen: 47.538 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 73 Resp: 213244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.7 | 26.5 |

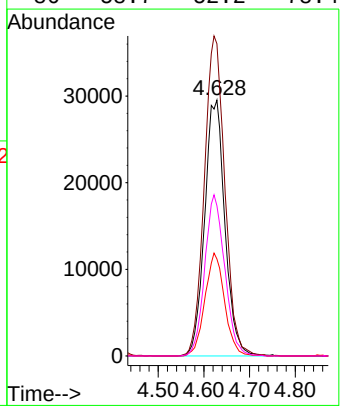


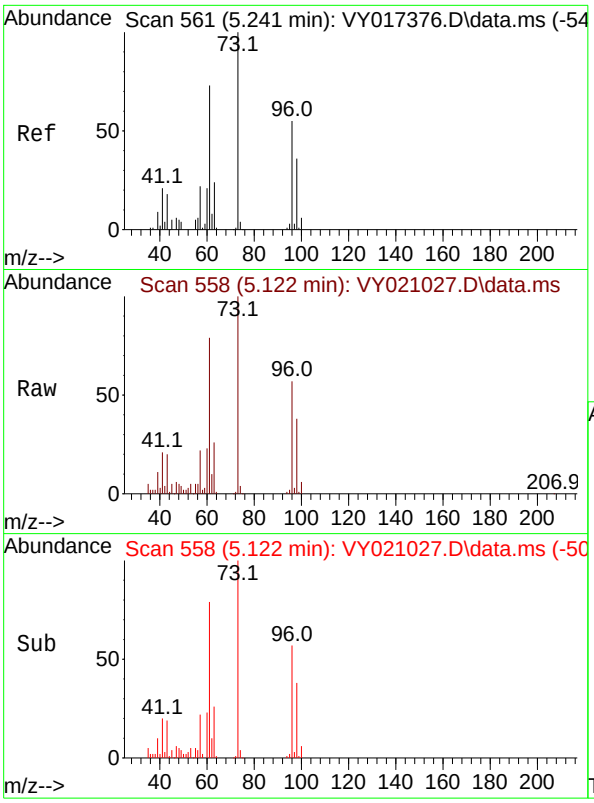




#20
Methylene Chloride
Concen: 49.414 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 84 Resp: 91358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 122.0 | 95.2 | 142.8 |
| 51 | 37.9 | 29.9 | 44.9 |
| 86 | 58.7 | 52.2 | 78.4 |



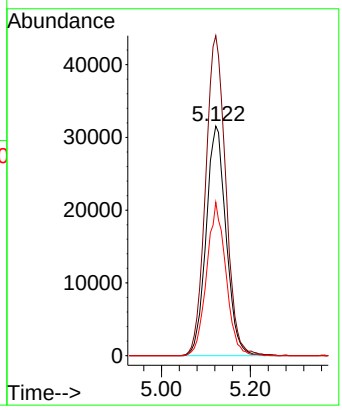


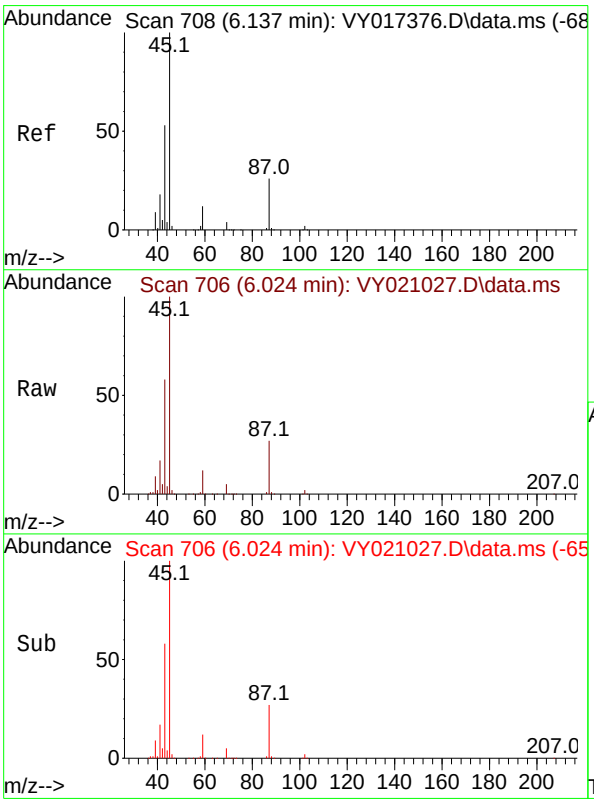

#21
trans-1,2-Dichloroethene
Concen: 50.506 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 96 Resp: 98665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.4 | 104.6 | 156.8 |
| 98 | 66.8 | 50.9 | 76.3 |

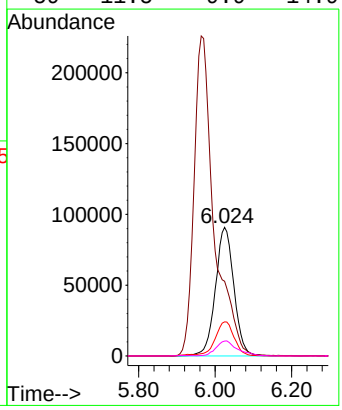


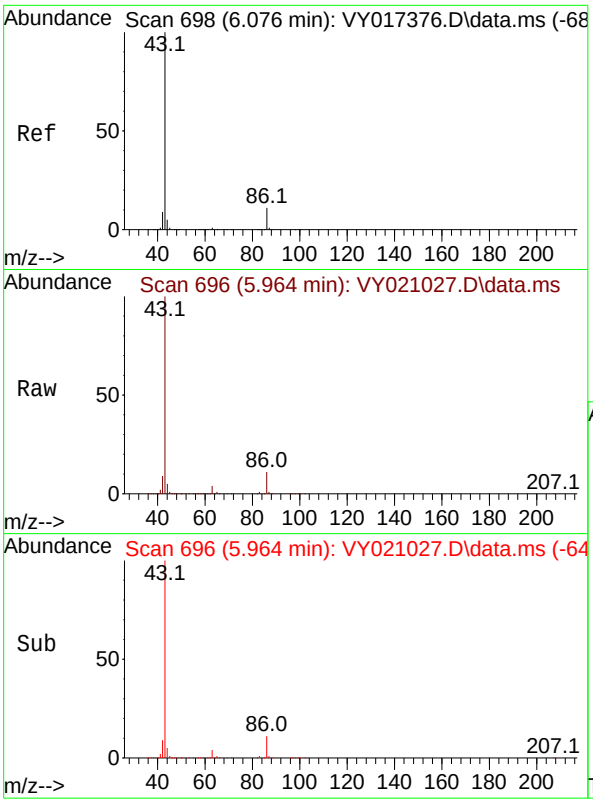




#22
Diisopropyl ether
Concen: 49.407 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 45 Resp: 304603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 57.5 | 46.8 | 70.2 |
| 87 | 26.5 | 22.2 | 33.2 |
| 59 | 11.5 | 9.9 | 14.9 |



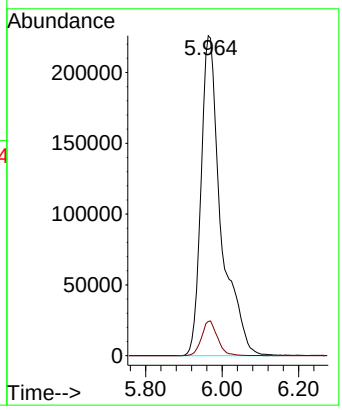


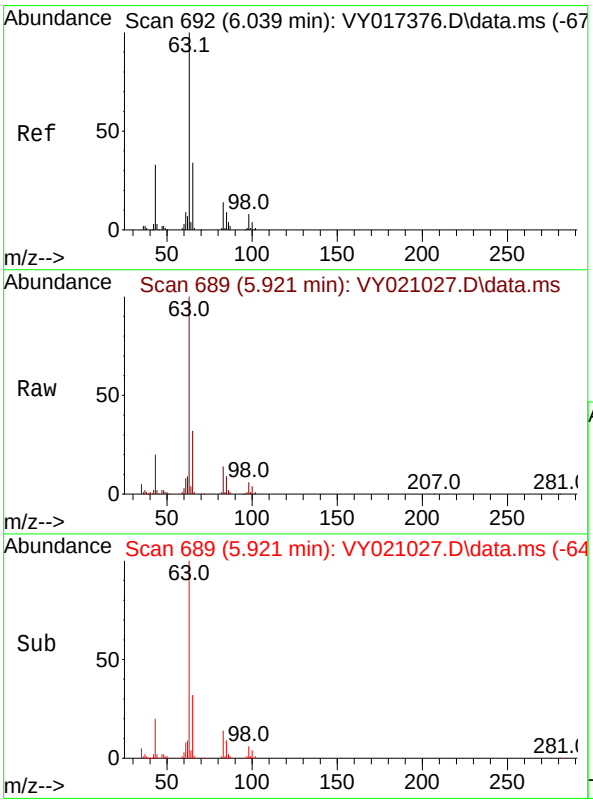

#23
Vinyl Acetate
Concen: 238.370 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 43 Resp: 819243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.7 | 8.6 | 13.0 |

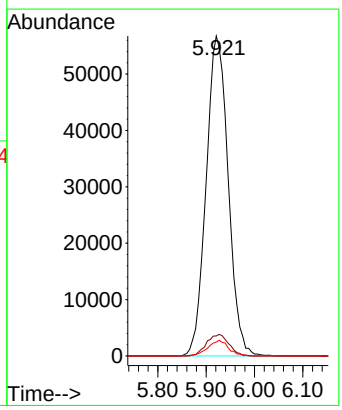


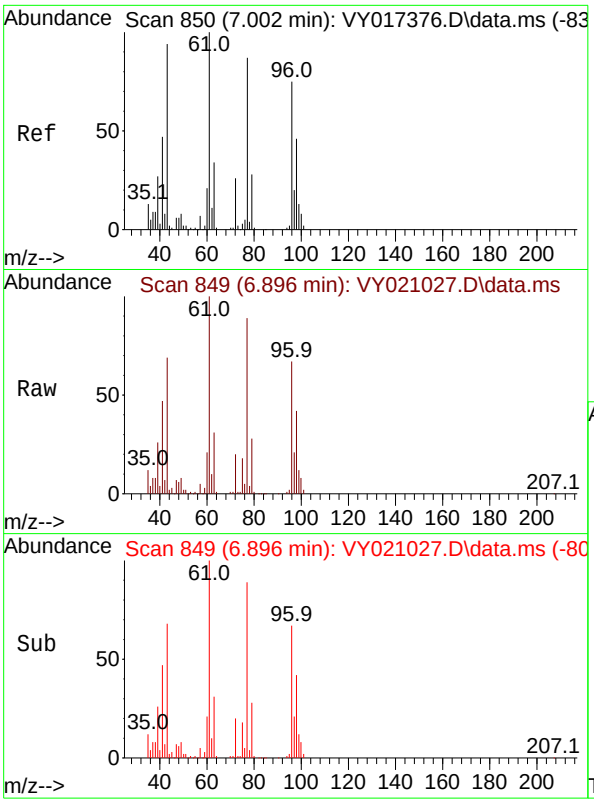




#24
1,1-Dichloroethane
Concen: 49.806 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 179904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.2 | 3.8 | 11.4 |
| 100 | 4.4 | 2.1 | 6.2 |



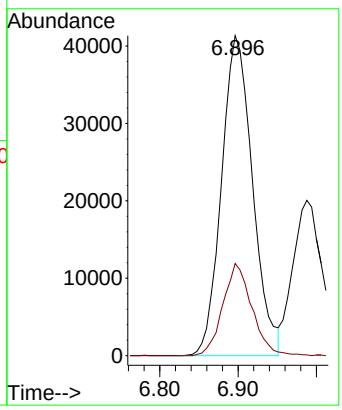


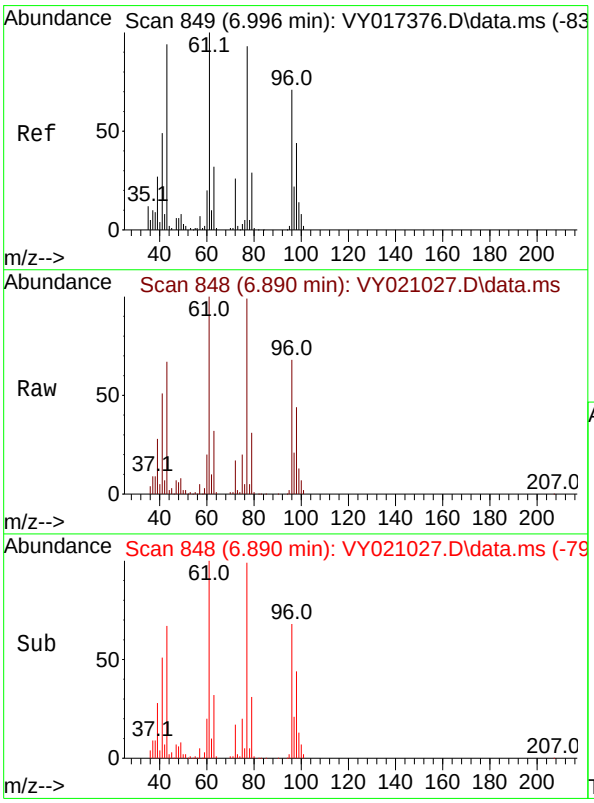

#25
2-Butanone
Concen: 233.503 ug/l
RT: 6.896 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 43 Resp: 114117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.8 | 21.4 | 32.2 |

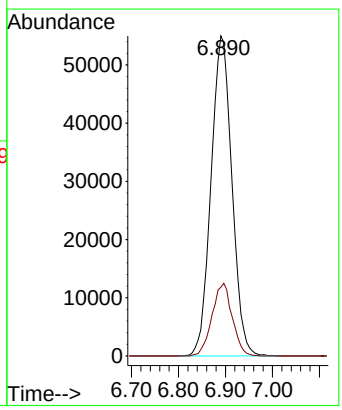


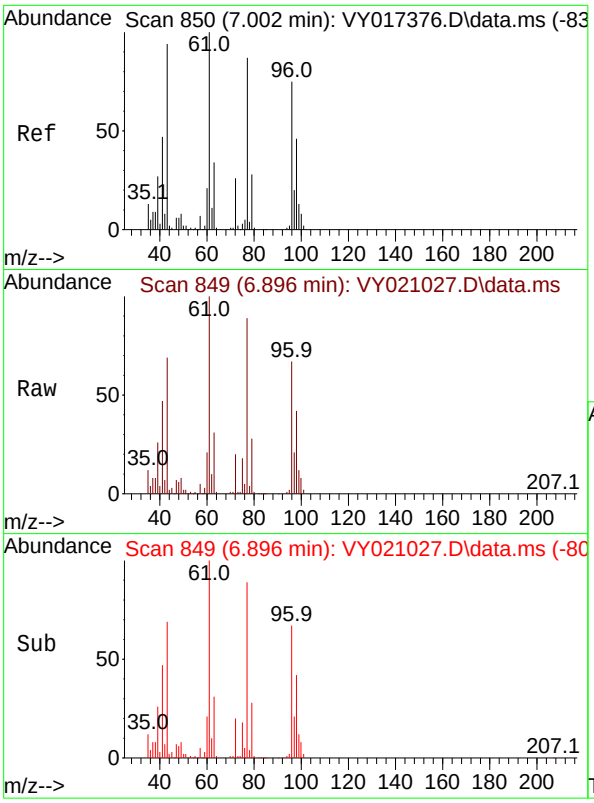




#26
2,2-Dichloropropane
Concen: 50.791 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 77 Resp: 169757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.9 | 11.7 | 35.0 |



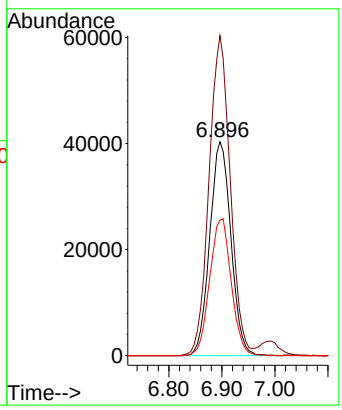


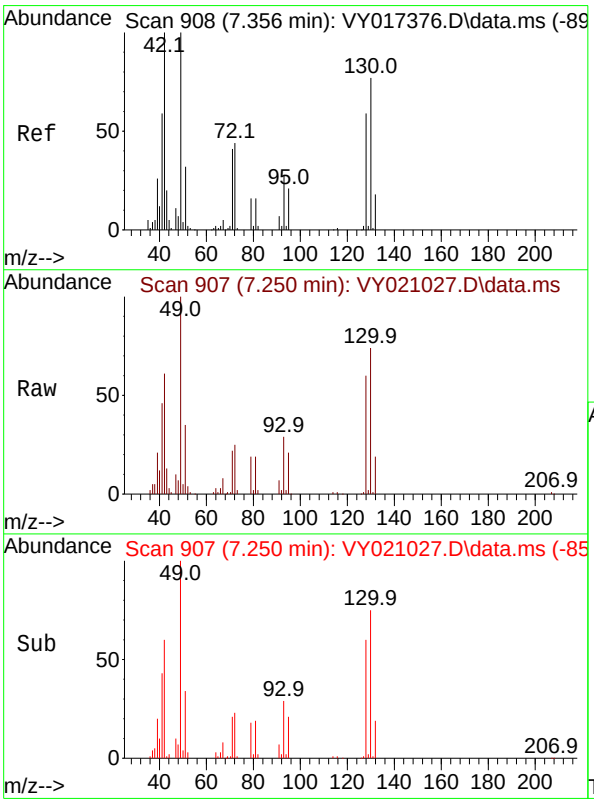

#27
cis-1,2-Dichloroethene
Concen: 49.785 ug/l
RT: 6.896 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 96 Resp: 111947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.6 | 0.0 | 278.8 |
| 98 | 65.1 | 0.0 | 127.0 |

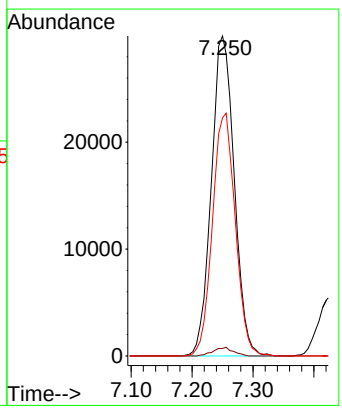


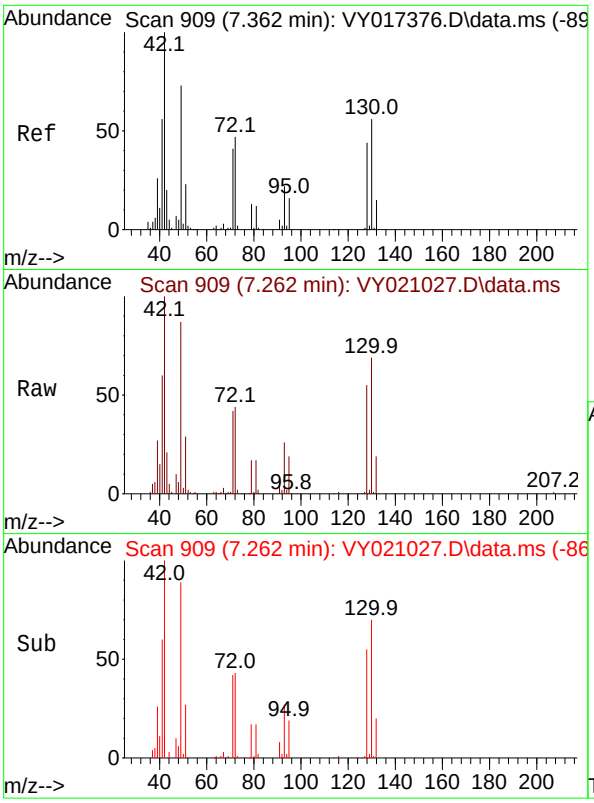




#28
Bromochloromethane
Concen: 54.731 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 49 Resp: 78173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.4 | 0.0 | 3.8 |
| 130 | 75.7 | 59.8 | 89.8 |



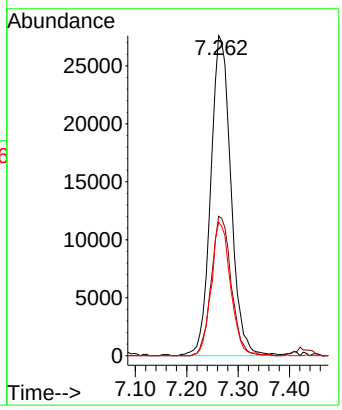


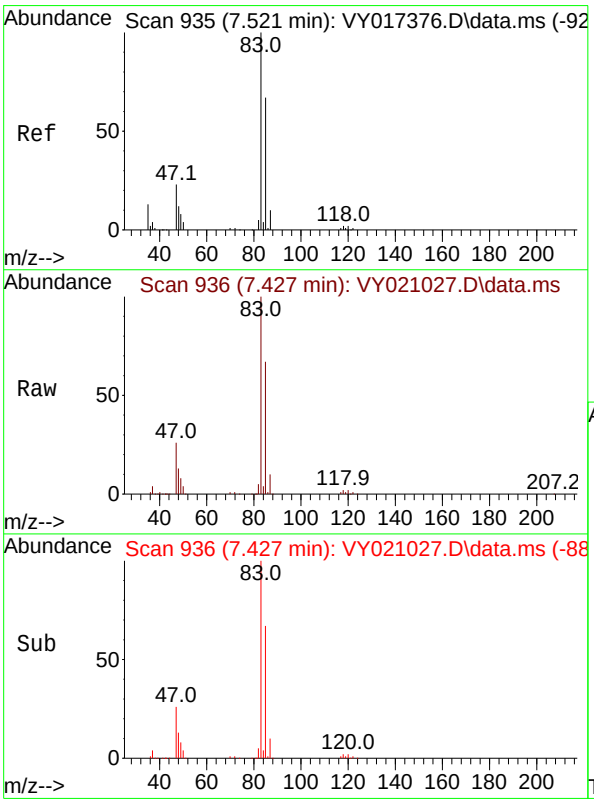

#29
Tetrahydrofuran
Concen: 228.139 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 42 Resp: 75445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.8 | 36.6 | 54.8 |
| 71 | 39.7 | 33.8 | 50.6 |

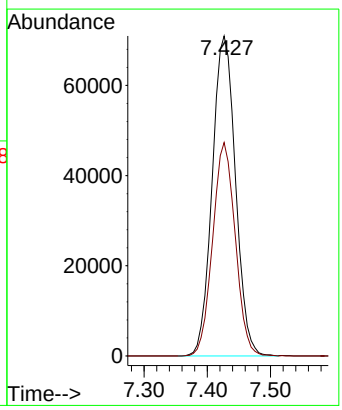


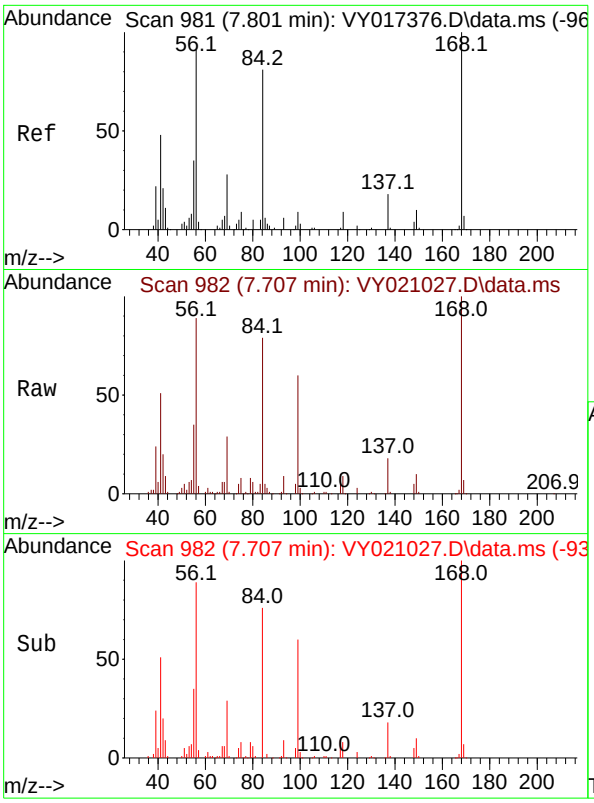




#30
Chloroform
Concen: 48.846 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 83 Resp: 181229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.7 | 51.2 | 76.8 |



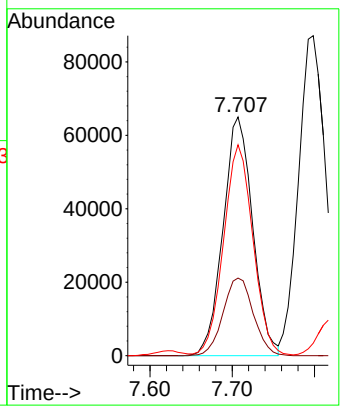


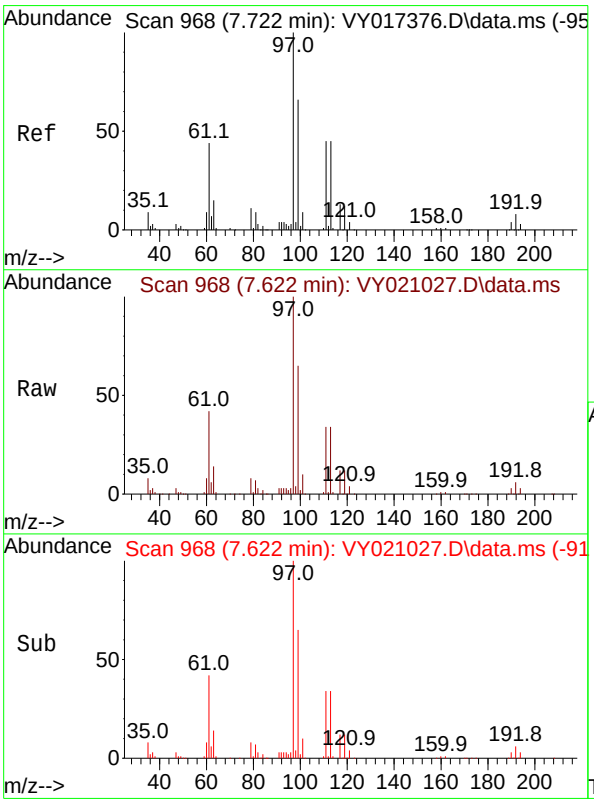

#31
Cyclohexane
Concen: 50.051 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 56 Resp: 162806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.5 | 27.0 | 40.6 |
| 84 | 86.9 | 71.8 | 107.6 |

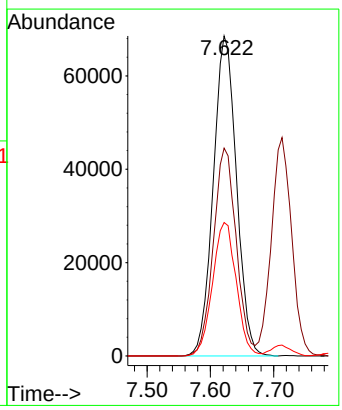


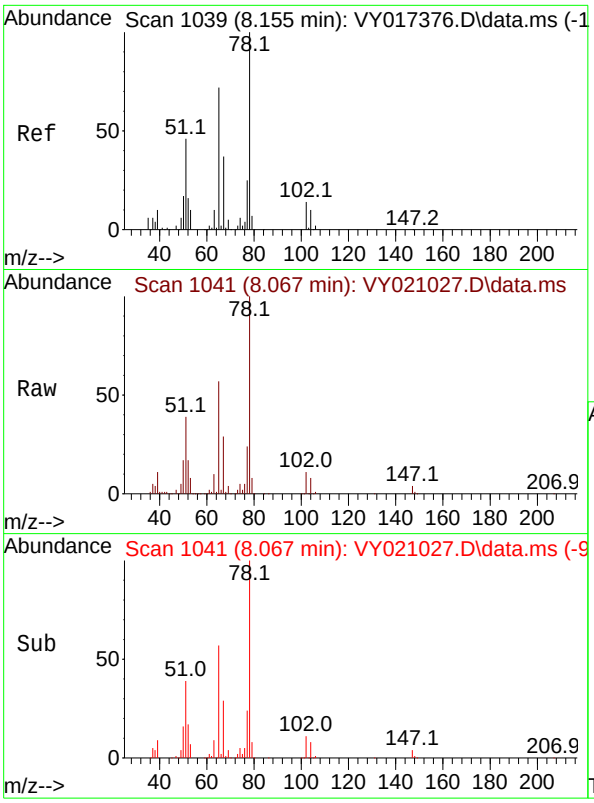




#32
1,1,1-Trichloroethane
Concen: 50.620 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 97 Resp: 174612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 51.2 | 76.8 |
| 61 | 42.6 | 35.0 | 52.6 |



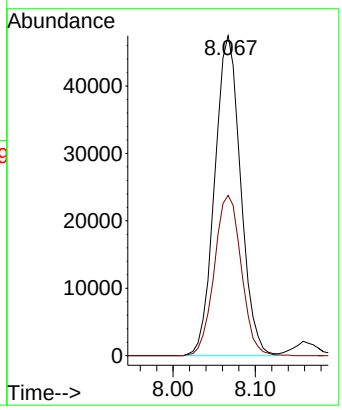


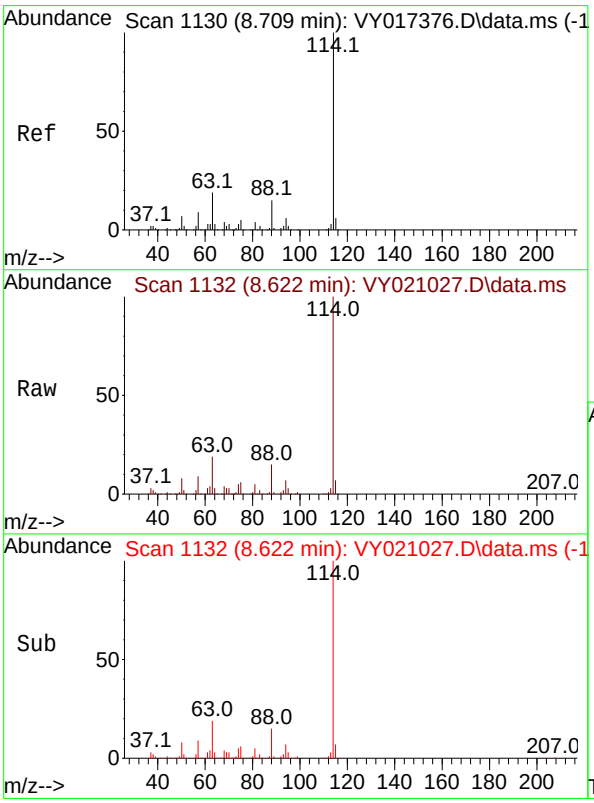

#33
1,2-Dichloroethane-d4
Concen: 54.604 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 65 Resp: 104134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 109.0 |

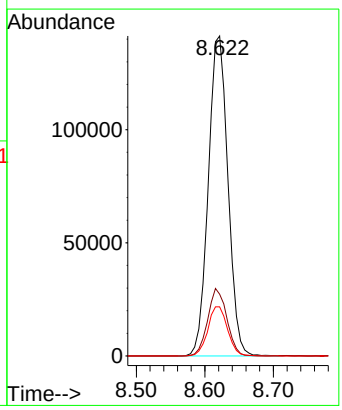


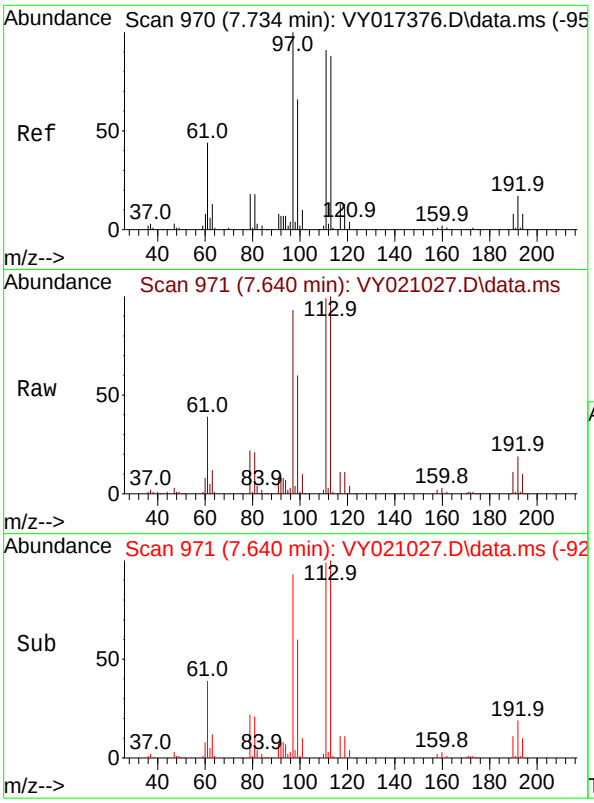




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:114 Resp: 280950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.3 | 0.0 | 37.4 |
| 88 | 15.4 | 0.0 | 29.0 |



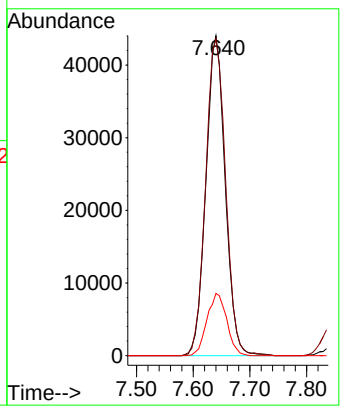


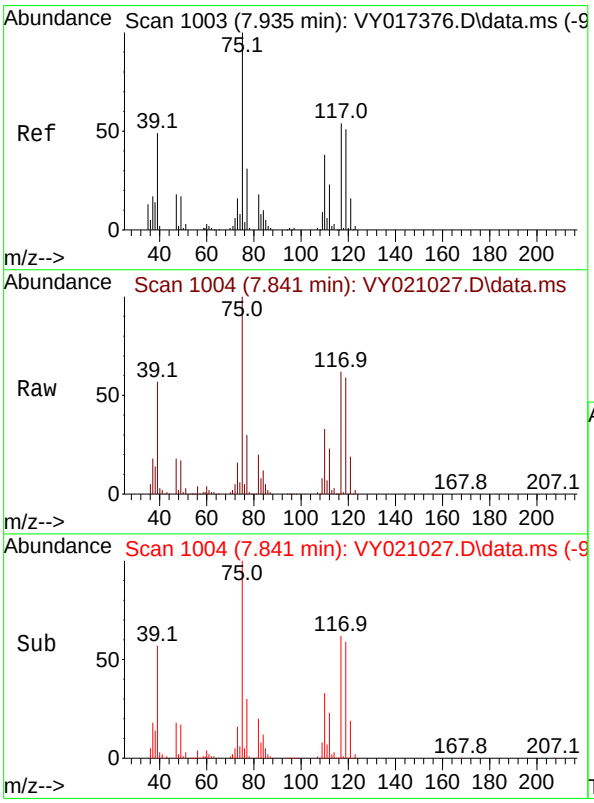

#35
Dibromofluoromethane
Concen: 57.790 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:113 Resp: 104051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 83.8 | 125.6 |
| 192 | 20.0 | 14.5 | 21.7 |

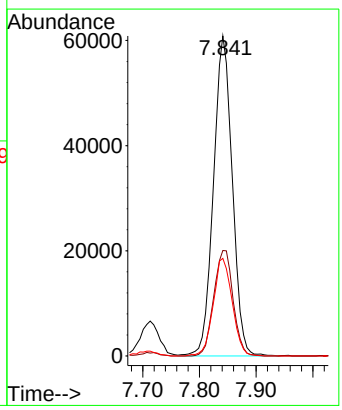


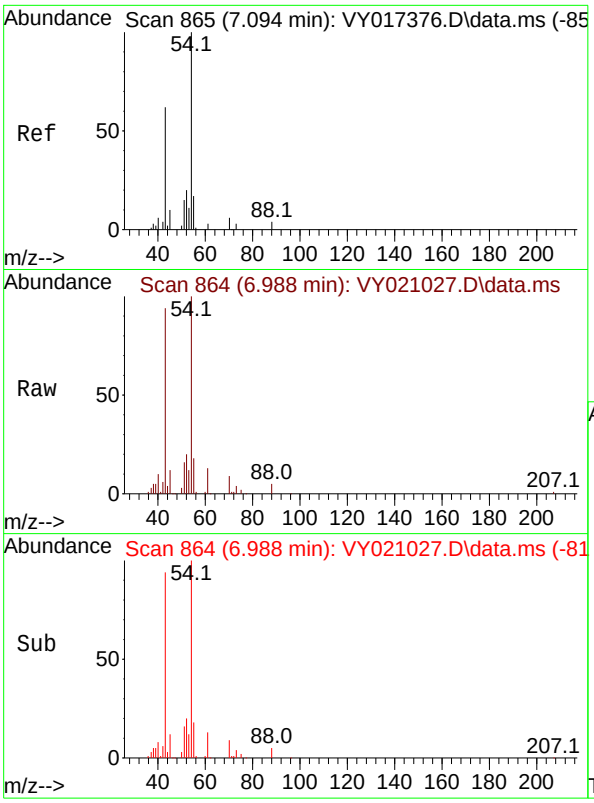




#36
1,1-Dichloropropene
Concen: 52.625 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 140344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 17.4 | 52.3 |
| 77 | 30.7 | 24.7 | 37.1 |



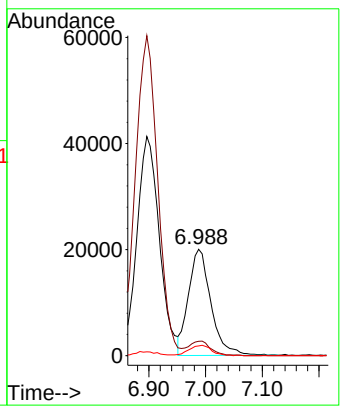


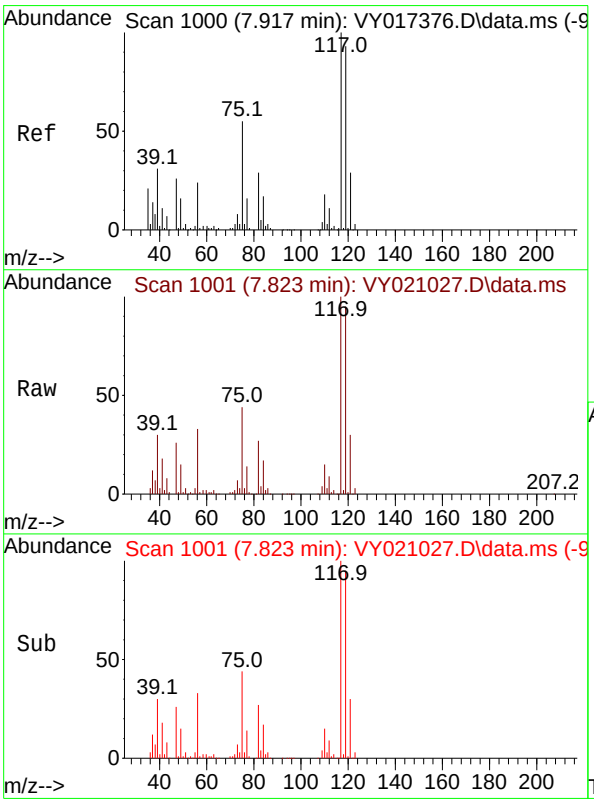

#37
Ethyl Acetate
Concen: 47.006 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 43 Resp: 54994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.8 | 11.0 | 16.6 |
| 70 | 9.7 | 8.1 | 12.1 |

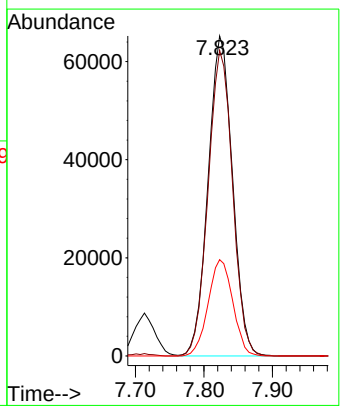


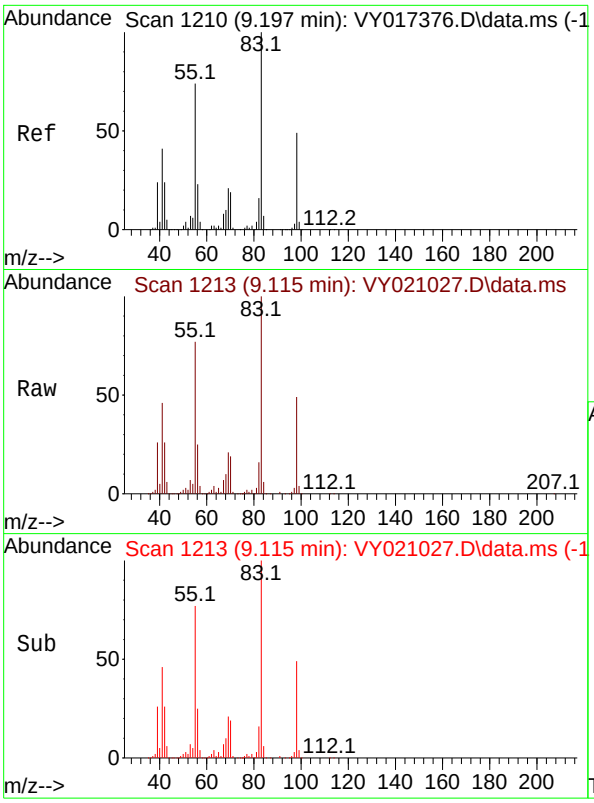




#38
Carbon Tetrachloride
Concen: 51.711 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 161137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 76.0 | 114.0 |
| 121 | 30.1 | 24.2 | 36.2 |



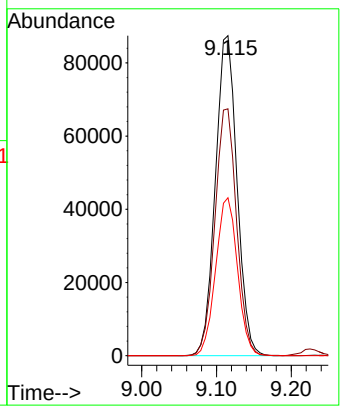


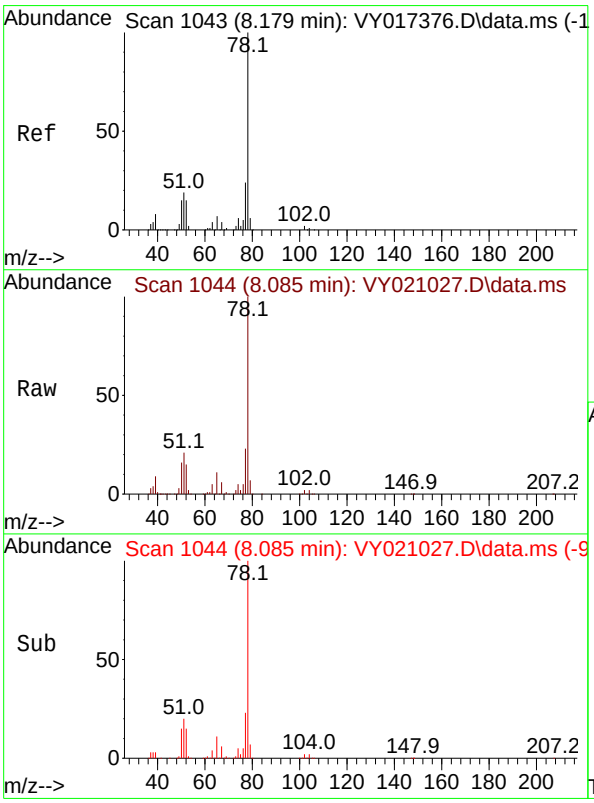

#39
Methylcyclohexane
Concen: 54.123 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 83 Resp: 176554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.1 | 59.7 | 89.5 |
| 98 | 49.4 | 38.0 | 57.0 |

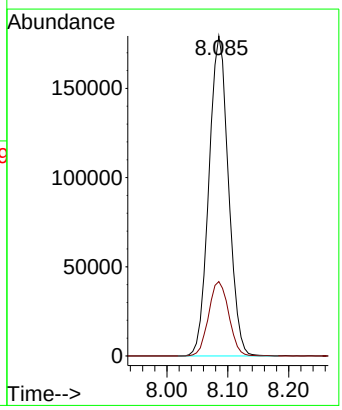


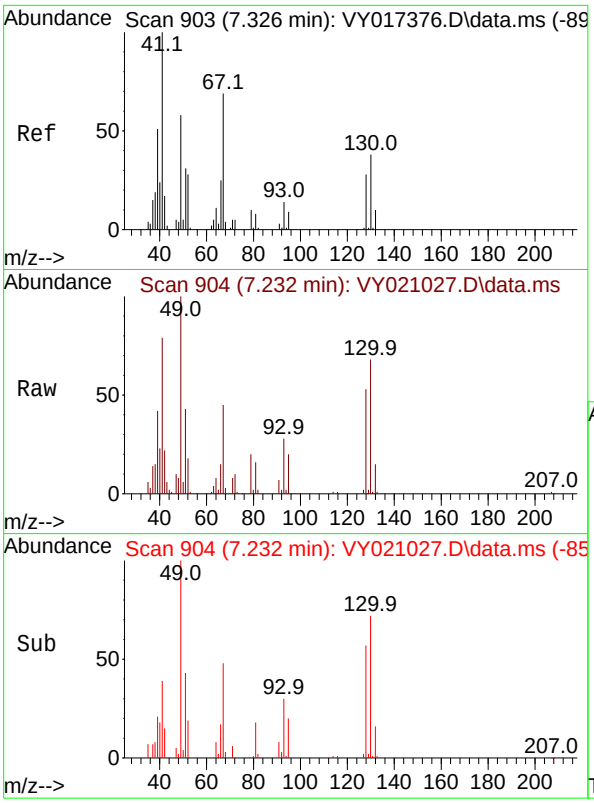




#40
Benzene
Concen: 51.052 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 78 Resp: 399547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.2 | 18.8 | 28.2 |



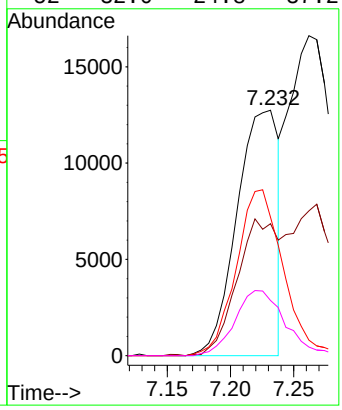


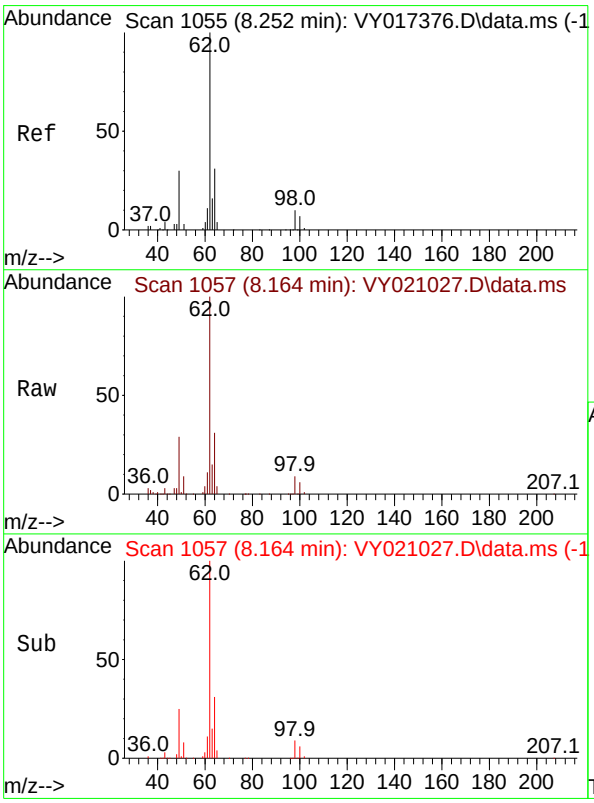

#41
Methacrylonitrile
Concen: 43.131 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 41 Resp: 29193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.8 | 41.9 | 62.9 |
| 67 | 76.7 | 59.8 | 89.6 |
| 52 | 32.0 | 24.8 | 37.2 |

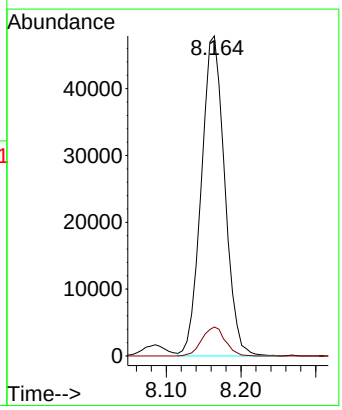


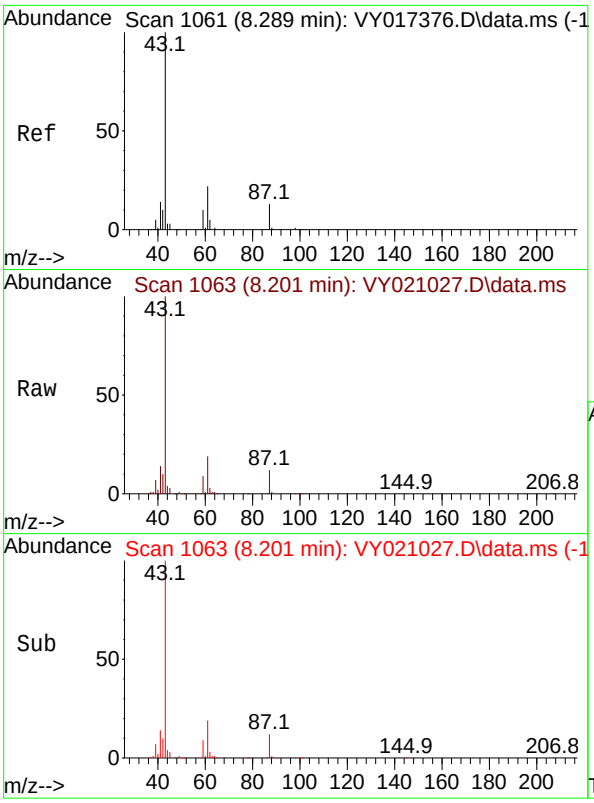




#42
1,2-Dichloroethane
Concen: 47.910 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 62 Resp: 104015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 20.2 |



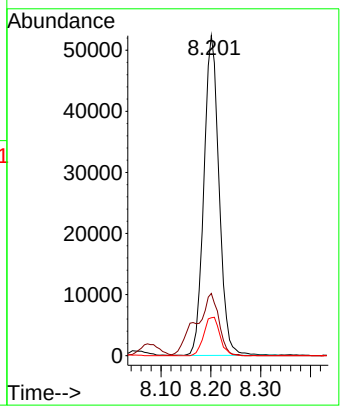


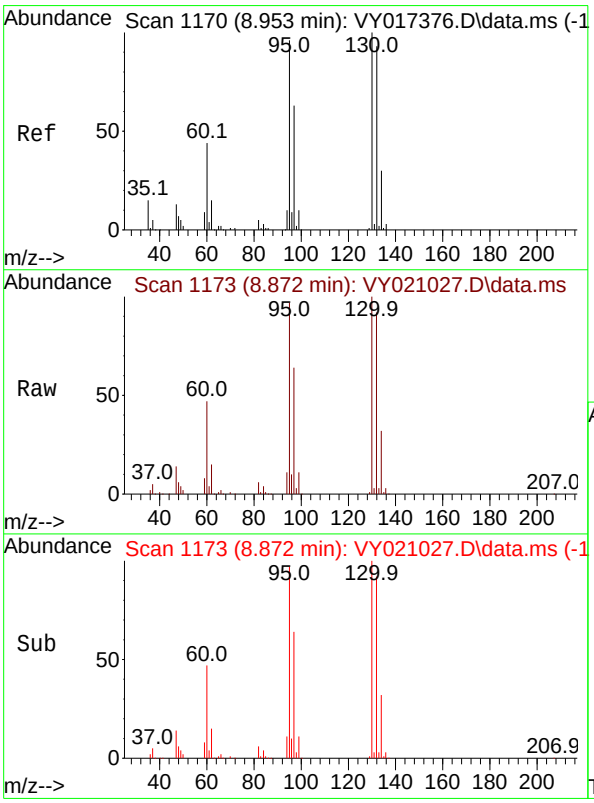

#43
Isopropyl Acetate
Concen: 47.523 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 43 Resp: 110476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 29.5 | 24.8 | 37.2 |
| 87 | 12.8 | 10.7 | 16.1 |

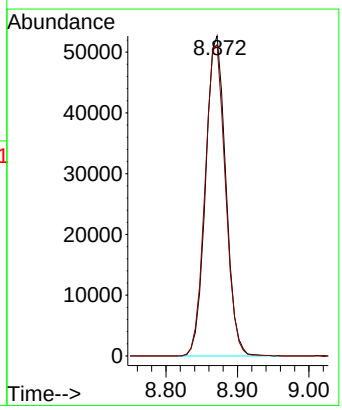


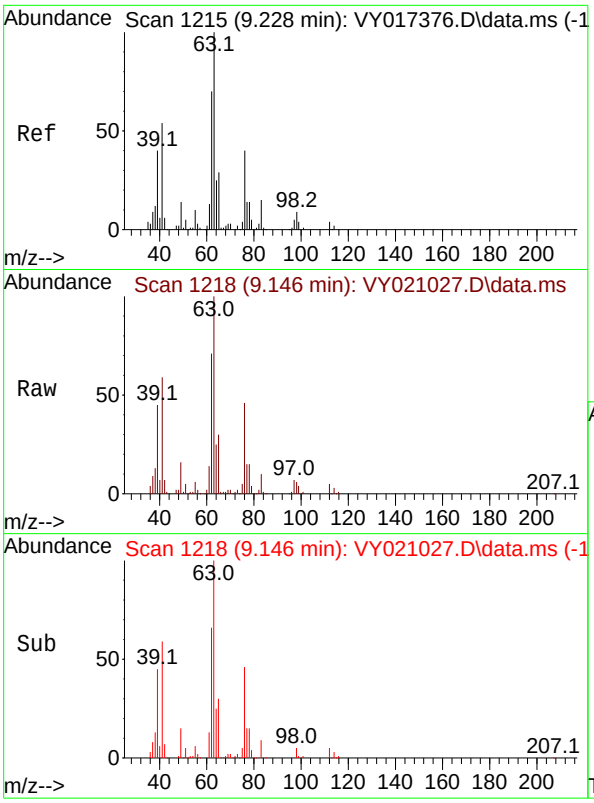




#44
Trichloroethene
Concen: 50.777 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:130 Resp: 102671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.2 | 0.0 | 203.8 |



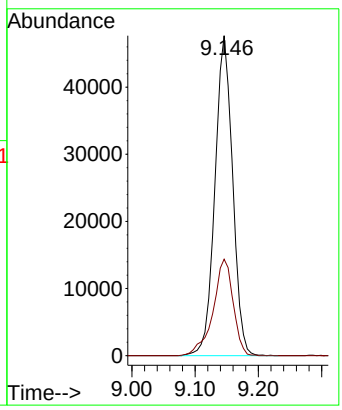


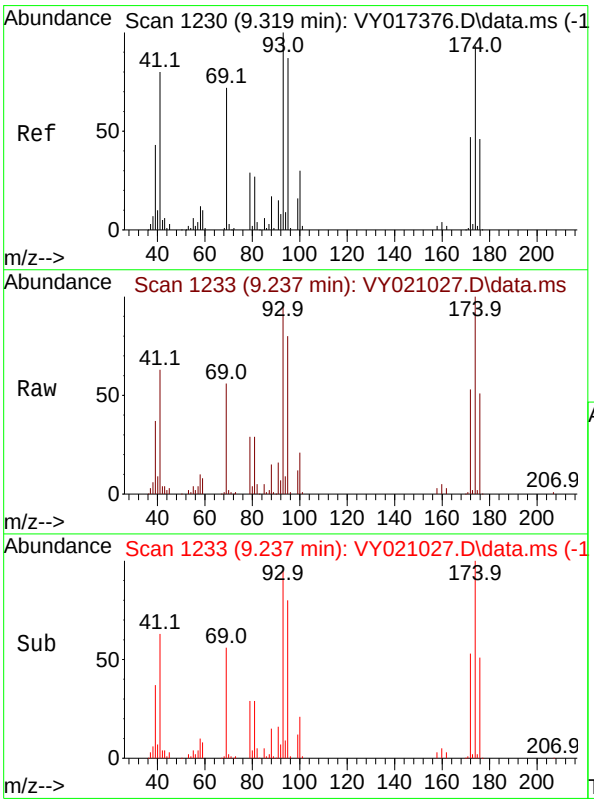

#45
1,2-Dichloropropane
Concen: 49.666 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 63 Resp: 92259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.2 | 24.6 | 36.8 |

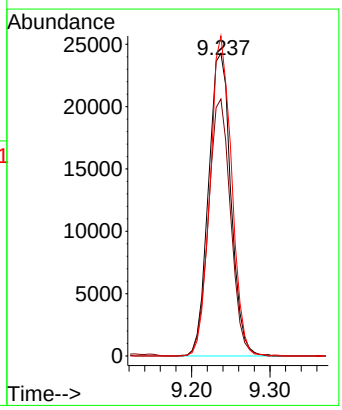


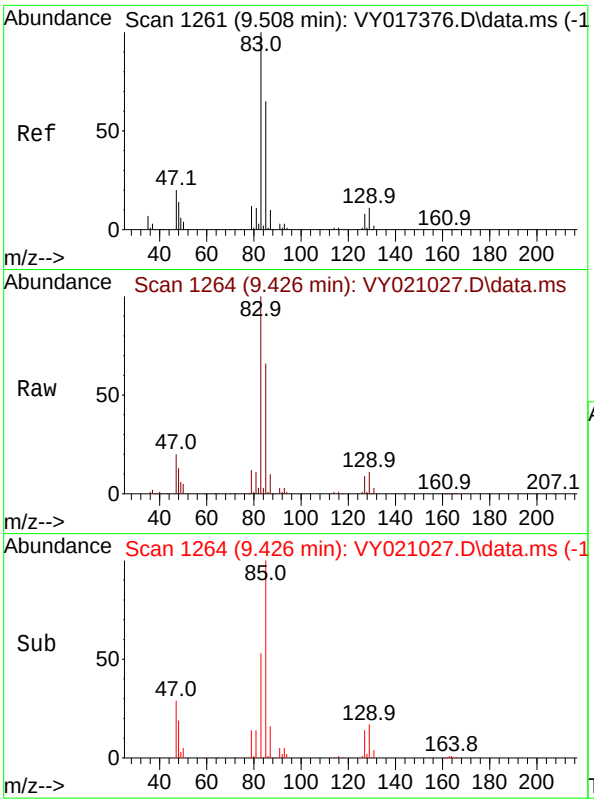




#46
Dibromomethane
Concen: 46.914 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 93 Resp: 48251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.8 | 66.6 | 99.8 |
| 174 | 101.3 | 73.8 | 110.6 |



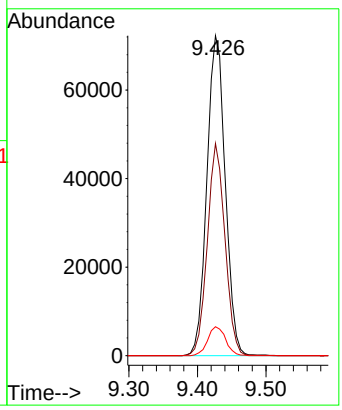


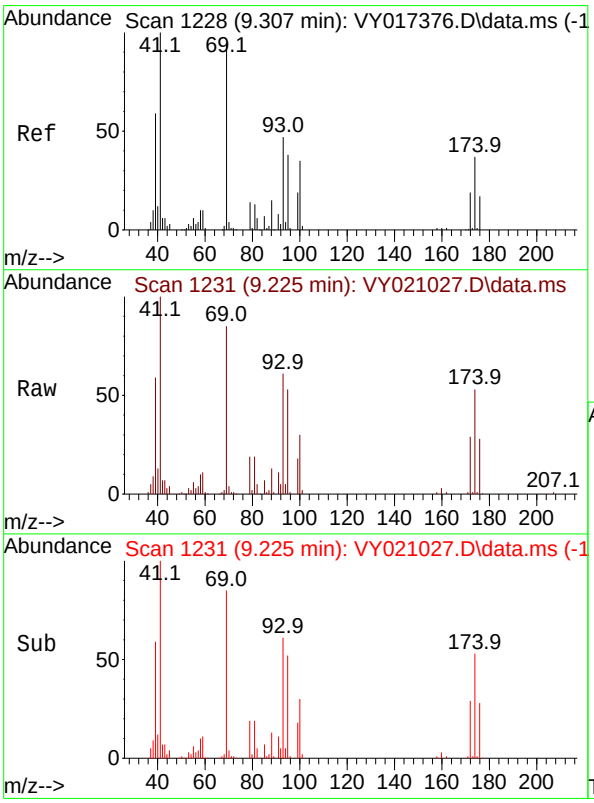

#47
Bromodichloromethane
Concen: 48.799 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 83 Resp: 134607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.3 | 53.2 | 79.8 |
| 127 | 9.1 | 6.4 | 9.6 |

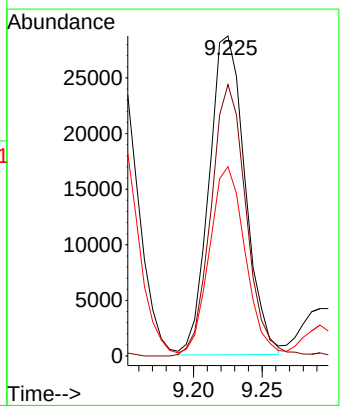


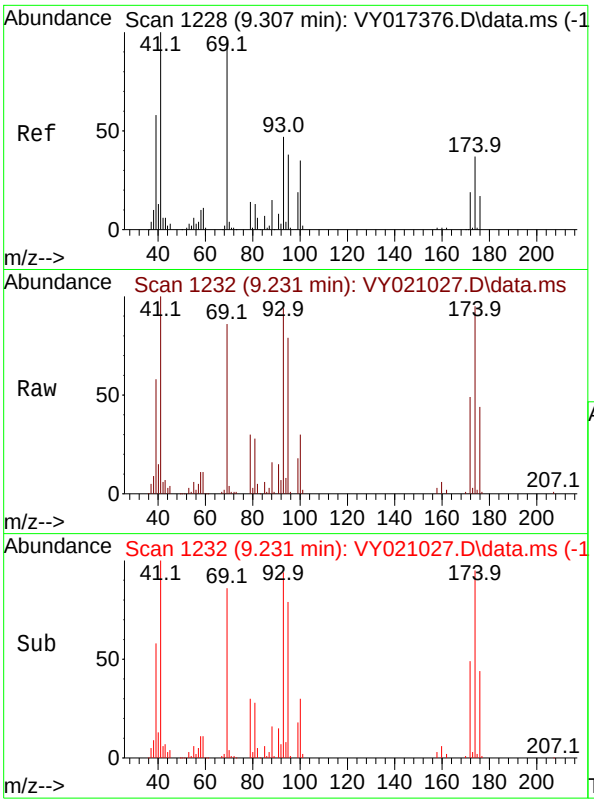




#48
Methyl methacrylate
Concen: 49.560 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 41 Resp: 52480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.0 | 72.1 | 108.1 |
| 39 | 57.2 | 42.8 | 64.2 |



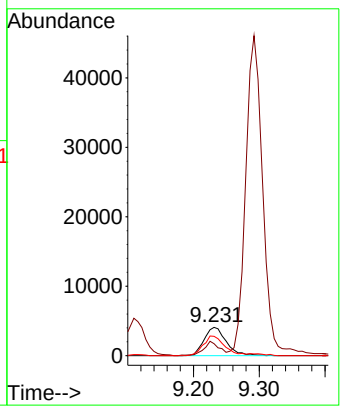


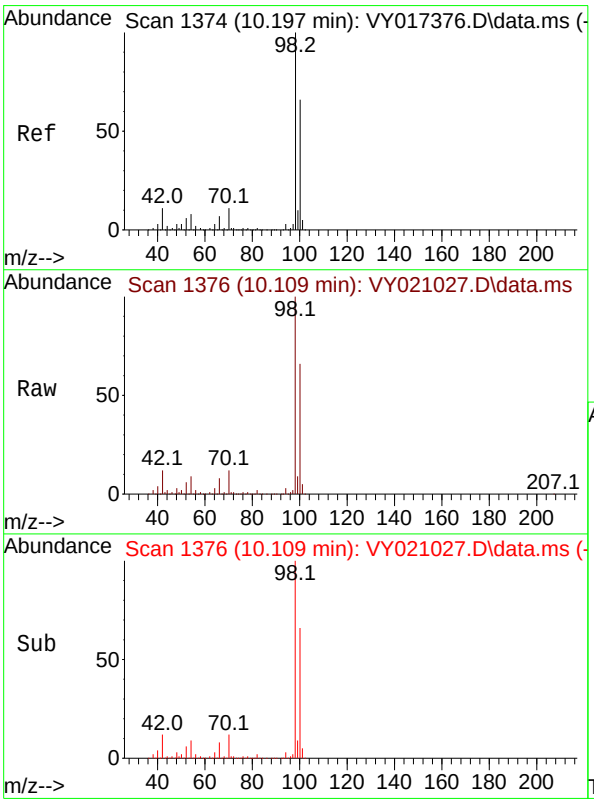

#49
1,4-Dioxane
Concen: 1001.398 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 88 Resp: 9588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.5 | 28.2 | 42.4 |
| 58 | 66.7 | 52.2 | 78.2 |

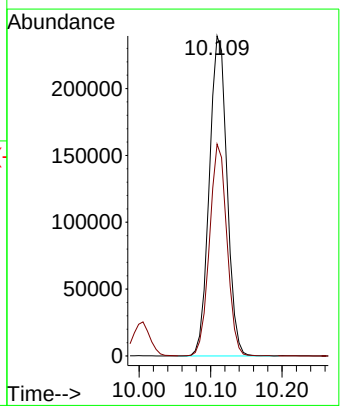


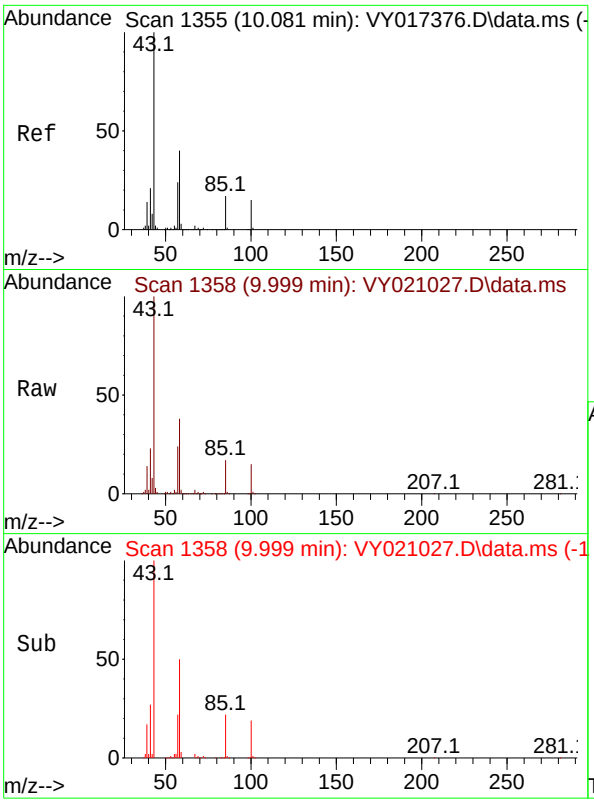




#50
Toluene-d8
Concen: 59.966 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 98 Resp: 411045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 52.3 | 78.5 |



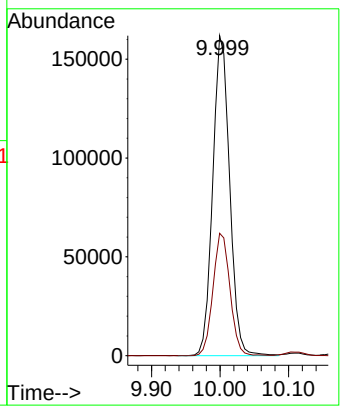


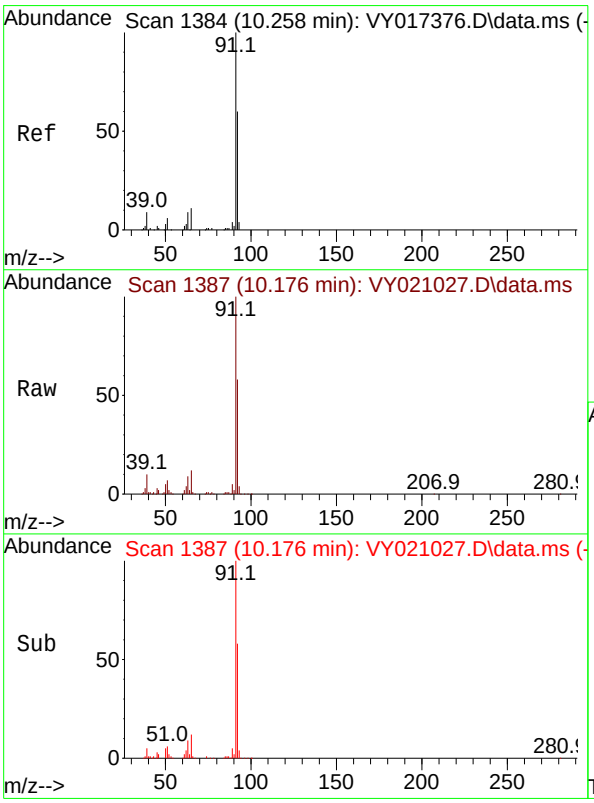

#51
4-Methyl-2-Pentanone
Concen: 236.615 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 43 Resp: 276605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.6 | 32.2 | 48.2 |

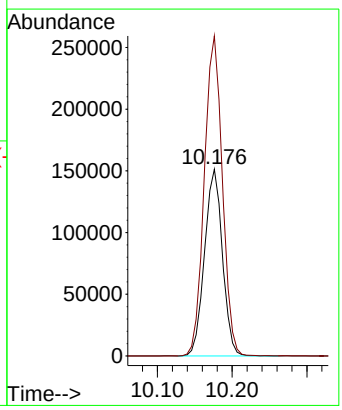


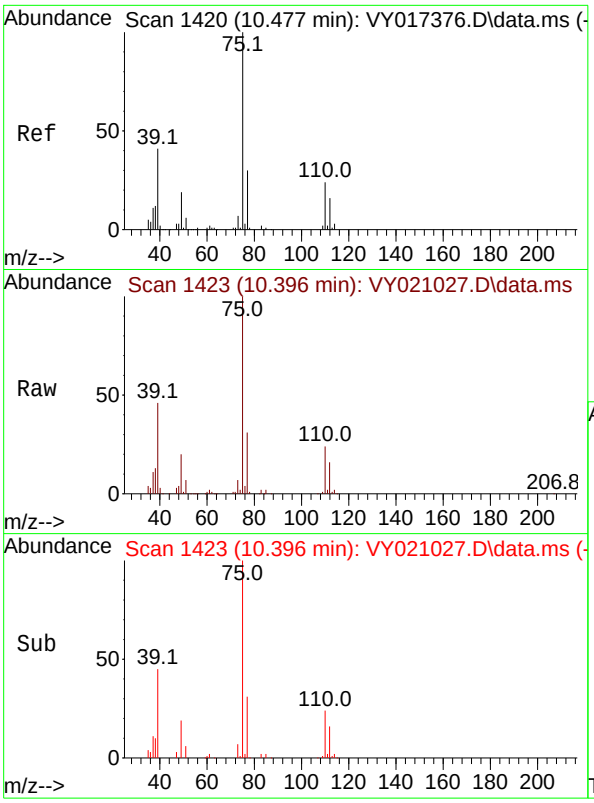




#52
Toluene
Concen: 51.135 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 92 Resp: 251287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.2 | 137.6 | 206.4 |



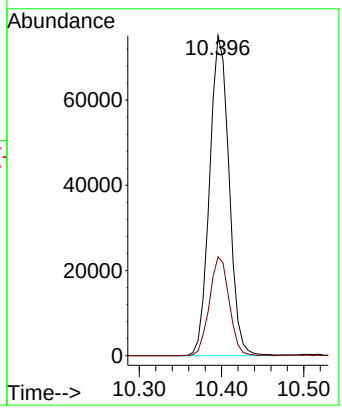


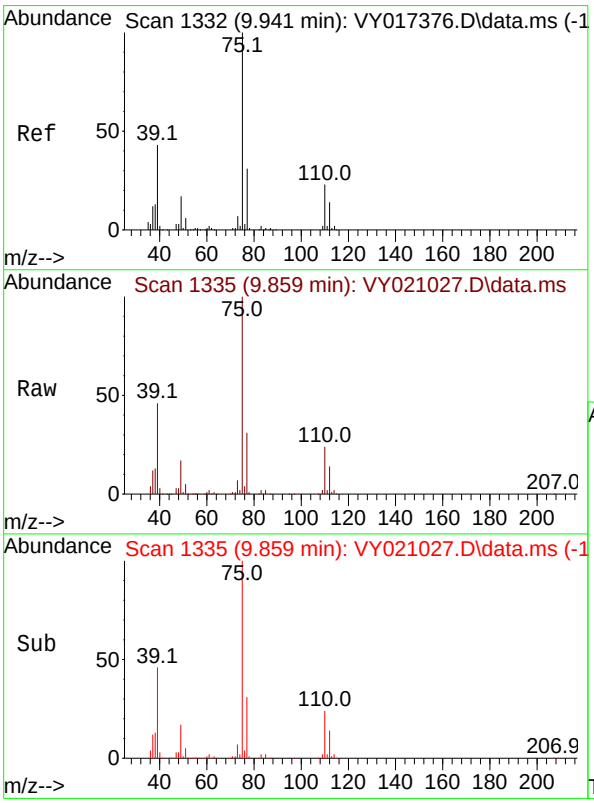

#53
t-1,3-Dichloropropene
Concen: 49.950 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 75 Resp: 123718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 24.6 | 36.8 |

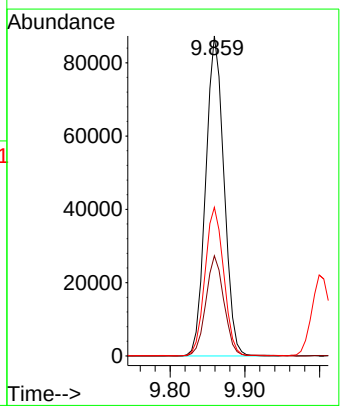


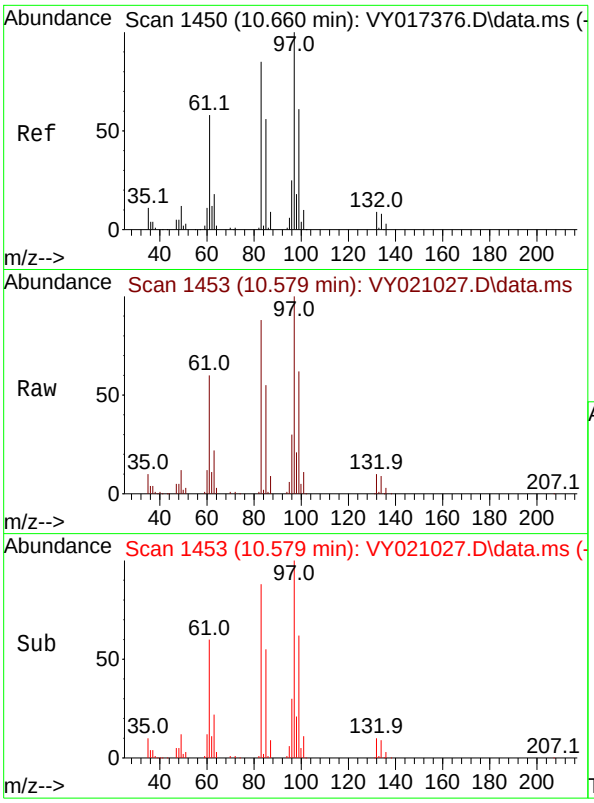




#54
cis-1,3-Dichloropropene
Concen: 50.550 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 148244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 24.6 | 36.8 |
| 39 | 46.4 | 33.6 | 50.4 |



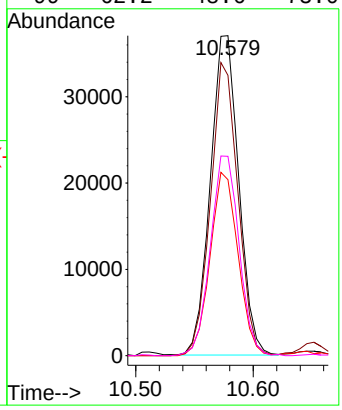


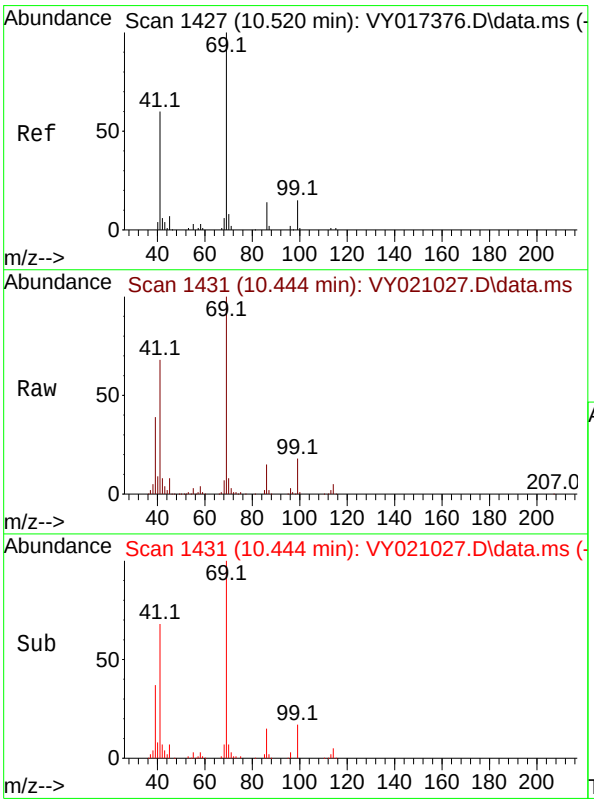

#55
1,1,2-Trichloroethane
Concen: 46.820 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 97 Resp: 62357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.5 | 69.4 | 104.2 |
| 85 | 55.1 | 43.9 | 65.9 |
| 99 | 62.2 | 48.6 | 73.0 |

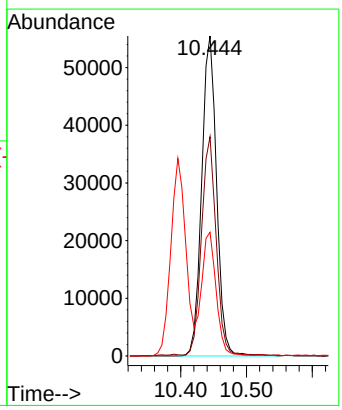


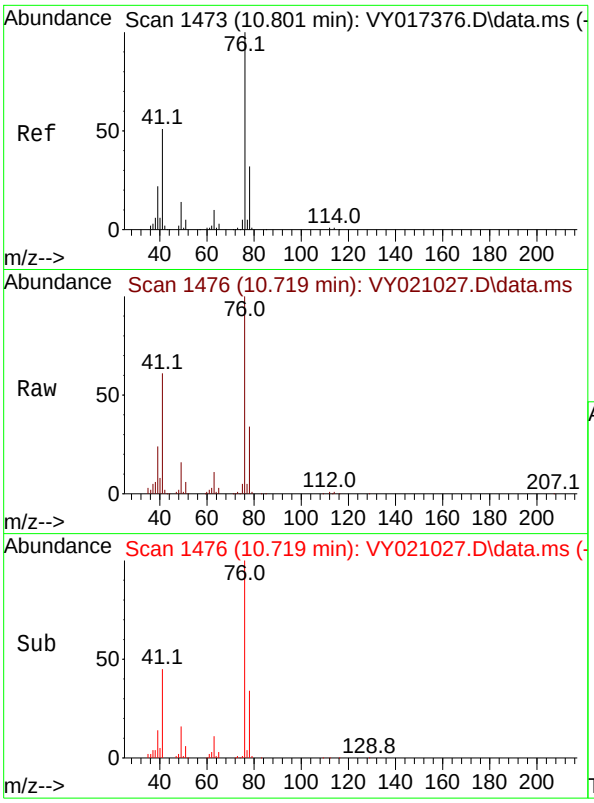




#56
Ethyl methacrylate
Concen: 49.082 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 69 Resp: 87450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 66.5 | 49.2 | 73.8 |
| 39 | 37.5 | 26.8 | 40.2 |



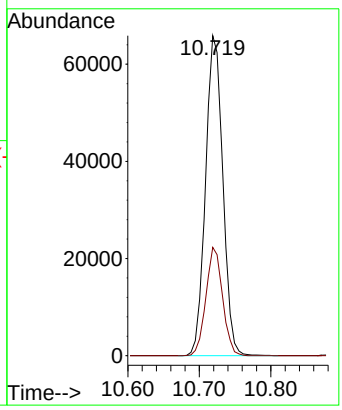


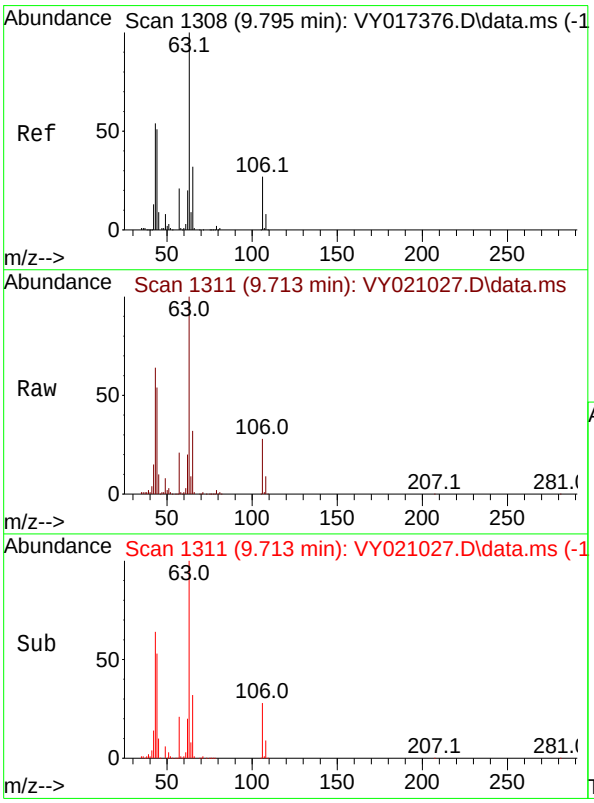

#57
1,3-Dichloropropane
Concen: 47.980 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 76 Resp: 110606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.1 | 39.1 |

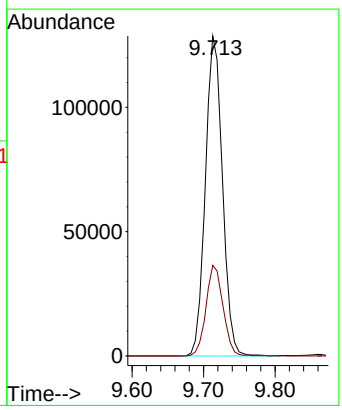


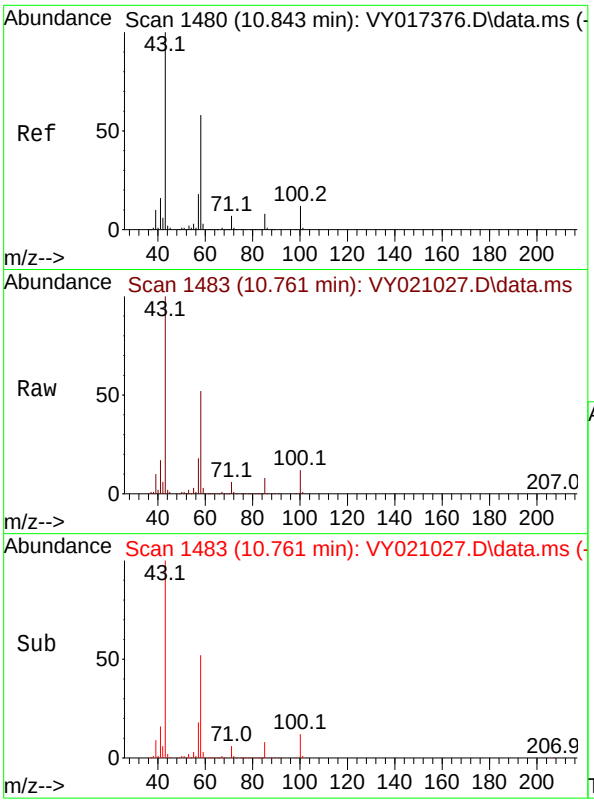




#58
2-Chloroethyl Vinyl ether
Concen: 251.852 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 63 Resp: 213481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.3 | 22.4 | 33.6 |



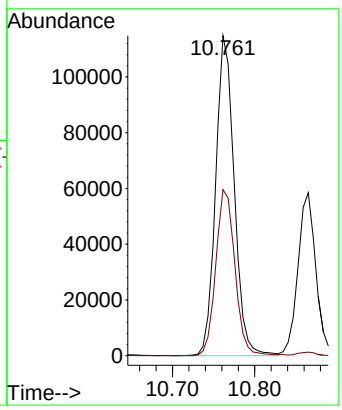


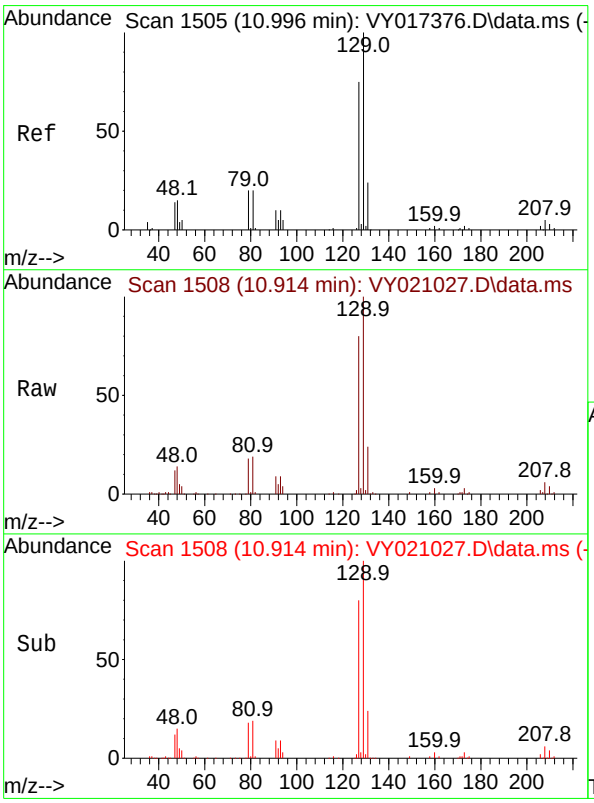

#59
2-Hexanone
Concen: 239.750 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 43 Resp: 180455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 28.1 | 84.3 |

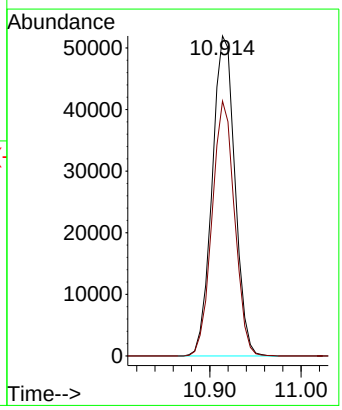


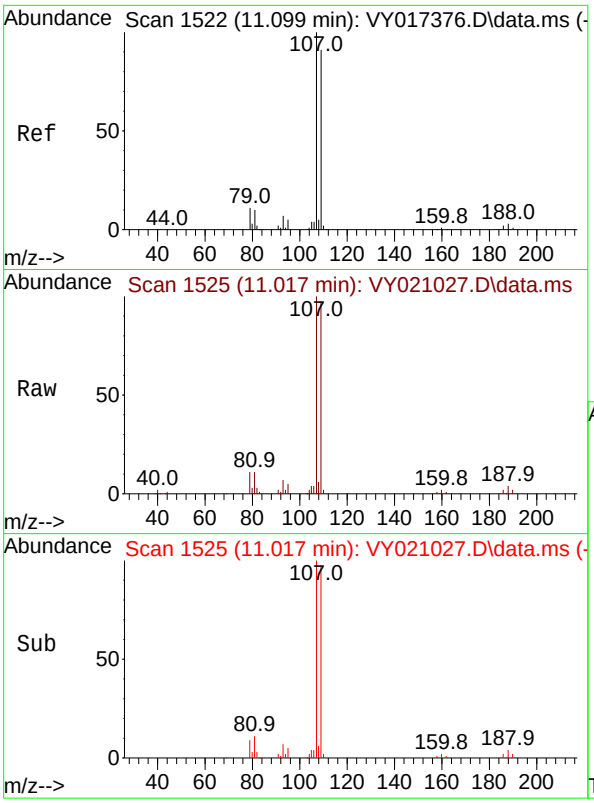




#60
Dibromochloromethane
Concen: 48.123 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:129 Resp: 90009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.6 | 39.2 | 117.6 |



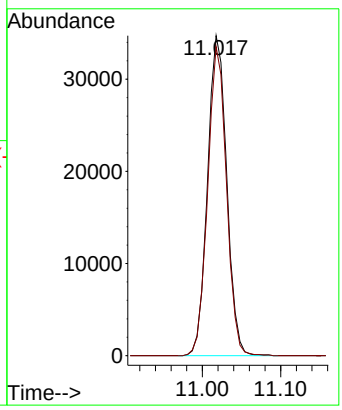


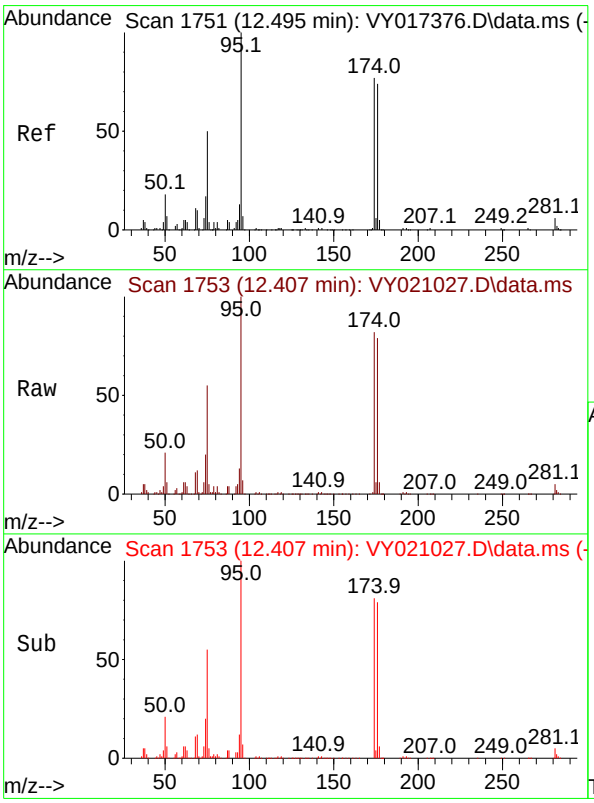

#61
1,2-Dibromoethane
Concen: 47.325 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:107 Resp: 59039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.5 | 75.4 | 113.2 |

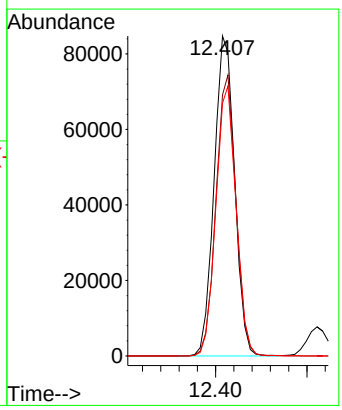


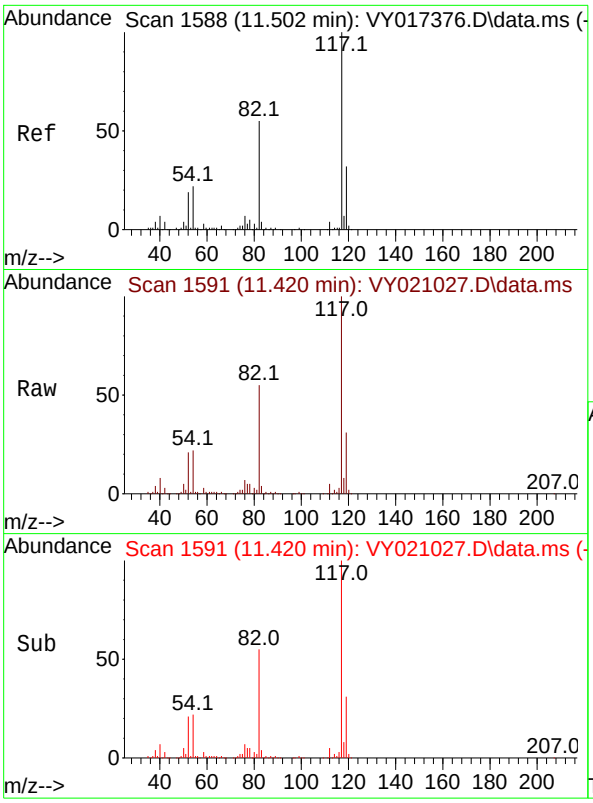




#62
4-Bromofluorobenzene
Concen: 58.919 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 95 Resp: 131943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.5 | 0.0 | 160.0 |
| 176 | 83.2 | 0.0 | 151.8 |



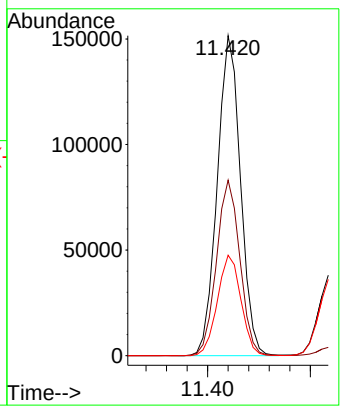


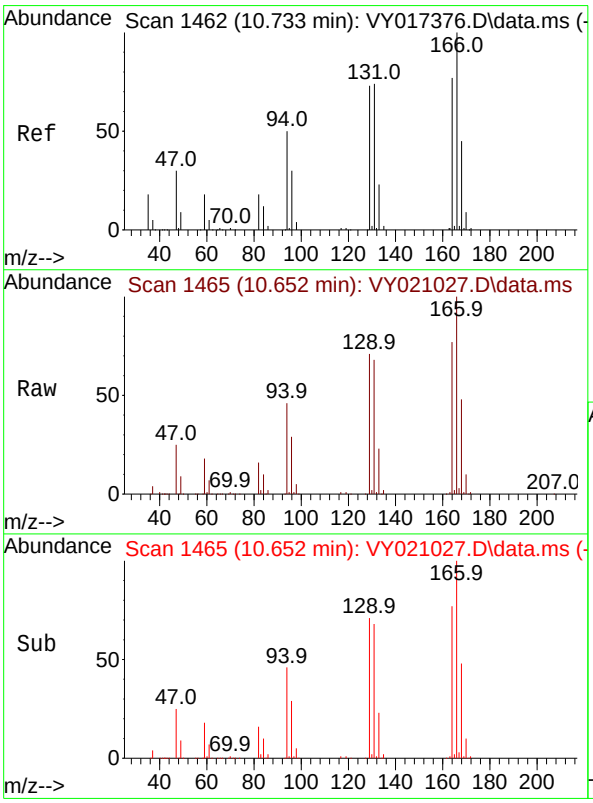

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:117 Resp: 237569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 43.8 | 65.8 |
| 119 | 31.4 | 26.5 | 39.7 |

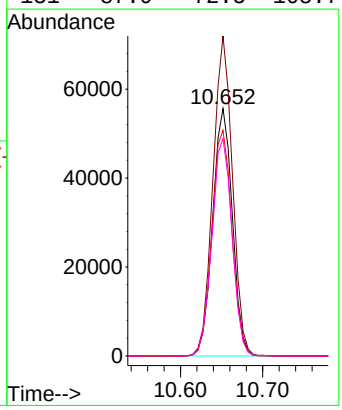


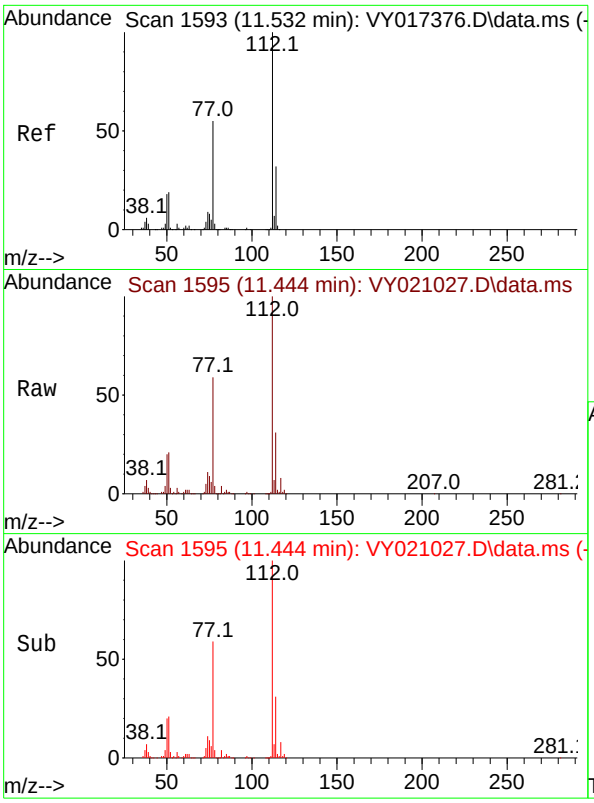




#64
Tetrachloroethene
Concen: 52.446 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:164 Resp: 92493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.4 | 98.8 | 148.2 |
| 129 | 91.2 | 78.9 | 118.3 |
| 131 | 87.9 | 72.5 | 108.7 |



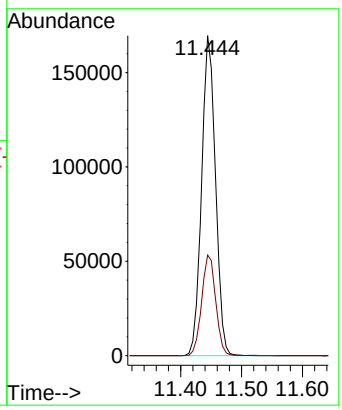


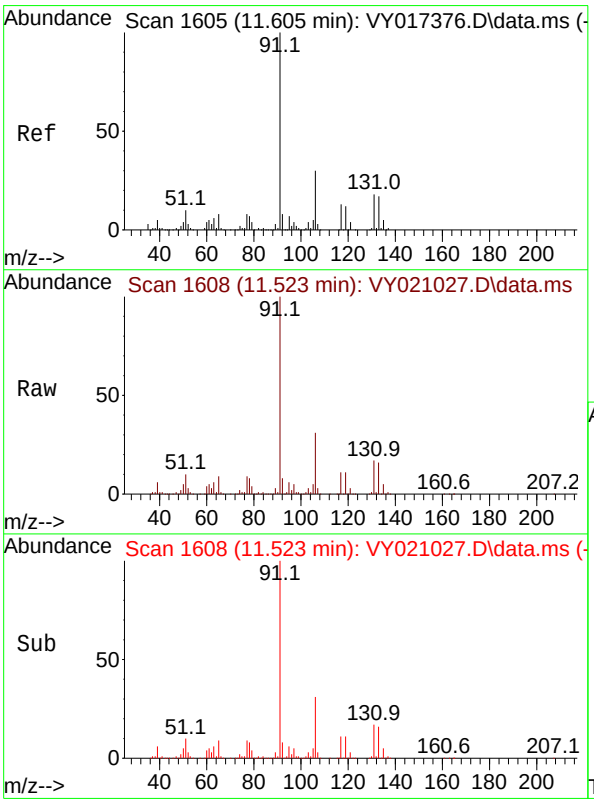

#65
Chlorobenzene
Concen: 50.766 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:112 Resp: 268544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 26.1 | 39.1 |

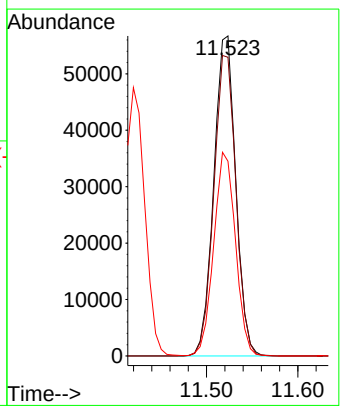


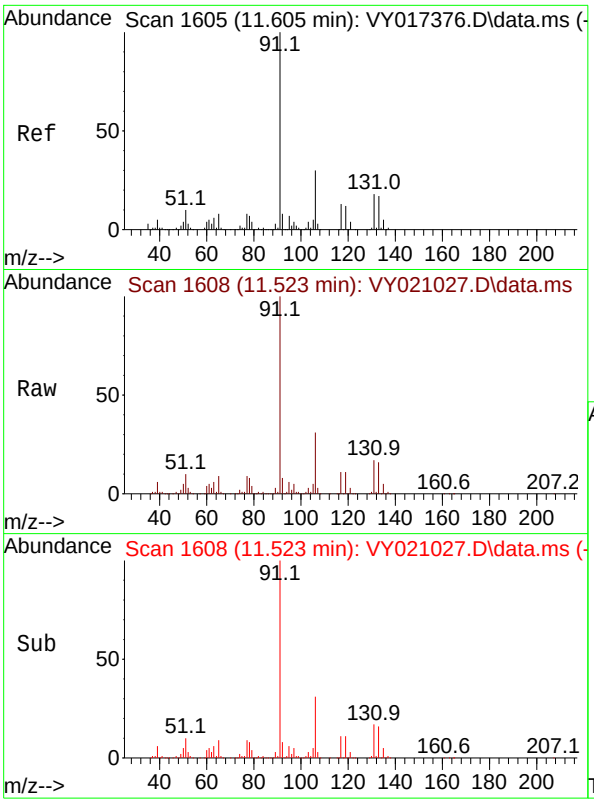




#66
1,1,1,2-Tetrachloroethane
Concen: 50.356 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:131 Resp: 94662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.7 | 47.0 | 141.0 |
| 119 | 63.3 | 33.3 | 99.9 |



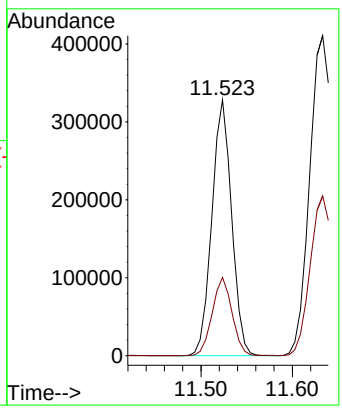


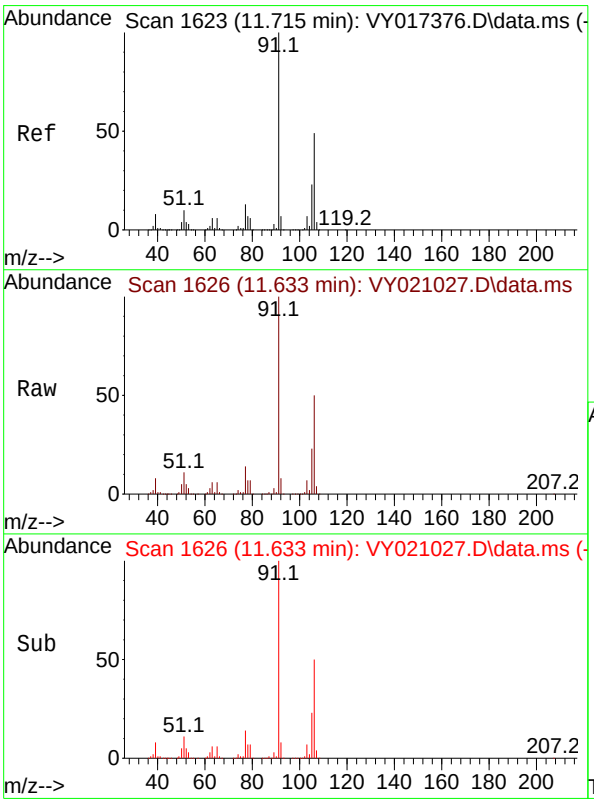

#67
Ethyl Benzene
Concen: 52.642 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 91 Resp: 492537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 25.0 | 37.4 |

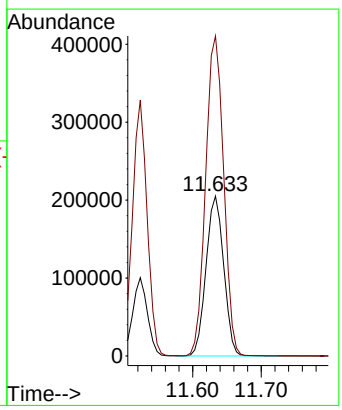


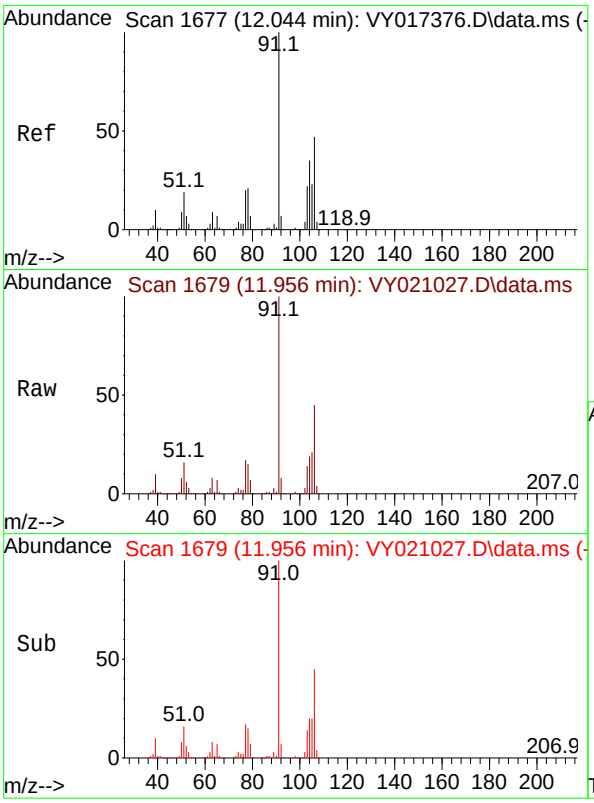




#68
m/p-Xylenes
Concen: 104.978 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:106 Resp: 367445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.0 | 160.7 | 241.1 |



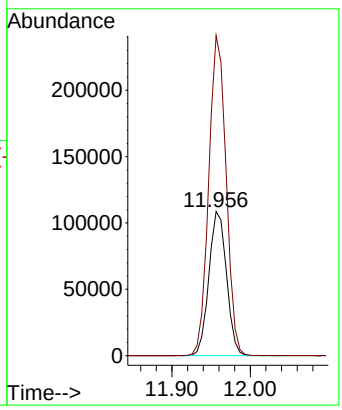


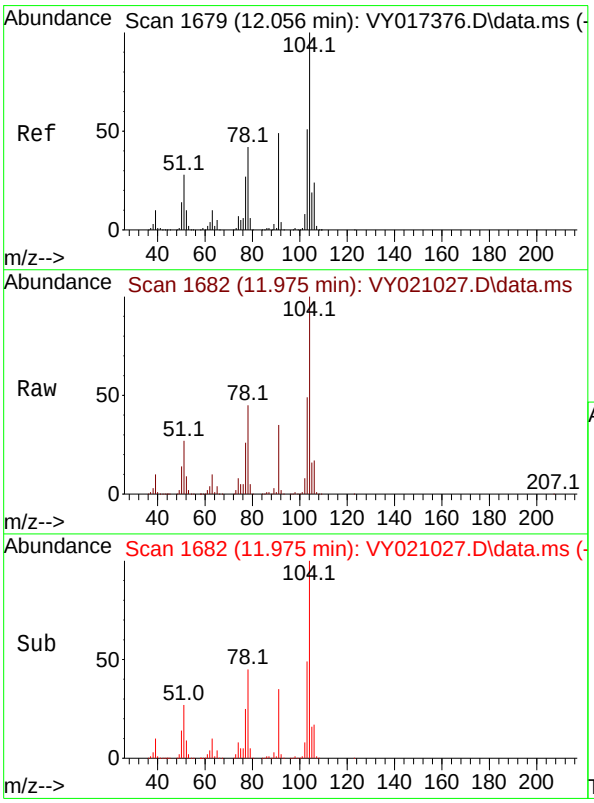

#69
o-Xylene
Concen: 52.062 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:106 Resp: 169897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.5 | 106.5 | 319.5 |

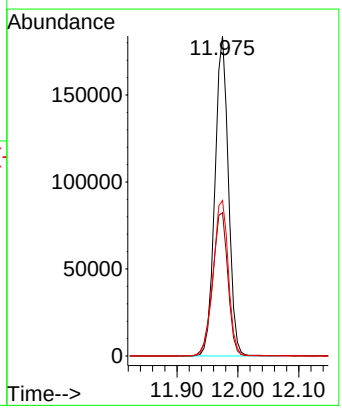


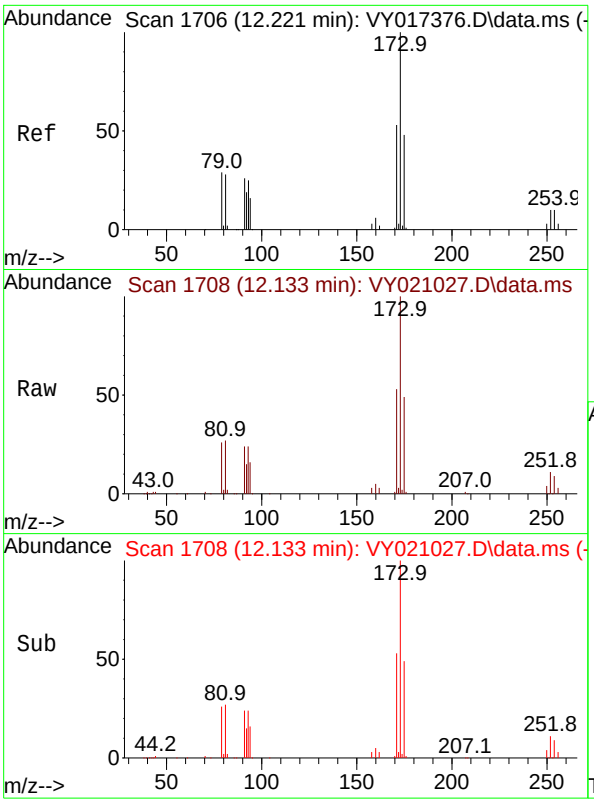




#70
Styrene
Concen: 52.009 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:104 Resp: 282879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.8 | 39.2 | 58.8 |
| 103 | 54.5 | 43.8 | 65.6 |



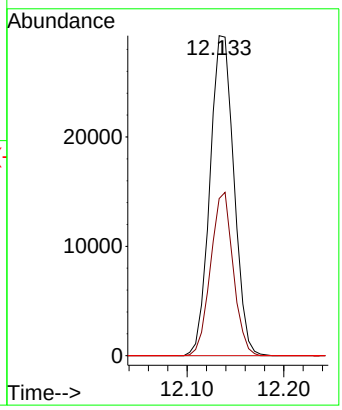


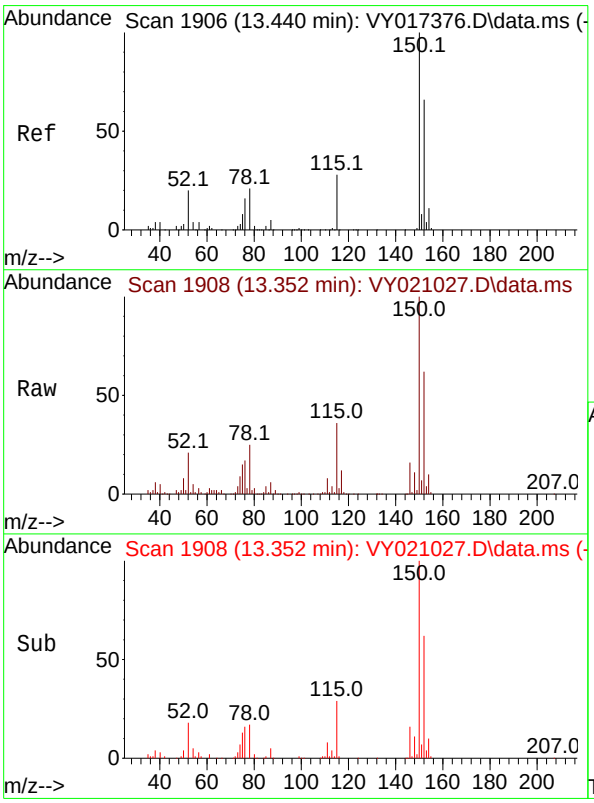

#71
Bromoform
Concen: 48.166 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:173 Resp: 50400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 23.5 | 70.6 |
| 254 | 0.0 | 0.0 | 0.0 |

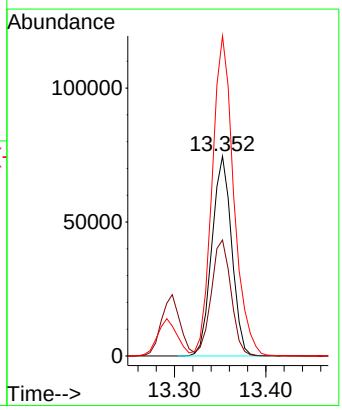


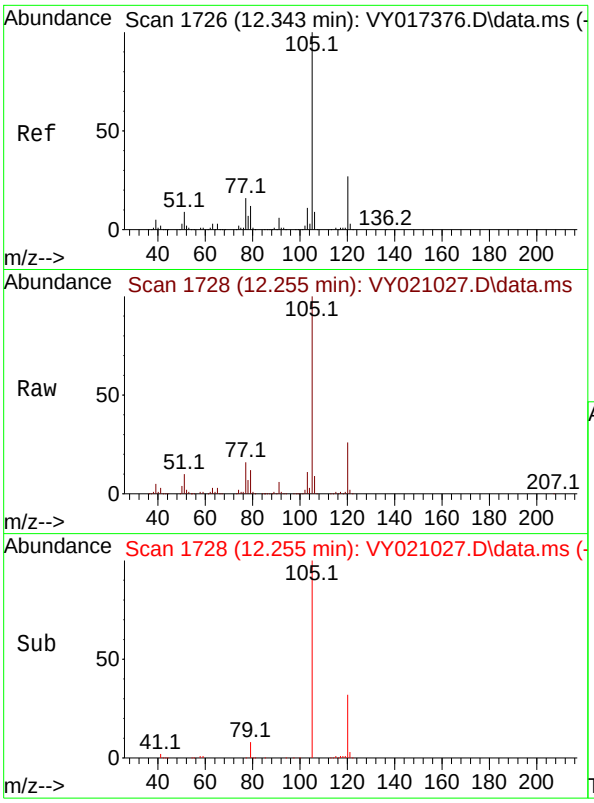




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:152 Resp: 112062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.0 | 30.0 | 90.0 |
| 150 | 175.2 | 0.0 | 344.6 |



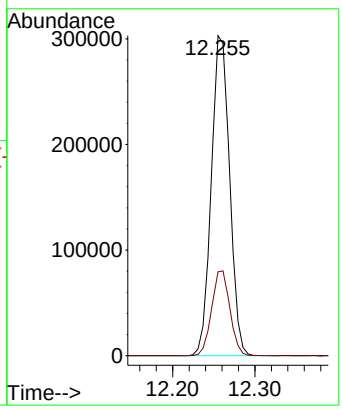


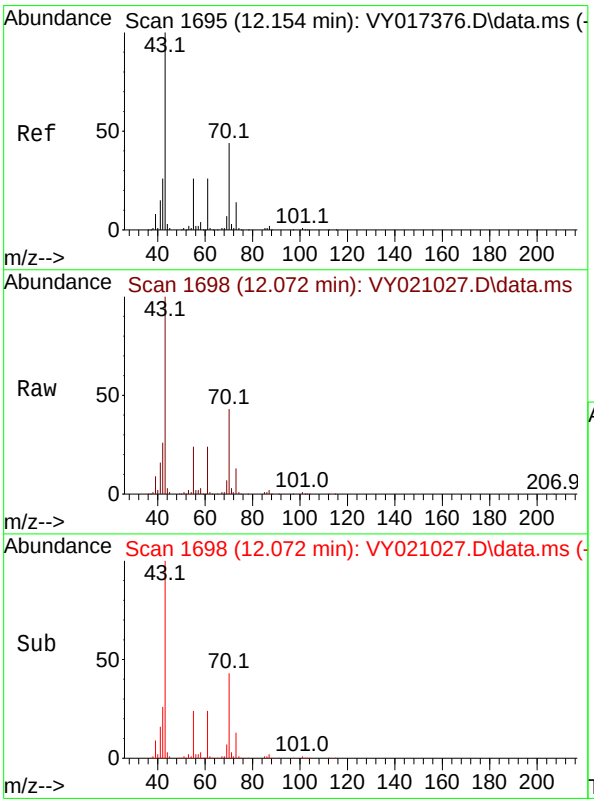

#73
Isopropylbenzene
Concen: 53.377 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:105 Resp: 467245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.0 | 39.0 |

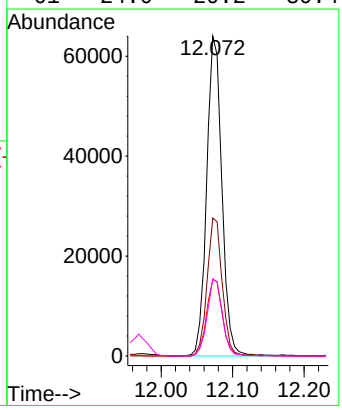


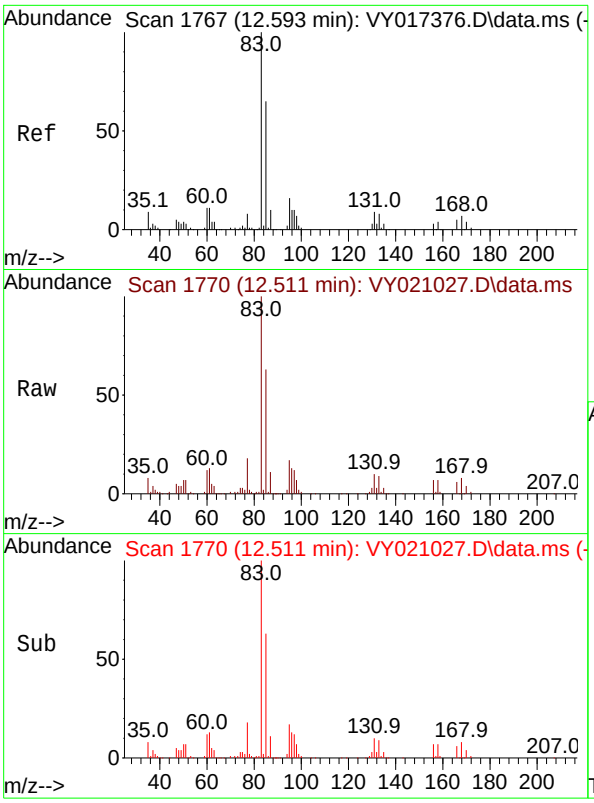




#74
N-amyl acetate
Concen: 49.483 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 43 Resp: 94701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.8 | 36.6 | 55.0 |
| 55 | 24.9 | 22.2 | 33.4 |
| 61 | 24.0 | 20.2 | 30.4 |



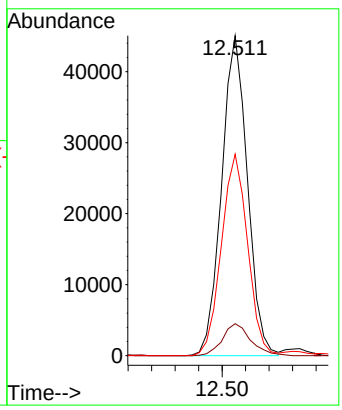


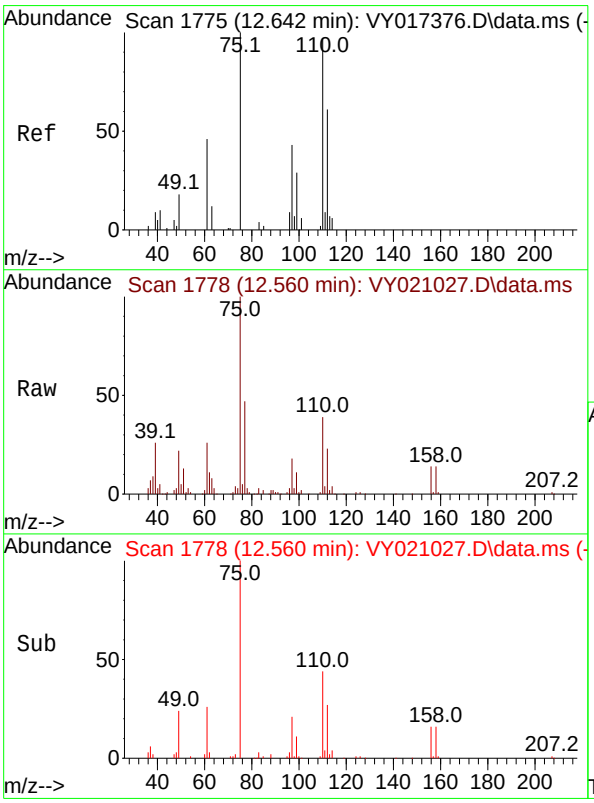

#75
1,1,2,2-Tetrachloroethane
Concen: 47.145 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 83 Resp: 68636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 4.9 | 14.6 |
| 85 | 64.0 | 32.6 | 98.0 |

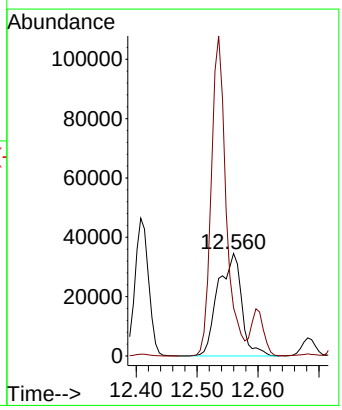


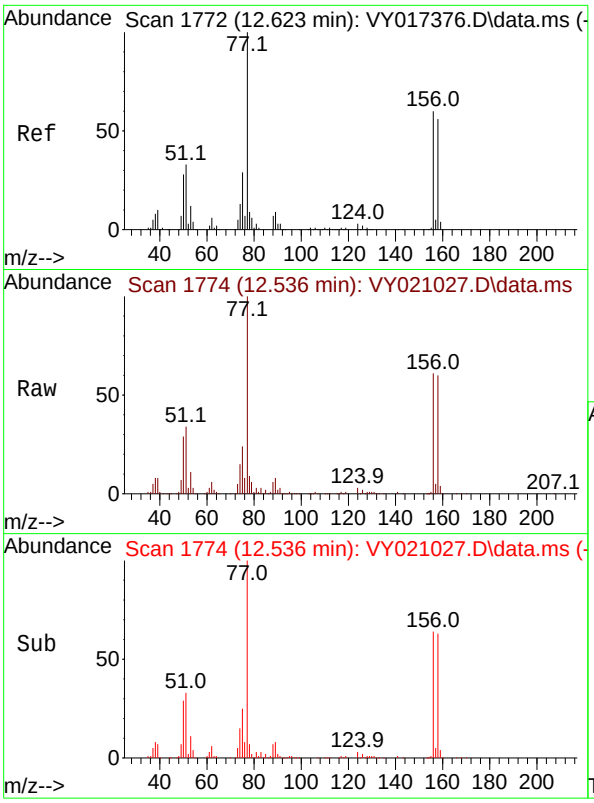




#76
1,2,3-Trichloropropane
Concen: 91.514 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 93028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



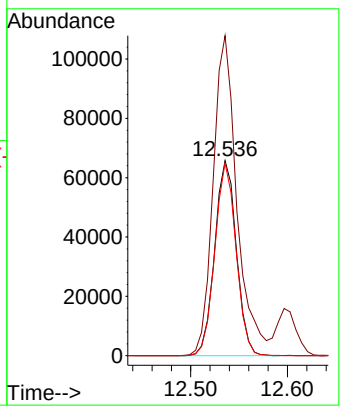


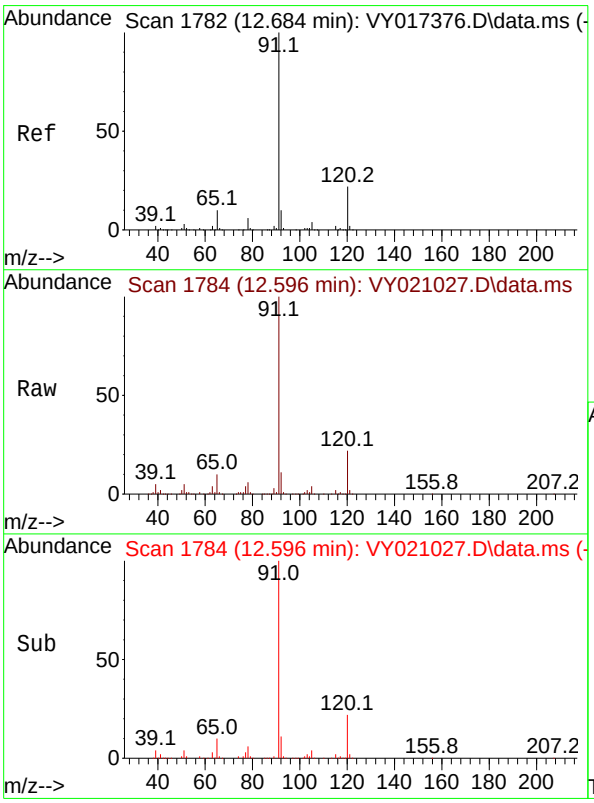

#77
Bromobenzene
Concen: 50.490 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:156 Resp: 101991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 179.9 | 97.3 | 291.8 |
| 158 | 96.9 | 48.4 | 145.0 |

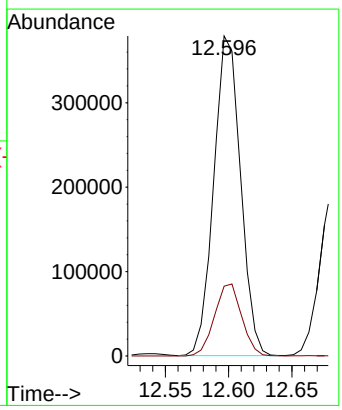


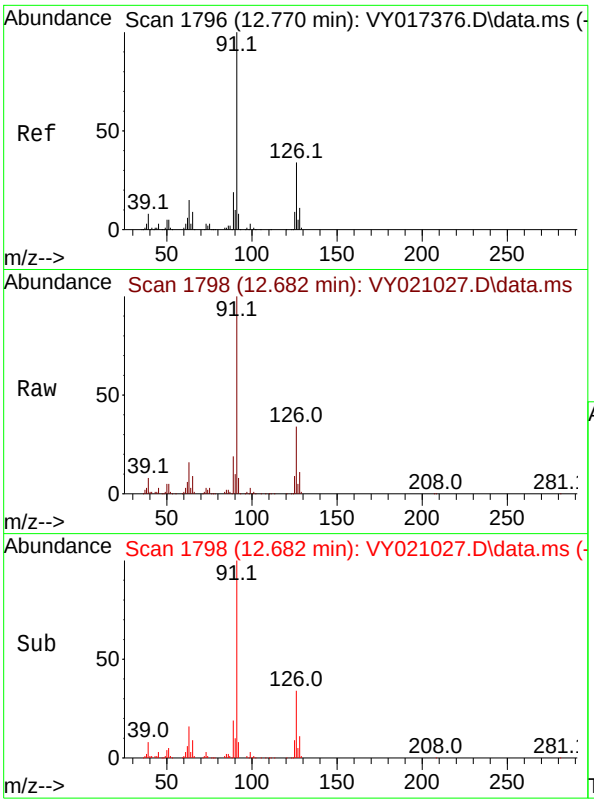




#78
n-propylbenzene
Concen: 53.513 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 558013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.8 | 11.0 | 33.0 |



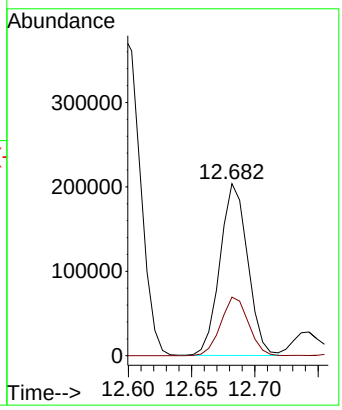


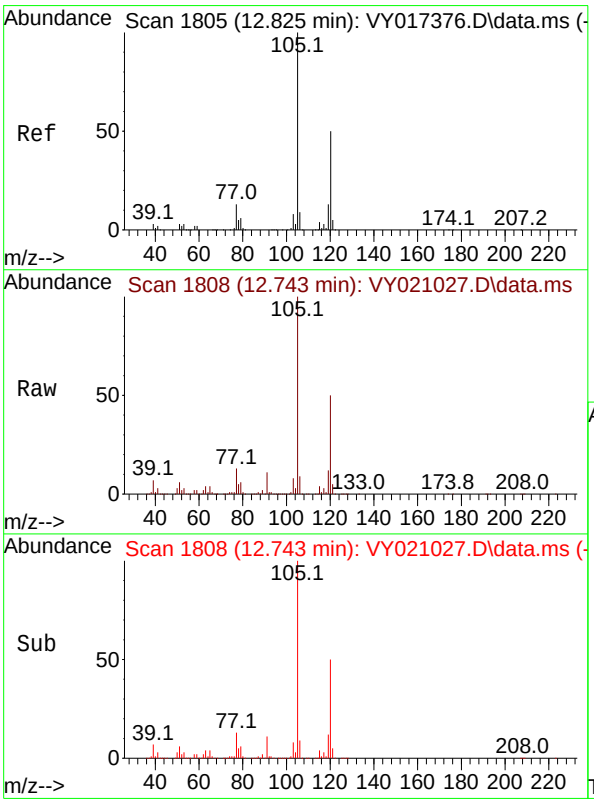

#79
2-Chlorotoluene
Concen: 51.922 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 91 Resp: 310097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.1 | 17.0 | 51.0 |

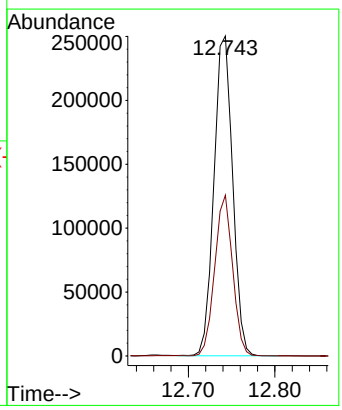


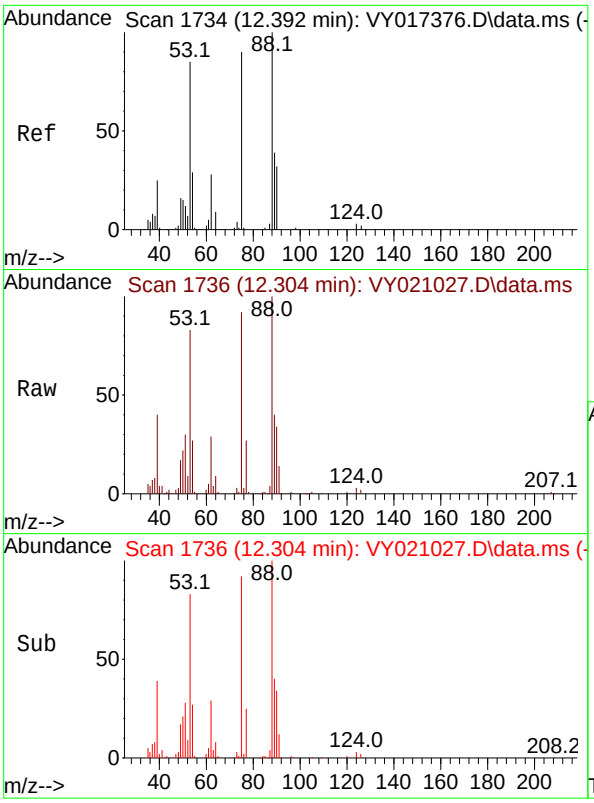




#80
1,3,5-Trimethylbenzene
Concen: 52.840 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 375018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.1 | 24.3 | 72.8 |



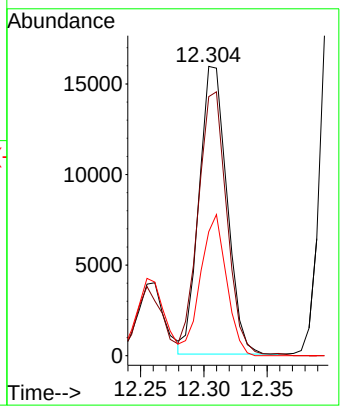


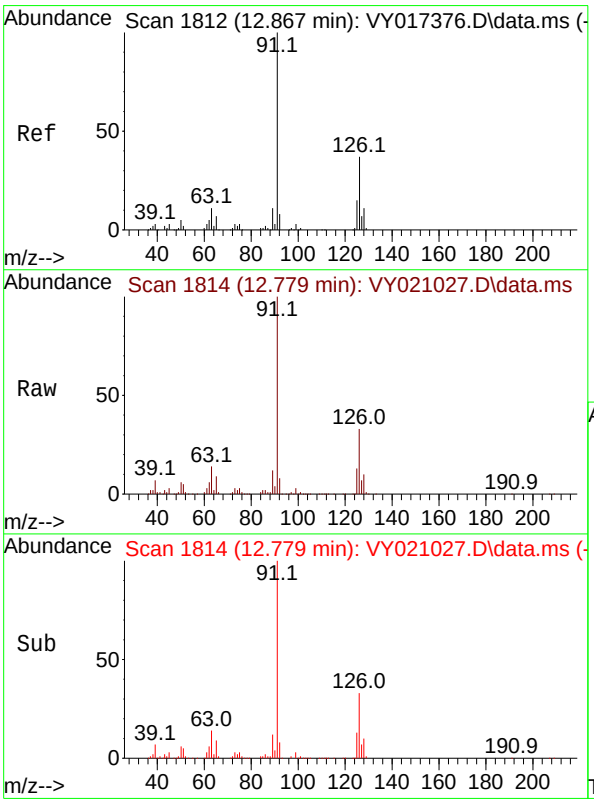

#81
trans-1,4-Dichloro-2-butene
Concen: 48.841 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 75 Resp: 24332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 94.8 | 74.0 | 111.0 |
| 89 | 45.9 | 36.5 | 54.7 |

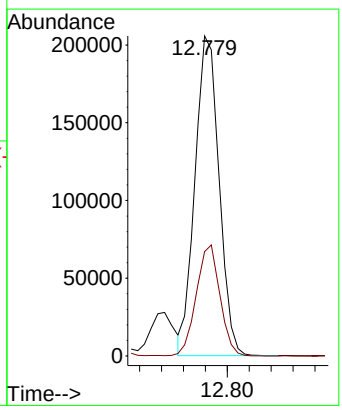


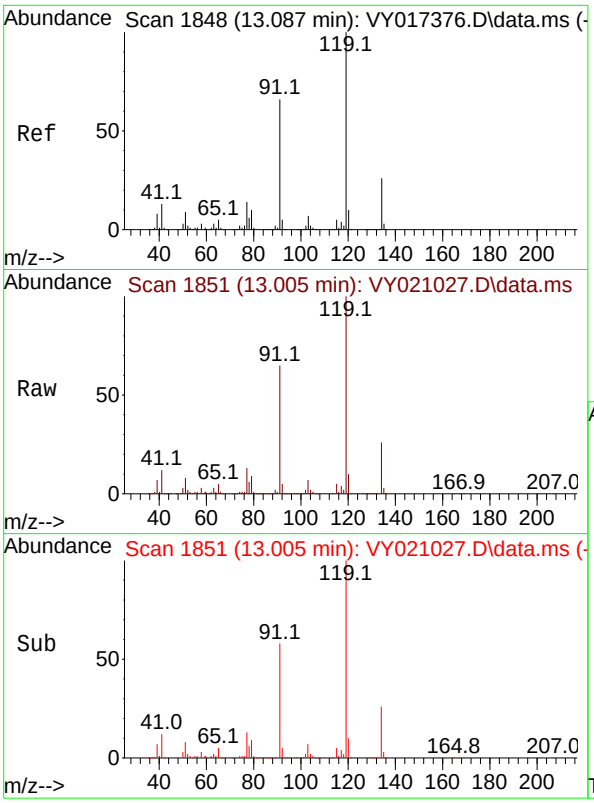




#82
4-Chlorotoluene
Concen: 51.594 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 91 Resp: 313949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.3 | 17.1 | 51.2 |



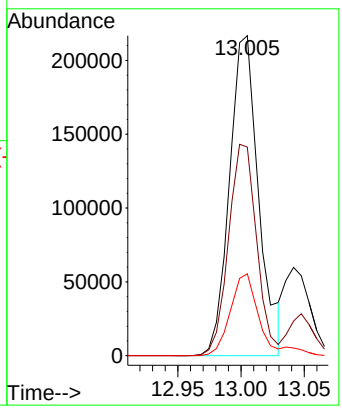


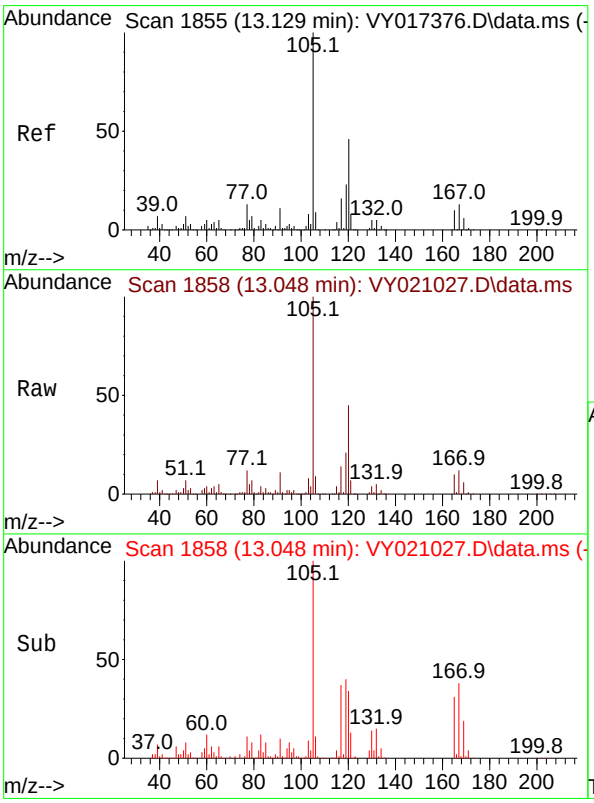

#83
tert-Butylbenzene
Concen: 53.952 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:119 Resp: 348046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.9 | 31.5 | 94.5 |
| 134 | 25.9 | 13.1 | 39.3 |

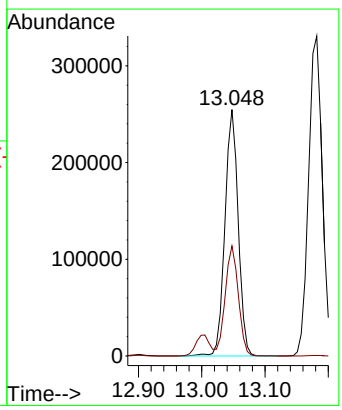


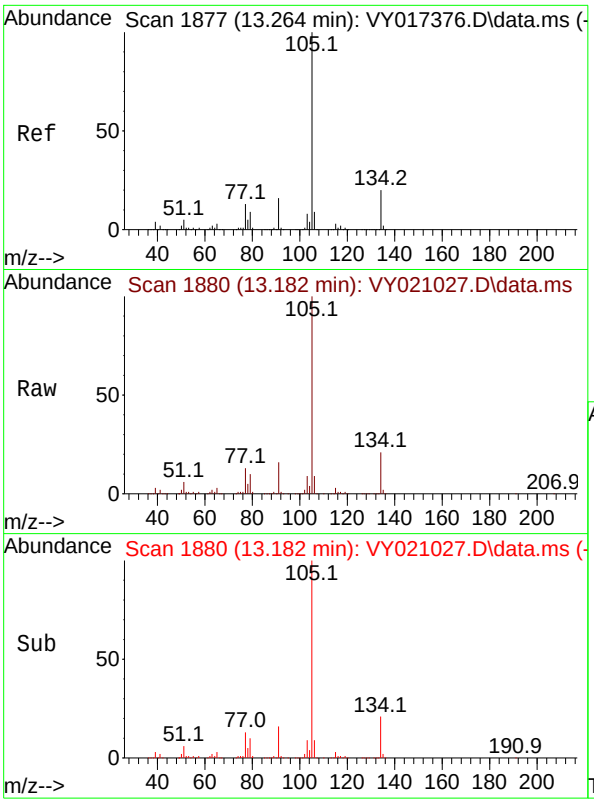




#84
1,2,4-Trimethylbenzene
Concen: 53.370 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:105 Resp: 370353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 22.1 | 66.3 |



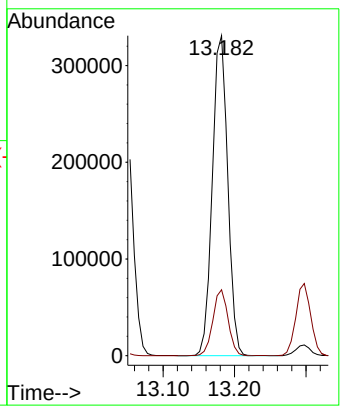


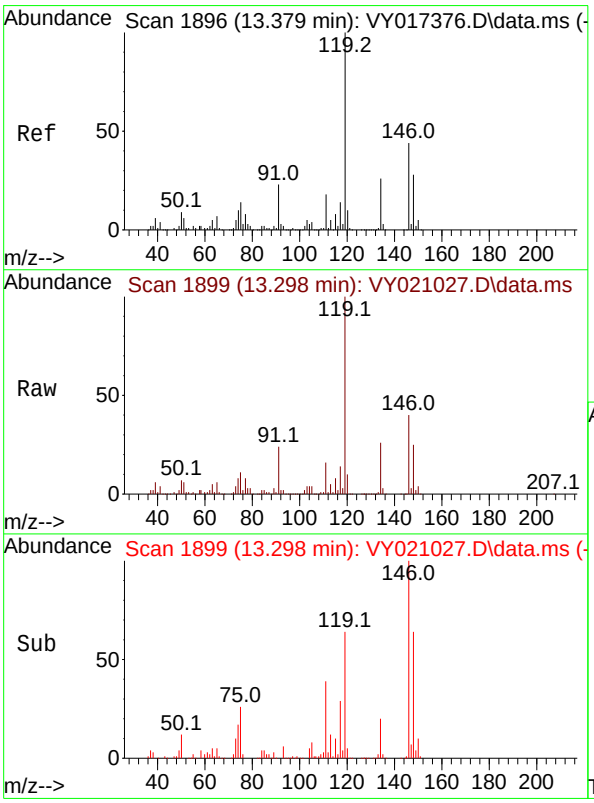

#85
sec-Butylbenzene
Concen: 53.301 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:105 Resp: 494957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 9.7 | 28.9 |

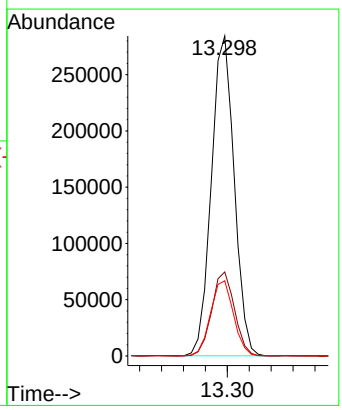


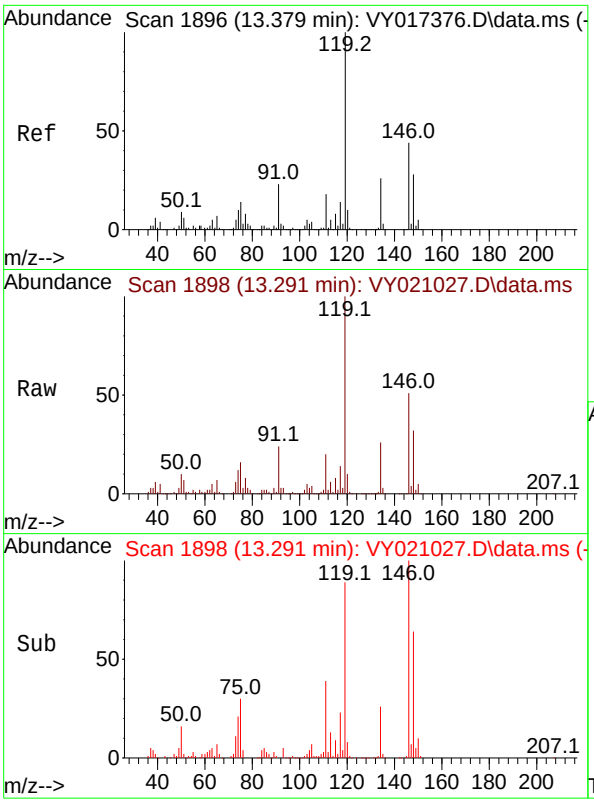




#86
p-Isopropyltoluene
Concen: 53.325 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:119 Resp: 411332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.3 | 13.1 | 39.1 |
| 91 | 23.7 | 11.7 | 35.0 |



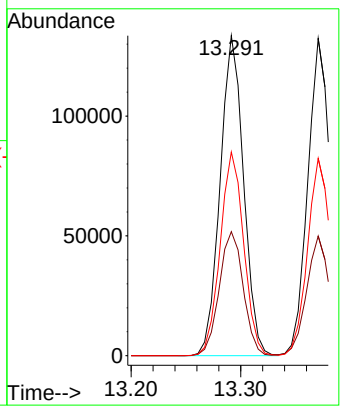


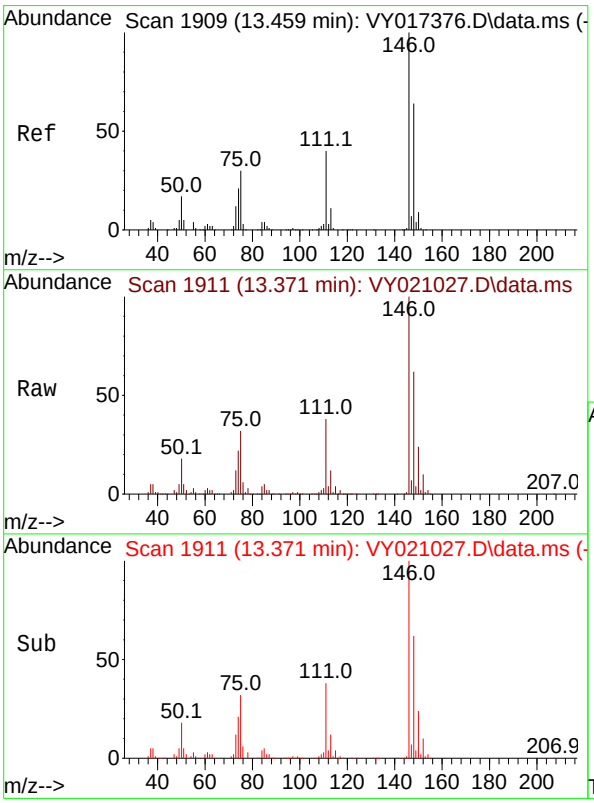

#87
1,3-Dichlorobenzene
Concen: 50.868 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:146 Resp: 198405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.7 | 20.2 | 60.5 |
| 148 | 63.8 | 31.9 | 95.9 |

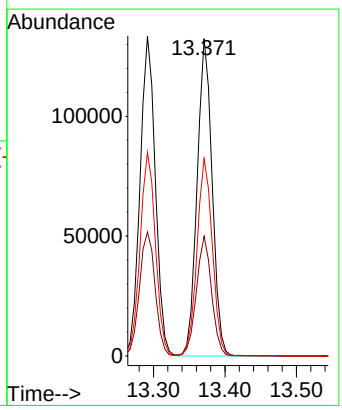


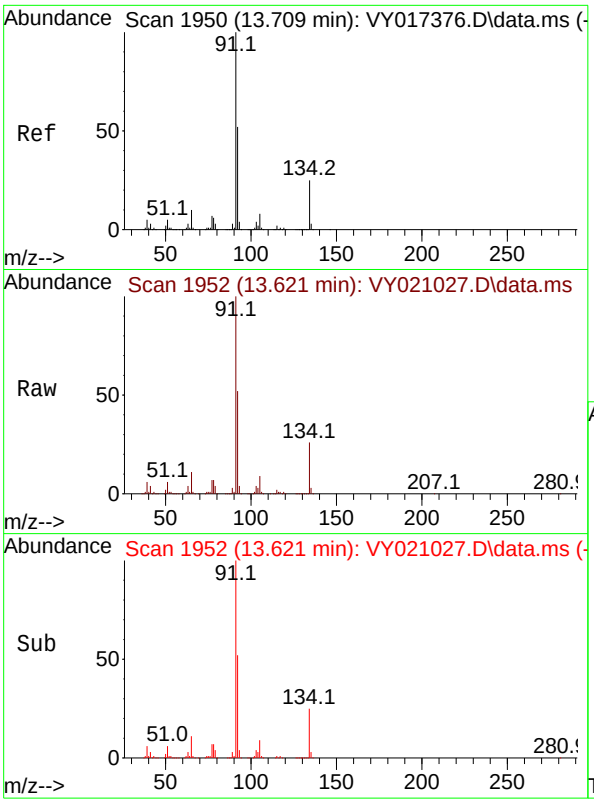




#88
1,4-Dichlorobenzene
Concen: 50.309 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:146 Resp: 193207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.1 | 19.3 | 57.9 |
| 148 | 63.4 | 31.6 | 94.7 |



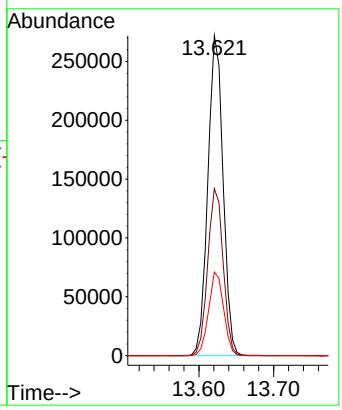


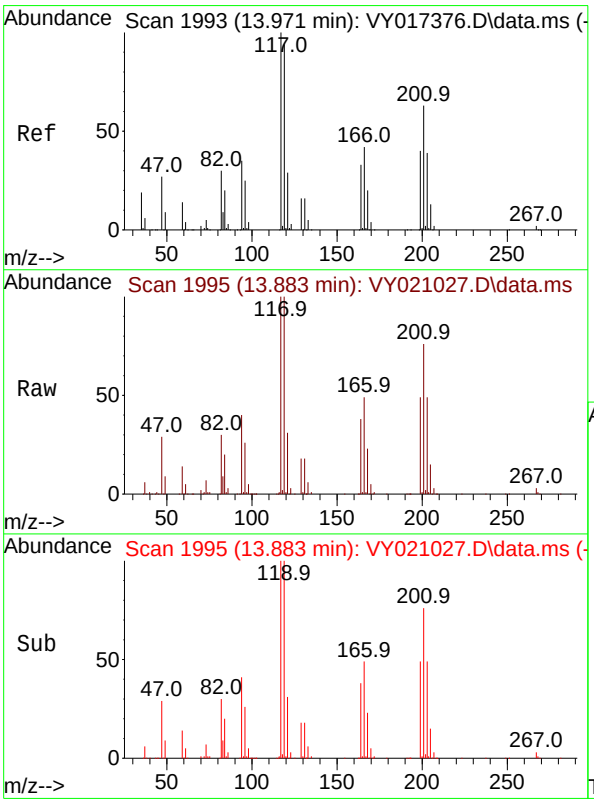

#89
n-Butylbenzene
Concen: 54.636 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion: 91 Resp: 384473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.9 | 26.4 | 79.2 |
| 134 | 25.9 | 12.3 | 36.8 |

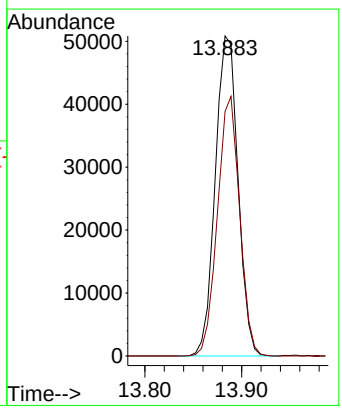


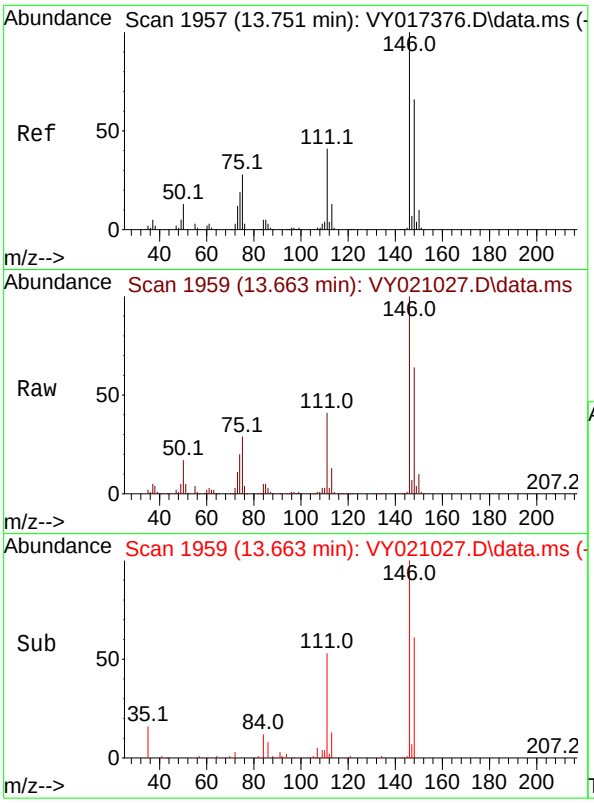




#90
Hexachloroethane
Concen: 51.521 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:117 Resp: 82908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 79.2 | 33.4 | 100.1 |



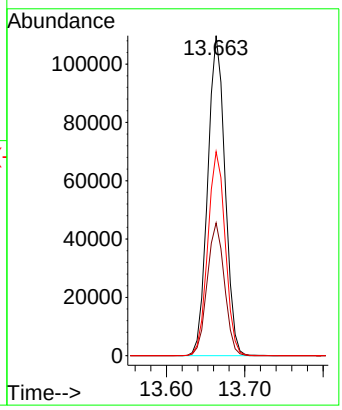


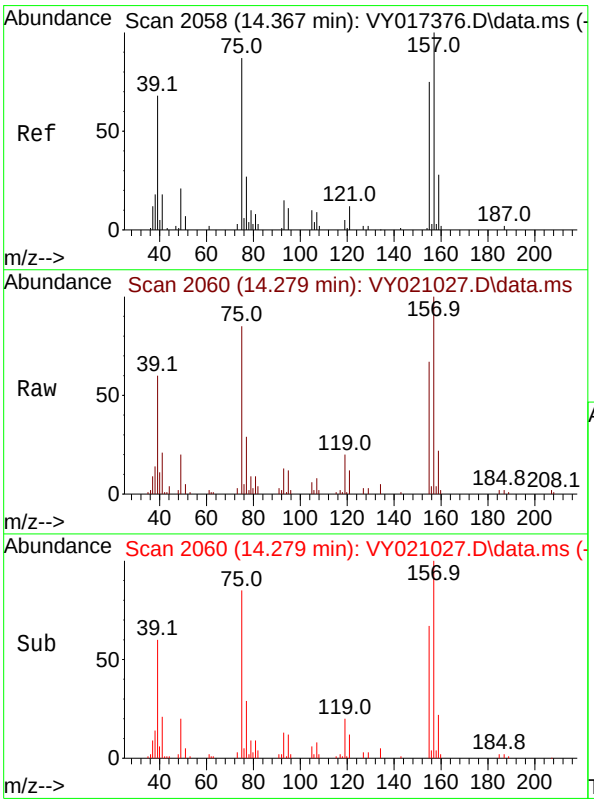

#91
1,2-Dichlorobenzene
Concen: 49.696 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:146 Resp: 168238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.5 | 61.6 |
| 148 | 64.3 | 31.4 | 94.3 |

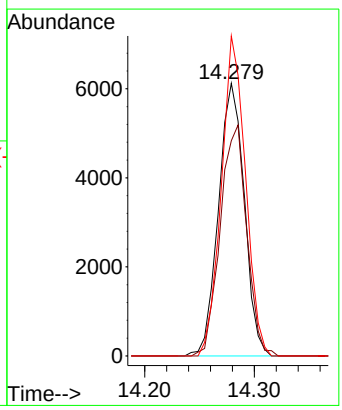


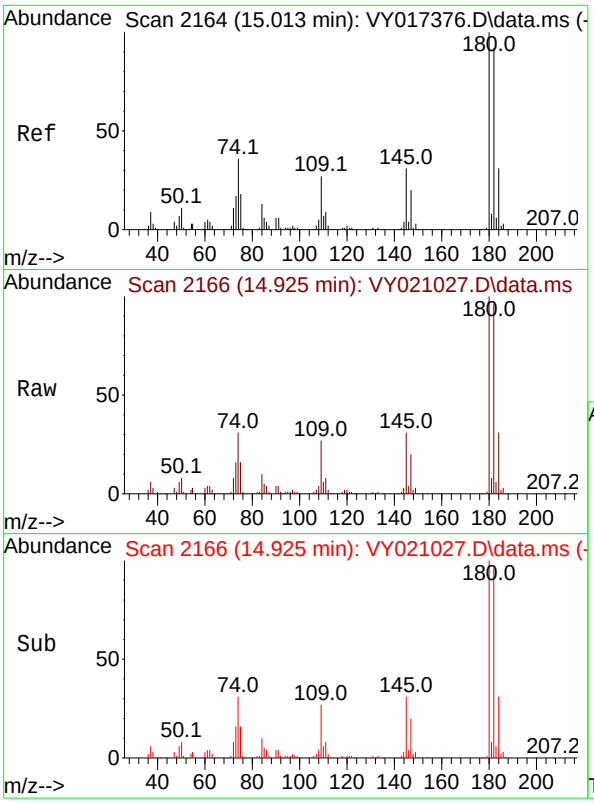




#92
1,2-Dibromo-3-Chloropropane
Concen: 45.965 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion: 75 Resp: 10000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.6 | 42.1 | 126.3 |
| 157 | 109.8 | 55.8 | 167.4 |



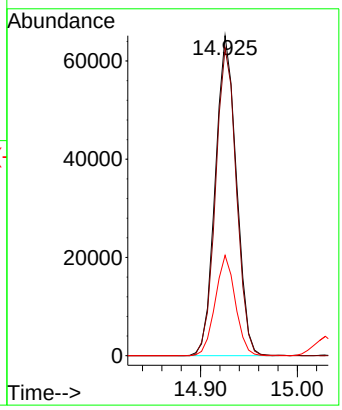


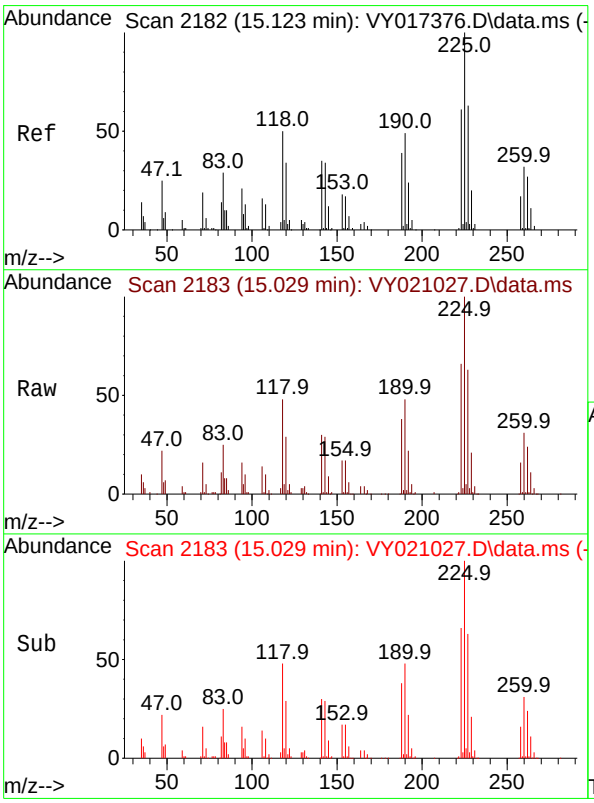

#93
1,2,4-Trichlorobenzene
Concen: 52.224 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:180 Resp: 98409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 47.9 | 143.7 |
| 145 | 29.9 | 15.9 | 47.7 |

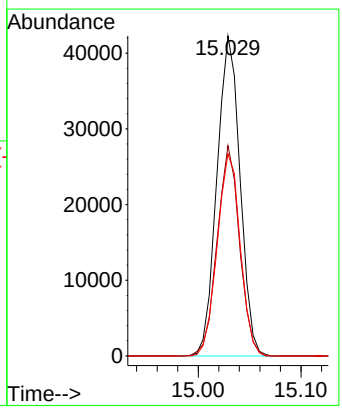


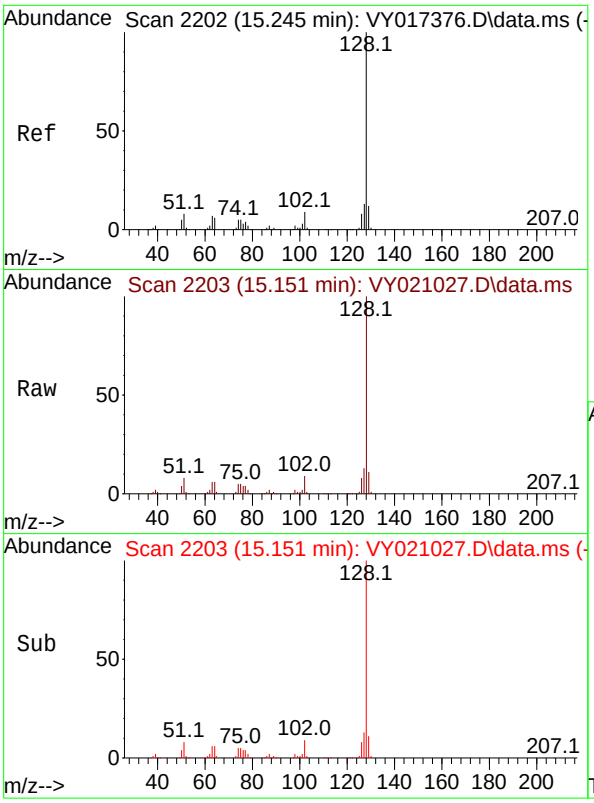




#94
Hexachlorobutadiene
Concen: 52.760 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:225 Resp: 65883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.5 | 31.4 | 94.3 |
| 227 | 63.0 | 32.3 | 96.8 |



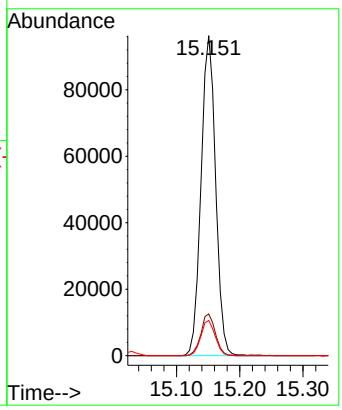


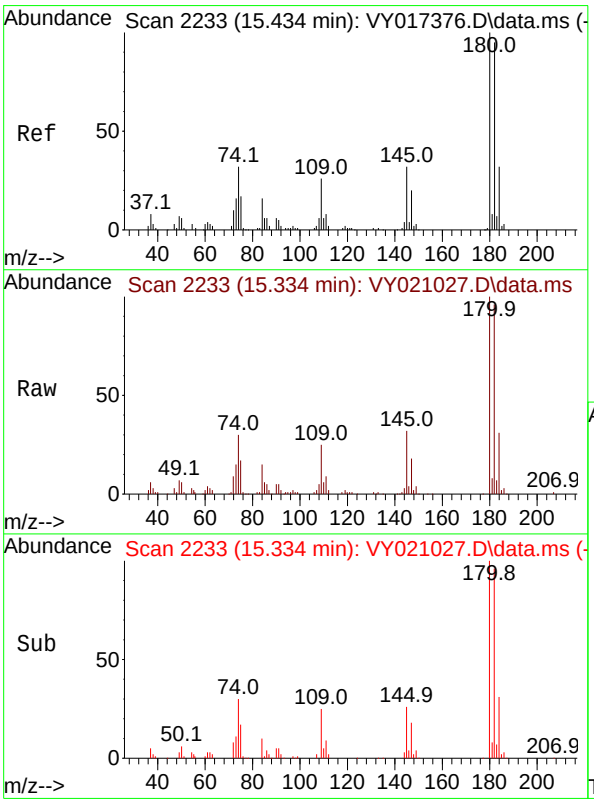

#95
Naphthalene
Concen: 51.245 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY020325

Tgt Ion:128 Resp: 154493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 12.8 |

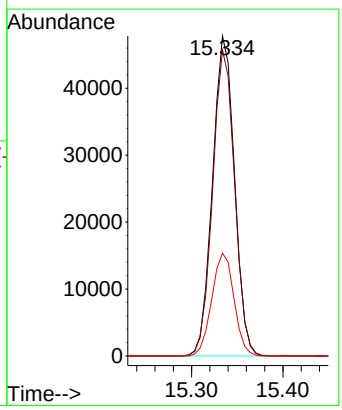



#96
1,2,3-Trichlorobenzene
Concen: 50.882 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021027.D
Acq: 03 Feb 2025 13:37

Tgt Ion:180 Resp: 79793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 46.3 | 138.8 |
| 145 | 32.5 | 16.1 | 48.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:15:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 200462 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.628 | 114 | 311138 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 266562 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152 | 126814 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.073 | 65 | 94135 | 45.832 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 91.660% | | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 93179 | 46.730 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 93.460% | | | | |
| 50) Toluene-d8 | 10.115 | 98 | 340426 | 44.845 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 89.680% | | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 117047 | 47.196 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 94.400% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.873 | 85 | 77551 | 43.405 | ug/l | | 98 |
| 3) Chloromethane | 2.074 | 50 | 86476 | 49.049 | ug/l | | 97 |
| 4) Vinyl Chloride | 2.214 | 62 | 93493 | 52.685 | ug/l | | 97 |
| 5) Bromomethane | 2.611 | 94 | 53715 | 48.974 | ug/l | | 97 |
| 6) Chloroethane | 2.745 | 64 | 57311 | 54.253 | ug/l | | 99 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 161473 | 49.946 | ug/l | | 97 |
| 8) Diethyl Ether | 3.464 | 74 | 52022 | 51.545 | ug/l | | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 98042 | 48.319 | ug/l | | 96 |
| 10) Methyl Iodide | 4.019 | 142 | 110553 | 49.042 | ug/l | | 93 |
| 11) Tert butyl alcohol | 4.903 | 59 | 31554 | 226.709 | ug/l | # | 89 |
| 12) 1,1-Dichloroethene | 3.805 | 96 | 91137 | 47.682 | ug/l | | 92 |
| 13) Acrolein | 3.665 | 56 | 38701 | 180.571 | ug/l | | 99 |
| 14) Allyl chloride | 4.397 | 41 | 164021 | 50.917 | ug/l | | 95 |
| 15) Acrylonitrile | 5.080 | 53 | 106975 | 254.538 | ug/l | | 99 |
| 16) Acetone | 3.891 | 43 | 83071 | 259.354 | ug/l | | 99 |
| 17) Carbon Disulfide | 4.122 | 76 | 255144 | 42.570 | ug/l | | 99 |
| 18) Methyl Acetate | 4.403 | 43 | 60873 | 54.139 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 5.134 | 73 | 250004 | 51.750 | ug/l | | 96 |
| 20) Methylene Chloride | 4.628 | 84 | 98938 | 49.688 | ug/l | | 94 |
| 21) trans-1,2-Dichloroethene | 5.128 | 96 | 100860 | 47.939 | ug/l | | 94 |
| 22) Diisopropyl ether | 6.031 | 45 | 349042 | 52.568 | ug/l | | 98 |
| 23) Vinyl Acetate | 5.976 | 43 | 959119 | 259.121 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 195868 | 50.349 | ug/l | | 98 |
| 25) 2-Butanone | 6.909 | 43 | 135277 | 257.014 | ug/l | | 98 |
| 26) 2,2-Dichloropropane | 6.902 | 77 | 178662 | 49.635 | ug/l | | 98 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 120858 | 49.906 | ug/l | | 92 |
| 28) Bromochloromethane | 7.256 | 49 | 78475 | 51.015 | ug/l | | 98 |
| 29) Tetrahydrofuran | 7.280 | 42 | 90325 | 253.611 | ug/l | | 95 |
| 30) Chloroform | 7.433 | 83 | 200620 | 50.208 | ug/l | | 99 |
| 31) Cyclohexane | 7.713 | 56 | 162999 | 46.529 | ug/l | | 97 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 185557 | 49.948 | ug/l | | 100 |
| 36) 1,1-Dichloropropene | 7.847 | 75 | 142250 | 48.164 | ug/l | | 99 |
| 37) Ethyl Acetate | 7.000 | 43 | 66109 | 51.024 | ug/l | | 99 |
| 38) Carbon Tetrachloride | 7.829 | 117 | 167388 | 48.505 | ug/l | | 99 |
| 39) Methylcyclohexane | 9.122 | 83 | 180580 | 49.986 | ug/l | | 96 |
| 40) Benzene | 8.091 | 78 | 424435 | 48.970 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:15:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.238 | 41 | 38118 | 50.853 ug/l | 94 |
| 42) 1,2-Dichloroethane | 8.170 | 62 | 119521 | 49.711 ug/l | 97 |
| 43) Isopropyl Acetate | 8.207 | 43 | 135143 | 52.494 ug/l # | 84 |
| 44) Trichloroethene | 8.878 | 130 | 109079 | 48.712 ug/l | 96 |
| 45) 1,2-Dichloropropane | 9.152 | 63 | 105592 | 51.328 ug/l | 96 |
| 46) Dibromomethane | 9.237 | 93 | 55920 | 49.095 ug/l | 96 |
| 47) Bromodichloromethane | 9.432 | 83 | 154682 | 50.636 ug/l | 97 |
| 48) Methyl methacrylate | 9.231 | 41 | 63766 | 54.376 ug/l | 94 |
| 49) 1,4-Dioxane | 9.250 | 88 | 11020 | 1039.289 ug/l | 92 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 338455 | 261.432 ug/l | 98 |
| 52) Toluene | 10.182 | 92 | 270409 | 49.688 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 143554 | 52.336 ug/l | 98 |
| 54) cis-1,3-Dichloropropene | 9.865 | 75 | 167429 | 51.553 ug/l | 92 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 73589 | 49.892 ug/l | 99 |
| 56) Ethyl methacrylate | 10.444 | 69 | 106288 | 53.867 ug/l # | 89 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 132165 | 51.769 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 290576 | 309.543 ug/l | 99 |
| 59) 2-Hexanone | 10.768 | 43 | 223757 | 268.437 ug/l | 96 |
| 60) Dibromochloromethane | 10.920 | 129 | 105589 | 50.976 ug/l | 85 |
| 61) 1,2-Dibromoethane | 11.024 | 107 | 67805 | 49.079 ug/l | 99 |
| 64) Tetrachloroethene | 10.658 | 164 | 94893 | 47.954 ug/l | 96 |
| 65) Chlorobenzene | 11.450 | 112 | 295517 | 49.788 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 105626 | 50.076 ug/l | 98 |
| 67) Ethyl Benzene | 11.530 | 91 | 530991 | 50.579 ug/l | 99 |
| 68) m/p-Xylenes | 11.639 | 106 | 391171 | 99.601 ug/l | 96 |
| 69) o-Xylene | 11.962 | 106 | 188775 | 51.555 ug/l | 98 |
| 70) Styrene | 11.981 | 104 | 315025 | 51.620 ug/l | 98 |
| 71) Bromoform | 12.145 | 173 | 58498 | 49.825 ug/l # | 99 |
| 73) Isopropylbenzene | 12.261 | 105 | 525075 | 53.006 ug/l | 85 |
| 74) N-amyl acetate | 12.078 | 43 | 117988 | 54.480 ug/l | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83 | 81571 | 49.512 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 109182 | 94.911 ug/l # | 100 |
| 77) Bromobenzene | 12.542 | 156 | 112364 | 49.154 ug/l | 96 |
| 78) n-propylbenzene | 12.603 | 91 | 605704 | 51.330 ug/l | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 341745 | 50.565 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 406625 | 50.629 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.316 | 75 | 119661 | 212.252 ug/l # | 48 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 373956 | 54.307 ug/l | 95 |
| 83) tert-Butylbenzene | 13.005 | 119 | 371033 | 50.825 ug/l | 95 |
| 84) 1,2,4-Trimethylbenzene | 13.054 | 105 | 405711 | 51.664 ug/l | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 547941 | 52.143 ug/l | 99 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 451592 | 51.734 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 13.298 | 146 | 220193 | 49.887 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 13.377 | 146 | 214096 | 49.263 ug/l | 100 |
| 89) n-Butylbenzene | 13.627 | 91 | 426856 | 53.602 ug/l | 99 |
| 90) Hexachloroethane | 13.889 | 117 | 93847 | 51.535 ug/l | 86 |
| 91) 1,2-Dichlorobenzene | 13.669 | 146 | 190520 | 49.731 ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75 | 12977 | 52.711 ug/l | 97 |
| 93) 1,2,4-Trichlorobenzene | 14.931 | 180 | 115371 | 54.103 ug/l | 99 |
| 94) Hexachlorobutadiene | 15.035 | 225 | 73405 | 51.945 ug/l | 100 |
| 95) Naphthalene | 15.157 | 128 | 194341 | 56.964 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 94833 | 53.438 ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:15:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

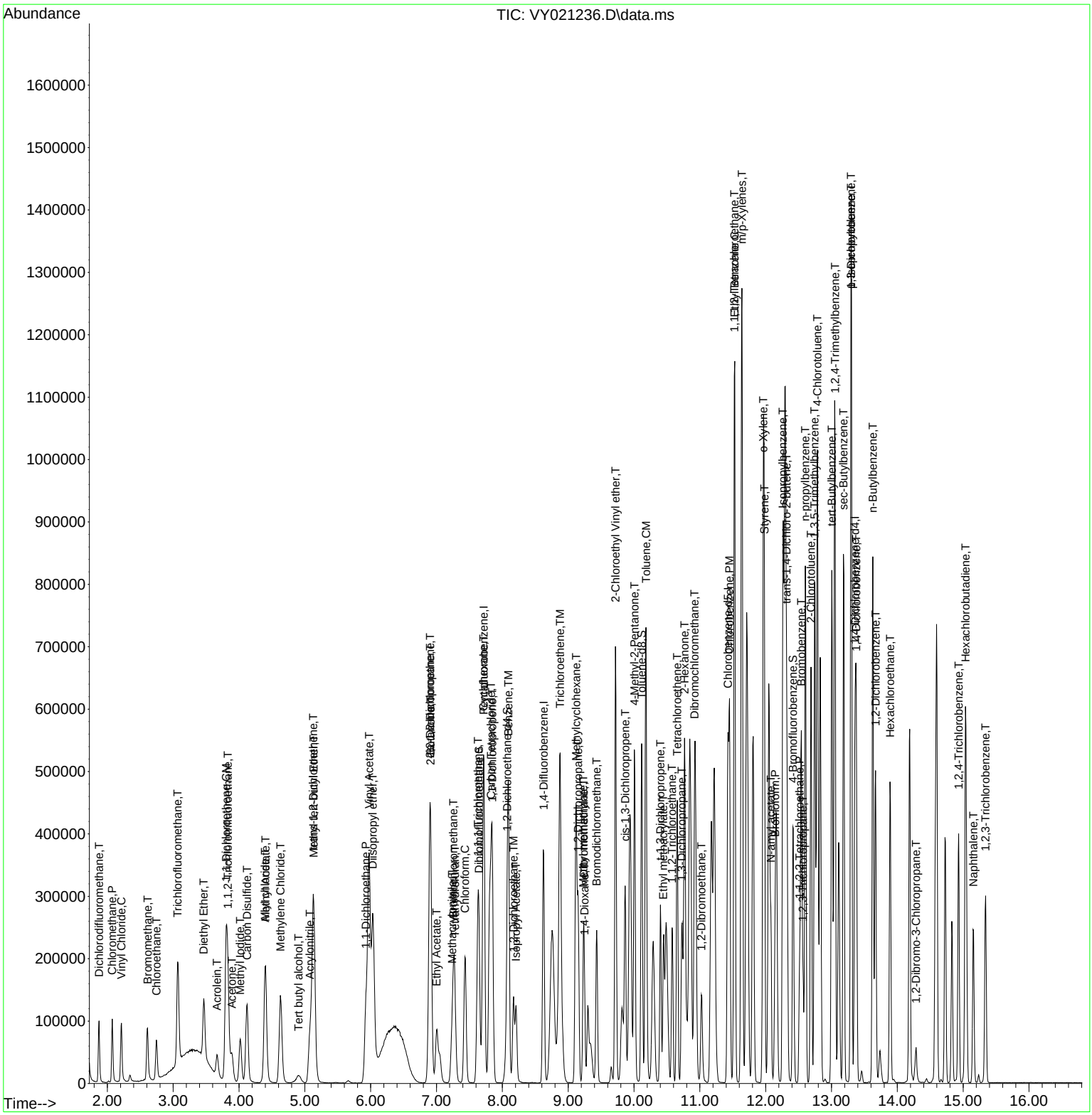
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

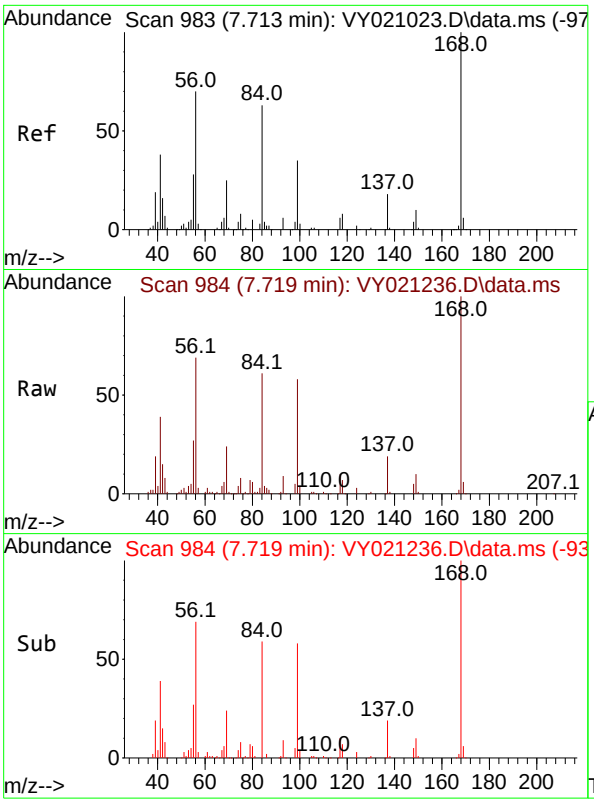
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021236.D
Acq On : 19 Feb 2025 14:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 20 00:15:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



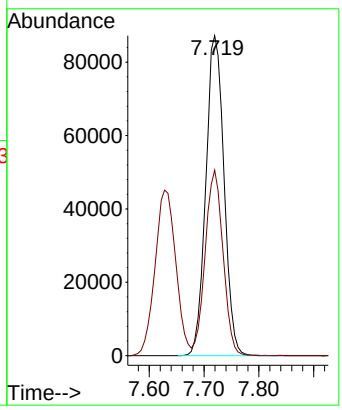


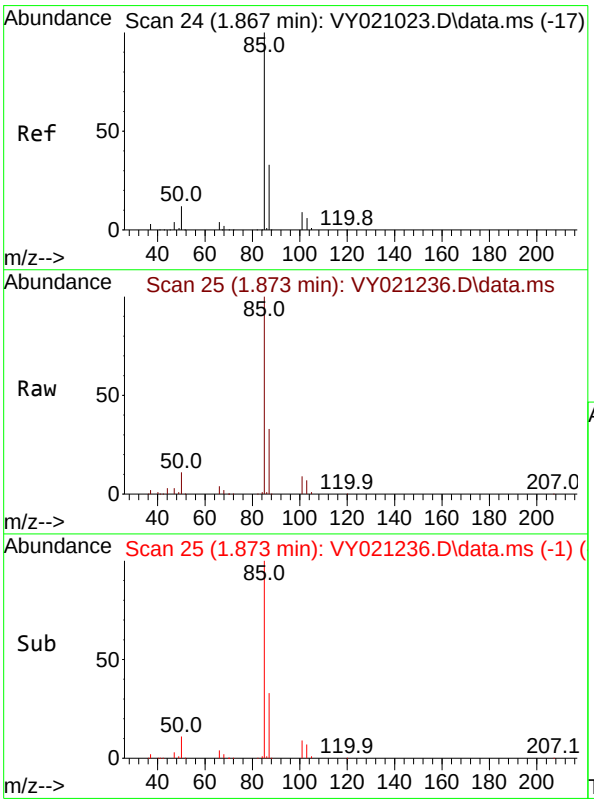

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 200462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.9 | 44.2 | 66.4 |

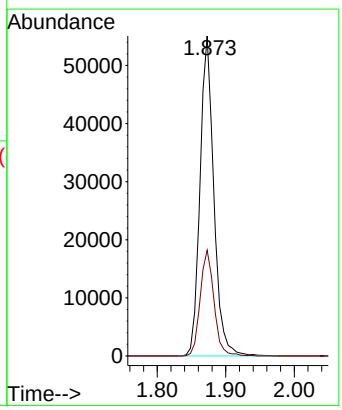


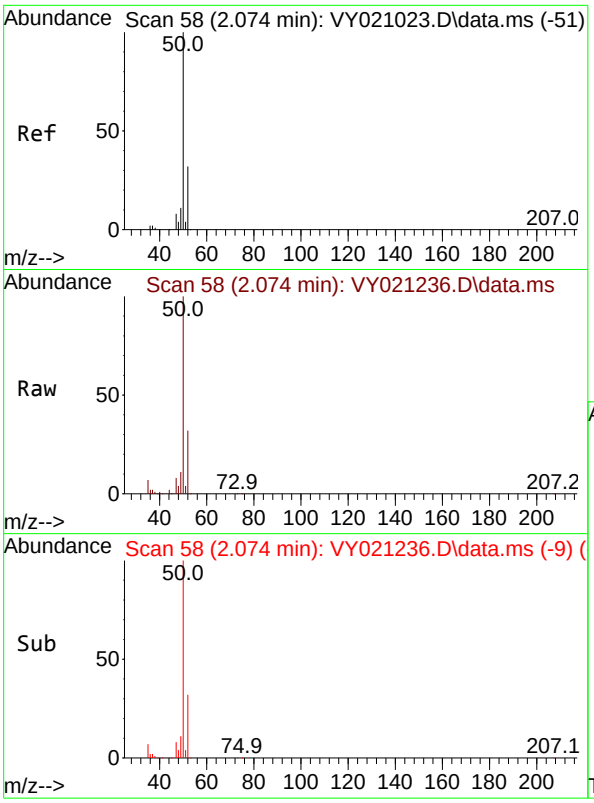




#2
Dichlorodifluoromethane
Concen: 43.405 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 85 Resp: 77551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.1 | 17.1 | 51.3 |



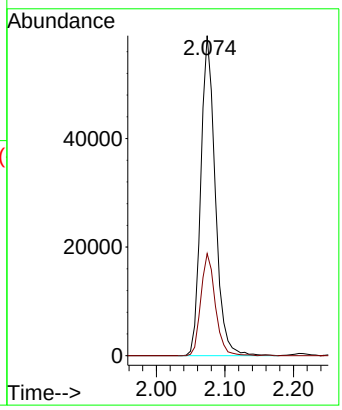


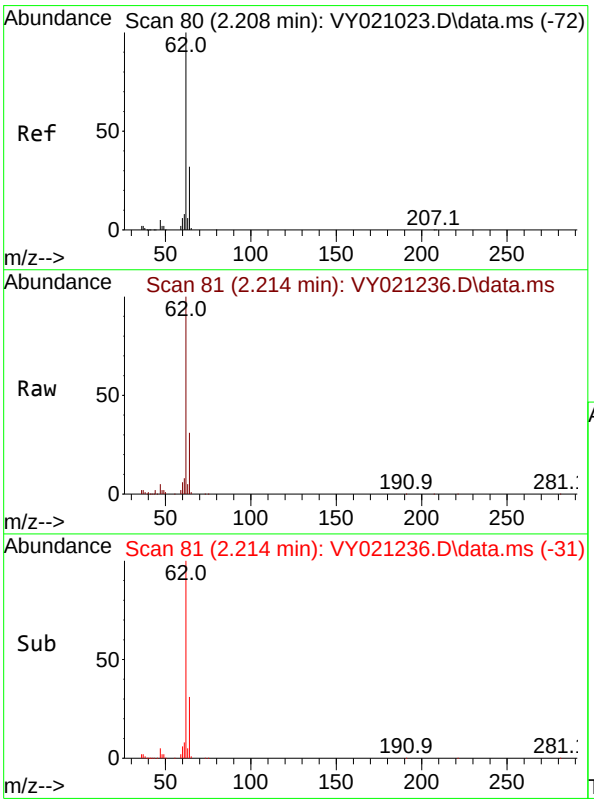

#3
Chloromethane
Concen: 49.049 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 86476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.9 | 26.7 | 40.1 |

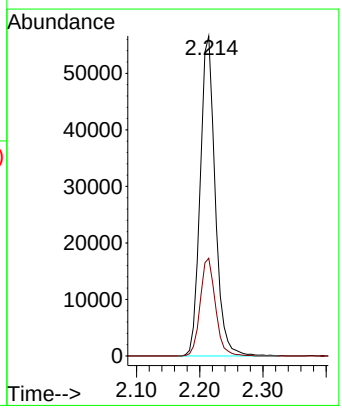


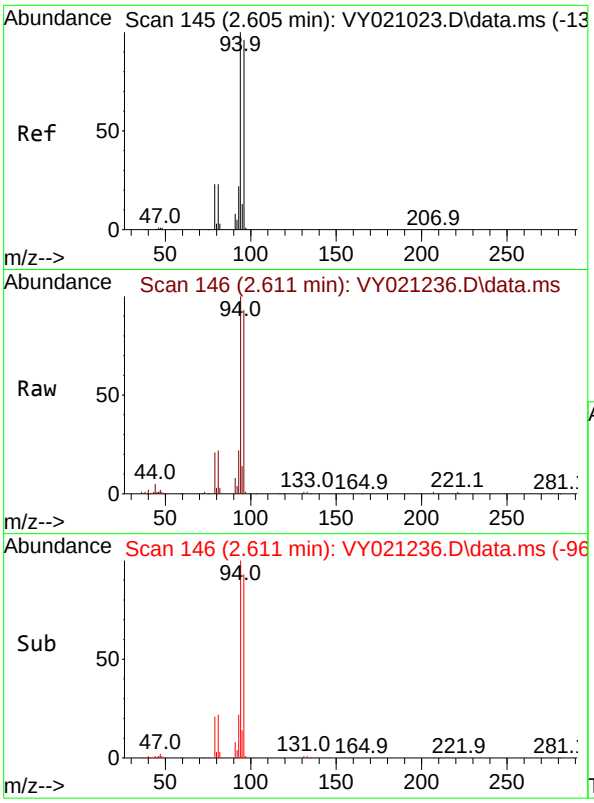




#4
Vinyl Chloride
Concen: 52.685 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 62 Resp: 93493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.6 | 25.7 | 38.5 |



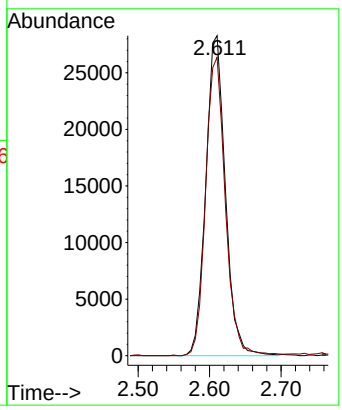


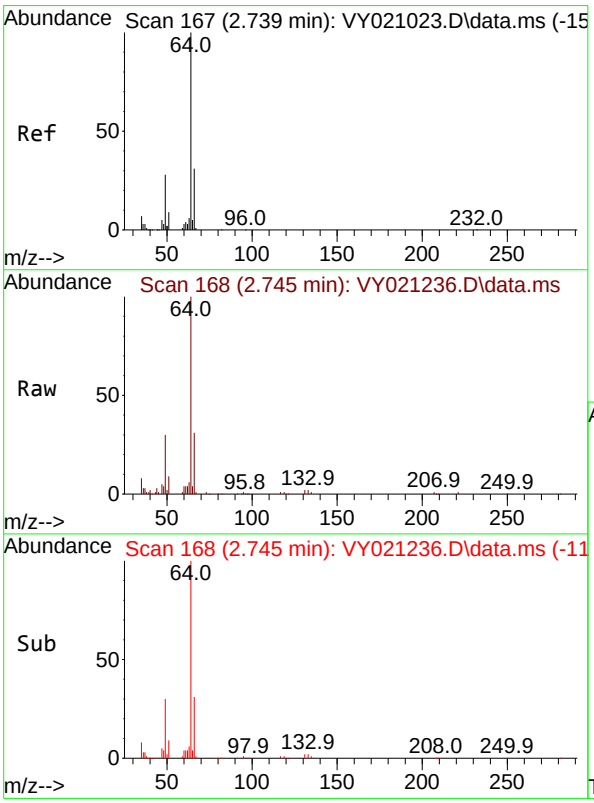

#5
Bromomethane
Concen: 48.974 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 53715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.2 | 77.3 | 115.9 |

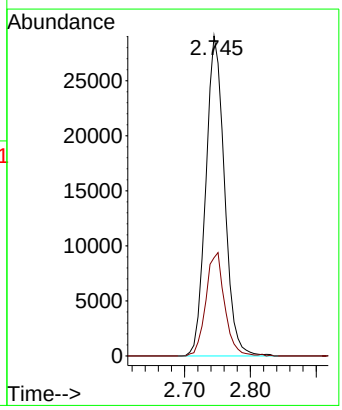


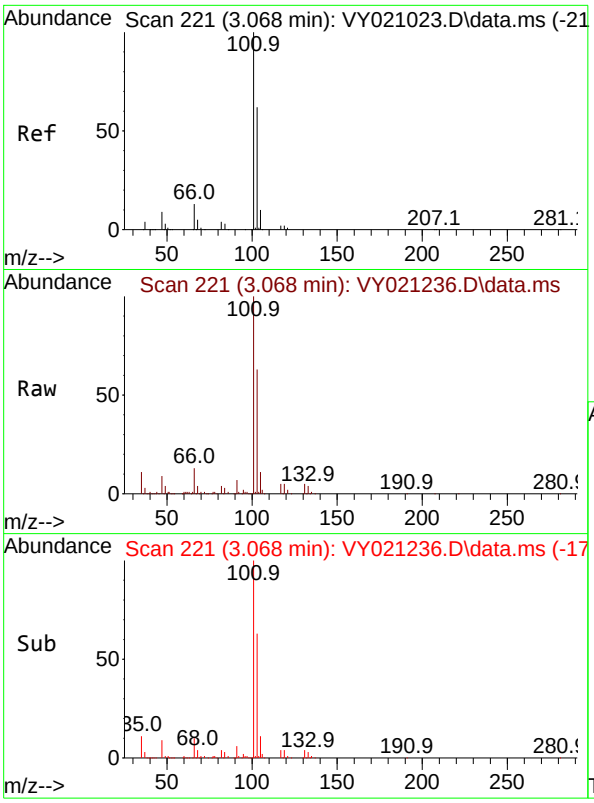




#6
Chloroethane
Concen: 54.253 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 64 Resp: 57311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.7 | 25.1 | 37.7 |



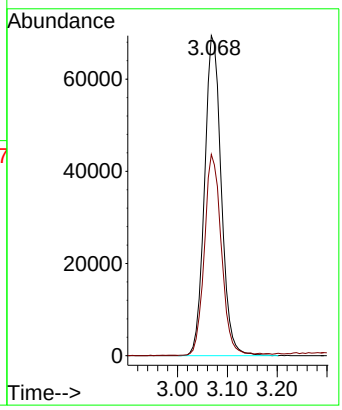


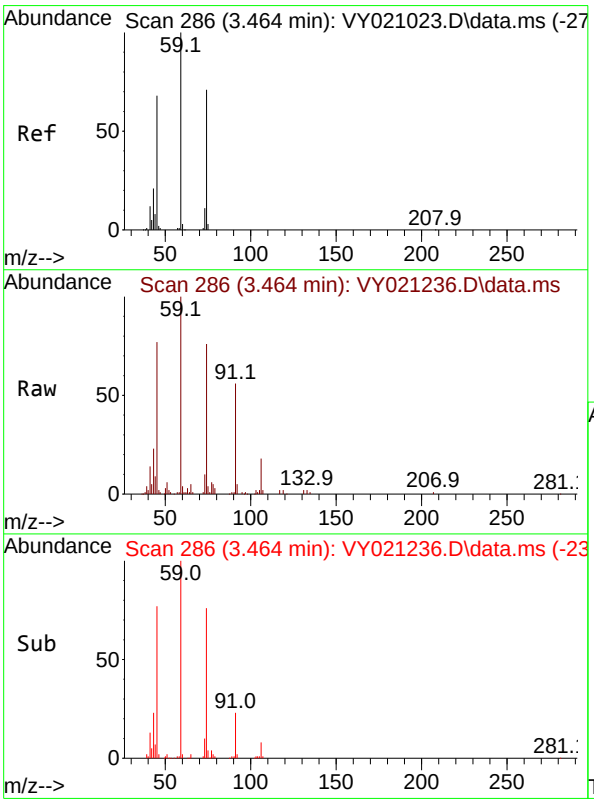

#7
Trichlorofluoromethane
Concen: 49.946 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 161473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.8 | 51.9 | 77.9 |

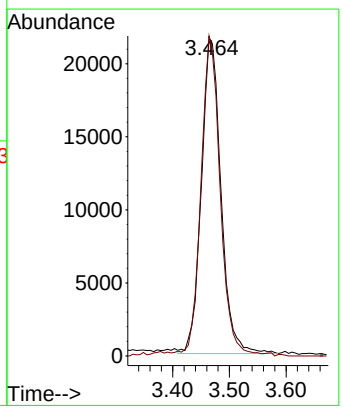


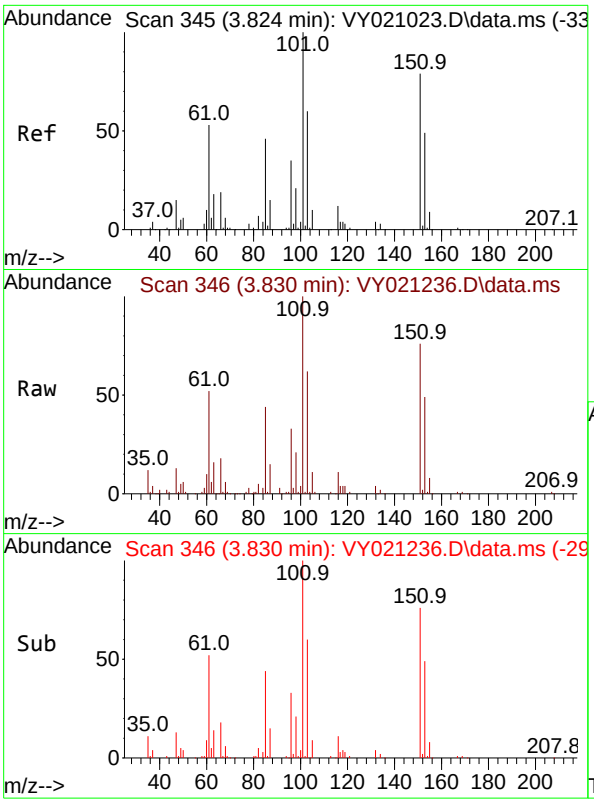




#8
Diethyl Ether
Concen: 51.545 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 74 Resp: 52022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.8 | 47.9 | 143.7 |



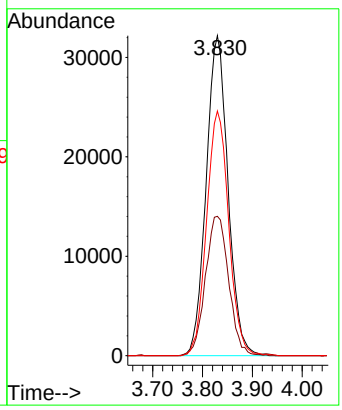


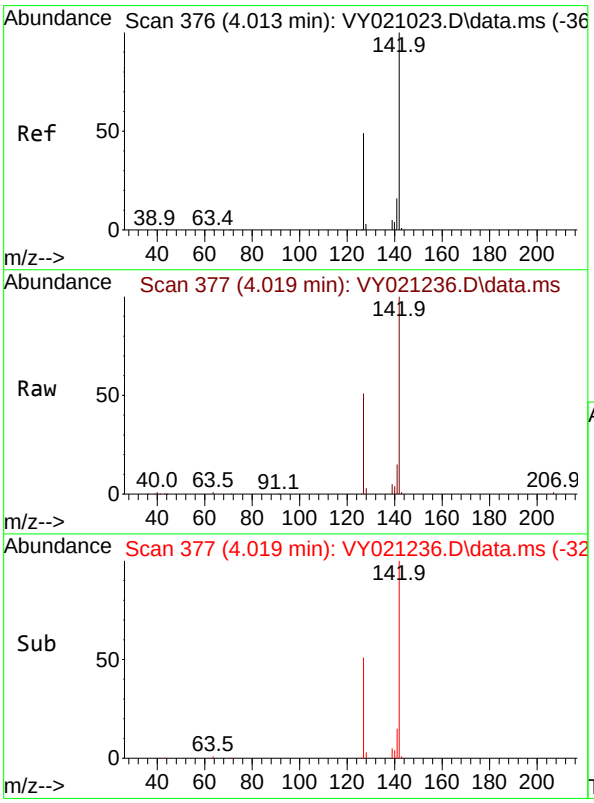

#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.319 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 98042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.4 | 35.8 | 53.6 |
| 151 | 77.5 | 58.6 | 88.0 |

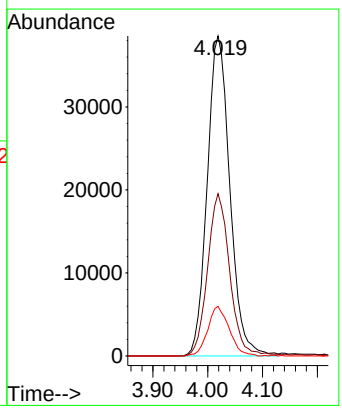


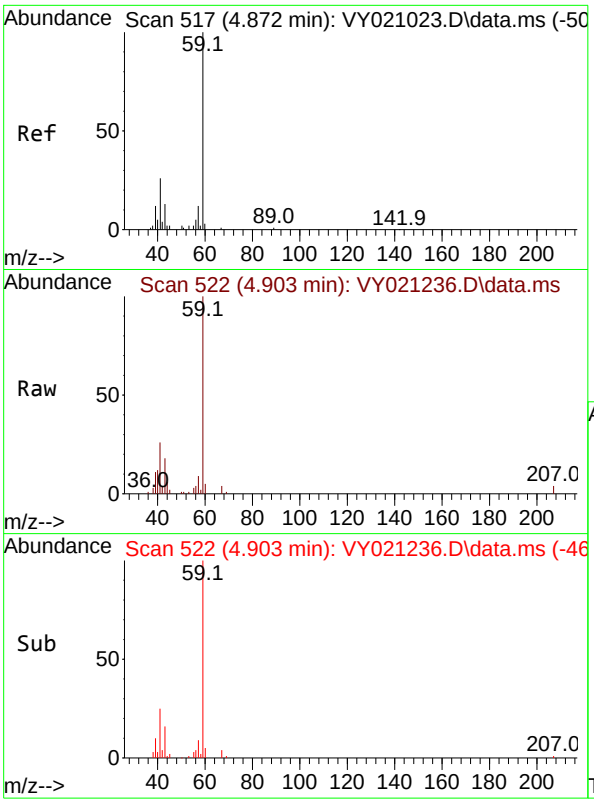




#10
Methyl Iodide
Concen: 49.042 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:142 Resp: 110553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.6 | 35.1 | 52.7 |
| 141 | 14.7 | 11.8 | 17.6 |



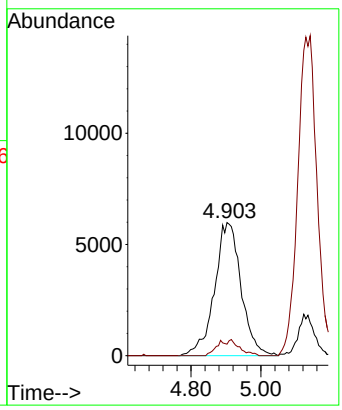


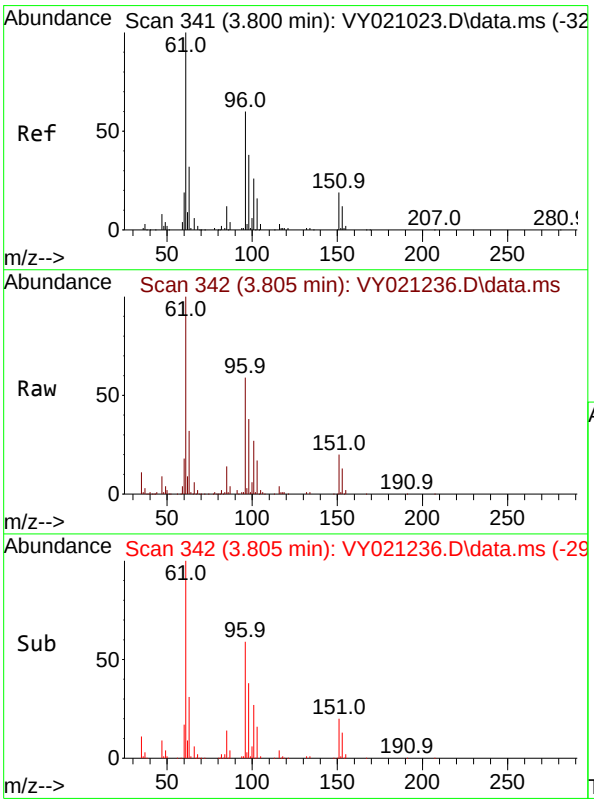

#11
Tert butyl alcohol
Concen: 226.709 ug/l
RT: 4.903 min Scan# 5
Delta R.T. 0.030 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 31554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 5.1 | 7.4 | 11.0# |

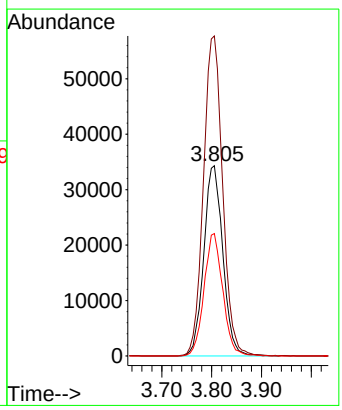


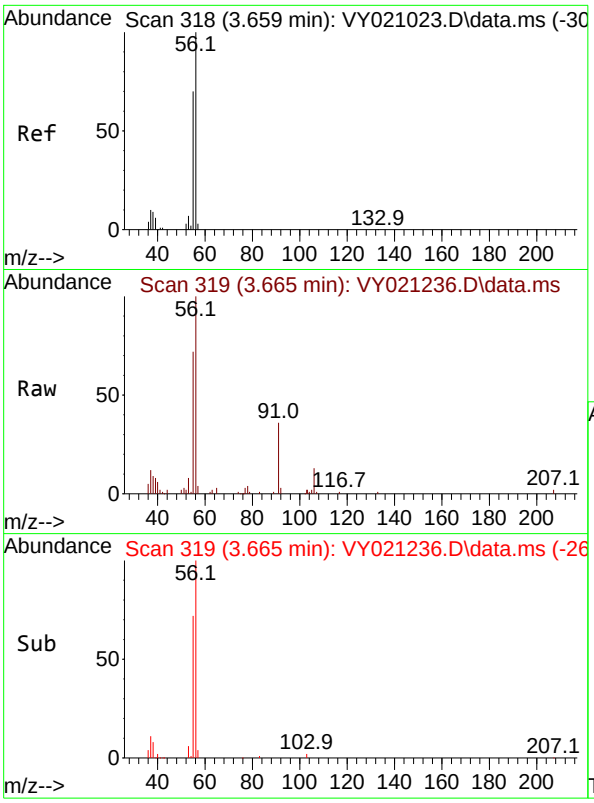




#12
1,1-Dichloroethene
Concen: 47.682 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 96 Resp: 91137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.2 | 124.2 | 186.2 |
| 98 | 64.4 | 52.6 | 79.0 |



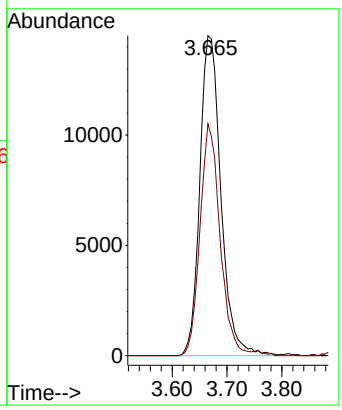


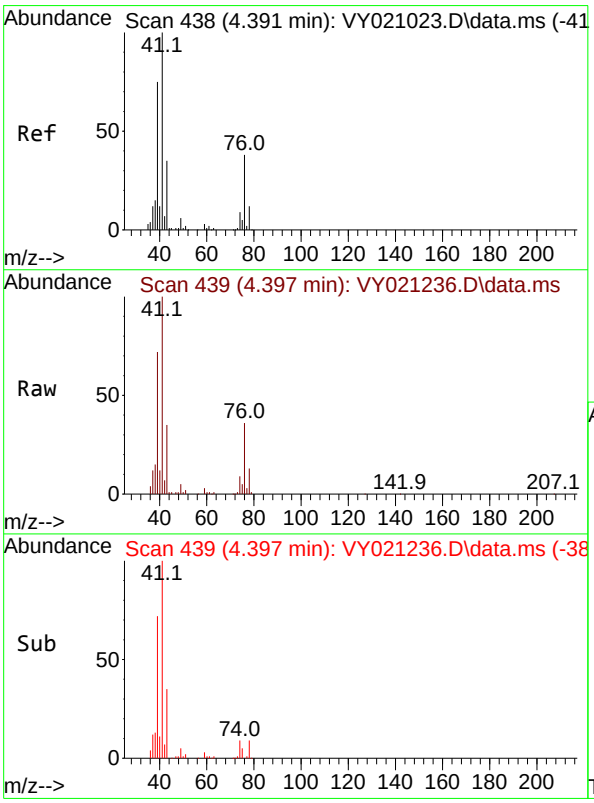

#13
Acrolein
Concen: 180.571 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 38701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.7 | 55.4 | 83.0 |

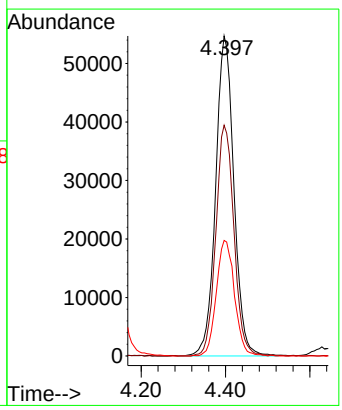


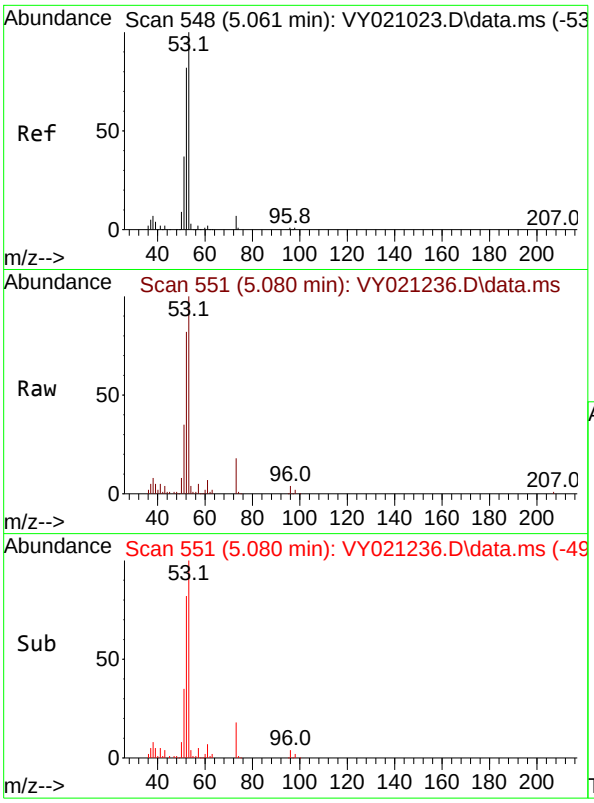




#14
Allyl chloride
Concen: 50.917 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 41 Resp: 164021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 71.5 | 54.7 | 82.1 |
| 76 | 35.9 | 31.8 | 47.6 |



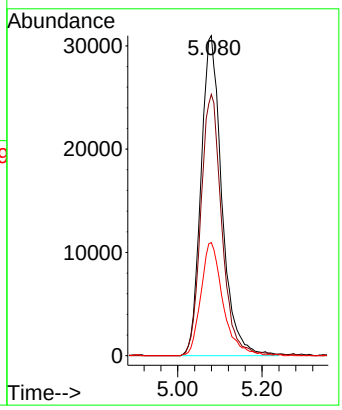


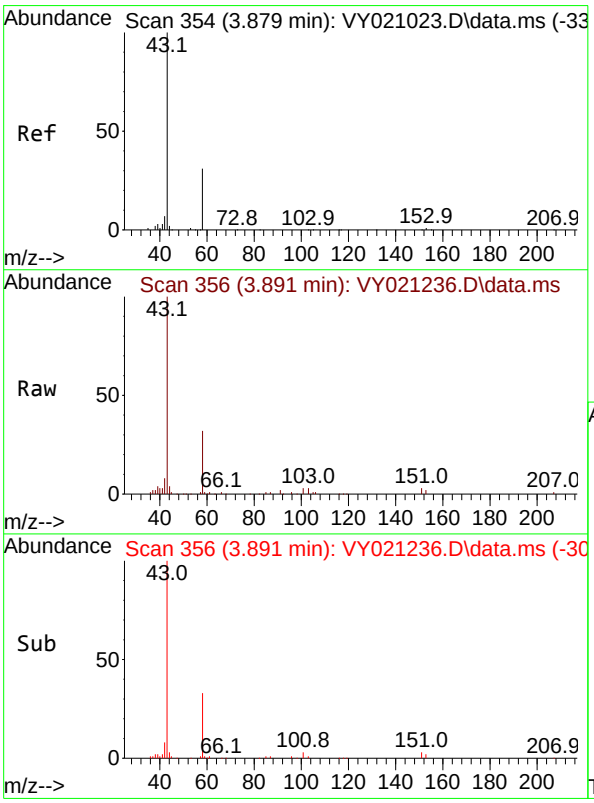

#15
Acrylonitrile
Concen: 254.538 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 106975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.2 | 65.1 | 97.7 |
| 51 | 37.3 | 29.0 | 43.4 |

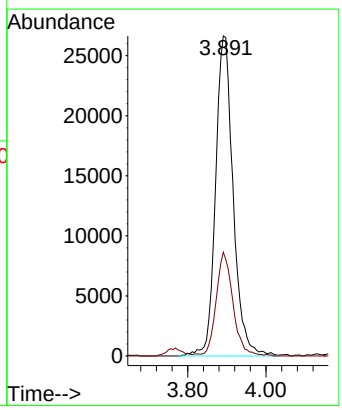


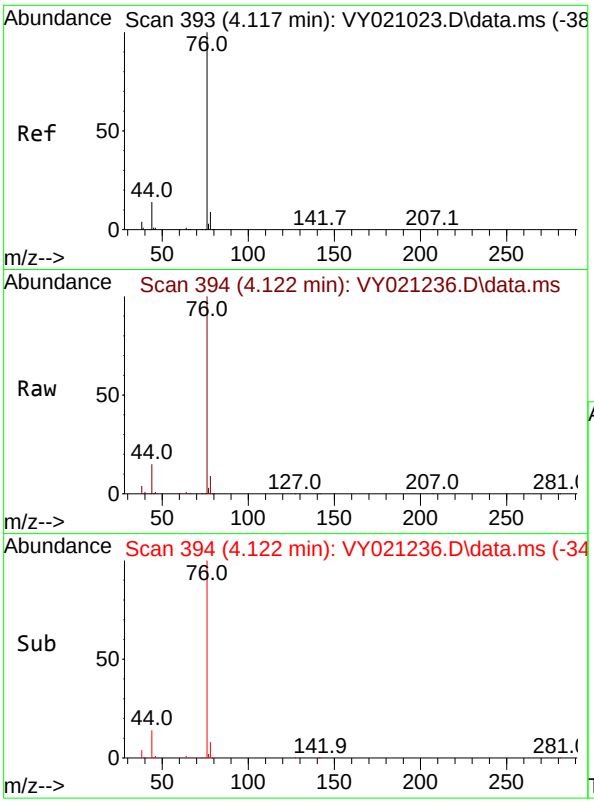




#16
Acetone
Concen: 259.354 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 83071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.4 | 26.6 | 39.8 |



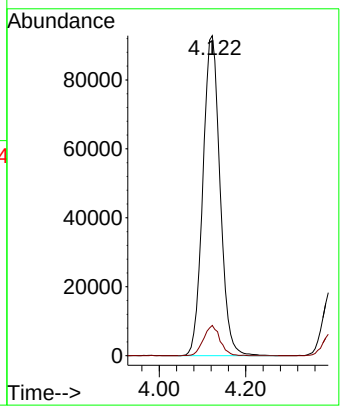


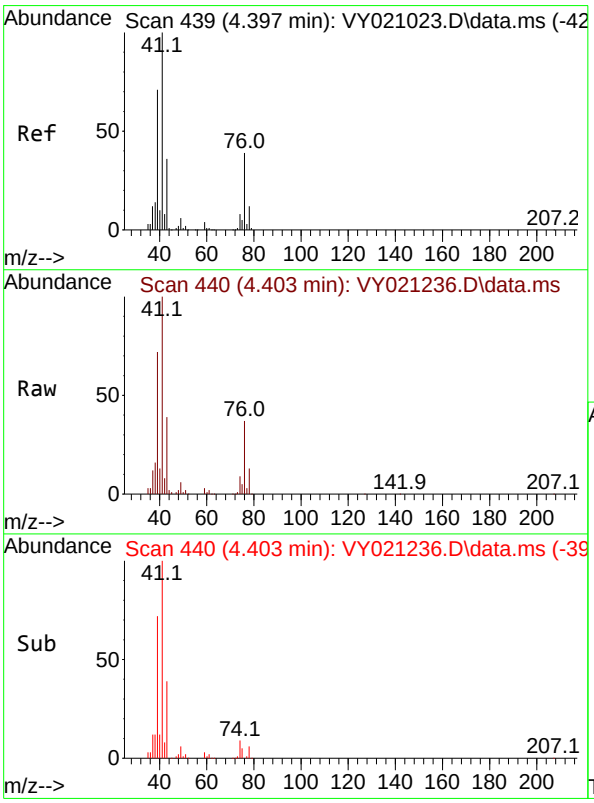

#17
Carbon Disulfide
Concen: 42.570 ug/l
RT: 4.122 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 255144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.4 | 11.0 |

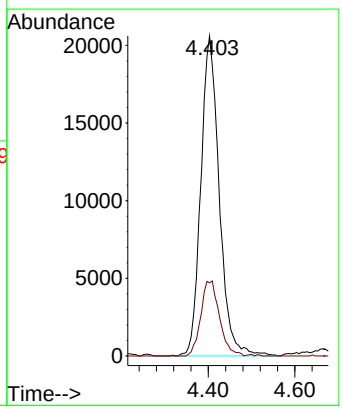


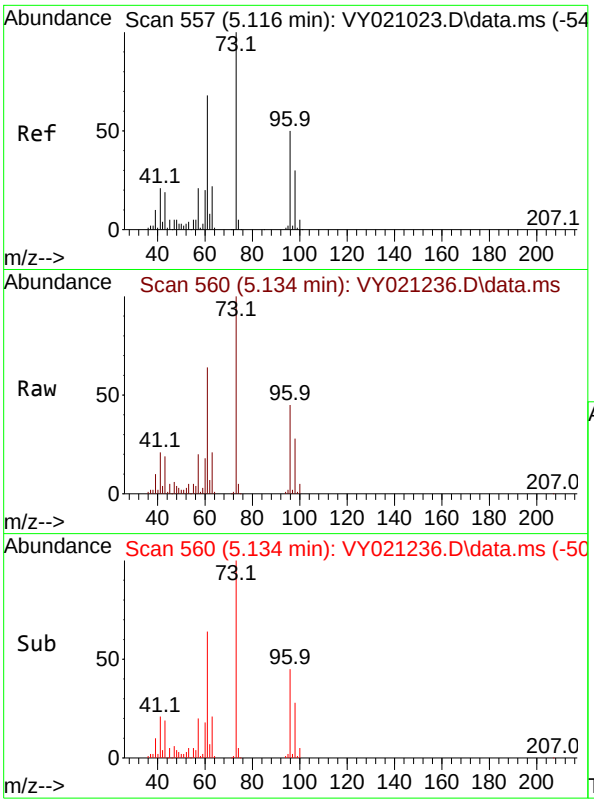




#18
Methyl Acetate
Concen: 54.139 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 60873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 19.8 | 29.6 |



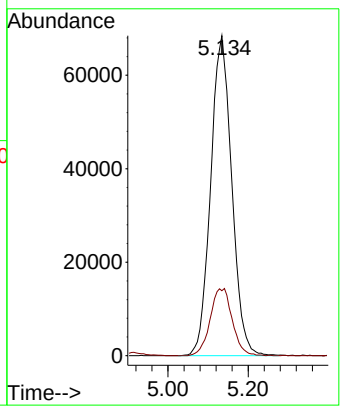


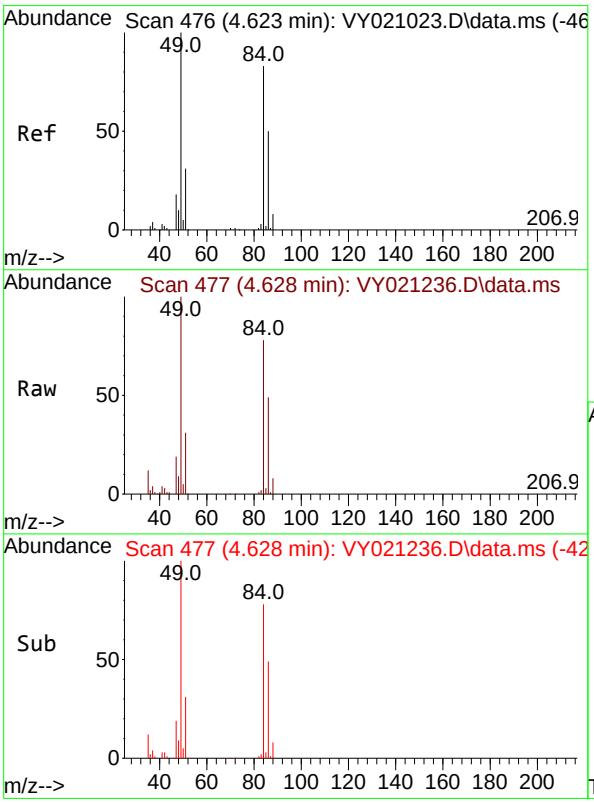

#19
Methyl tert-butyl Ether
Concen: 51.750 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 250004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 17.7 | 26.5 |

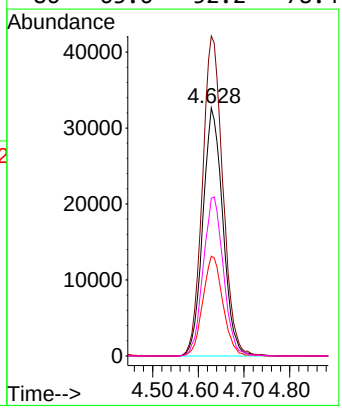


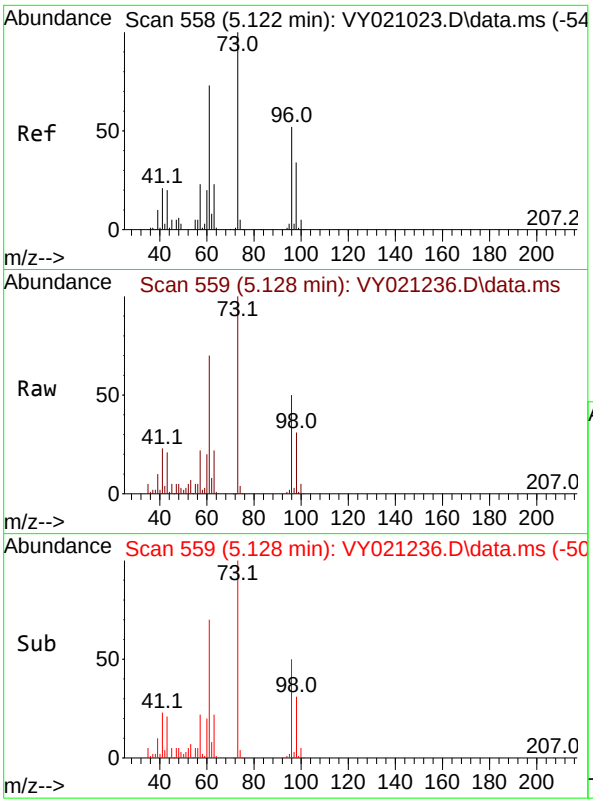




#20
Methylene Chloride
Concen: 49.688 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 84 Resp: 98938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.0 | 95.2 | 142.8 |
| 51 | 40.3 | 29.9 | 44.9 |
| 86 | 63.6 | 52.2 | 78.4 |



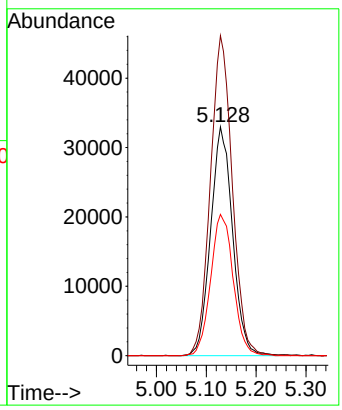


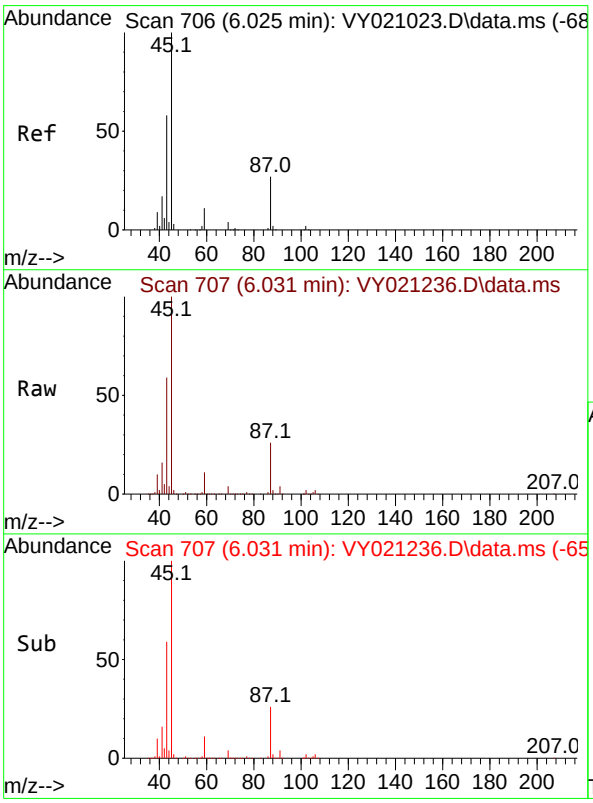

#21
trans-1,2-Dichloroethene
Concen: 47.939 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 100860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.9 | 104.6 | 156.8 |
| 98 | 61.7 | 50.9 | 76.3 |

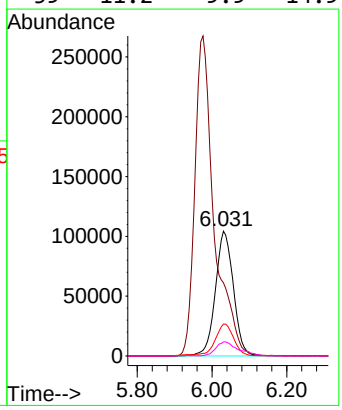


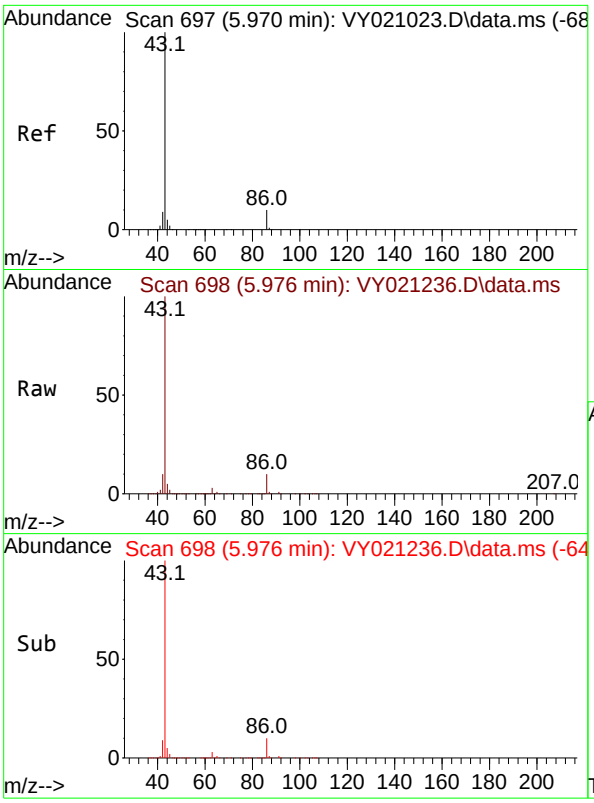




#22
Diisopropyl ether
Concen: 52.568 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 45 Resp: 349042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 58.3 | 46.8 | 70.2 |
| 87 | 25.5 | 22.2 | 33.2 |
| 59 | 11.2 | 9.9 | 14.9 |



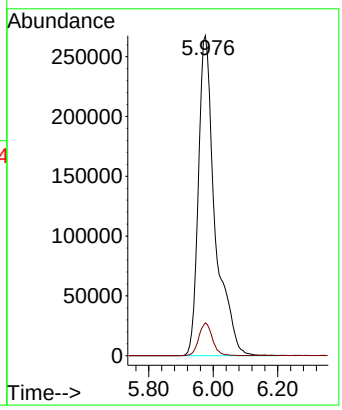


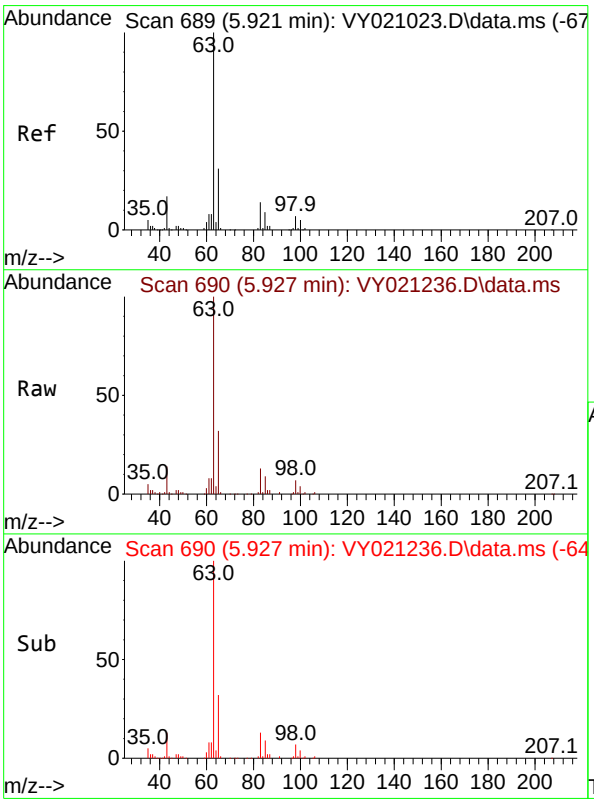

#23
Vinyl Acetate
Concen: 259.121 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 959119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.3 | 8.6 | 13.0 |

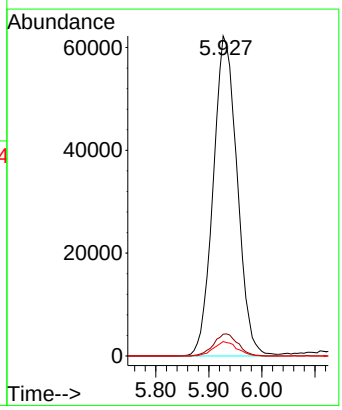


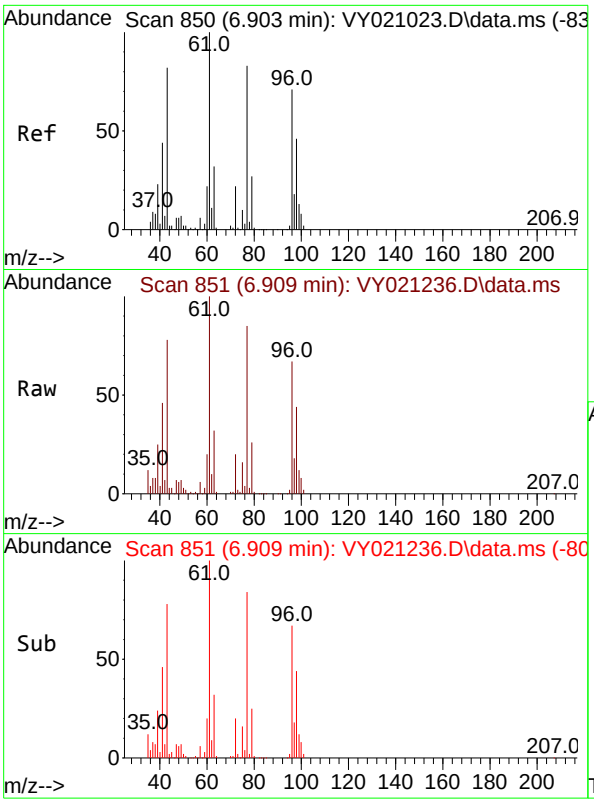




#24
1,1-Dichloroethane
Concen: 50.349 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 63 Resp: 195868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.8 | 11.4 |
| 100 | 4.5 | 2.1 | 6.2 |



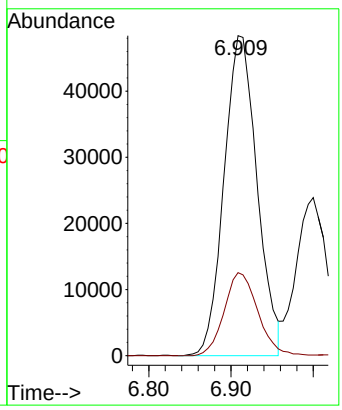


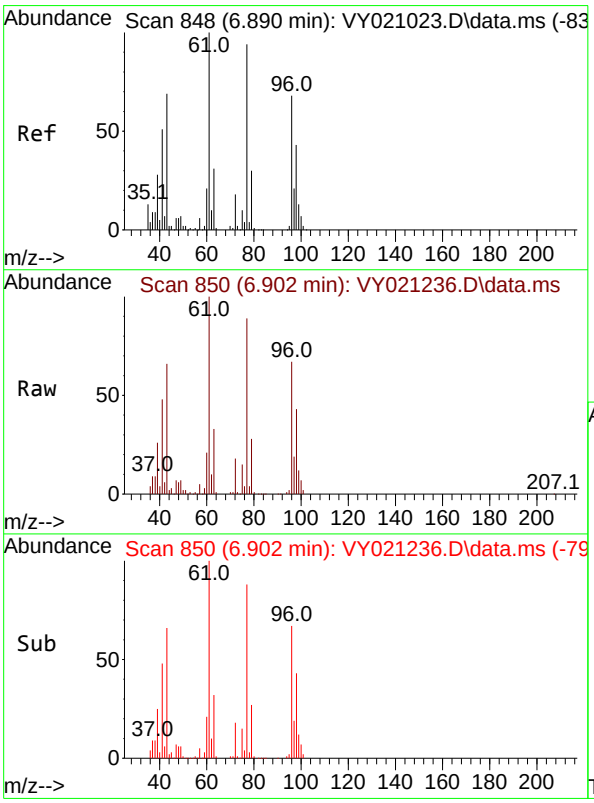

#25
2-Butanone
Concen: 257.014 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 135277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.9 | 21.4 | 32.2 |

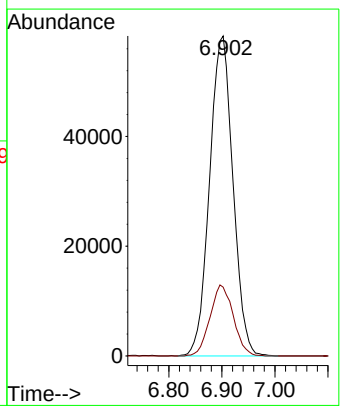


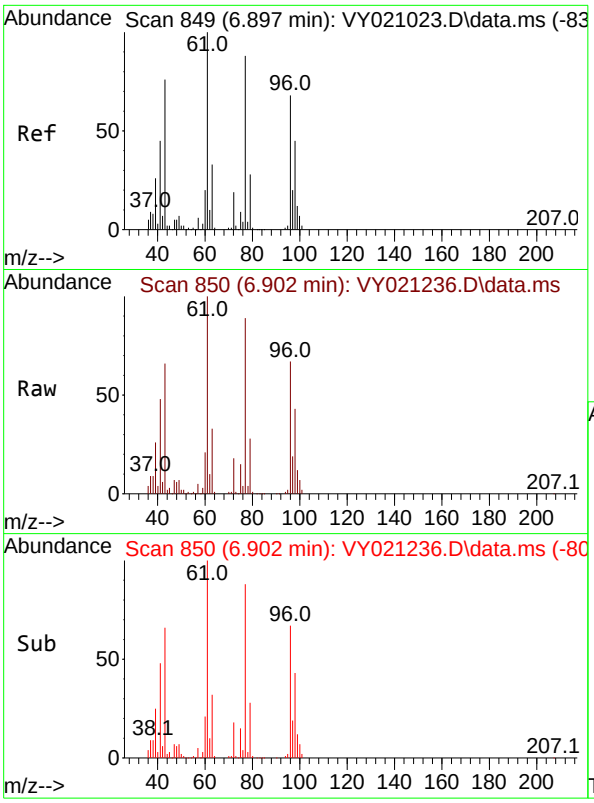




#26
2,2-Dichloropropane
Concen: 49.635 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 77 Resp: 178662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 11.7 | 35.0 |



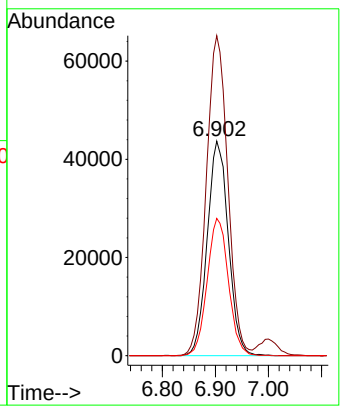


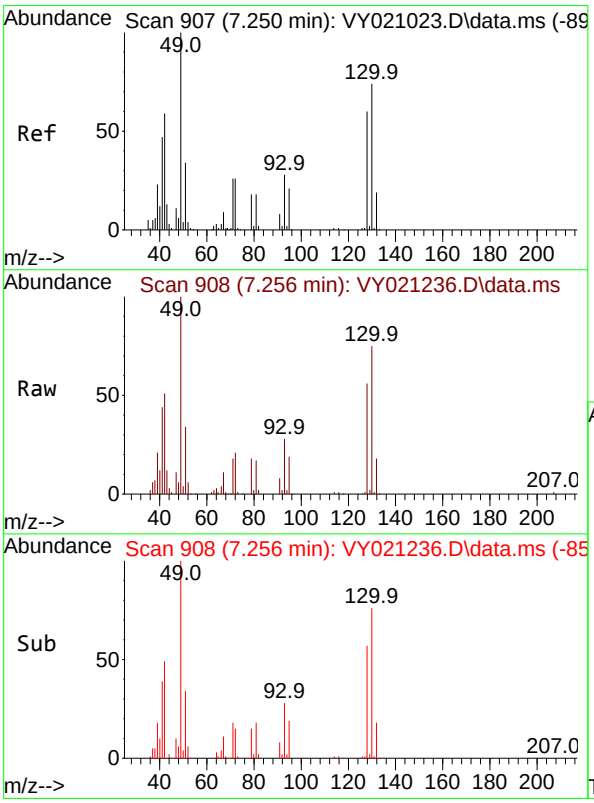

#27
cis-1,2-Dichloroethene
Concen: 49.906 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 120858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.0 | 0.0 | 278.8 |
| 98 | 64.5 | 0.0 | 127.0 |

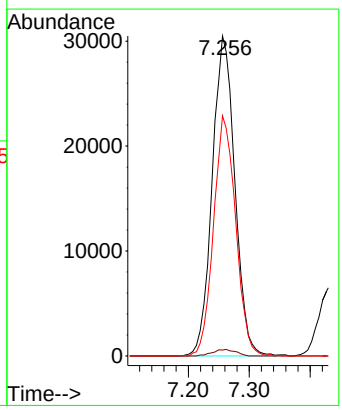


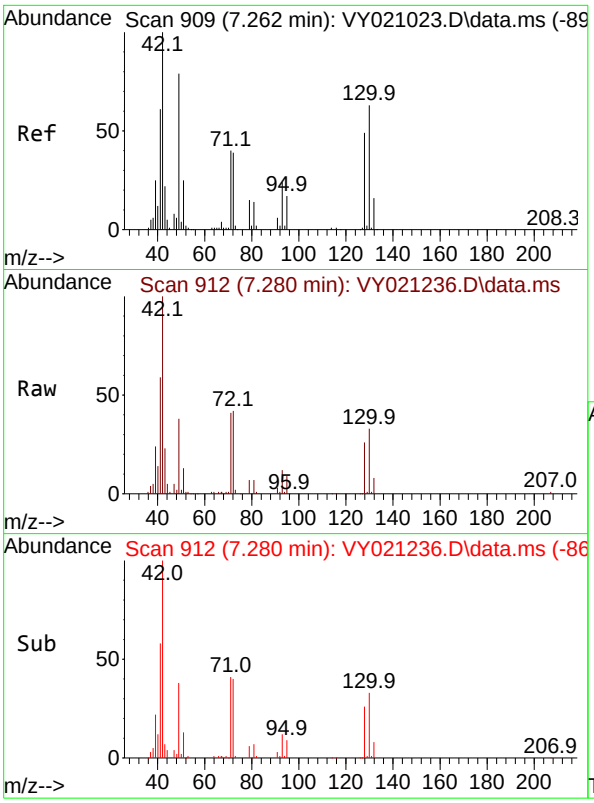




#28
Bromochloromethane
Concen: 51.015 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 49 Resp: 78475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 3.8 |
| 130 | 73.4 | 59.8 | 89.8 |



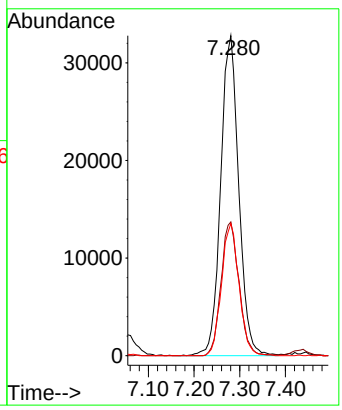


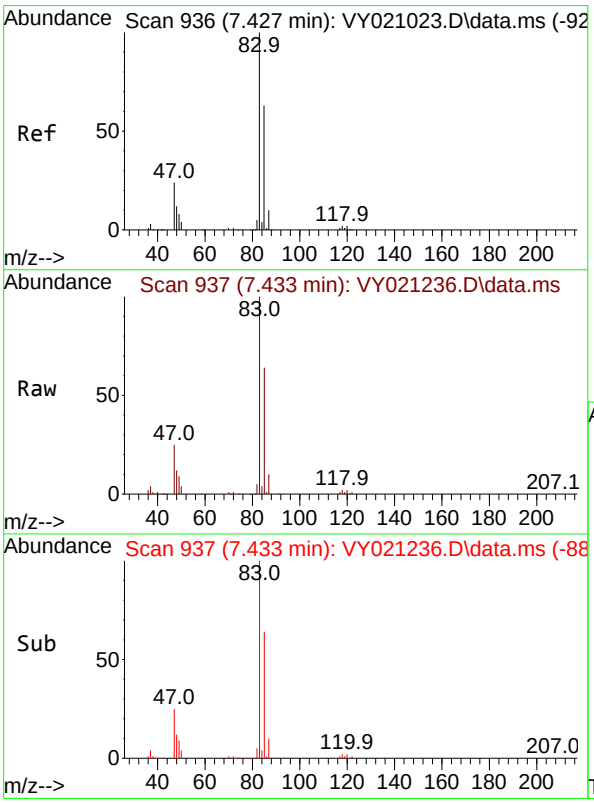

#29
Tetrahydrofuran
Concen: 253.611 ug/l
RT: 7.280 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 90325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.4 | 36.6 | 54.8 |
| 71 | 40.0 | 33.8 | 50.6 |

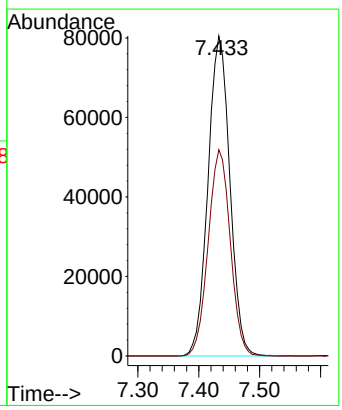


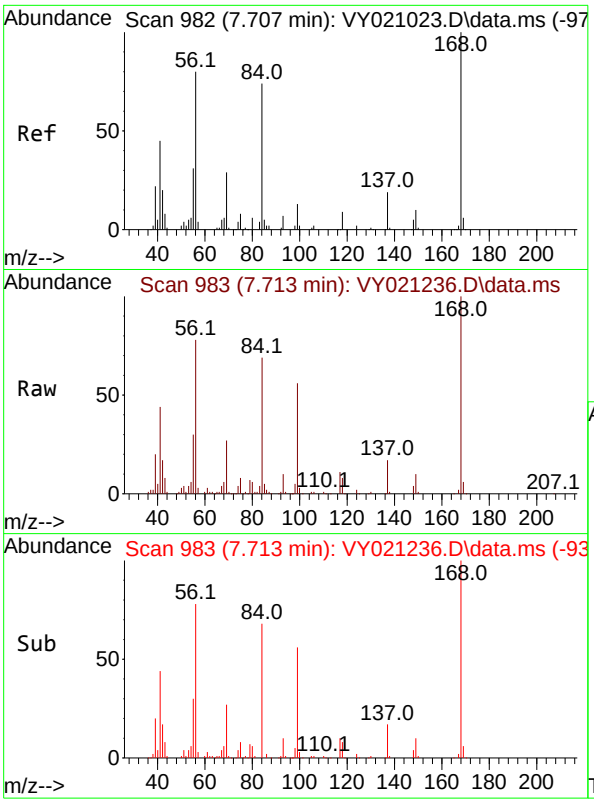




#30
Chloroform
Concen: 50.208 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 83 Resp: 200620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.2 | 76.8 |



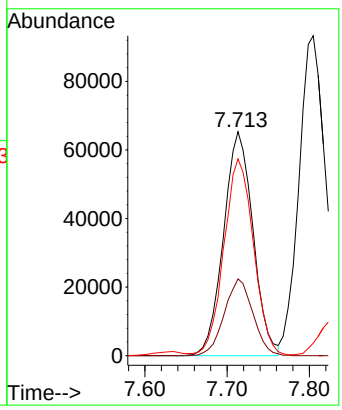


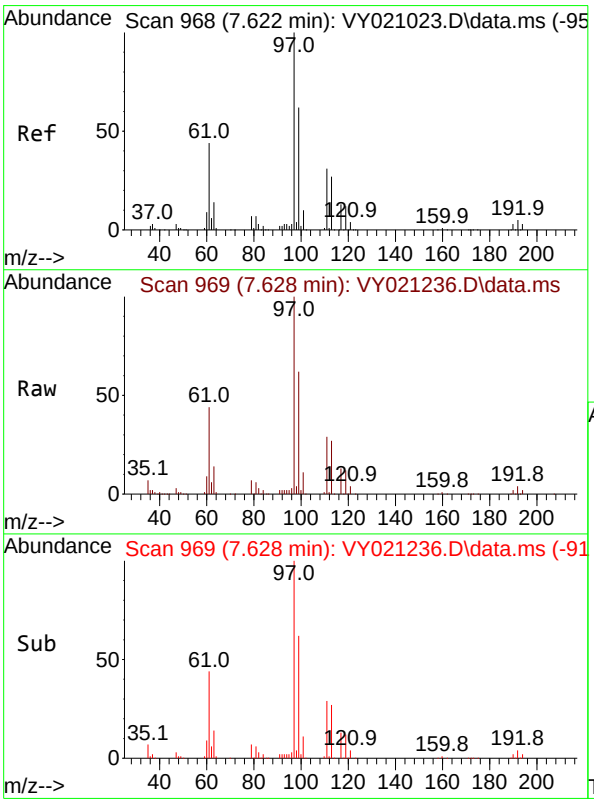

#31
Cyclohexane
Concen: 46.529 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 162999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 34.3 | 27.0 | 40.6 |
| 84 | 86.4 | 71.8 | 107.6 |

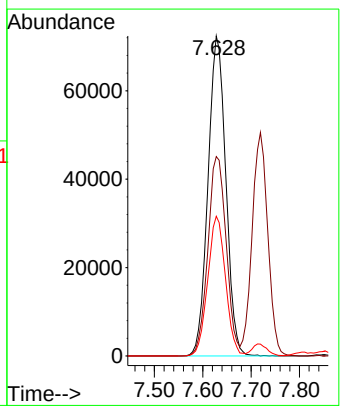


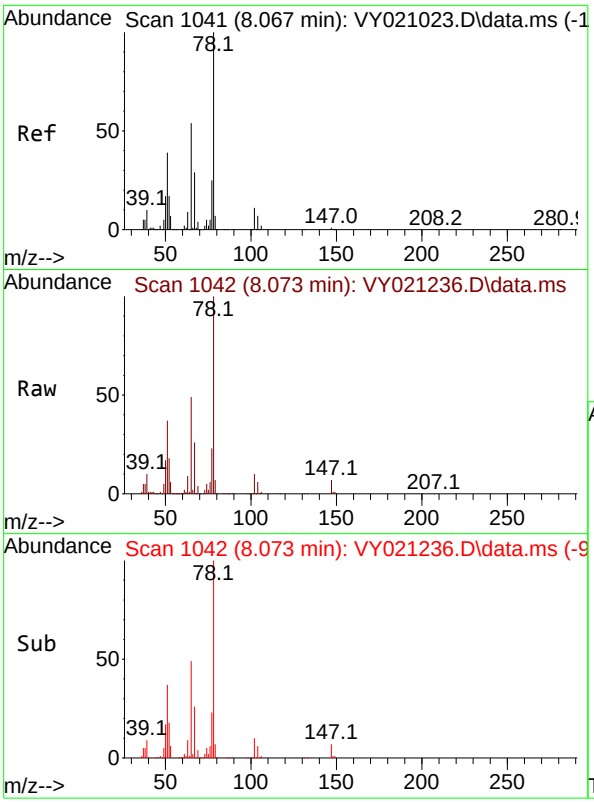




#32
1,1,1-Trichloroethane
Concen: 49.948 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 97 Resp: 185557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 51.2 | 76.8 |
| 61 | 43.6 | 35.0 | 52.6 |



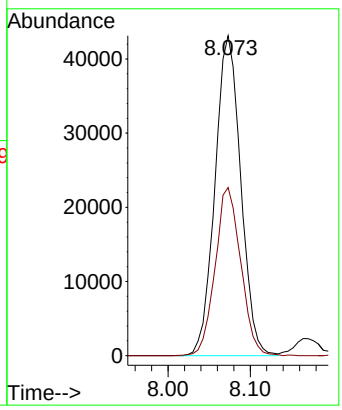


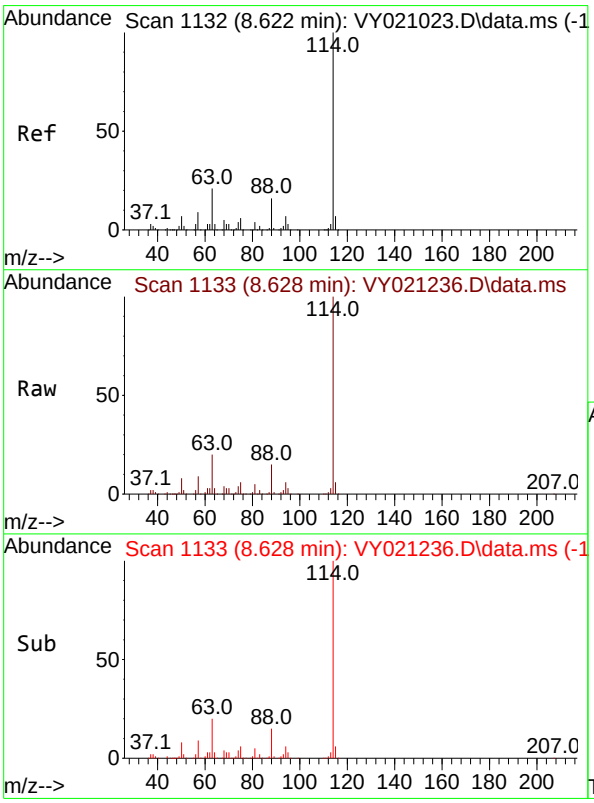

#33
1,2-Dichloroethane-d4
Concen: 45.832 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 94135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 109.0 |

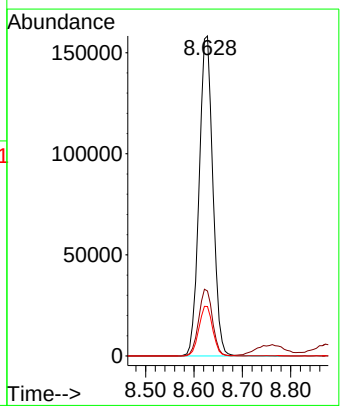


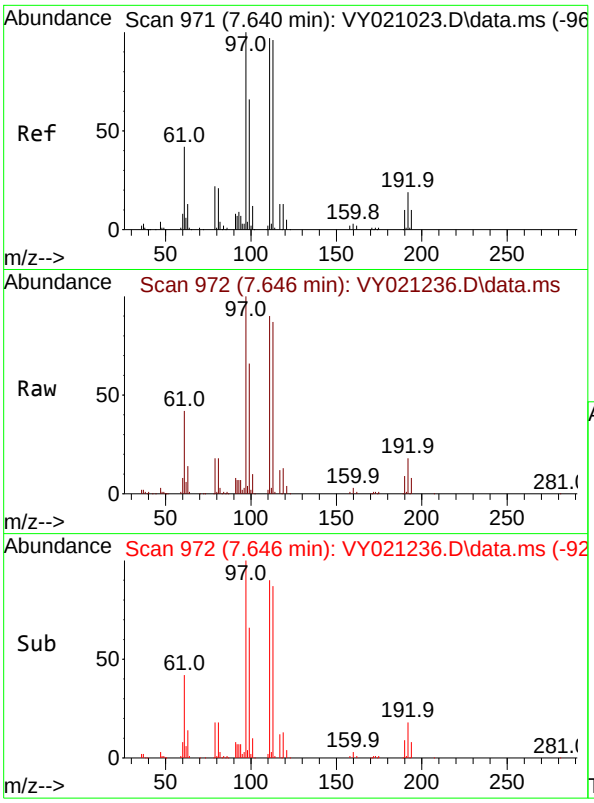




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:114 Resp: 311138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 37.4 |
| 88 | 15.5 | 0.0 | 29.0 |



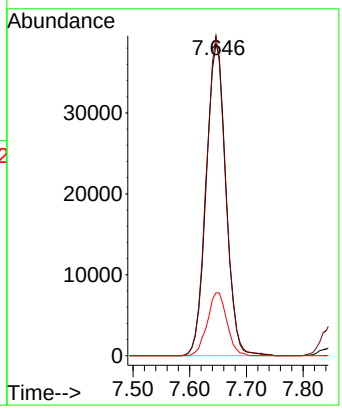


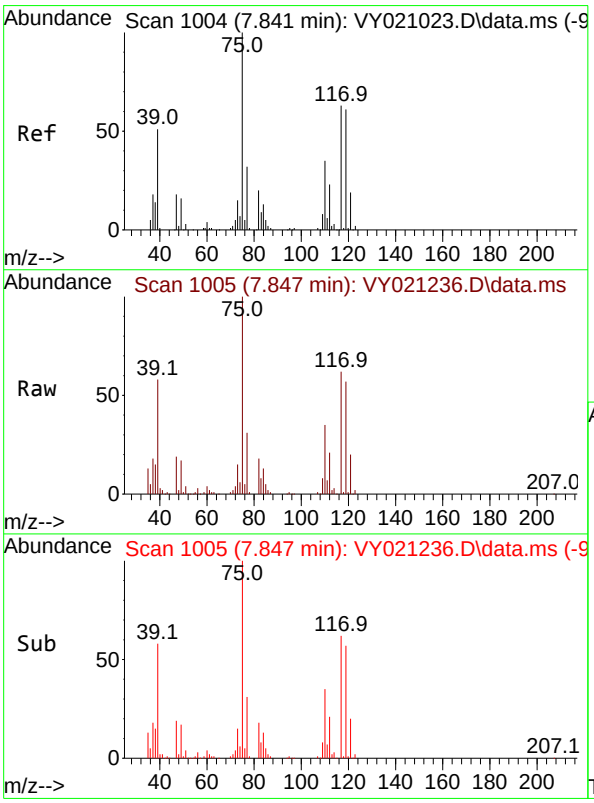

#35
Dibromofluoromethane
Concen: 46.730 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 93179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.7 | 83.8 | 125.6 |
| 192 | 20.0 | 14.5 | 21.7 |

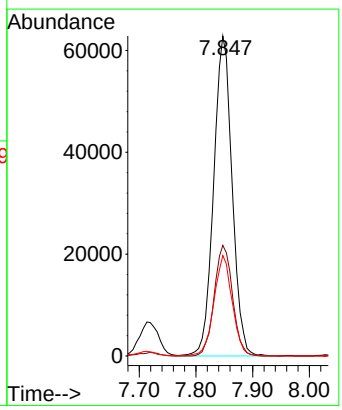


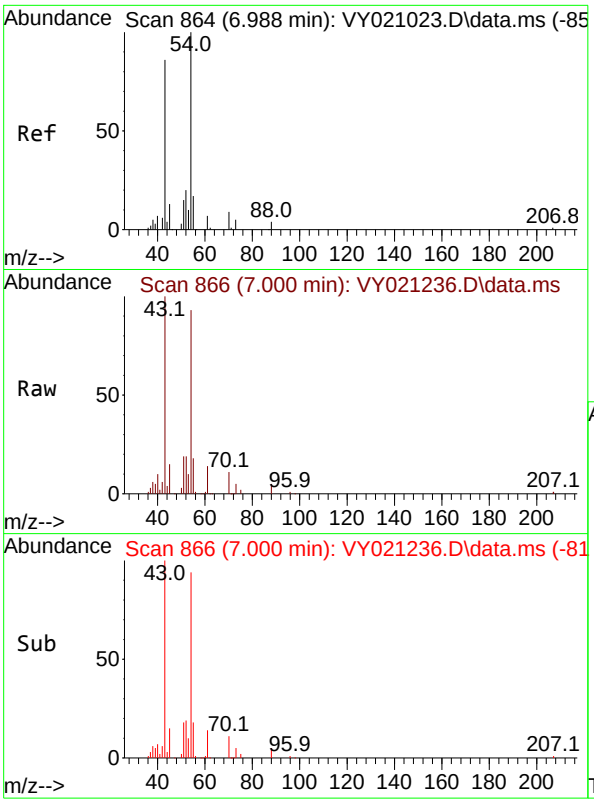




#36
1,1-Dichloropropene
Concen: 48.164 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 142250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 17.4 | 52.3 |
| 77 | 31.2 | 24.7 | 37.1 |



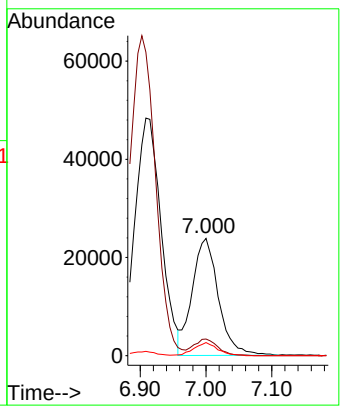


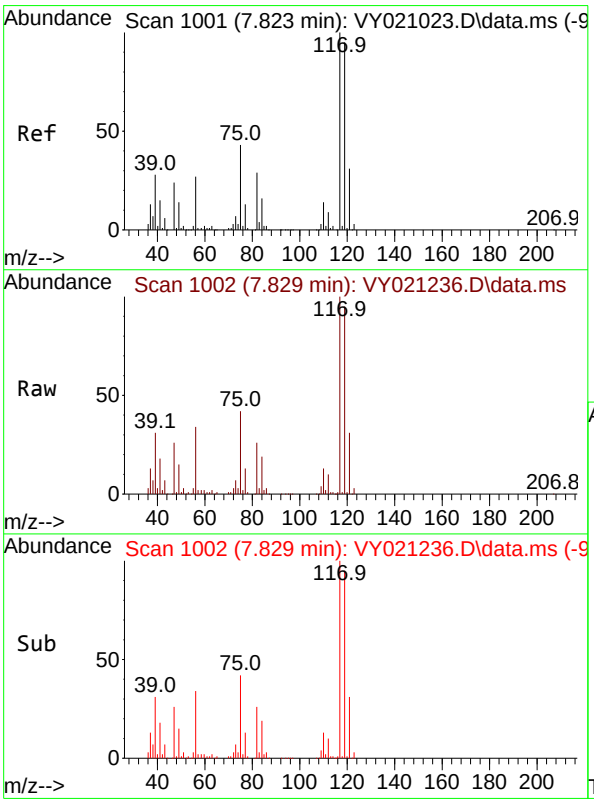

#37
Ethyl Acetate
Concen: 51.024 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 66109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 11.0 | 16.6 |
| 70 | 10.1 | 8.1 | 12.1 |

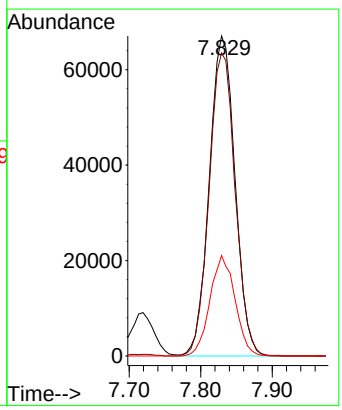


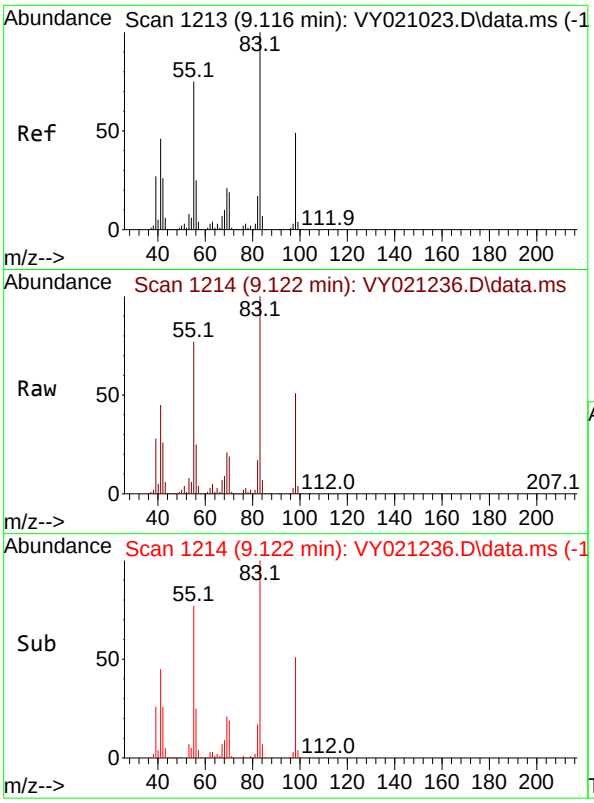




#38
Carbon Tetrachloride
Concen: 48.505 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:117 Resp: 167388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 76.0 | 114.0 |
| 121 | 31.3 | 24.2 | 36.2 |



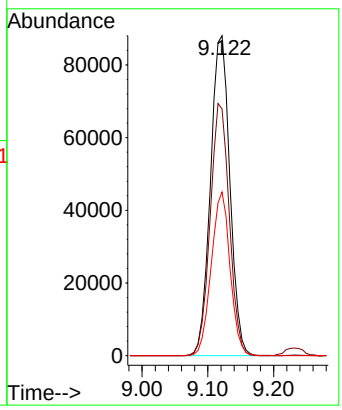


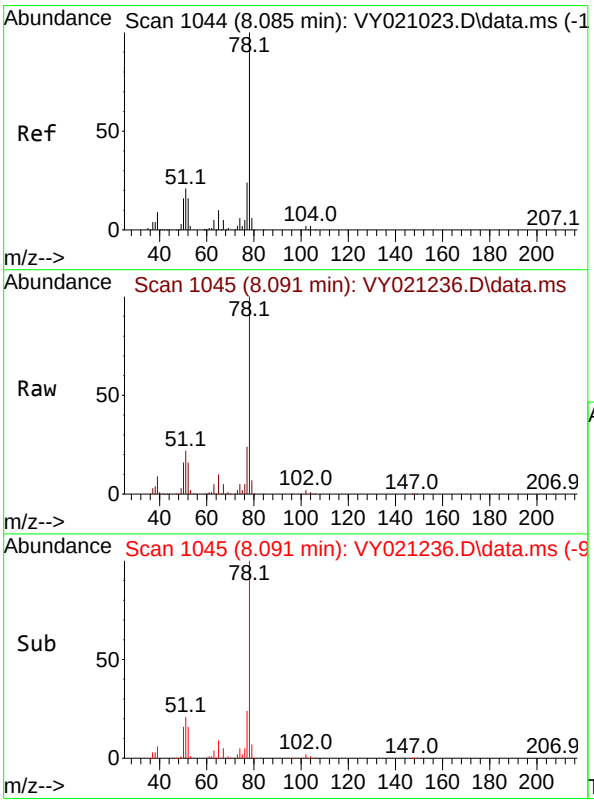

#39
Methylcyclohexane
Concen: 49.986 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 180580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.1 | 59.7 | 89.5 |
| 98 | 51.2 | 38.0 | 57.0 |

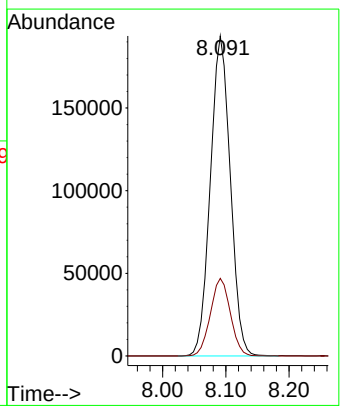


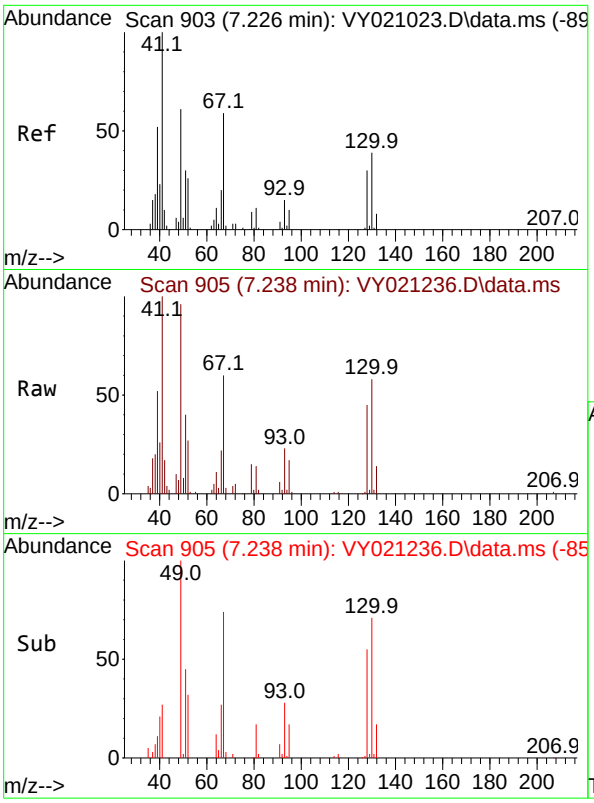




#40
Benzene
Concen: 48.970 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 78 Resp: 424435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.3 | 18.8 | 28.2 |



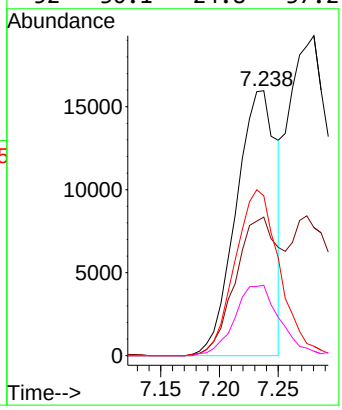


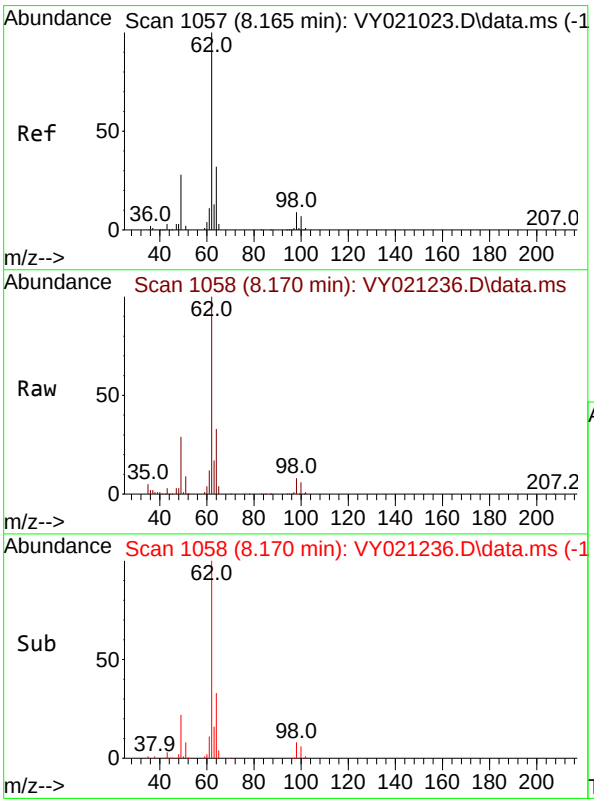

#41
Methacrylonitrile
Concen: 50.853 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 38118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.8 | 41.9 | 62.9 |
| 67 | 69.7 | 59.8 | 89.6 |
| 52 | 30.1 | 24.8 | 37.2 |

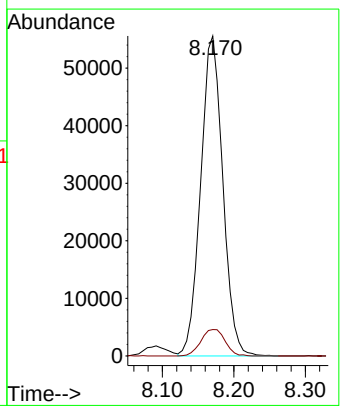


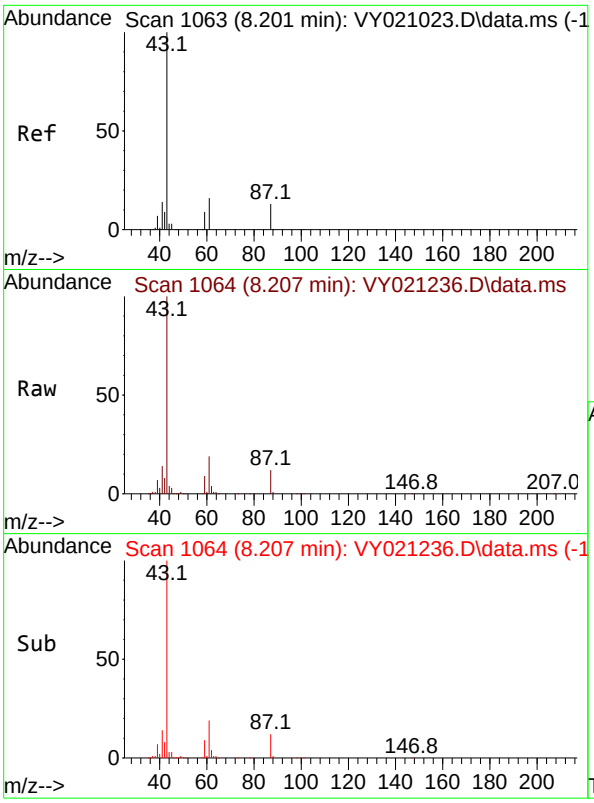




#42
1,2-Dichloroethane
Concen: 49.711 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 62 Resp: 119521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 20.2 |



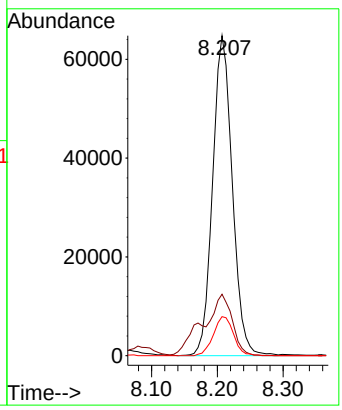


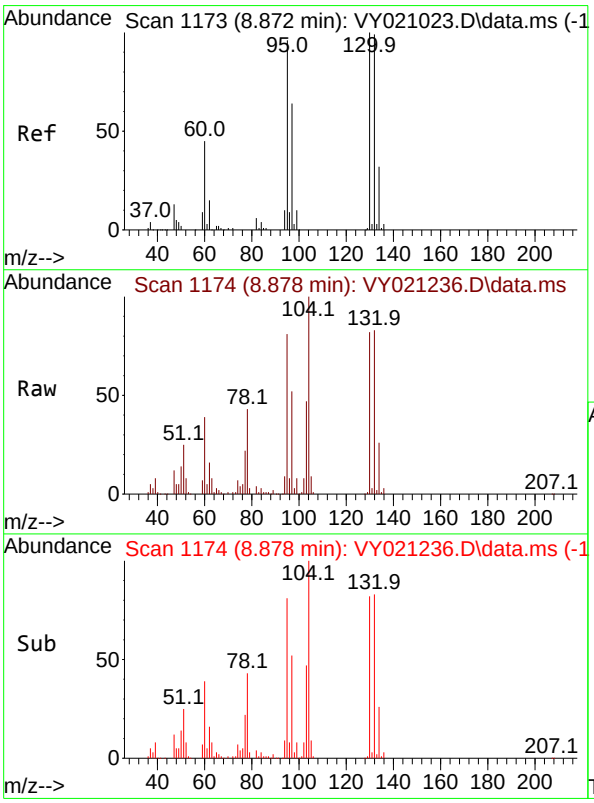

#43
Isopropyl Acetate
Concen: 52.494 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 135143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.2 | 24.8 | 37.2# |
| 87 | 12.5 | 10.7 | 16.1 |

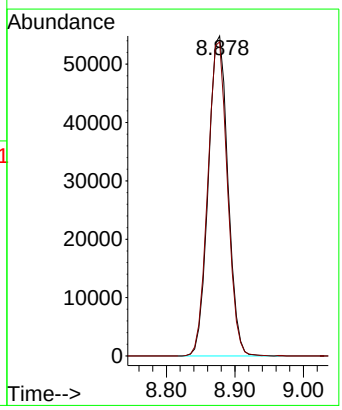


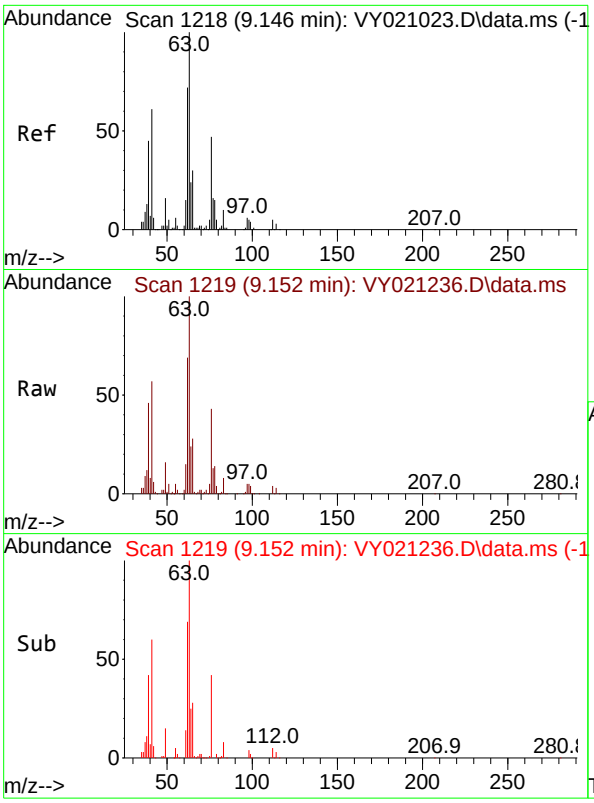




#44
Trichloroethene
Concen: 48.712 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:130 Resp: 109079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.2 | 0.0 | 203.8 |



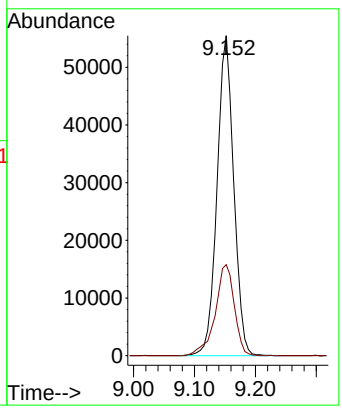


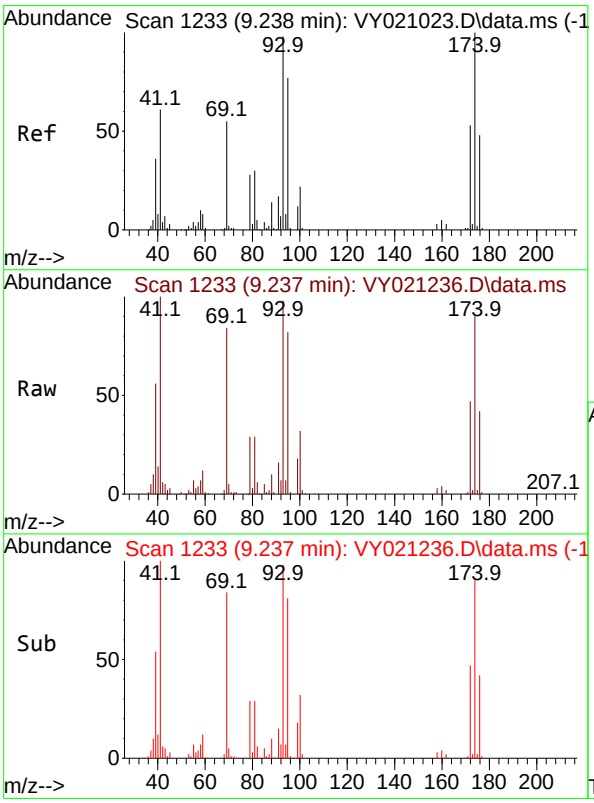

#45
1,2-Dichloropropane
Concen: 51.328 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 105592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.5 | 24.6 | 36.8 |

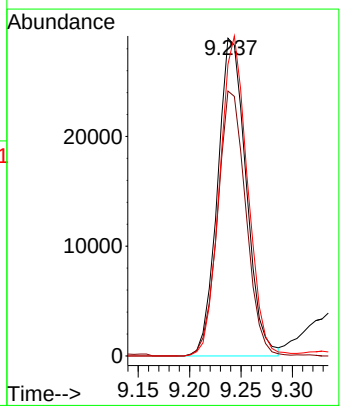


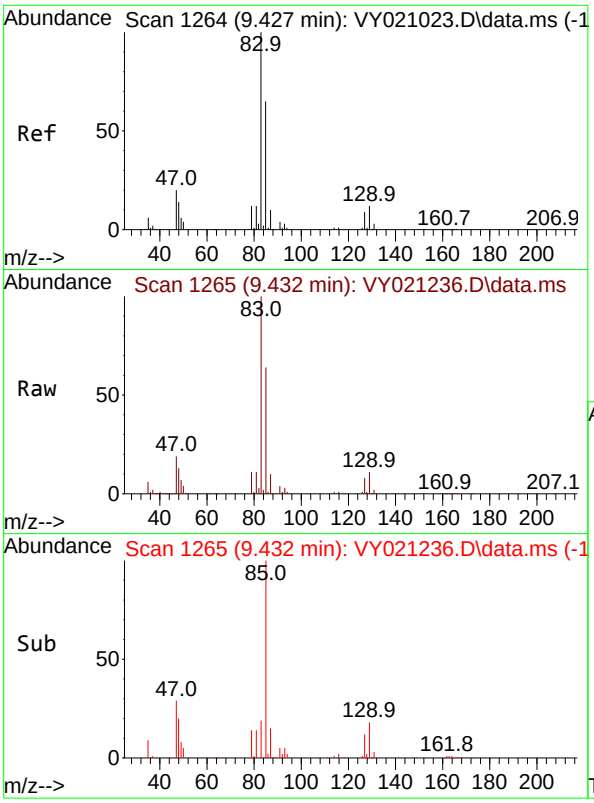




#46
Dibromomethane
Concen: 49.095 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 93 Resp: 55920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.1 | 66.6 | 99.8 |
| 174 | 98.1 | 73.8 | 110.6 |



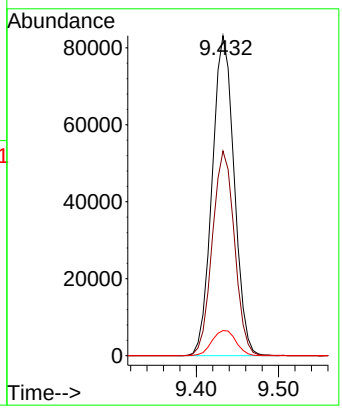


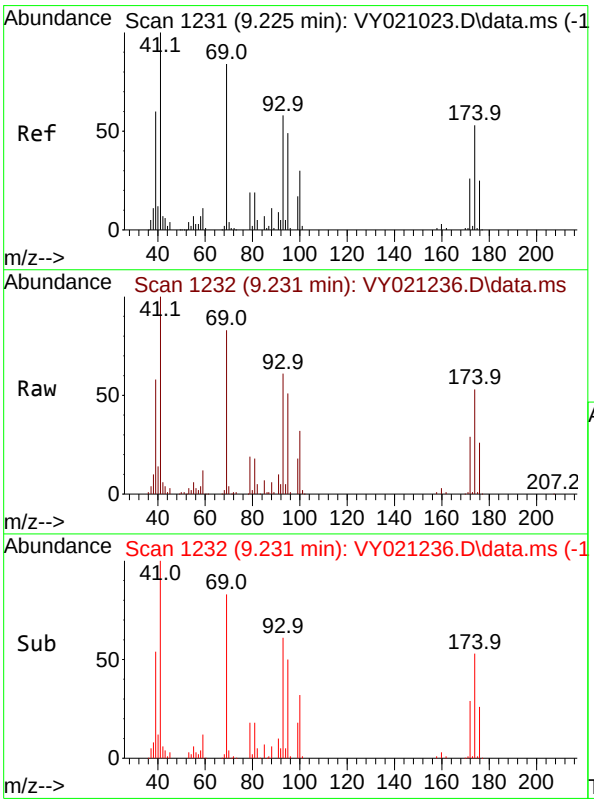

#47
Bromodichloromethane
Concen: 50.636 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 154682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 53.2 | 79.8 |
| 127 | 7.8 | 6.4 | 9.6 |

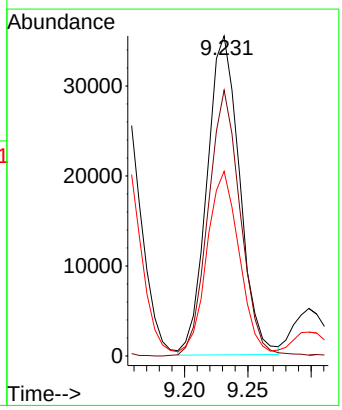


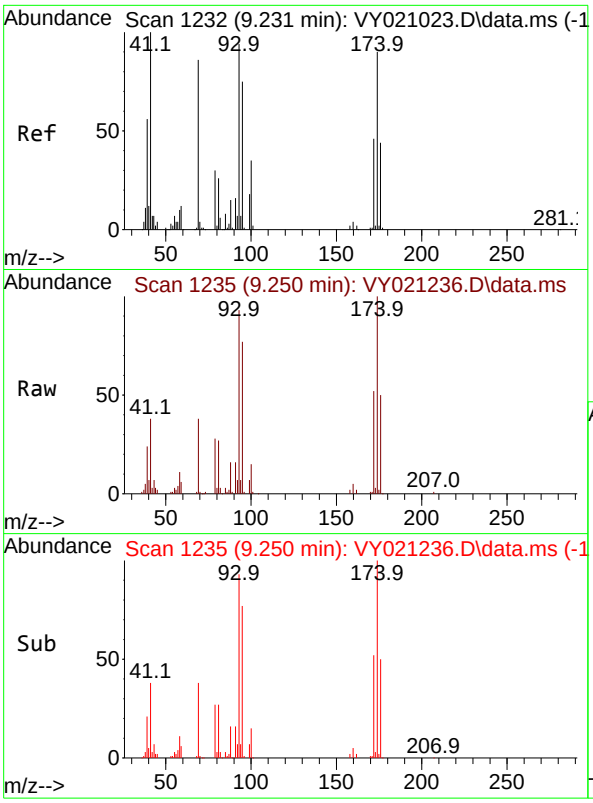




#48
Methyl methacrylate
Concen: 54.376 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 41 Resp: 63766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.0 | 72.1 | 108.1 |
| 39 | 55.0 | 42.8 | 64.2 |



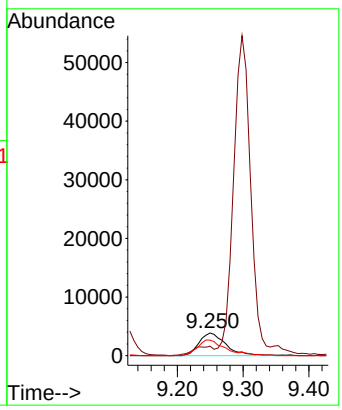


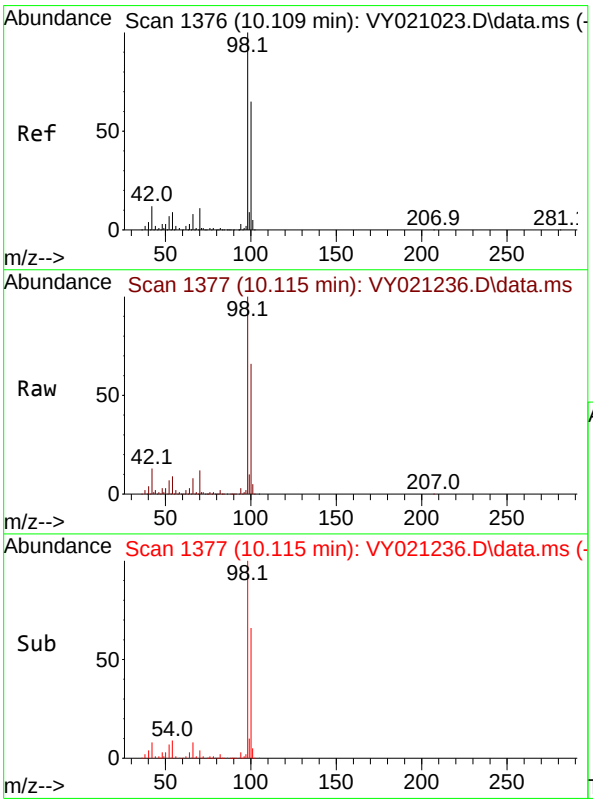

#49
1,4-Dioxane
Concen: 1039.289 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 11020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.9 | 28.2 | 42.4 |
| 58 | 72.9 | 52.2 | 78.2 |

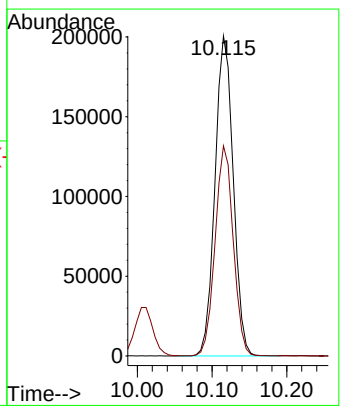


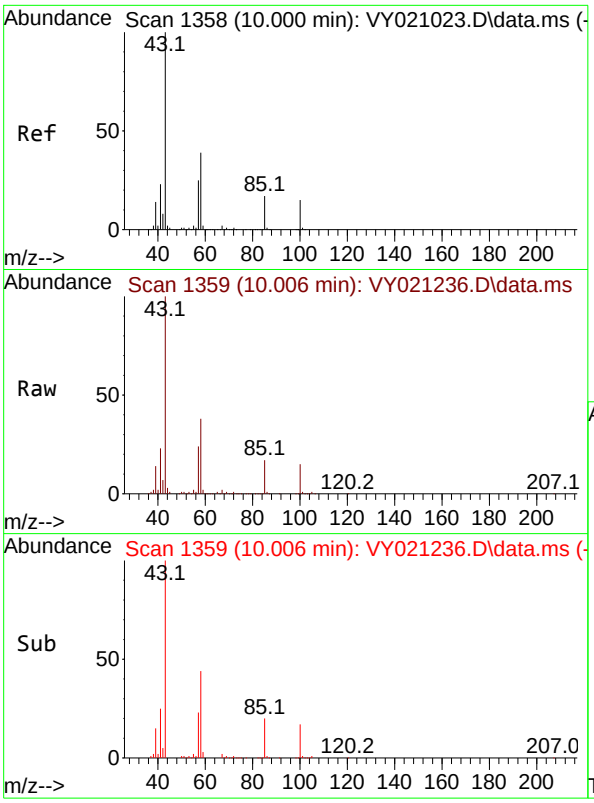




#50
Toluene-d8
Concen: 44.845 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 98 Resp: 340426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 52.3 | 78.5 |



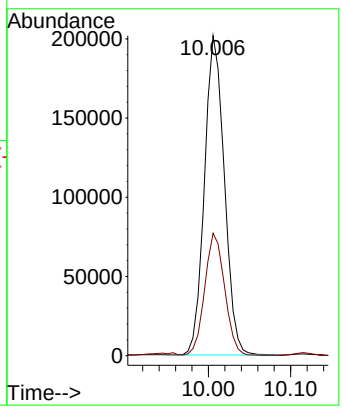


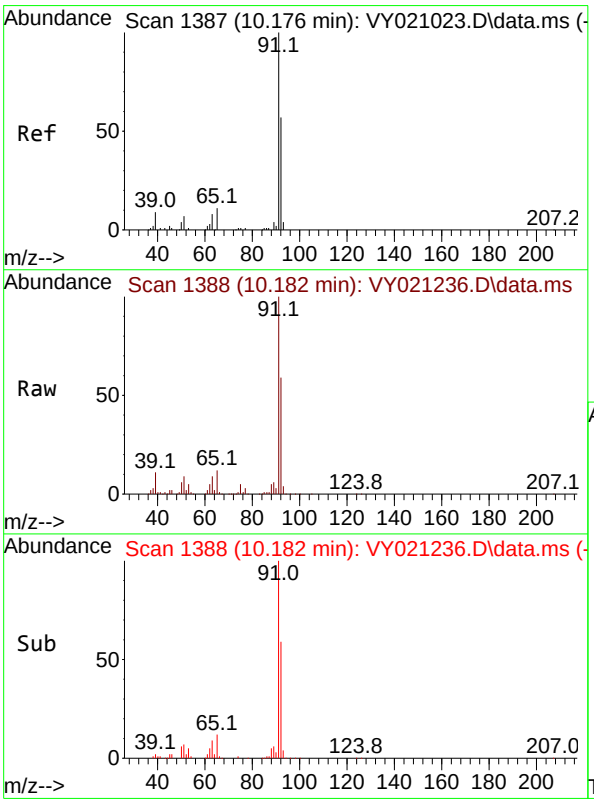

#51
4-Methyl-2-Pentanone
Concen: 261.432 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 338455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.7 | 32.2 | 48.2 |

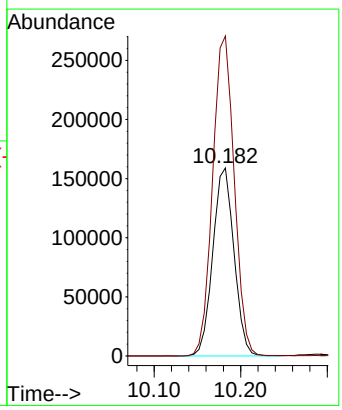


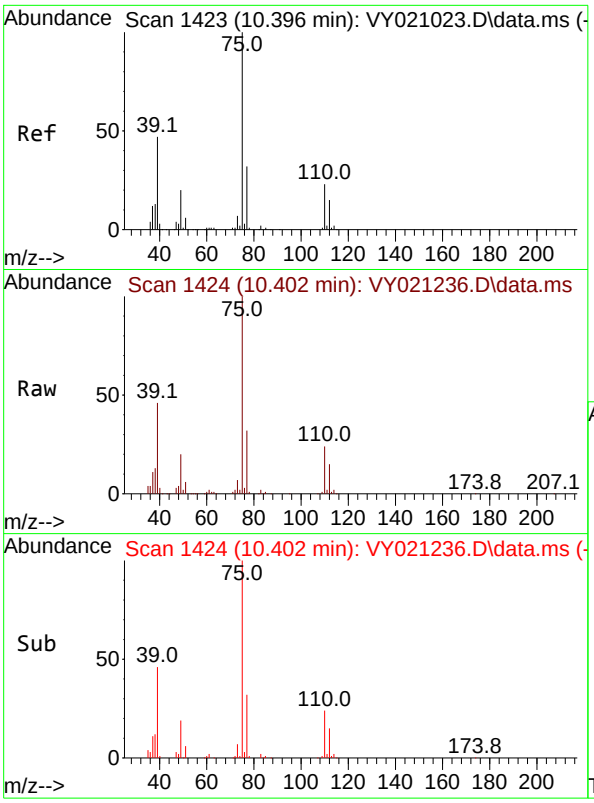




#52
Toluene
Concen: 49.688 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 92 Resp: 270409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.6 | 137.6 | 206.4 |



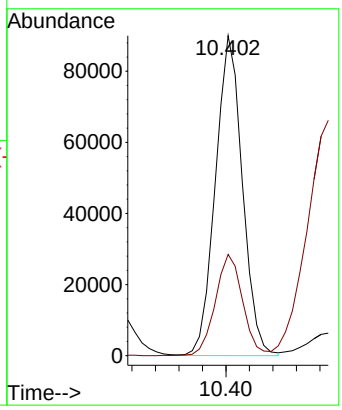


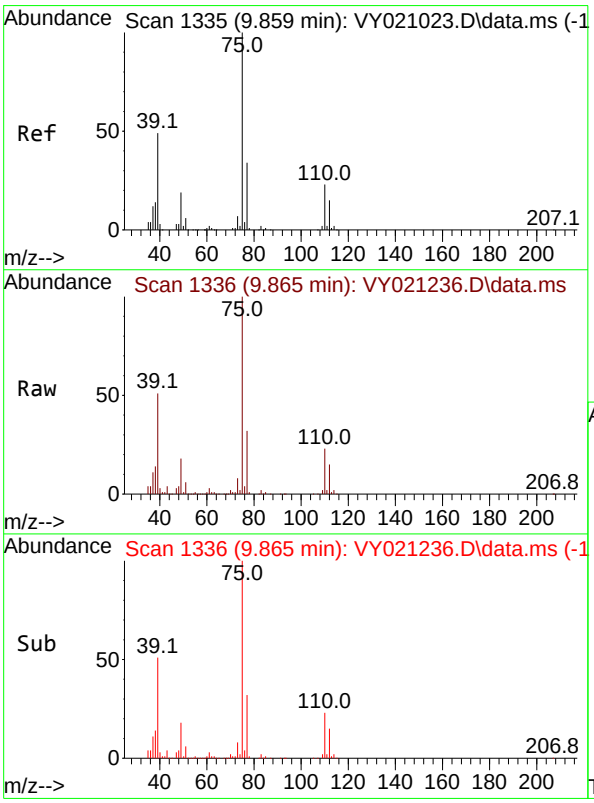

#53
t-1,3-Dichloropropene
Concen: 52.336 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 143554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 24.6 | 36.8 |

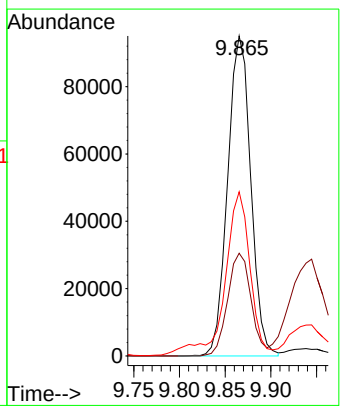


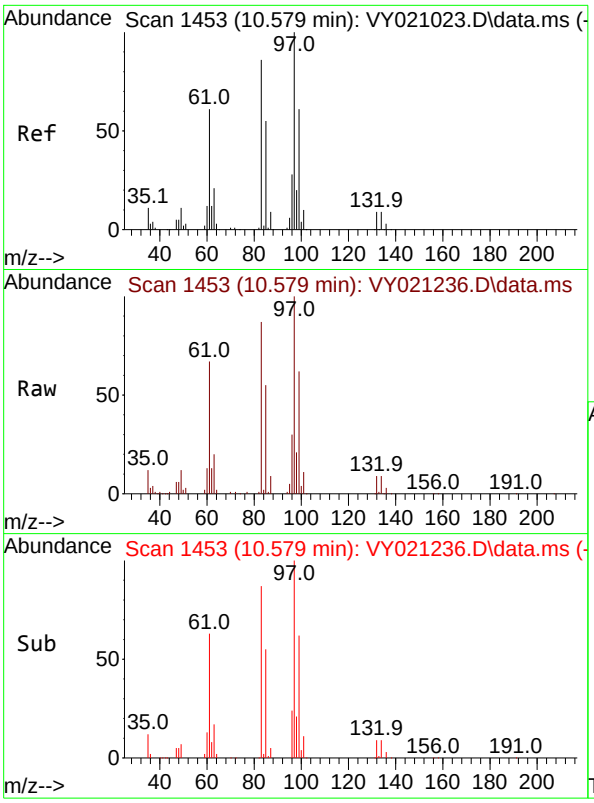




#54
cis-1,3-Dichloropropene
Concen: 51.553 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 167429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 24.6 | 36.8 |
| 39 | 49.1 | 33.6 | 50.4 |



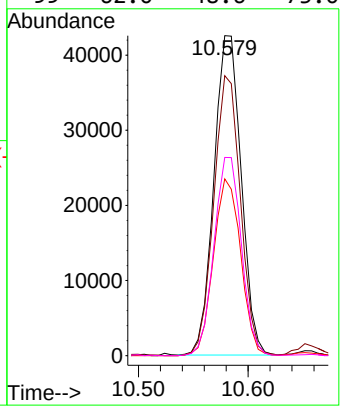


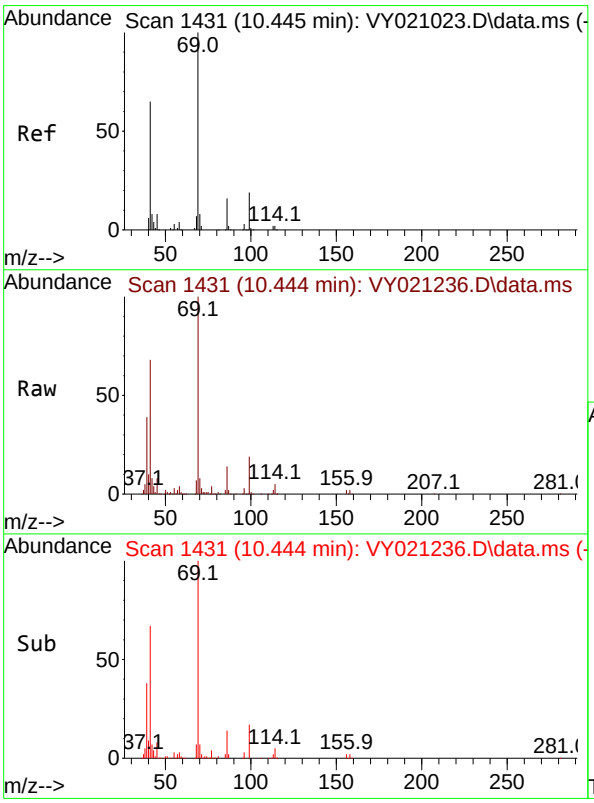

#55
1,1,2-Trichloroethane
Concen: 49.892 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 73589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.7 | 69.4 | 104.2 |
| 85 | 55.4 | 43.9 | 65.9 |
| 99 | 62.0 | 48.6 | 73.0 |

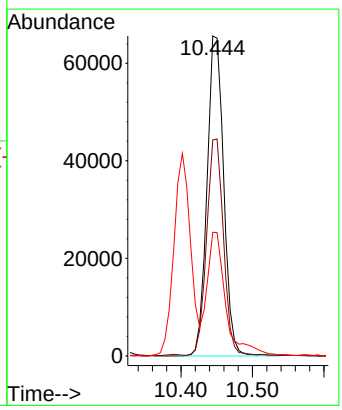


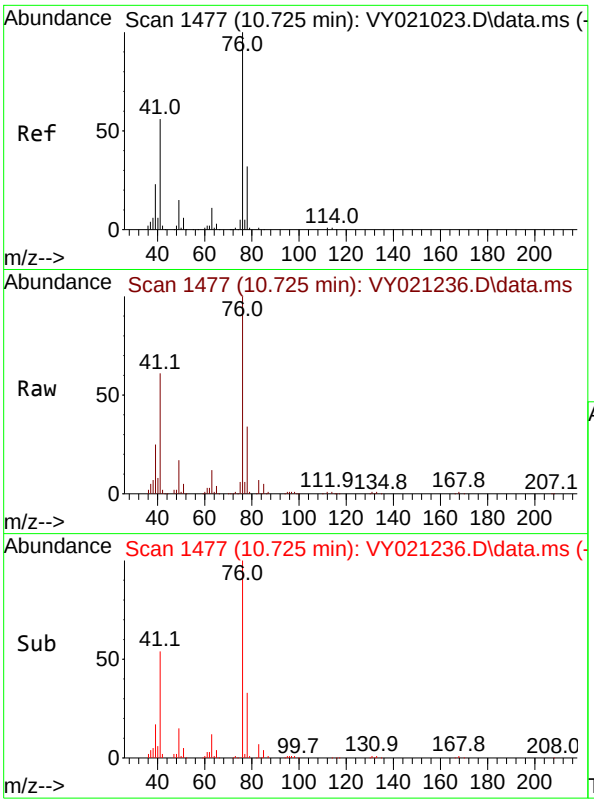




#56
Ethyl methacrylate
Concen: 53.867 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 69 Resp: 106288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.0 | 49.2 | 73.8 |
| 39 | 42.9 | 26.8 | 40.2# |



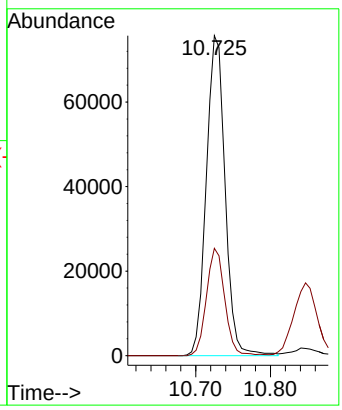


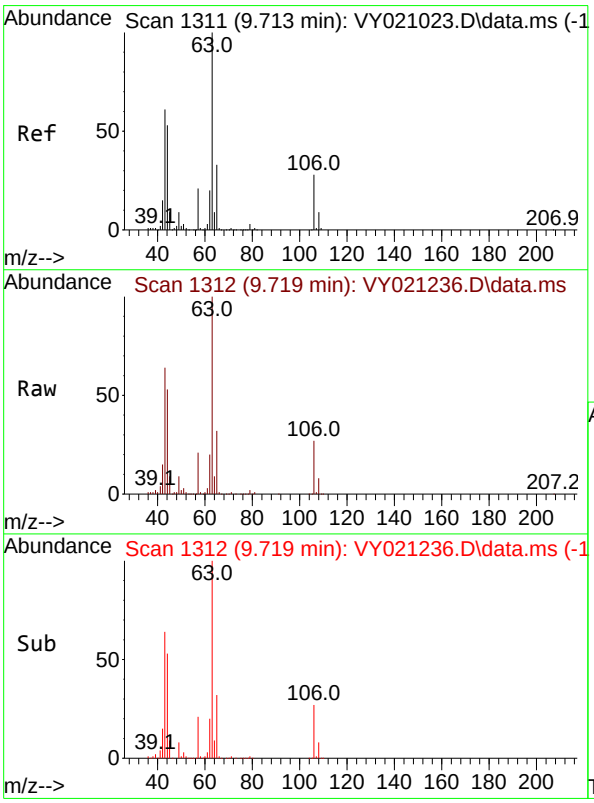

#57
1,3-Dichloropropane
Concen: 51.769 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 132165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 26.1 | 39.1 |

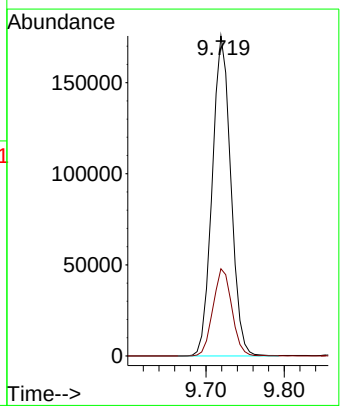


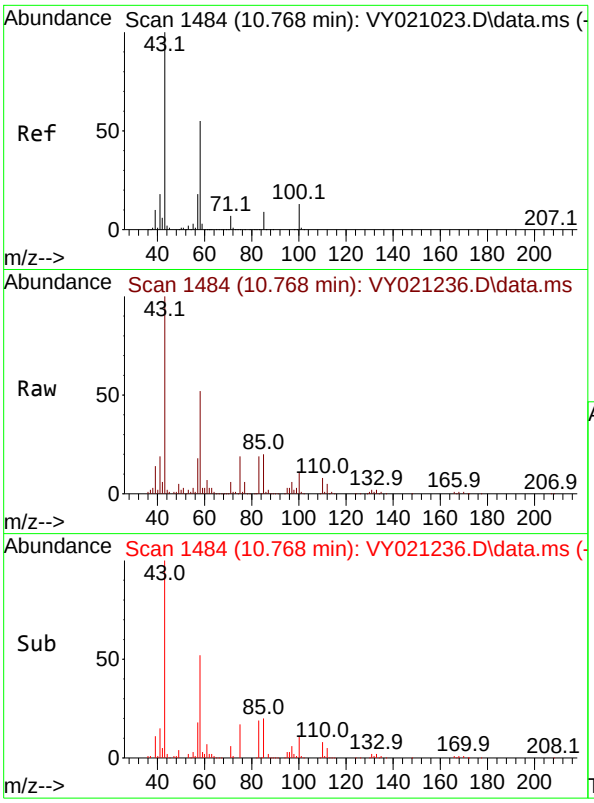




#58
2-Chloroethyl Vinyl ether
Concen: 309.543 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 63 Resp: 290576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.6 | 22.4 | 33.6 |



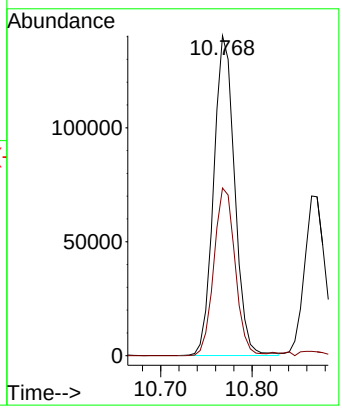


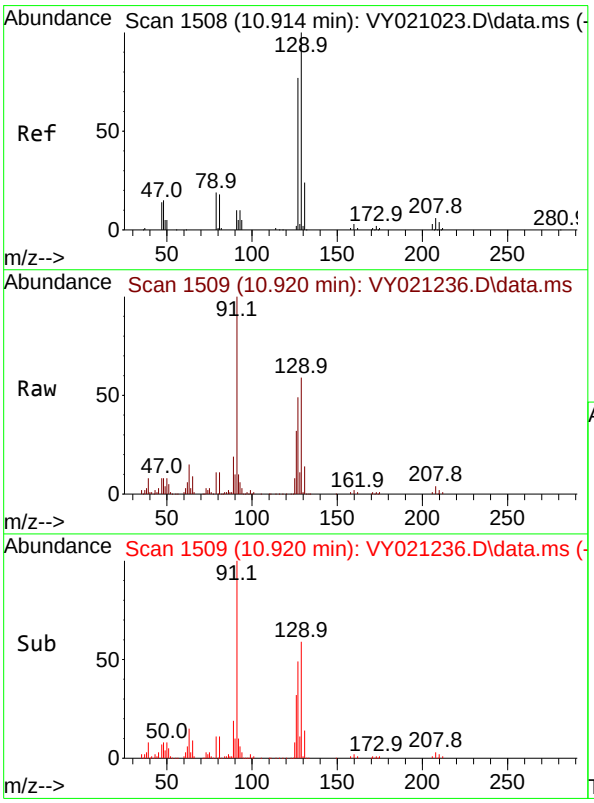

#59
2-Hexanone
Concen: 268.437 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 223757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.2 | 28.1 | 84.3 |

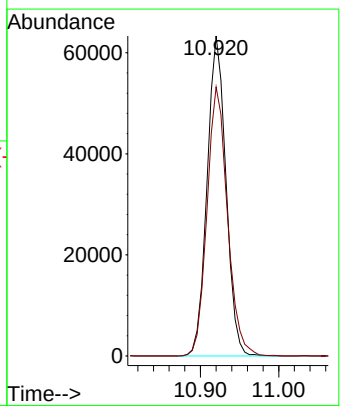


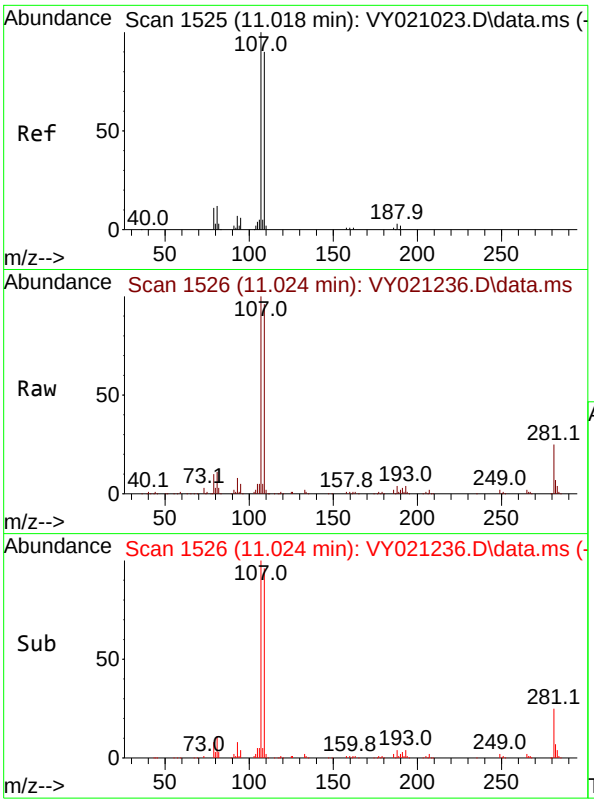




#60
Dibromochloromethane
Concen: 50.976 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:129 Resp: 105589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 91.4 | 39.2 | 117.6 |



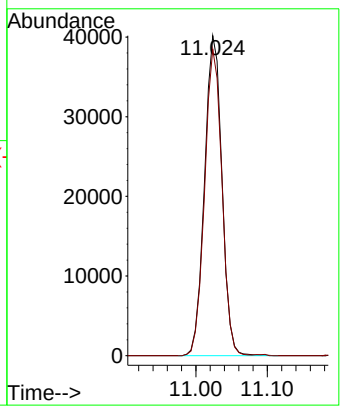


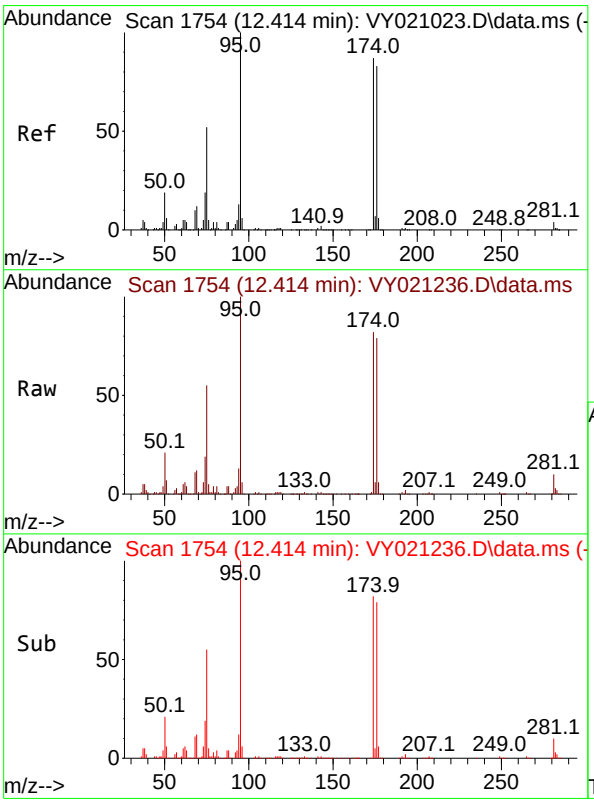

#61
1,2-Dibromoethane
Concen: 49.079 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 67805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.4 | 75.4 | 113.2 |

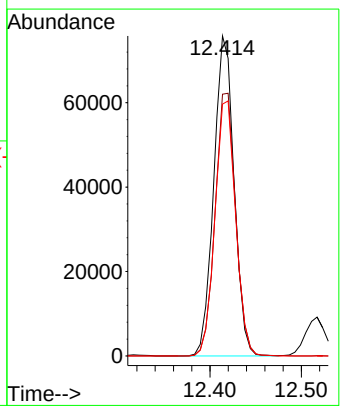


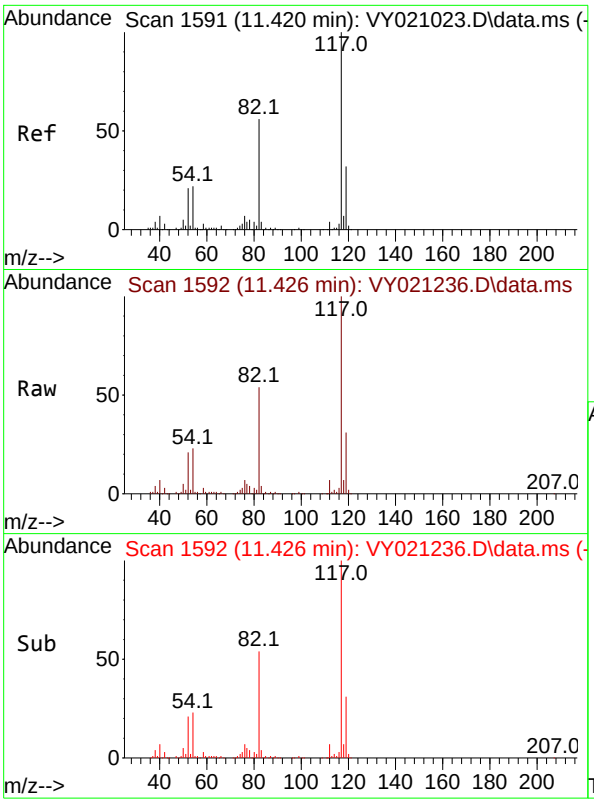




#62
4-Bromofluorobenzene
Concen: 47.196 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 95 Resp: 117047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.4 | 0.0 | 160.0 |
| 176 | 81.2 | 0.0 | 151.8 |



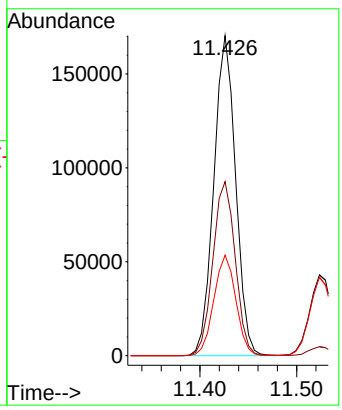


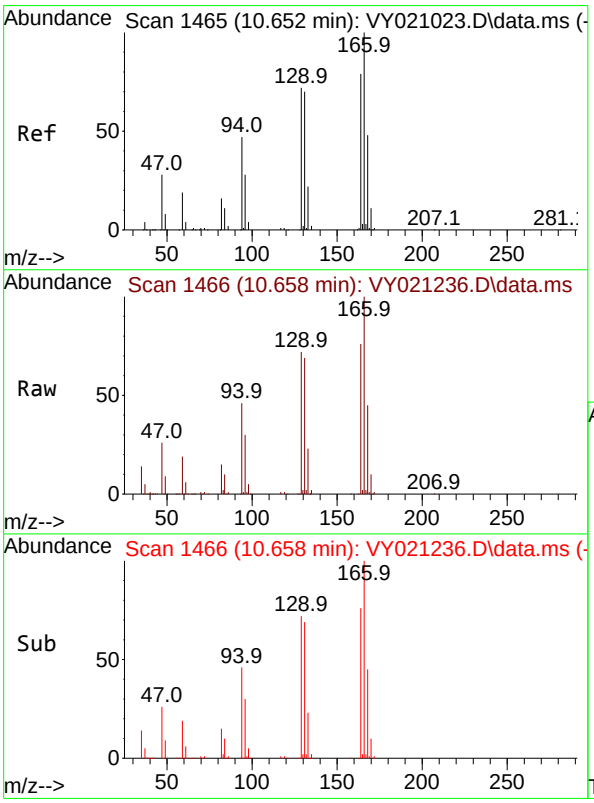

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 266562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.4 | 43.8 | 65.8 |
| 119 | 31.4 | 26.5 | 39.7 |

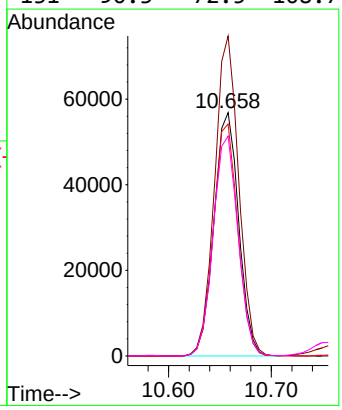


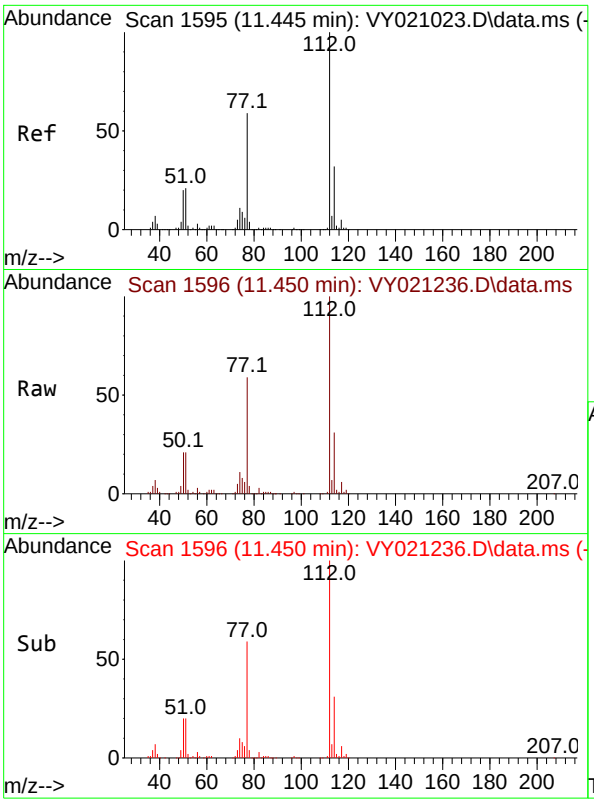




#64
Tetrachloroethene
Concen: 47.954 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:164 Resp: 94893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.5 | 98.8 | 148.2 |
| 129 | 95.3 | 78.9 | 118.3 |
| 131 | 90.3 | 72.5 | 108.7 |



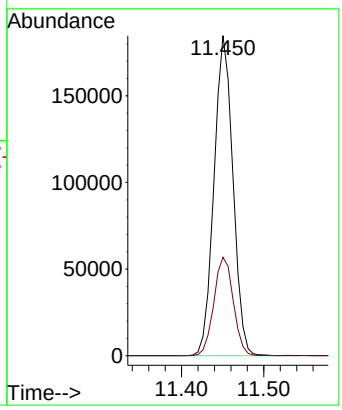


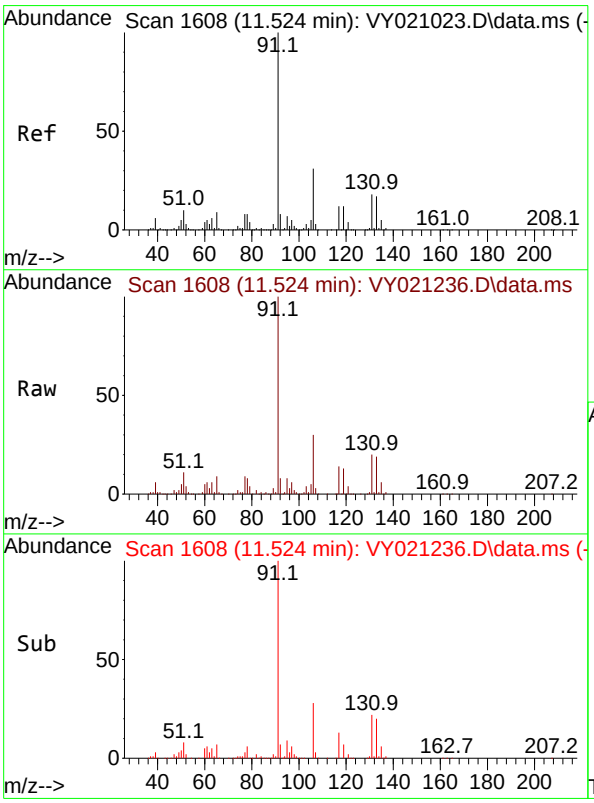

#65
Chlorobenzene
Concen: 49.788 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 295517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.8 | 26.1 | 39.1 |

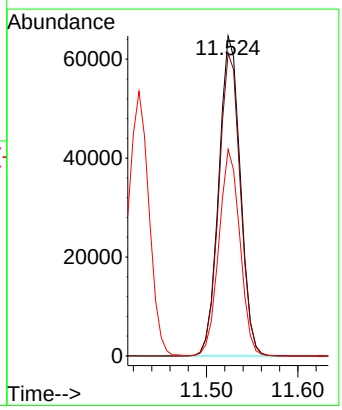


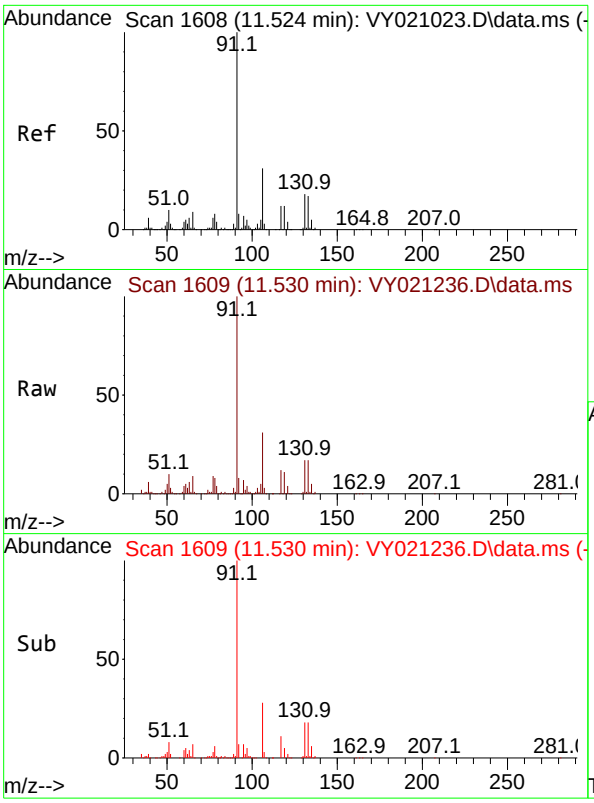




#66
1,1,1,2-Tetrachloroethane
Concen: 50.076 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:131 Resp: 105626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.1 | 47.0 | 141.0 |
| 119 | 63.4 | 33.3 | 99.9 |



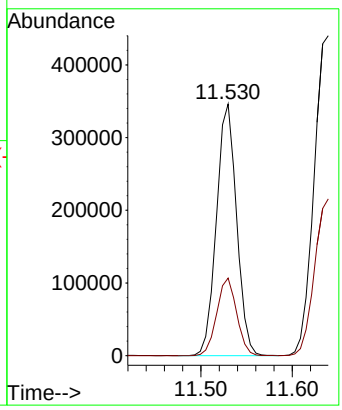


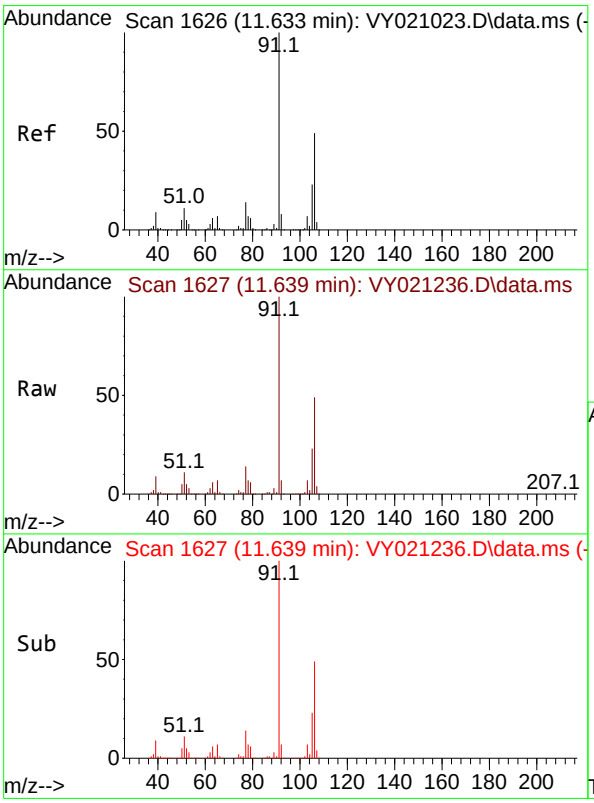

#67
Ethyl Benzene
Concen: 50.579 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 530991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.8 | 25.0 | 37.4 |

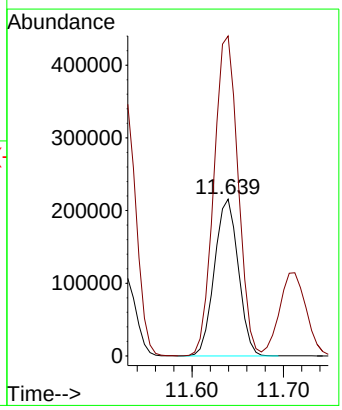


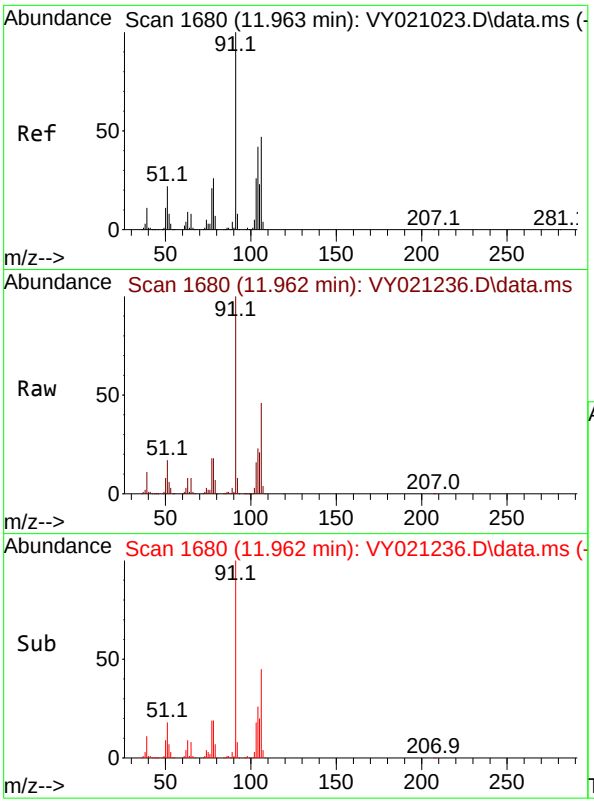




#68
m/p-Xylenes
Concen: 99.601 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:106 Resp: 391171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.1 | 160.7 | 241.1 |



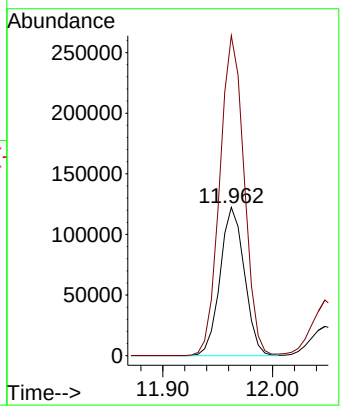


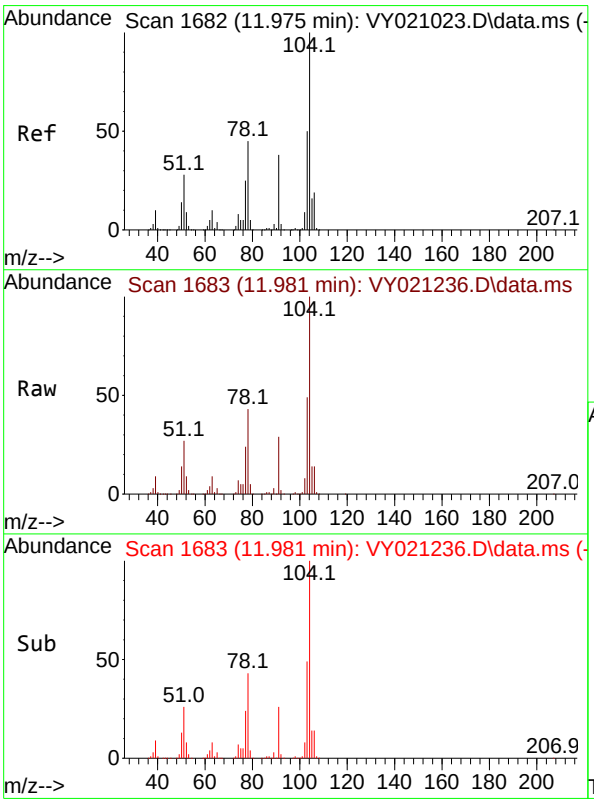

#69
o-Xylene
Concen: 51.555 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 188775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.1 | 106.5 | 319.5 |

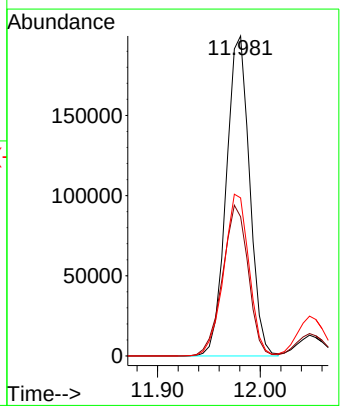


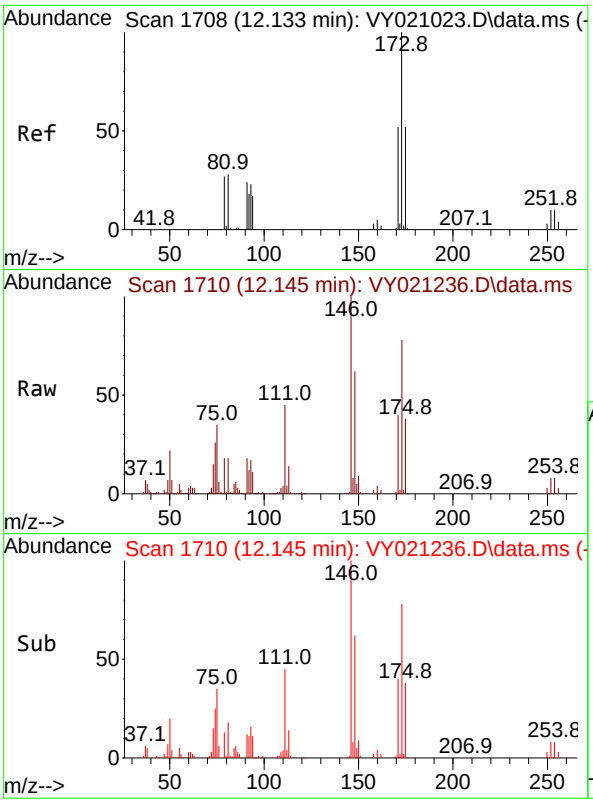




#70
Styrene
Concen: 51.620 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:104 Resp: 315025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 39.2 | 58.8 |
| 103 | 54.8 | 43.8 | 65.6 |



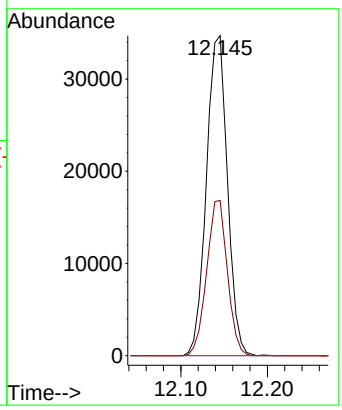


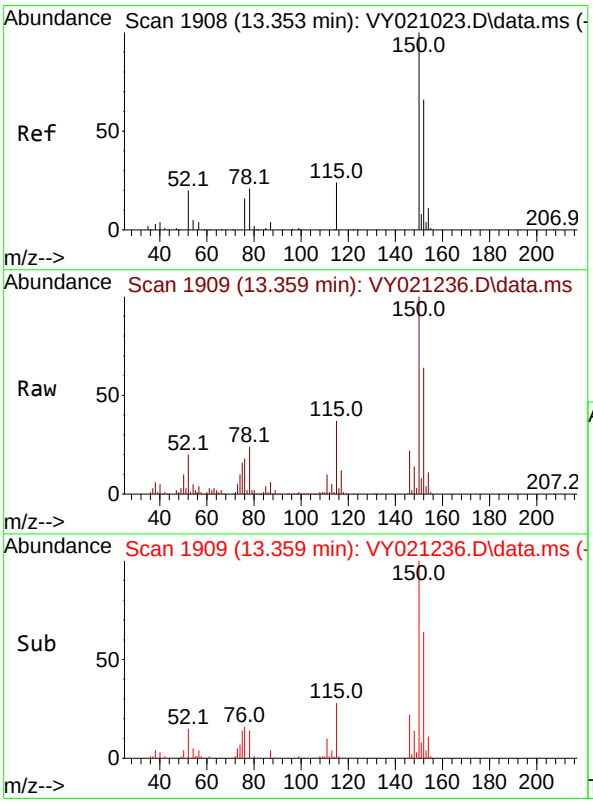

#71
Bromoform
Concen: 49.825 ug/l
RT: 12.145 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 58498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.7 | 23.5 | 70.6 |
| 254 | 0.0 | 0.0 | 0.0 |

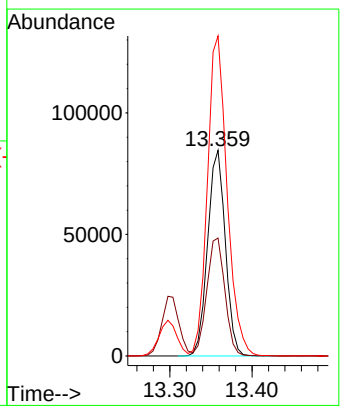


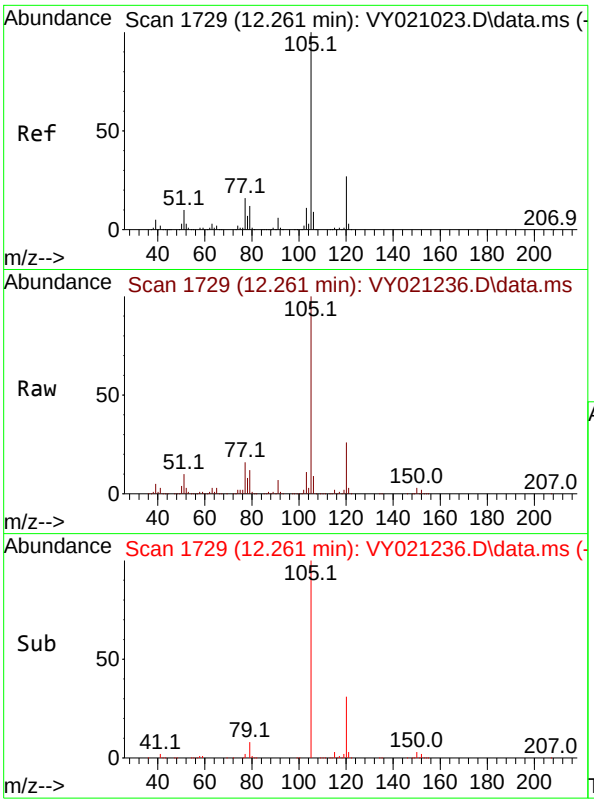




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:152 Resp: 126814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.5 | 30.0 | 90.0 |
| 150 | 172.9 | 0.0 | 344.6 |



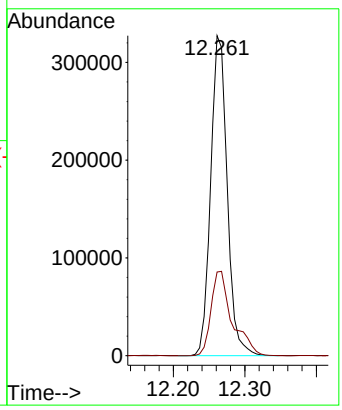


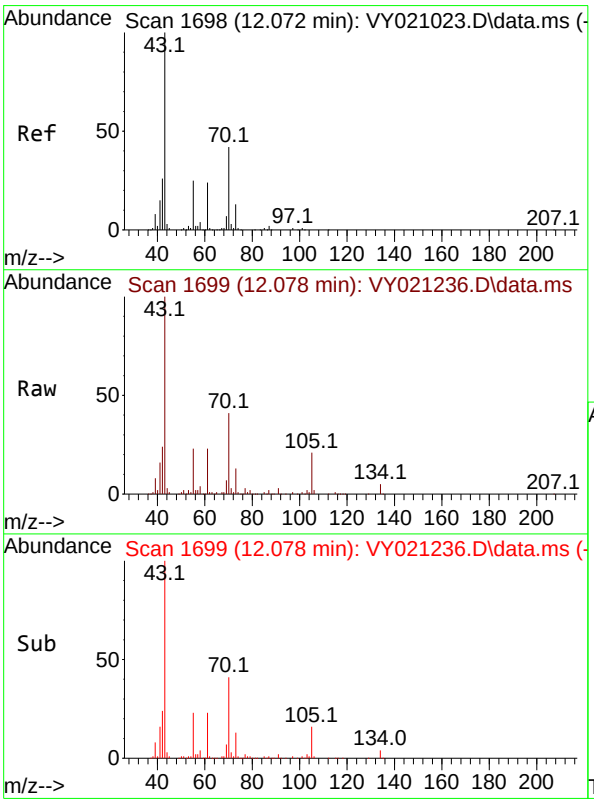

#73
Isopropylbenzene
Concen: 53.006 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 525075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 33.6 | 13.0 | 39.0 |

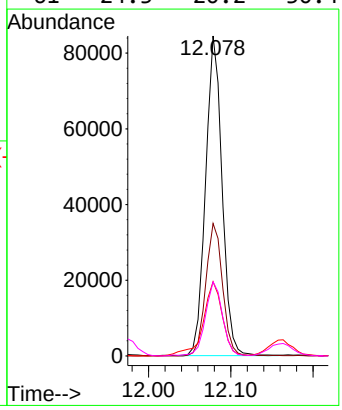


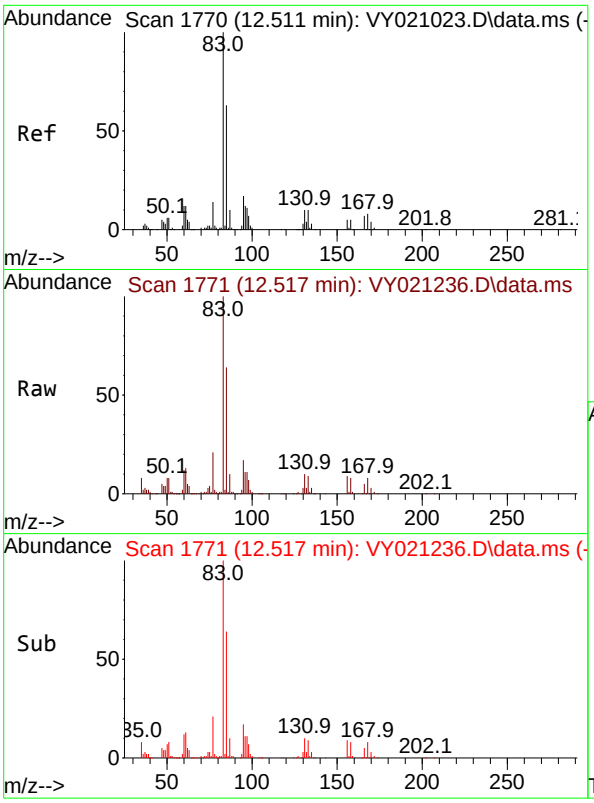




#74
N-amyl acetate
Concen: 54.480 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 43 Resp: 117988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.2 | 36.6 | 55.0 |
| 55 | 27.0 | 22.2 | 33.4 |
| 61 | 24.3 | 20.2 | 30.4 |



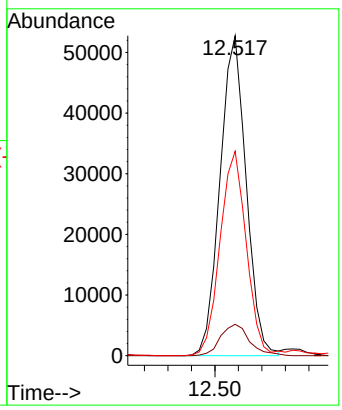


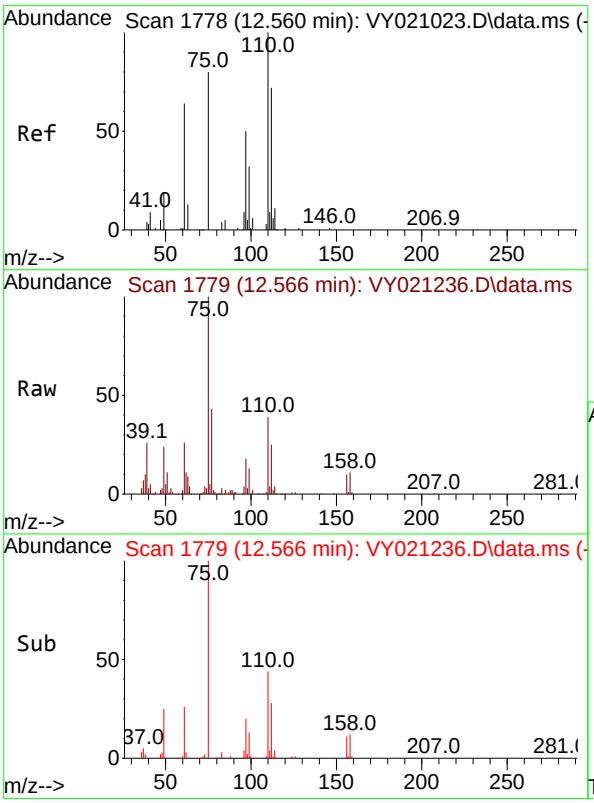

#75
1,1,2,2-Tetrachloroethane
Concen: 49.512 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 81571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 4.9 | 14.6 |
| 85 | 64.4 | 32.6 | 98.0 |

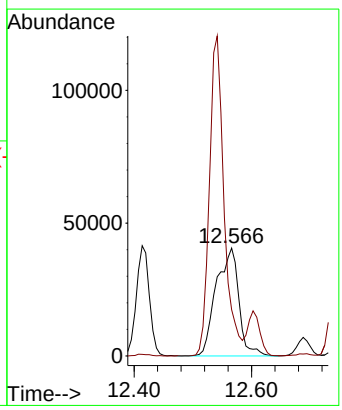


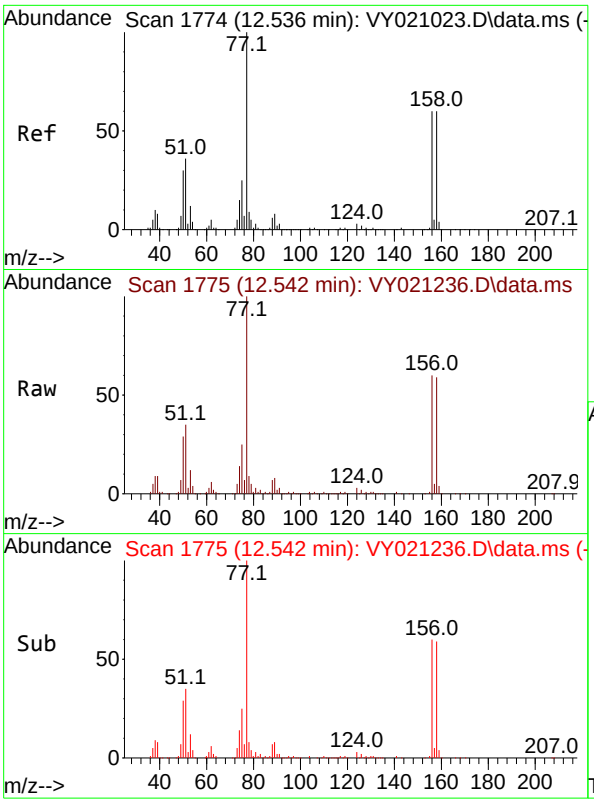




#76
1,2,3-Trichloropropane
Concen: 94.911 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 109182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



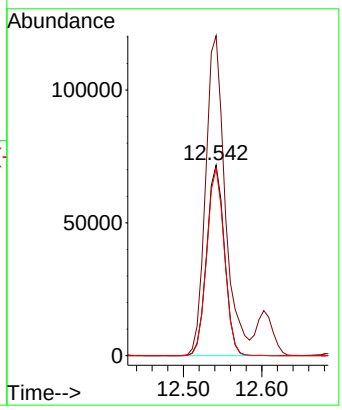


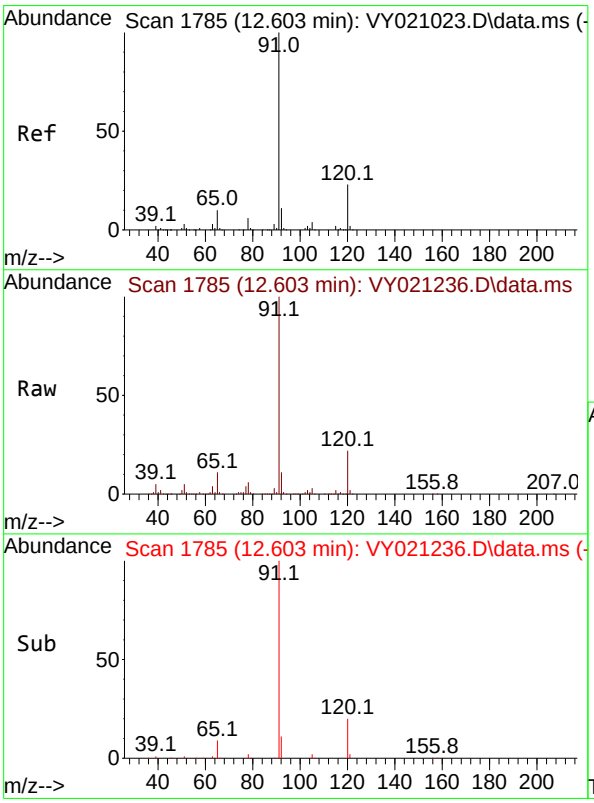

#77
Bromobenzene
Concen: 49.154 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 112364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.8 | 97.3 | 291.8 |
| 158 | 97.5 | 48.4 | 145.0 |

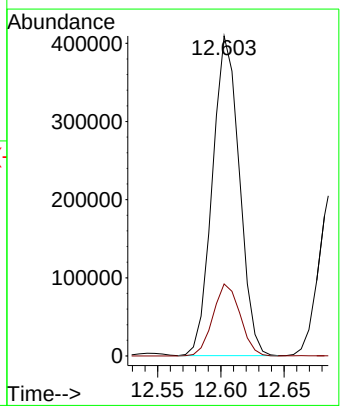


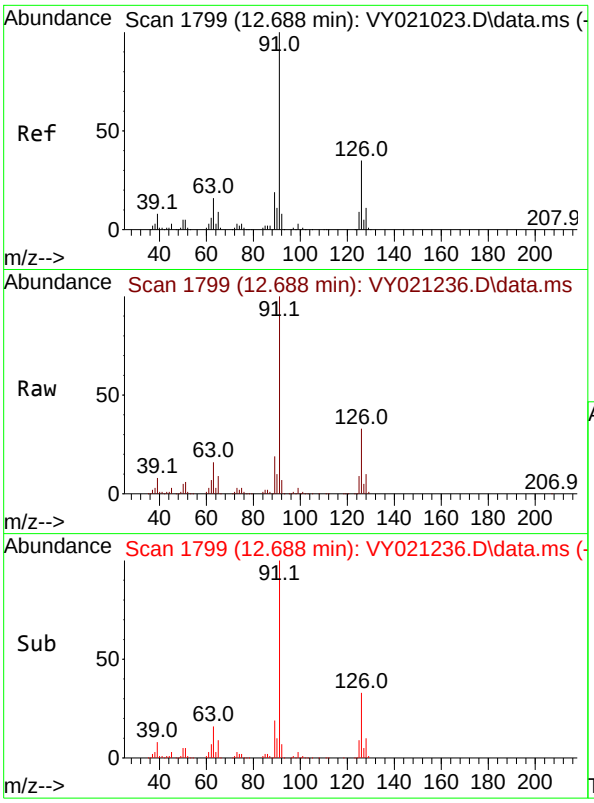




#78
n-propylbenzene
Concen: 51.330 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 605704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.0 | 33.0 |



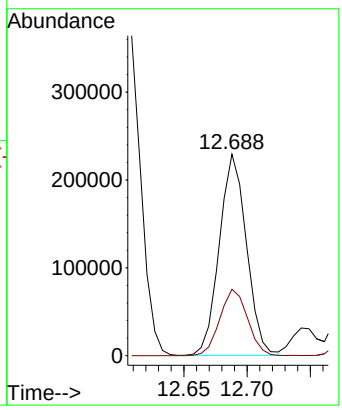


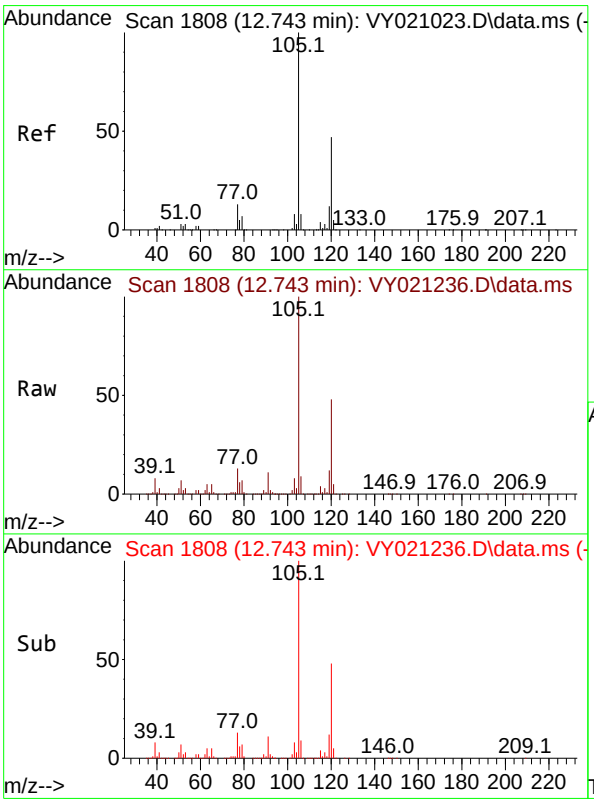

#79
2-Chlorotoluene
Concen: 50.565 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 341745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 17.0 | 51.0 |

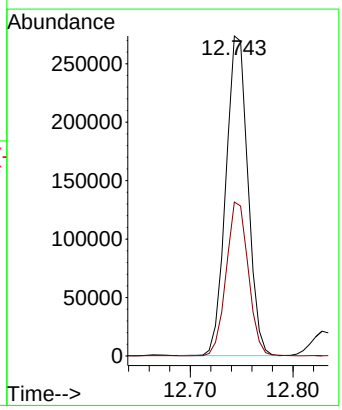


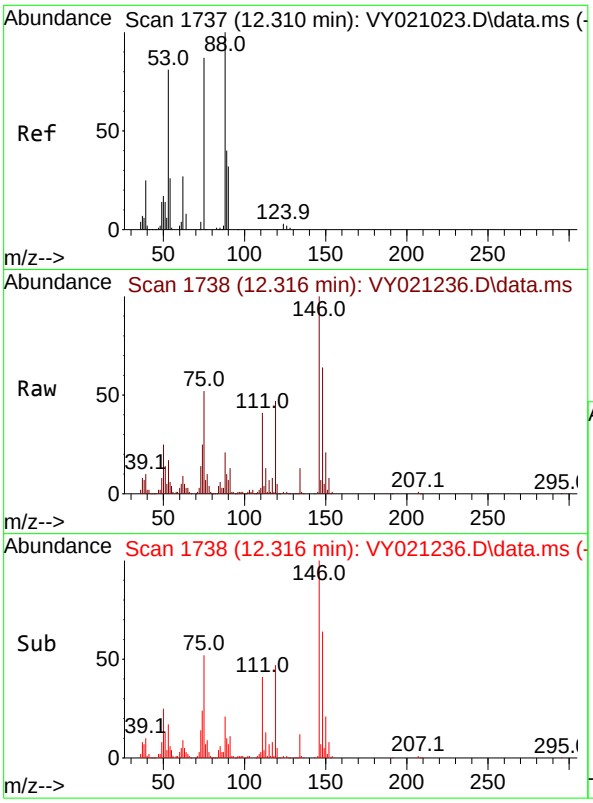




#80
1,3,5-Trimethylbenzene
Concen: 50.629 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 406625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 24.3 | 72.8 |



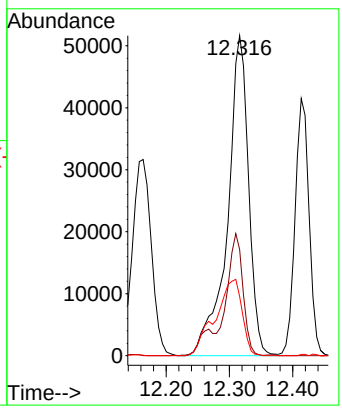


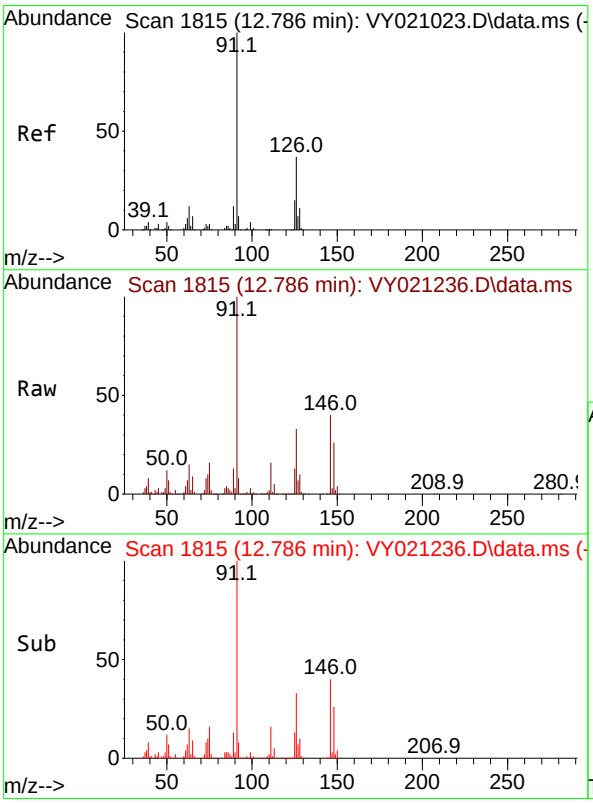

#81
trans-1,4-Dichloro-2-butene
Concen: 212.252 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 119661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 29.2 | 74.0 | 111.0# |
| 89 | 30.4 | 36.5 | 54.7# |

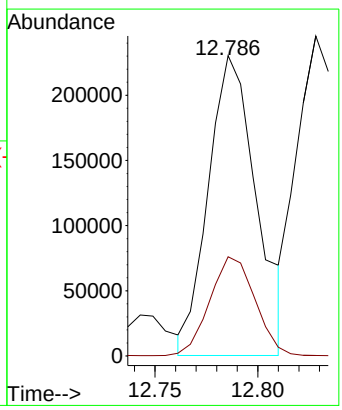


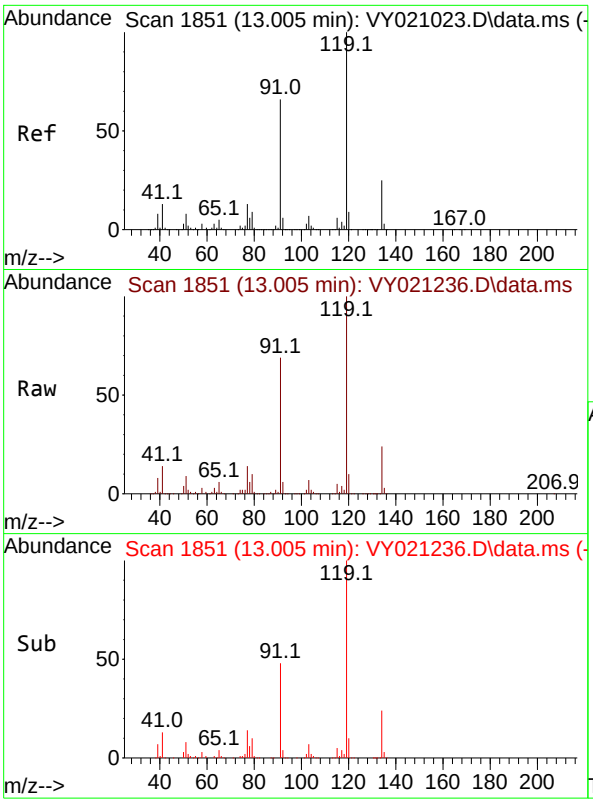




#82
4-Chlorotoluene
Concen: 54.307 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 91 Resp: 373956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.5 | 17.1 | 51.2 |



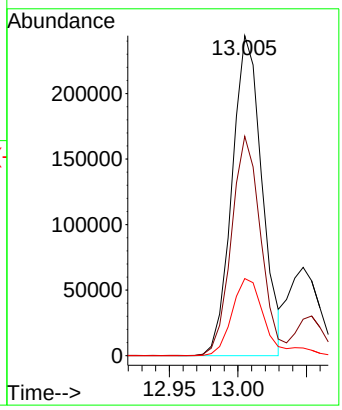


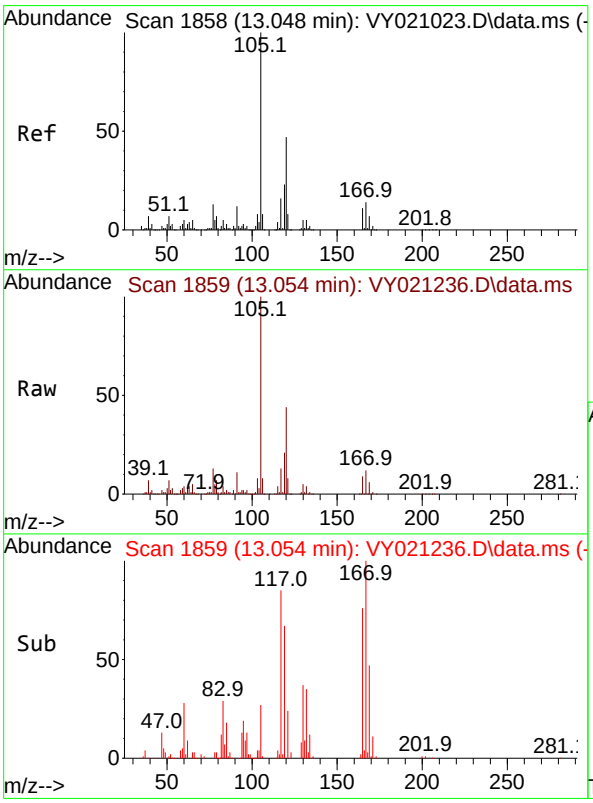

#83
tert-Butylbenzene
Concen: 50.825 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 371033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.5 | 31.5 | 94.5 |
| 134 | 27.0 | 13.1 | 39.3 |

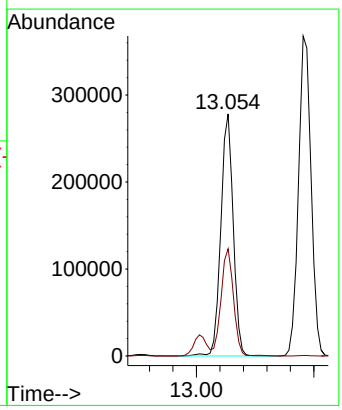


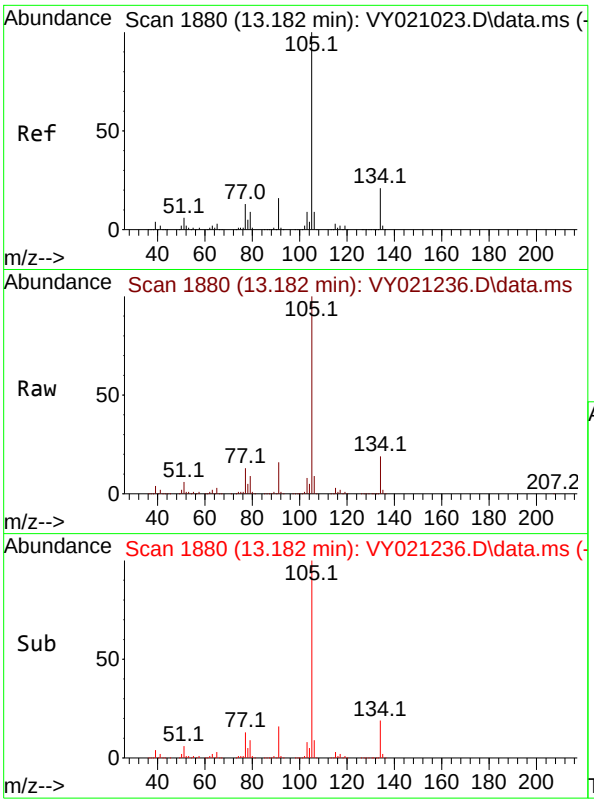




#84
1,2,4-Trimethylbenzene
Concen: 51.664 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:105 Resp: 405711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.3 |



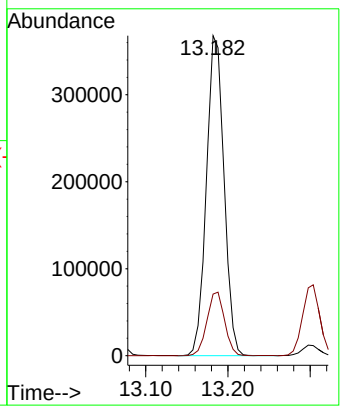


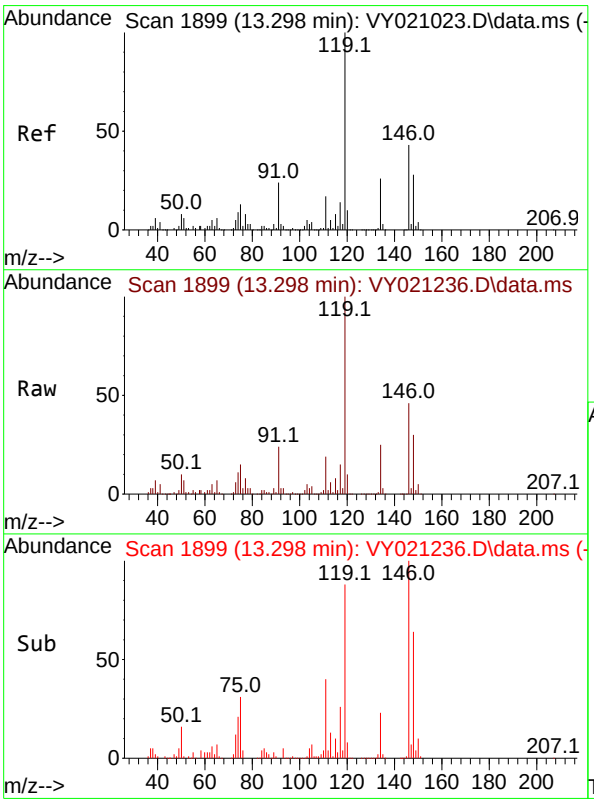

#85
sec-Butylbenzene
Concen: 52.143 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 547941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 9.7 | 28.9 |

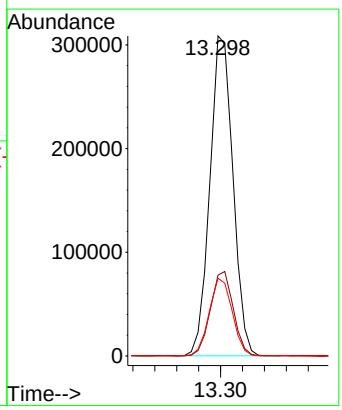


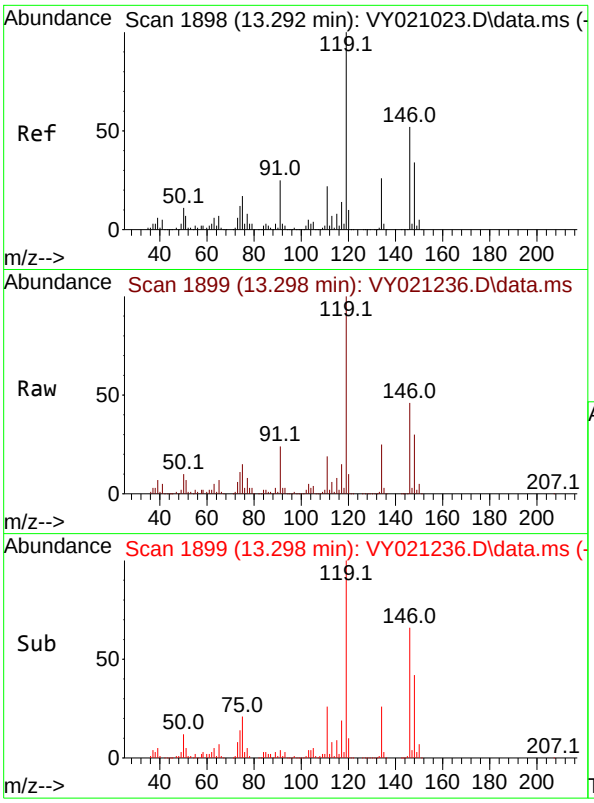




#86
p-Isopropyltoluene
Concen: 51.734 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:119 Resp: 451592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 13.1 | 39.1 |
| 91 | 24.1 | 11.7 | 35.0 |



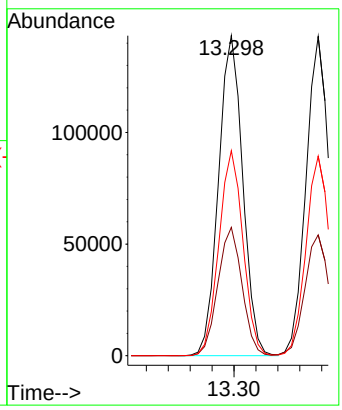


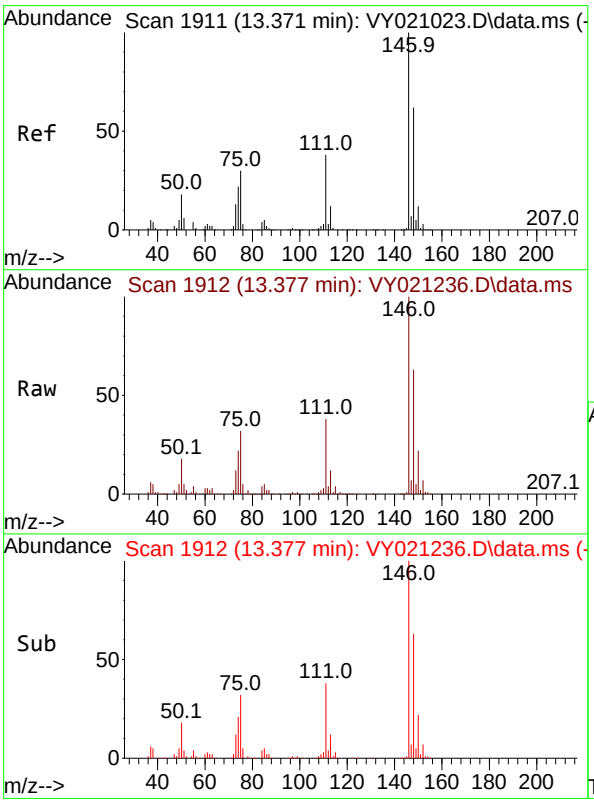

#87
1,3-Dichlorobenzene
Concen: 49.887 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 220193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 20.2 | 60.5 |
| 148 | 63.7 | 31.9 | 95.9 |

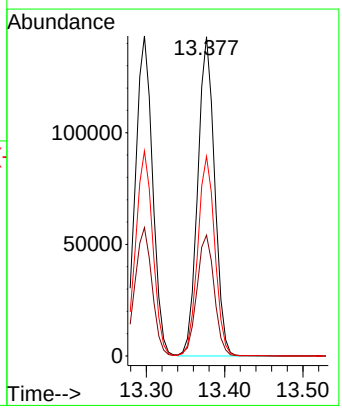


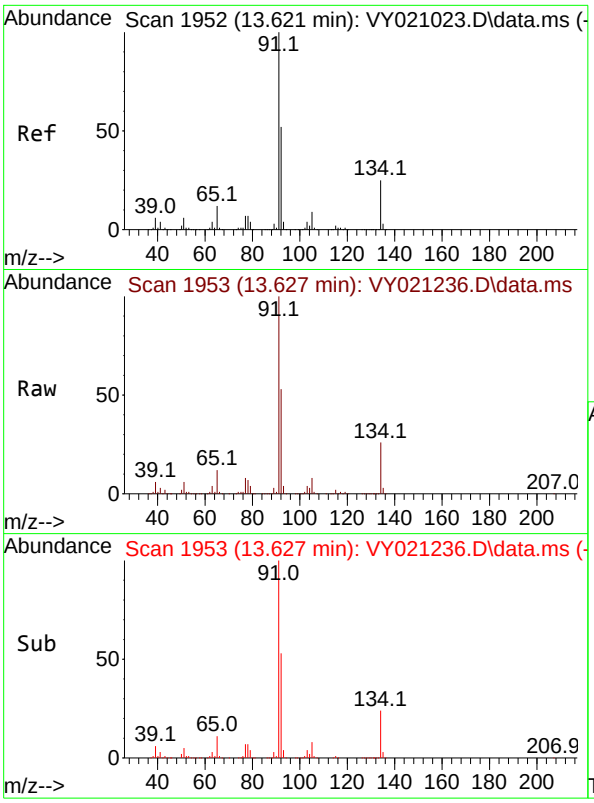




#88
1,4-Dichlorobenzene
Concen: 49.263 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:146 Resp: 214096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.8 | 19.3 | 57.9 |
| 148 | 63.3 | 31.6 | 94.7 |



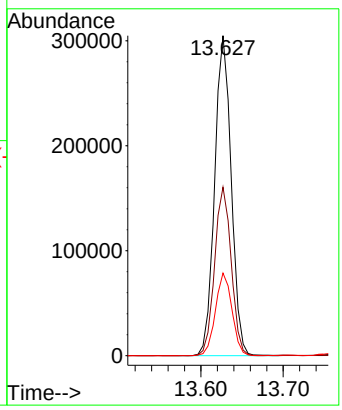


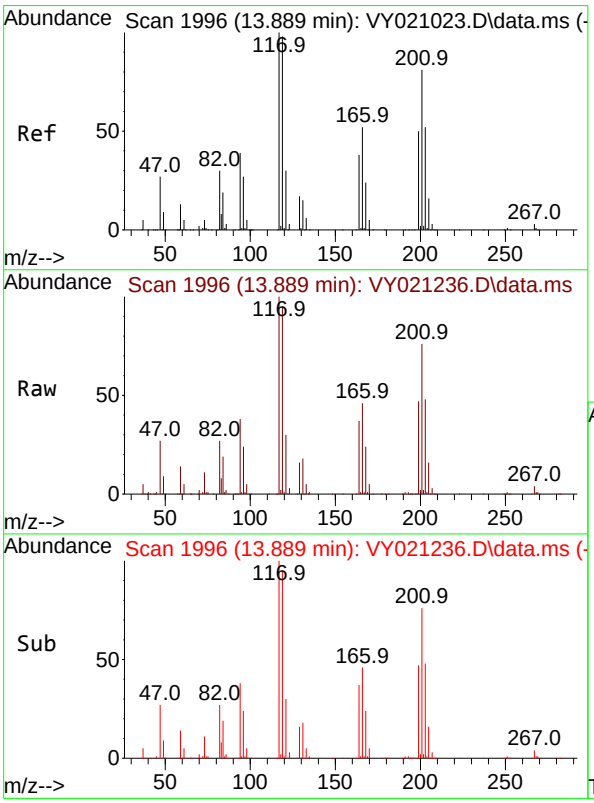

#89
n-Butylbenzene
Concen: 53.602 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 426856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 26.4 | 79.2 |
| 134 | 25.7 | 12.3 | 36.8 |

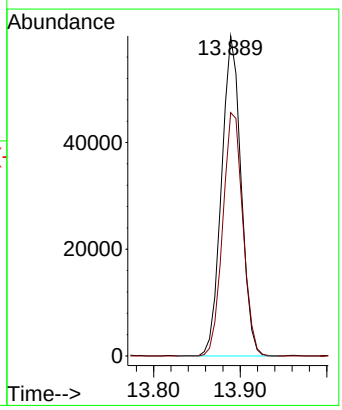


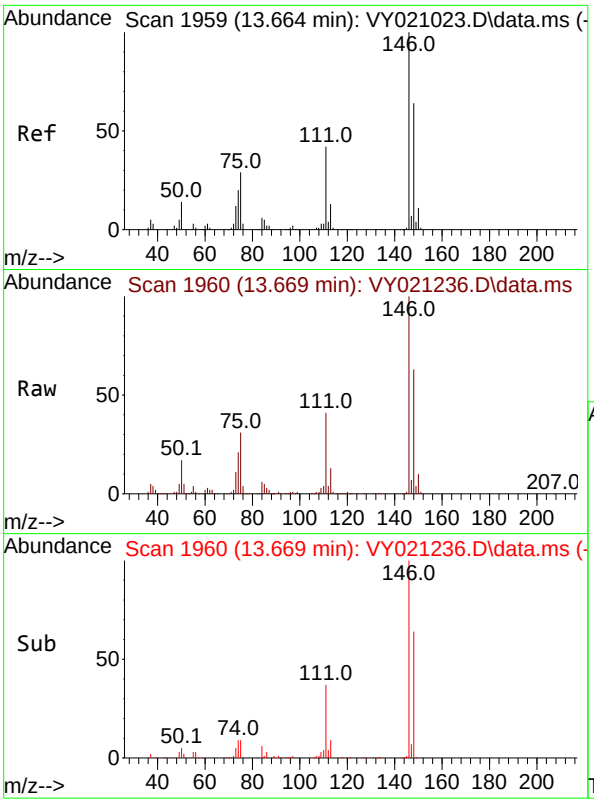




#90
Hexachloroethane
Concen: 51.535 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:117 Resp: 93847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.2 | 33.4 | 100.1 |



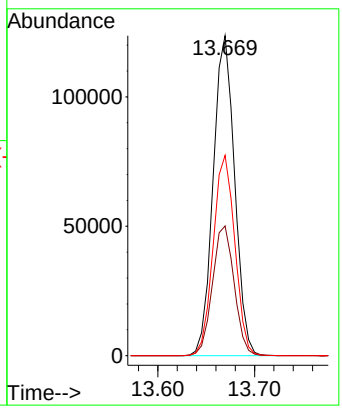


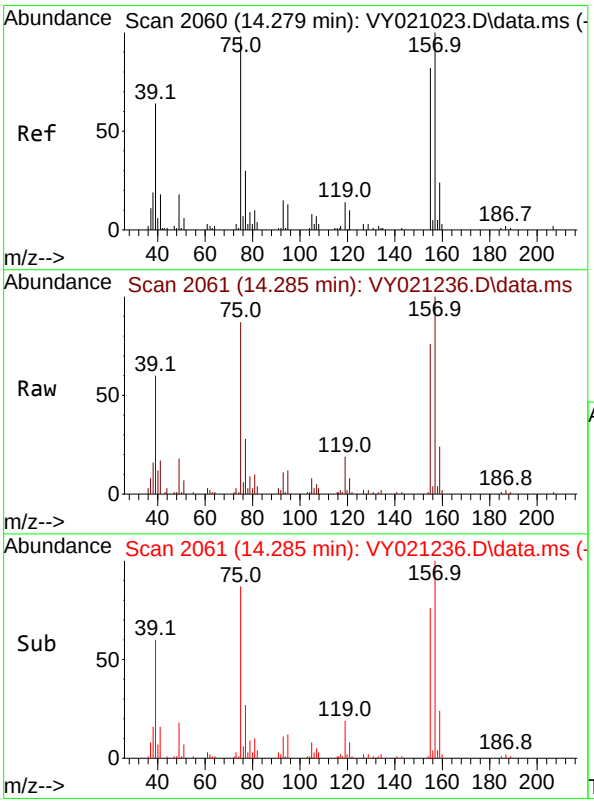

#91
1,2-Dichlorobenzene
Concen: 49.731 ug/l
RT: 13.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 190520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 20.5 | 61.6 |
| 148 | 63.2 | 31.4 | 94.3 |

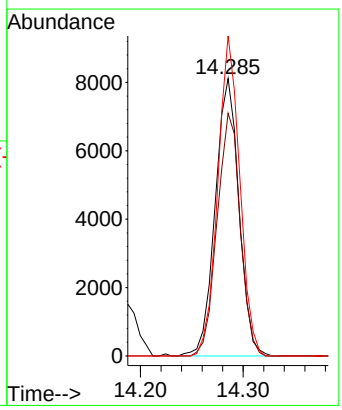


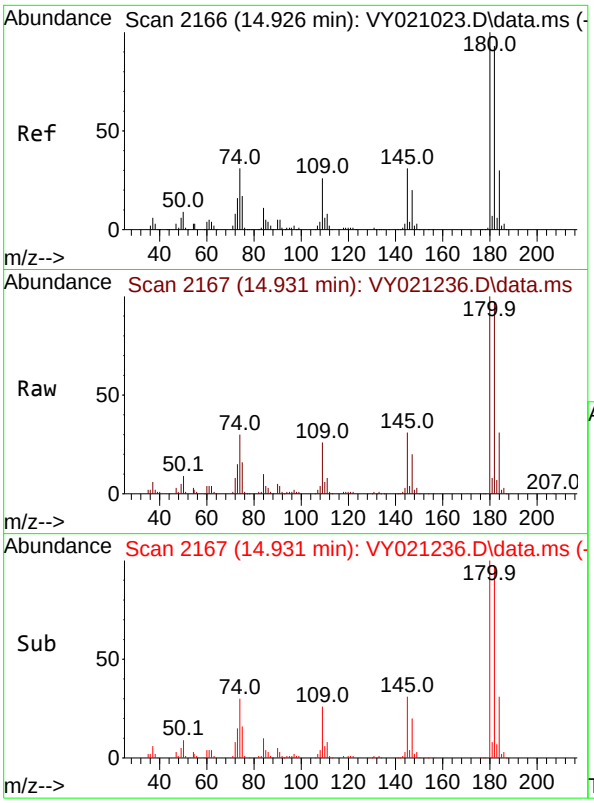




#92
1,2-Dibromo-3-Chloropropane
Concen: 52.711 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion: 75 Resp: 12977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.9 | 42.1 | 126.3 |
| 157 | 106.7 | 55.8 | 167.4 |



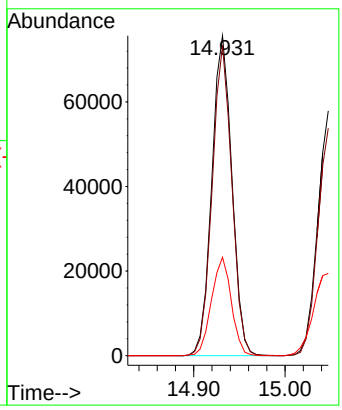


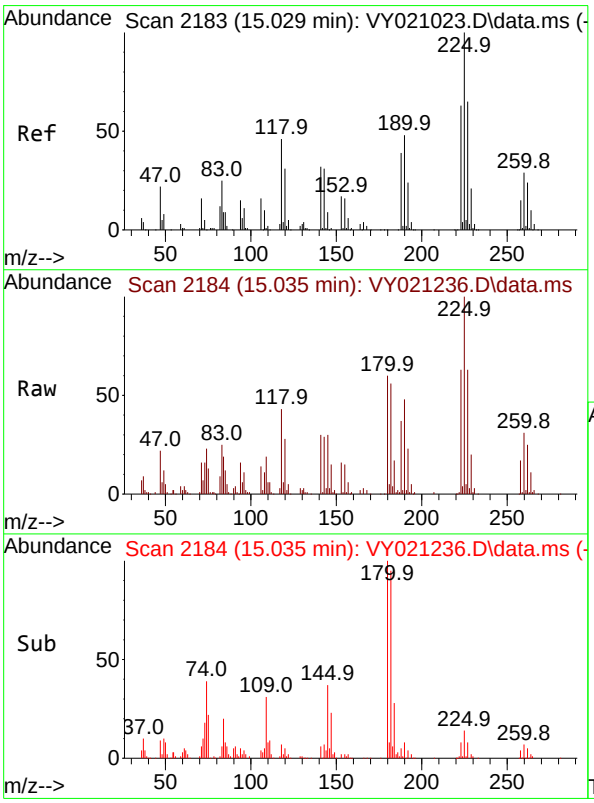

#93
1,2,4-Trichlorobenzene
Concen: 54.103 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 115371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 47.9 | 143.7 |
| 145 | 30.4 | 15.9 | 47.7 |

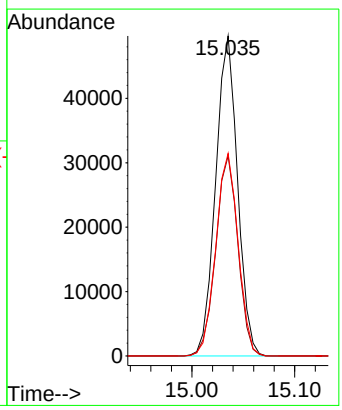


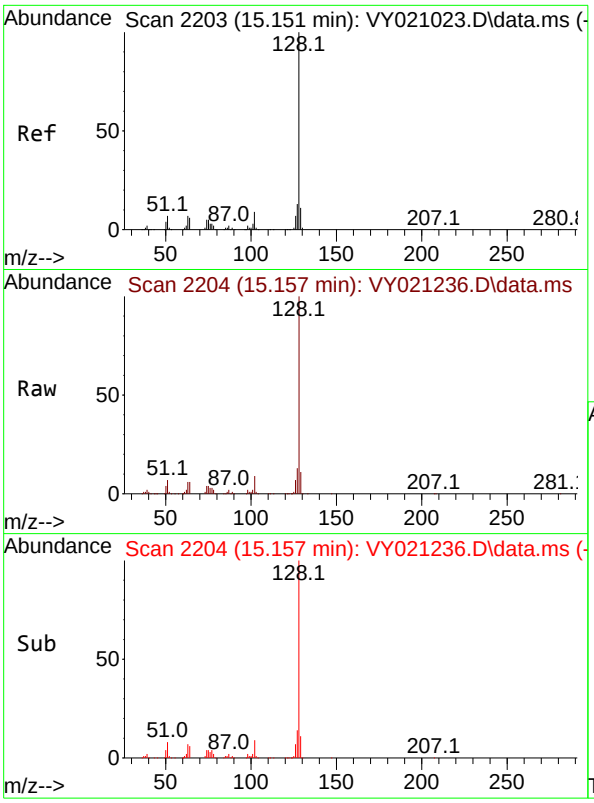




#94
Hexachlorobutadiene
Concen: 51.945 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:225 Resp: 73405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 31.4 | 94.3 |
| 227 | 64.6 | 32.3 | 96.8 |



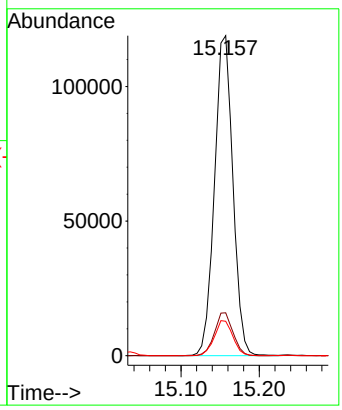


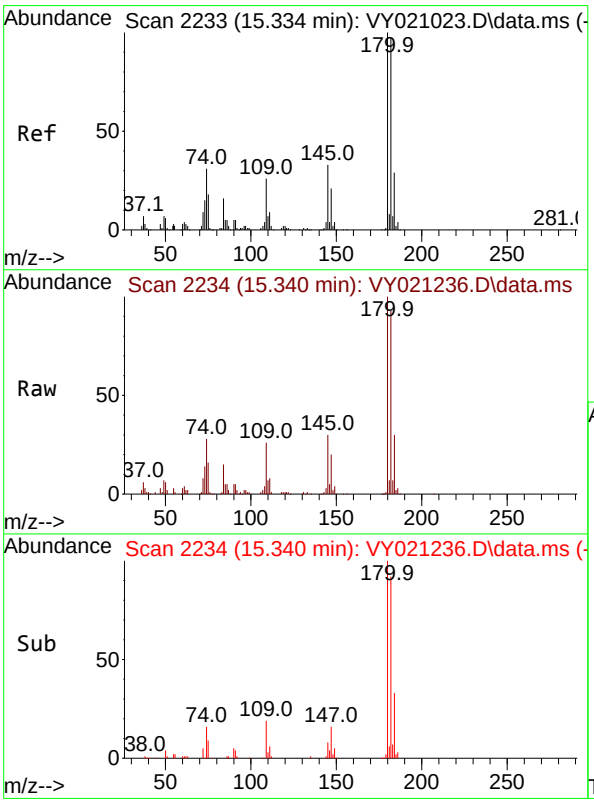

#95
Naphthalene
Concen: 56.964 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 194341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.5 | 10.2 | 15.4 |
| 129 | 11.0 | 8.6 | 12.8 |

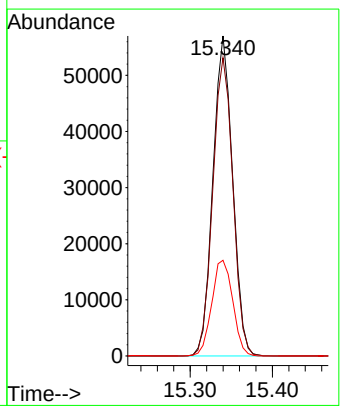



#96
1,2,3-Trichlorobenzene
Concen: 53.438 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021236.D
Acq: 19 Feb 2025 14:55

Tgt Ion:180 Resp: 94833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.3 | 138.8 |
| 145 | 31.9 | 16.1 | 48.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 187422 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 302089 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 255752 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 127239 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 96623 | 50.317 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 100.640% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 94052 | 48.581 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 97.160% | | | |
| 50) Toluene-d8 | 10.115 | 98 | 348838 | 47.329 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 94.660% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 121983 | 50.660 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 101.320% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 46376 | 27.762 | ug/l | 95 |
| 3) Chloromethane | 2.074 | 50 | 49490 | 30.024 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 48103 | 28.993 | ug/l | 99 |
| 5) Bromomethane | 2.604 | 94 | 28987 | 28.268 | ug/l | 97 |
| 6) Chloroethane | 2.745 | 64 | 28721 | 29.080 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 73884 | 24.443 | ug/l | 99 |
| 8) Diethyl Ether | 3.464 | 74 | 21968 | 23.281 | ug/l | 94 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 44280 | 23.341 | ug/l | 98 |
| 10) Methyl Iodide | 4.019 | 142 | 48916 | 23.209 | ug/l | 93 |
| 11) Tert butyl alcohol | 4.885 | 59 | 14572 | 111.981 | ug/l # | 92 |
| 12) 1,1-Dichloroethene | 3.805 | 96 | 42418 | 23.737 | ug/l | 95 |
| 13) Acrolein | 3.659 | 56 | 17095 | 85.311 | ug/l | 98 |
| 14) Allyl chloride | 4.397 | 41 | 72775 | 24.163 | ug/l | 96 |
| 15) Acrylonitrile | 5.067 | 53 | 44404 | 113.006 | ug/l | 98 |
| 16) Acetone | 3.885 | 43 | 39310 | 131.268 | ug/l | 94 |
| 17) Carbon Disulfide | 4.116 | 76 | 137791 | 24.590 | ug/l | 99 |
| 18) Methyl Acetate | 4.391 | 43 | 23178 | 22.048 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.128 | 73 | 105645 | 23.389 | ug/l | 97 |
| 20) Methylene Chloride | 4.628 | 84 | 45224 | 24.293 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 45969 | 23.369 | ug/l | 97 |
| 22) Diisopropyl ether | 6.025 | 45 | 150882 | 24.305 | ug/l | 93 |
| 23) Vinyl Acetate | 5.970 | 43 | 412742 | 119.267 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 85267 | 23.444 | ug/l | 98 |
| 25) 2-Butanone | 6.909 | 43 | 58186 | 118.240 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 77868 | 23.138 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 51981 | 22.958 | ug/l | 91 |
| 28) Bromochloromethane | 7.256 | 49 | 29792 | 20.715 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.268 | 42 | 38714 | 116.263 | ug/l | 95 |
| 30) Chloroform | 7.433 | 83 | 86955 | 23.276 | ug/l | 99 |
| 31) Cyclohexane | 7.707 | 56 | 77540 | 23.674 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 78817 | 22.692 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 63470 | 22.134 | ug/l | 99 |
| 37) Ethyl Acetate | 6.994 | 43 | 28755 | 22.858 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 71680 | 21.393 | ug/l | 99 |
| 39) Methylcyclohexane | 9.115 | 83 | 79691 | 22.720 | ug/l | 98 |
| 40) Benzene | 8.085 | 78 | 190547 | 22.643 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.238 | 41 | 14636 | 20.111 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 52885 | 22.655 | ug/l | | 96 |
| 43) Isopropyl Acetate | 8.201 | 43 | 54845 | 21.942 | ug/l | | 98 |
| 44) Trichloroethene | 8.872 | 130 | 47883 | 22.024 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 45225 | 22.642 | ug/l | | 98 |
| 46) Dibromomethane | 9.237 | 93 | 23475 | 21.227 | ug/l | | 95 |
| 47) Bromodichloromethane | 9.432 | 83 | 65662 | 22.139 | ug/l | | 95 |
| 48) Methyl methacrylate | 9.225 | 41 | 26336 | 23.131 | ug/l | | 94 |
| 49) 1,4-Dioxane | 9.243 | 88 | 4617 | 448.469 | ug/l | | 91 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 138316 | 110.039 | ug/l | | 96 |
| 52) Toluene | 10.176 | 92 | 119448 | 22.606 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 58250 | 21.872 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 9.865 | 75 | 69958 | 22.186 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 31141 | 21.745 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.444 | 69 | 41640 | 21.735 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 55442 | 22.367 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 92595 | 101.594 | ug/l | | 99 |
| 59) 2-Hexanone | 10.768 | 43 | 89716 | 110.855 | ug/l | | 96 |
| 60) Dibromochloromethane | 10.920 | 129 | 43058 | 21.410 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 29203 | 21.771 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.652 | 164 | 41352 | 21.781 | ug/l | | 96 |
| 65) Chlorobenzene | 11.450 | 112 | 124714 | 21.900 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 44369 | 21.924 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.524 | 91 | 220992 | 21.940 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.633 | 106 | 170065 | 45.133 | ug/l | | 98 |
| 69) o-Xylene | 11.963 | 106 | 78675 | 22.395 | ug/l | | 96 |
| 70) Styrene | 11.975 | 104 | 130042 | 22.209 | ug/l | | 97 |
| 71) Bromoform | 12.139 | 173 | 24089 | 21.385 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.261 | 105 | 211405 | 21.270 | ug/l | | 100 |
| 74) N-amyl acetate | 12.078 | 43 | 45761 | 21.059 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 34149 | 20.659 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 45907 | 39.773 | ug/l | # | 100 |
| 77) Bromobenzene | 12.542 | 156 | 47410 | 20.670 | ug/l | | 96 |
| 78) n-propylbenzene | 12.603 | 91 | 255730 | 21.599 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 145452 | 21.449 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 173873 | 21.577 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 11131 | 19.678 | ug/l | | 87 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 151381 | 21.910 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.005 | 119 | 155556 | 21.237 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 170537 | 21.644 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 222457 | 21.099 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 185286 | 21.155 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 93571 | 21.128 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 92191 | 21.142 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.627 | 91 | 169011 | 21.153 | ug/l | | 98 |
| 90) Hexachloroethane | 13.889 | 117 | 38075 | 20.838 | ug/l | | 88 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 80080 | 20.833 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 5034 | 20.379 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 44493 | 20.795 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 29370 | 20.714 | ug/l | | 98 |
| 95) Naphthalene | 15.151 | 128 | 69571 | 20.324 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 36476 | 20.486 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

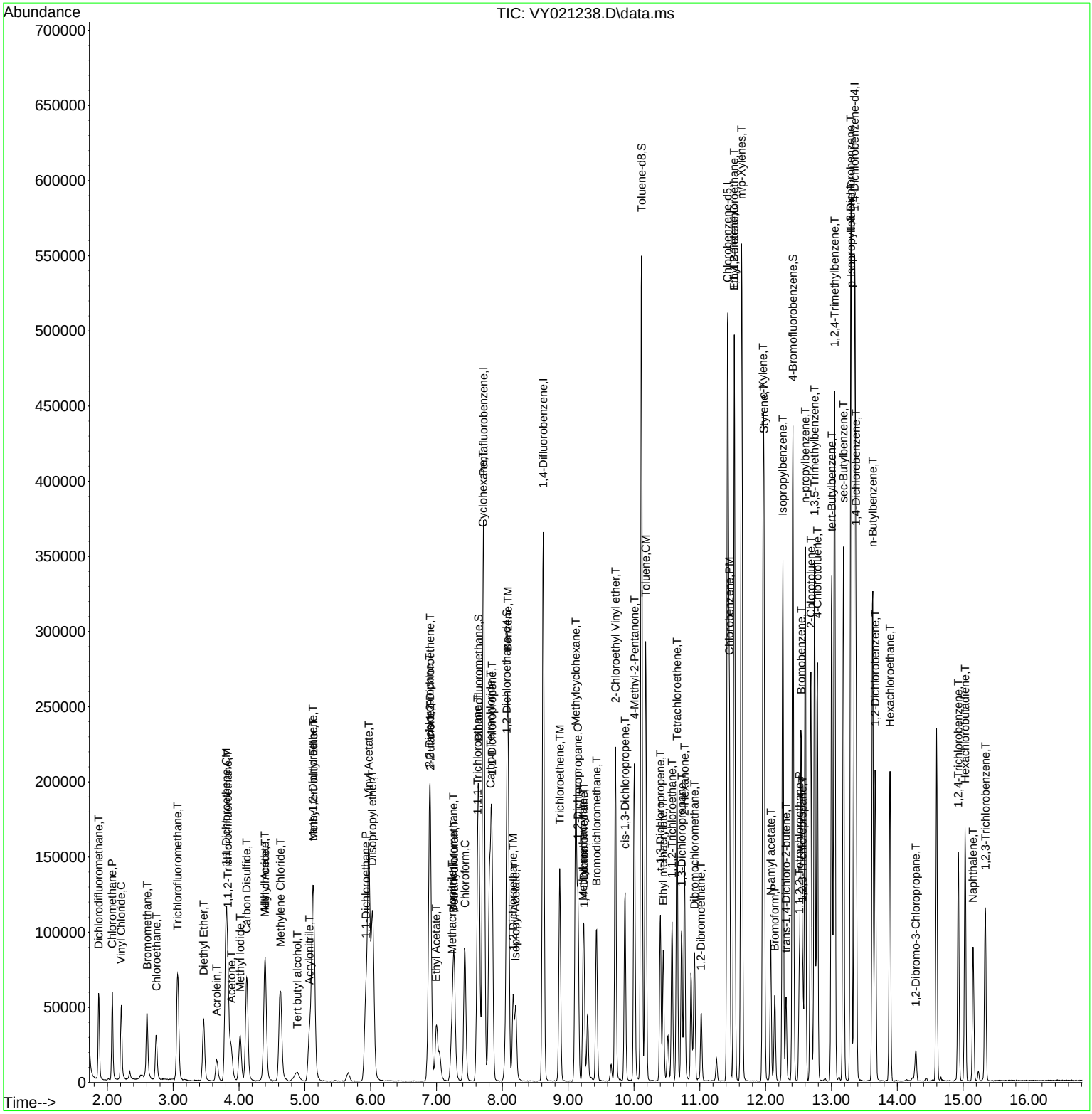
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

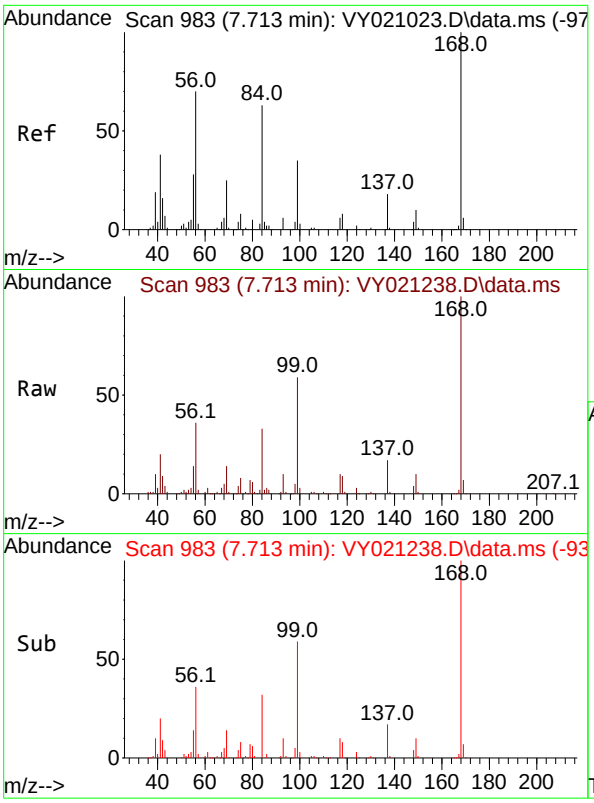
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021238.D
Acq On : 19 Feb 2025 15:49
Operator : SY/MD
Sample : VY0219SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Quant Time: Feb 20 00:17:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



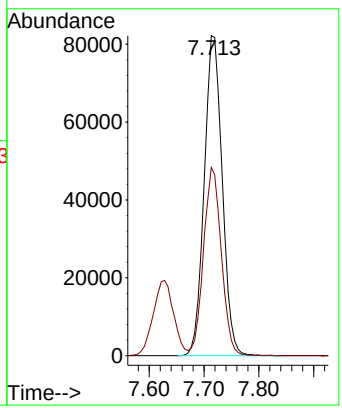


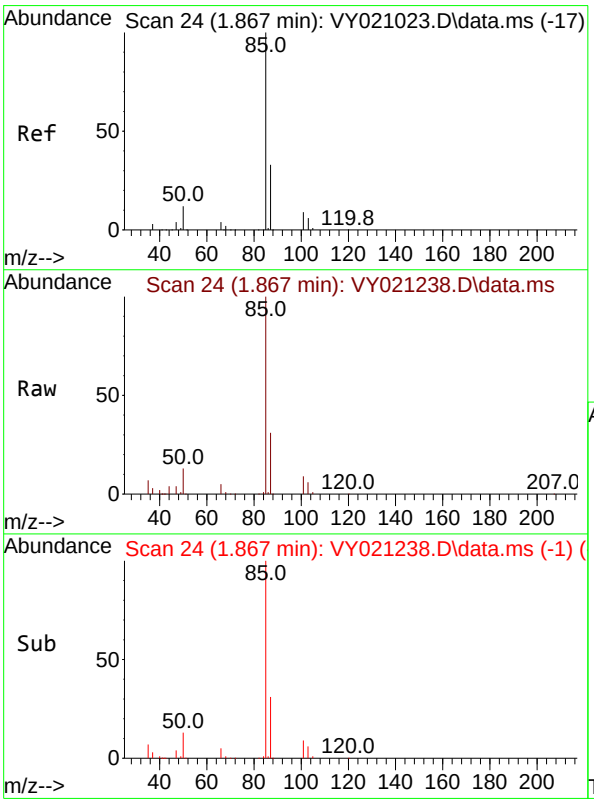

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:168 Resp: 187422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.8 | 44.2 | 66.4 |

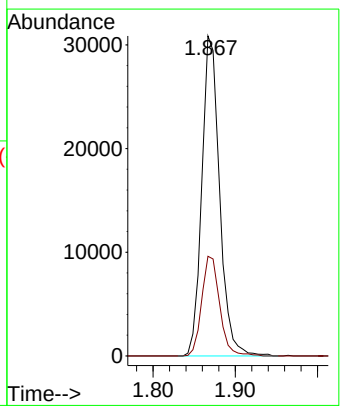


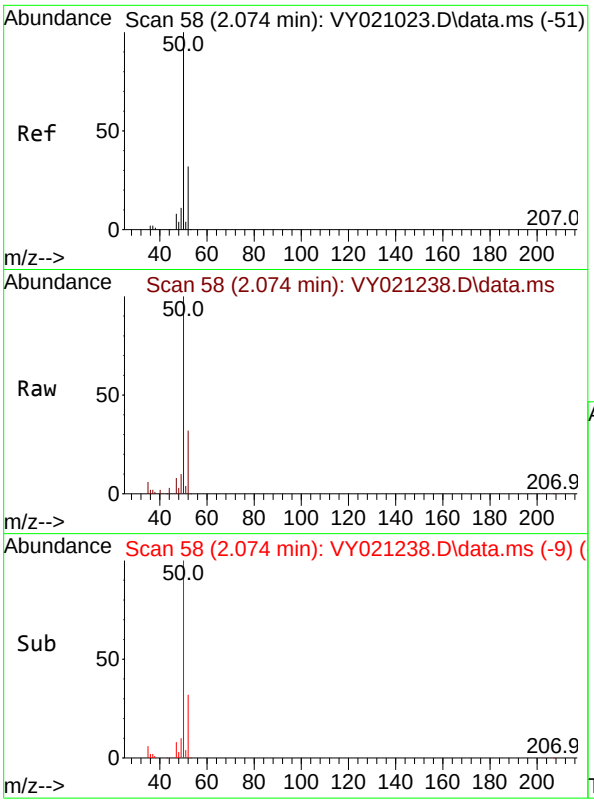




#2
Dichlorodifluoromethane
Concen: 27.762 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 85 Resp: 46376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.1 | 17.1 | 51.3 |



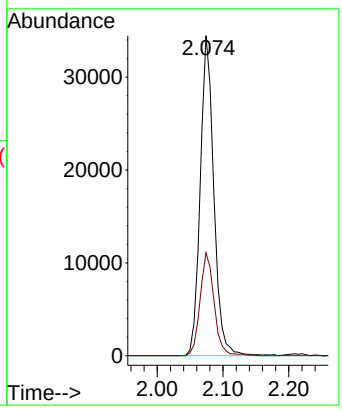


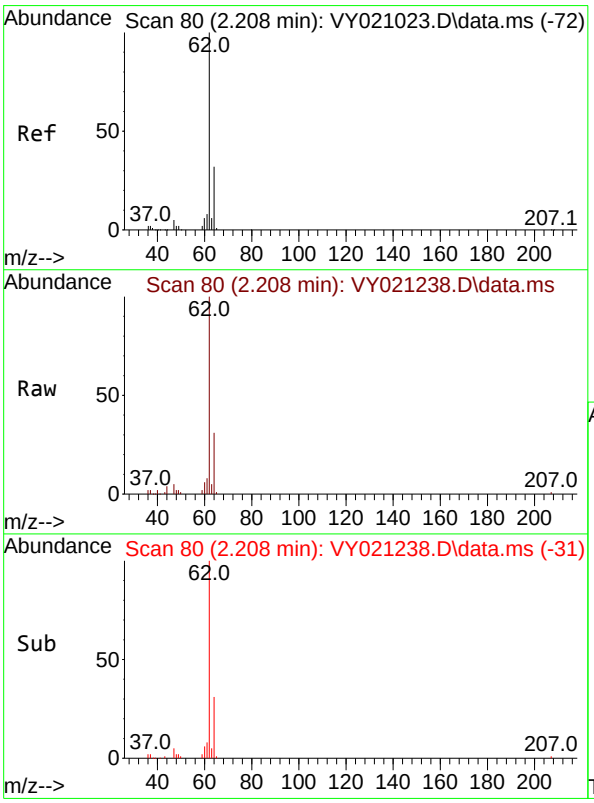

#3
Chloromethane
Concen: 30.024 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 50 Resp: 49490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.1 | 26.7 | 40.1 |

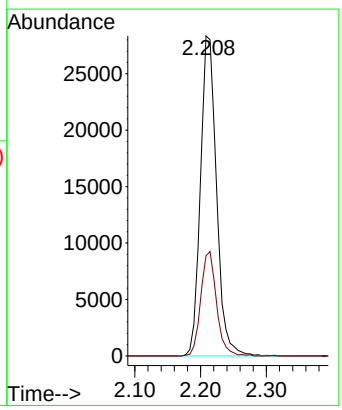


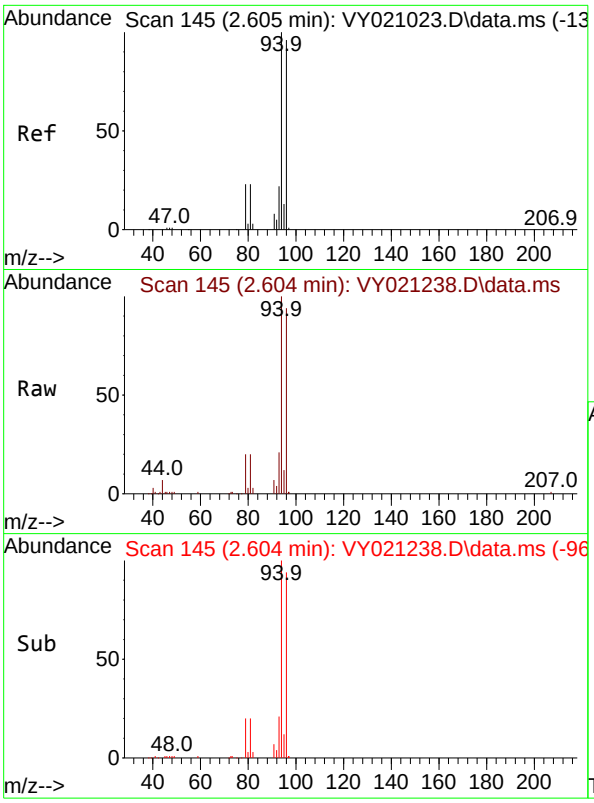




#4
Vinyl Chloride
Concen: 28.993 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 62 Resp: 48103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.3 | 25.7 | 38.5 |



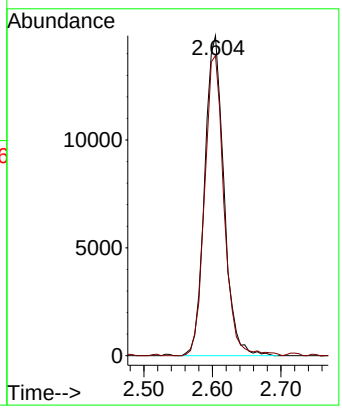


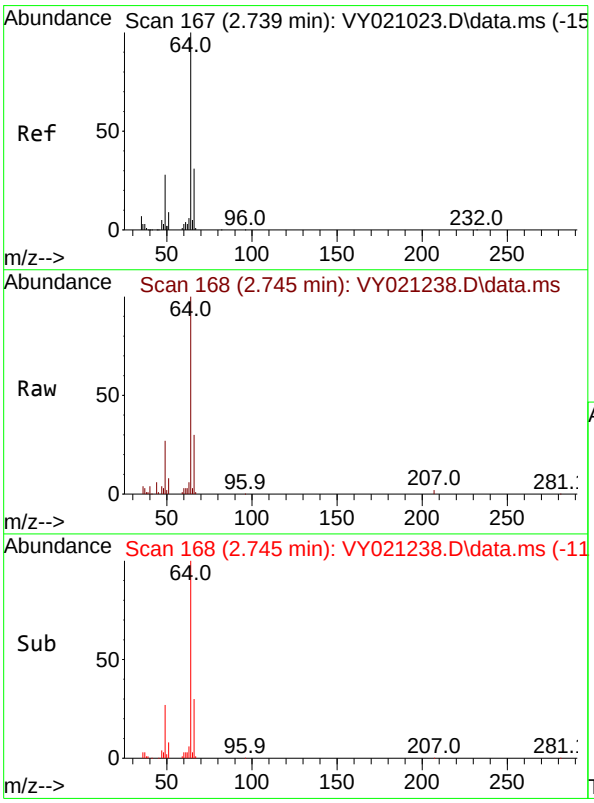

#5
Bromomethane
Concen: 28.268 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 94 Resp: 28987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.8 | 77.3 | 115.9 |

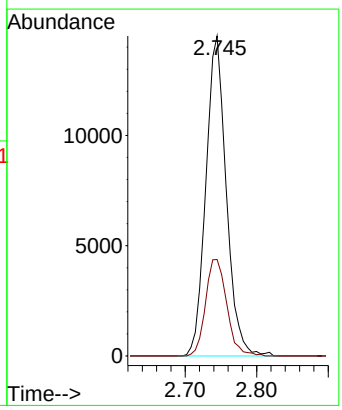


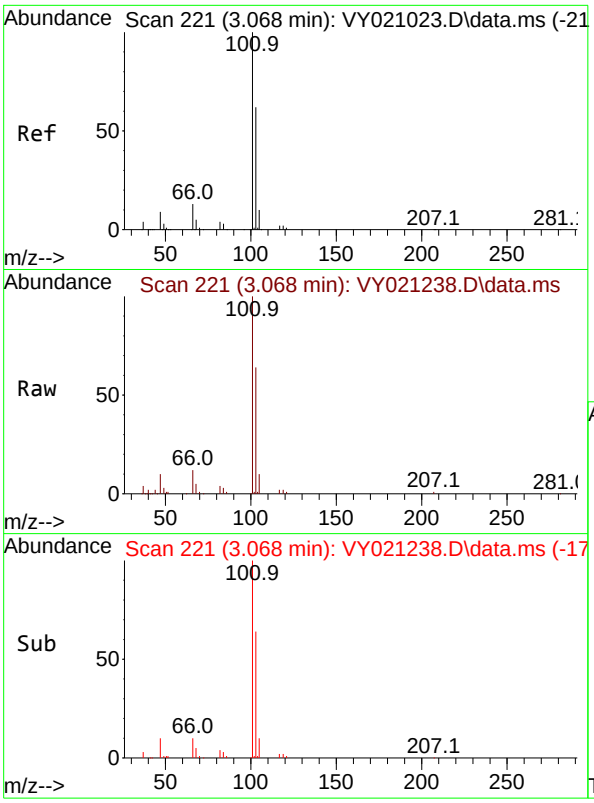




#6
Chloroethane
Concen: 29.080 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 64 Resp: 28721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.2 | 25.1 | 37.7 |



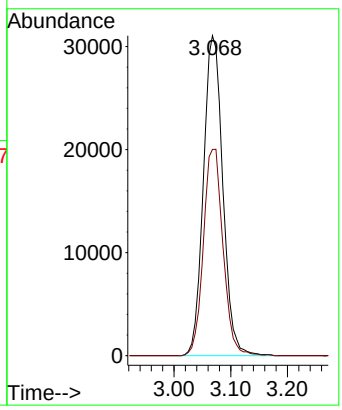


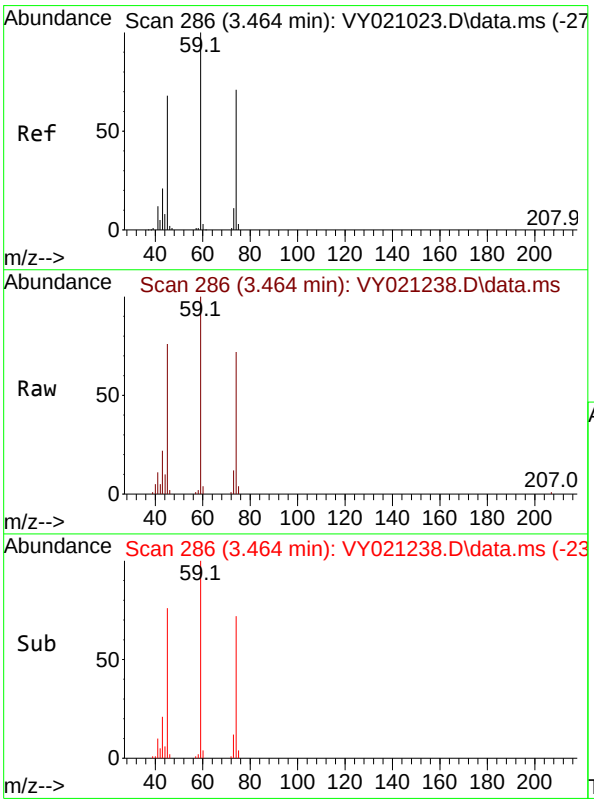

#7
Trichlorofluoromethane
Concen: 24.443 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:101 Resp: 73884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.5 | 51.9 | 77.9 |

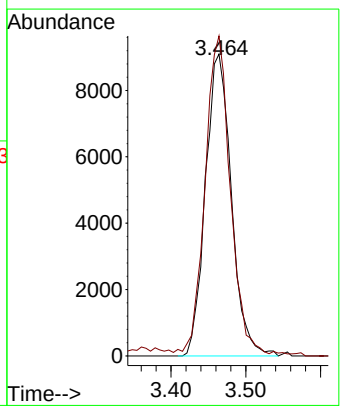


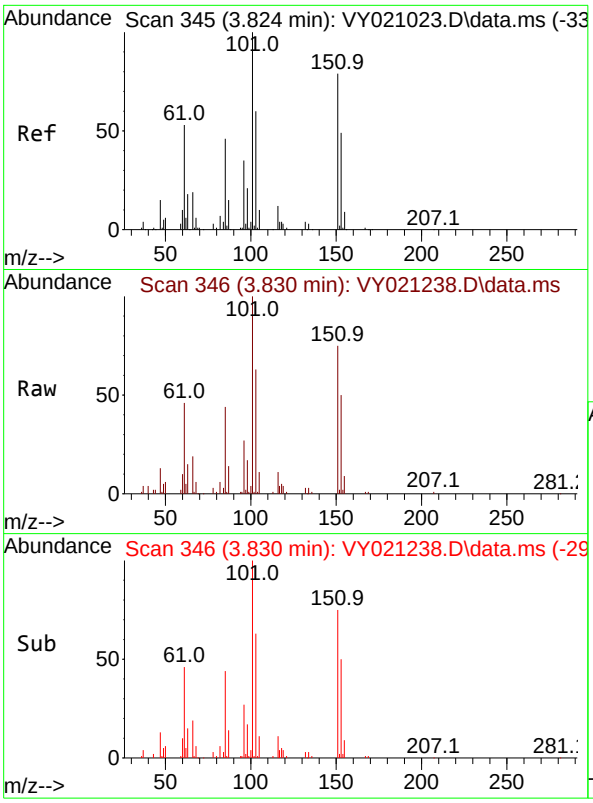




#8
Diethyl Ether
Concen: 23.281 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 74 Resp: 21968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.4 | 47.9 | 143.7 |



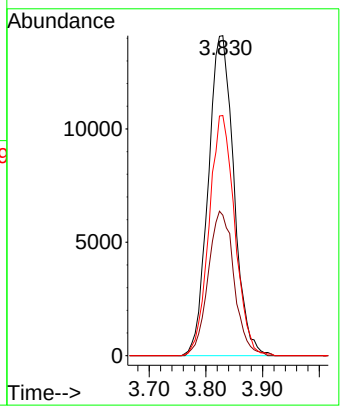


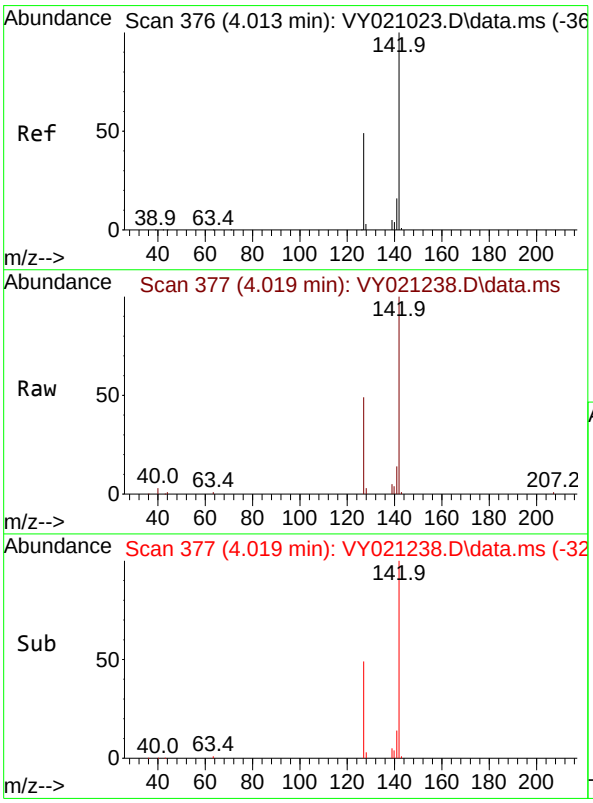

#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.341 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:101 Resp: 44280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.6 | 35.8 | 53.6 |
| 151 | 75.2 | 58.6 | 88.0 |

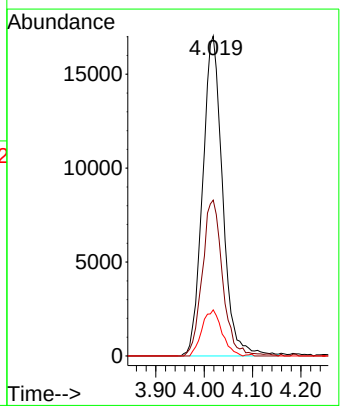


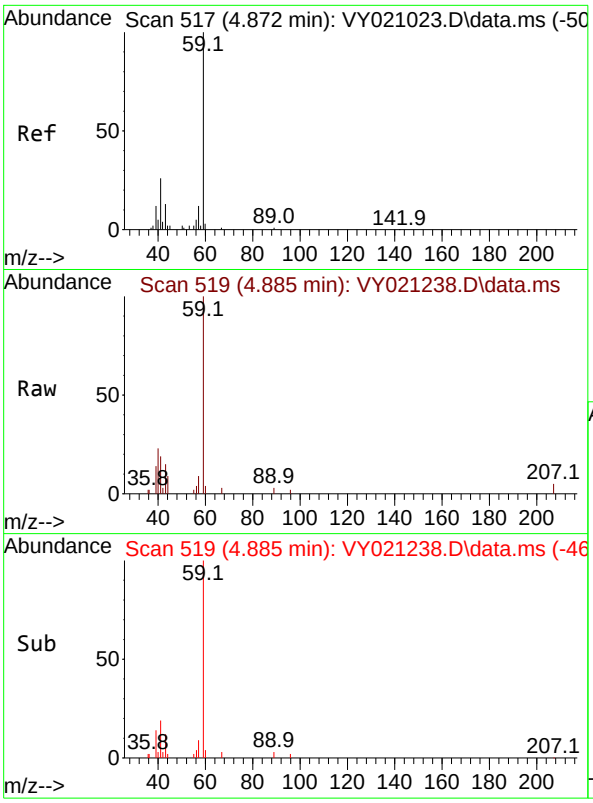




#10
Methyl Iodide
Concen: 23.209 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:142 Resp: 48916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.7 | 35.1 | 52.7 |
| 141 | 14.4 | 11.8 | 17.6 |



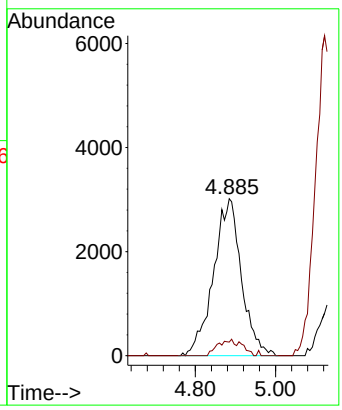


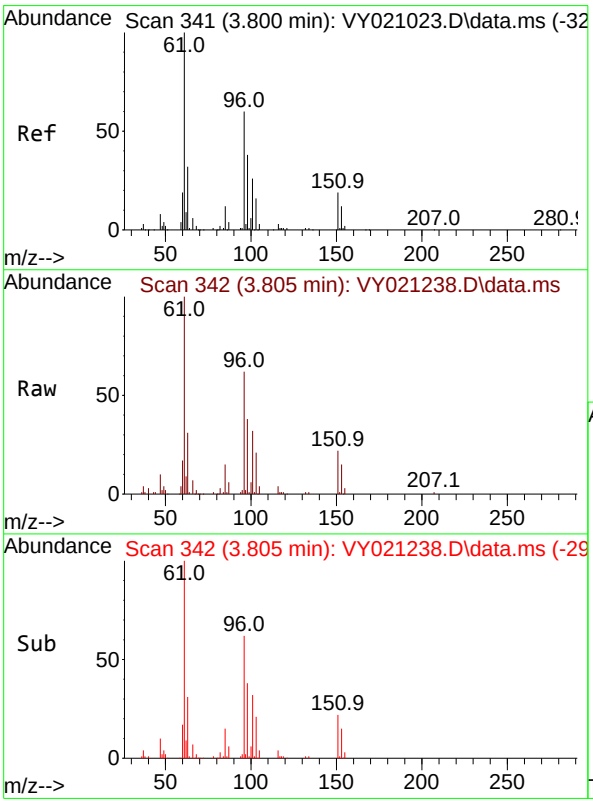

#11
Tert butyl alcohol
Concen: 111.981 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 59 Resp: 14572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 6.3 | 7.4 | 11.0# |

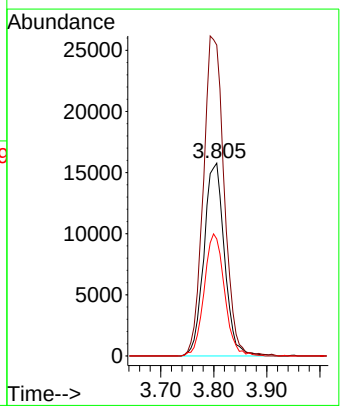


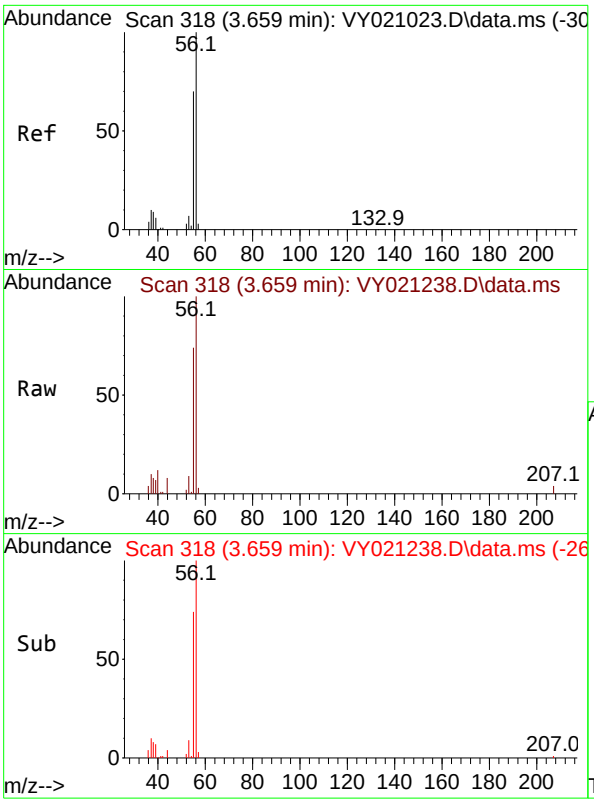




#12
1,1-Dichloroethene
Concen: 23.737 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 96 Resp: 42418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.2 | 124.2 | 186.2 |
| 98 | 60.7 | 52.6 | 79.0 |



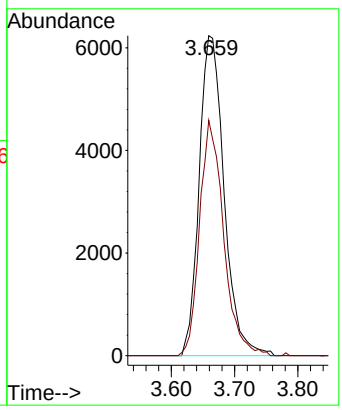


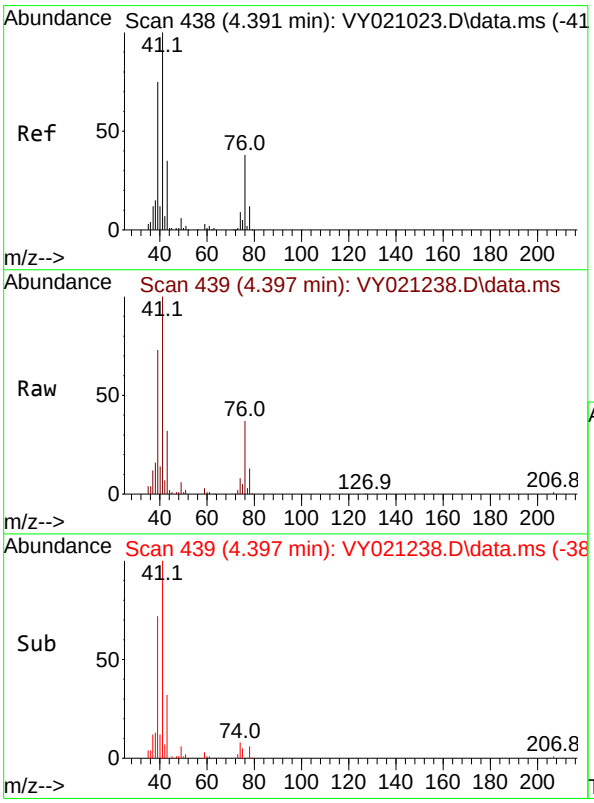

#13
Acrolein
Concen: 85.311 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 56 Resp: 17095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.7 | 55.4 | 83.0 |

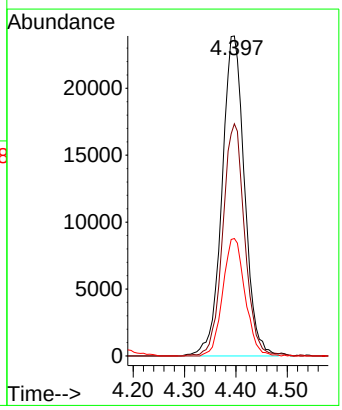


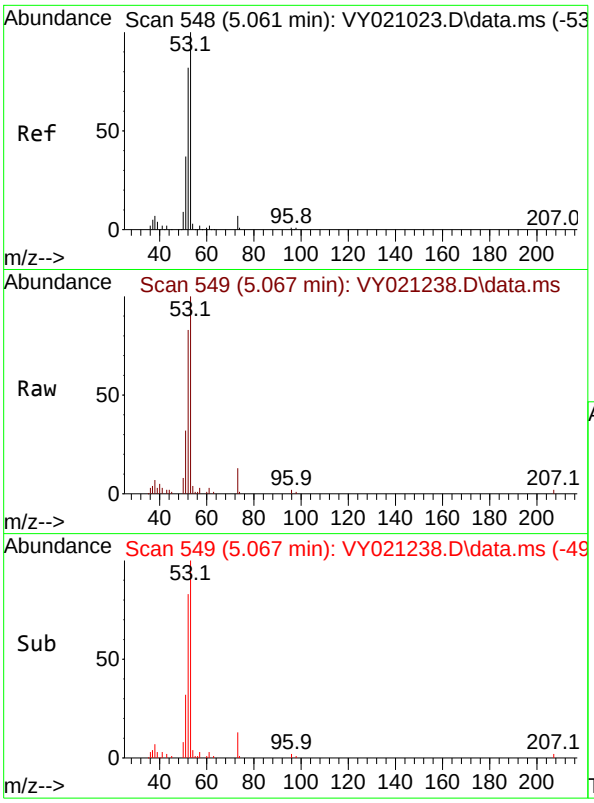




#14
Allyl chloride
Concen: 24.163 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 41 Resp: 72775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 70.8 | 54.7 | 82.1 |
| 76 | 36.3 | 31.8 | 47.6 |



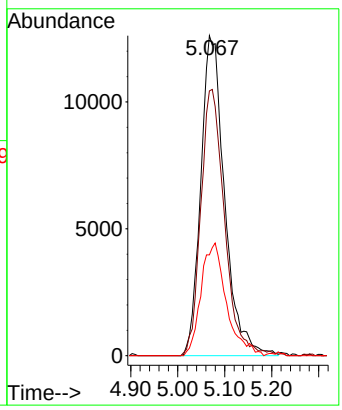


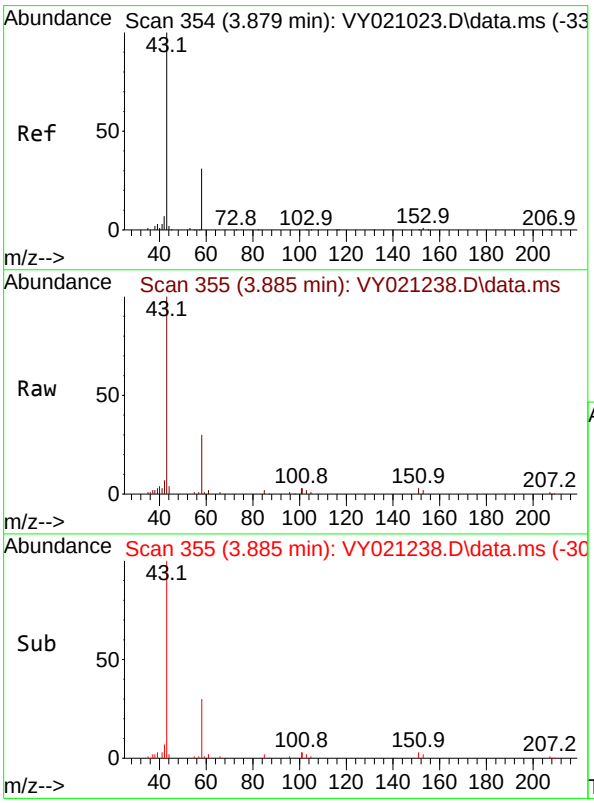

#15
Acrylonitrile
Concen: 113.006 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 53 Resp: 44404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.0 | 65.1 | 97.7 |
| 51 | 37.4 | 29.0 | 43.4 |

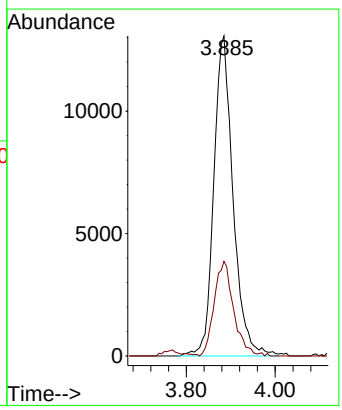


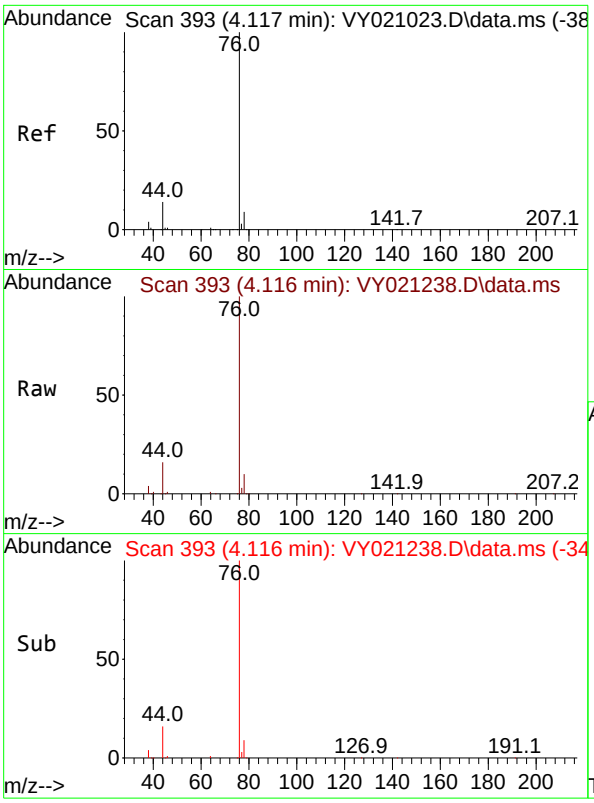




#16
Acetone
Concen: 131.268 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 39310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.6 | 26.6 | 39.8 |



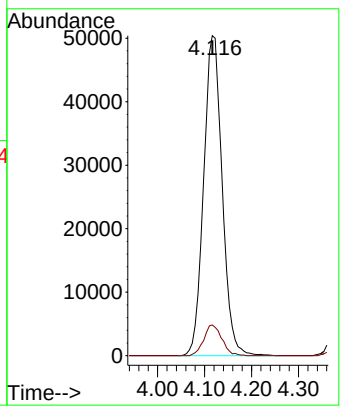


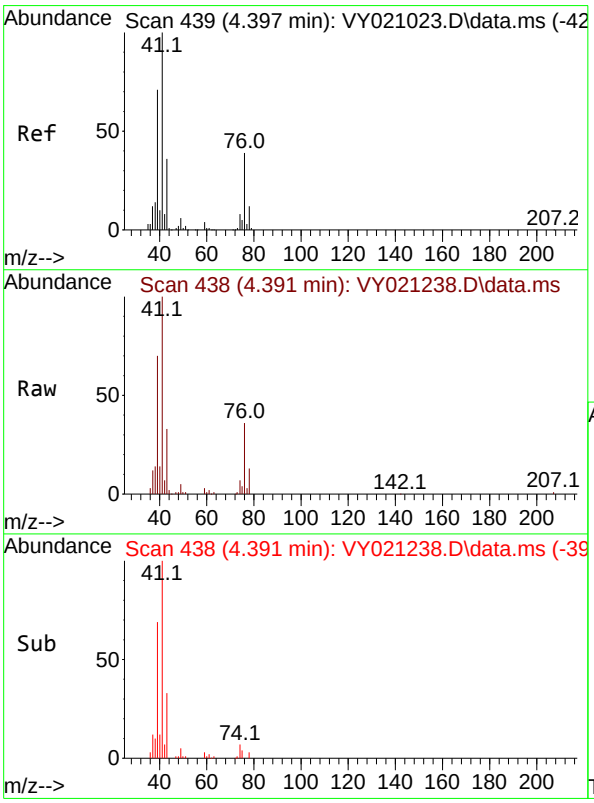

#17
Carbon Disulfide
Concen: 24.590 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 76 Resp: 137791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.6 | 7.4 | 11.0 |

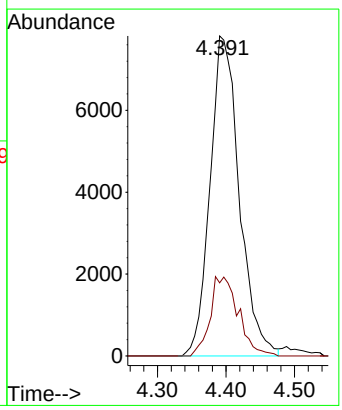


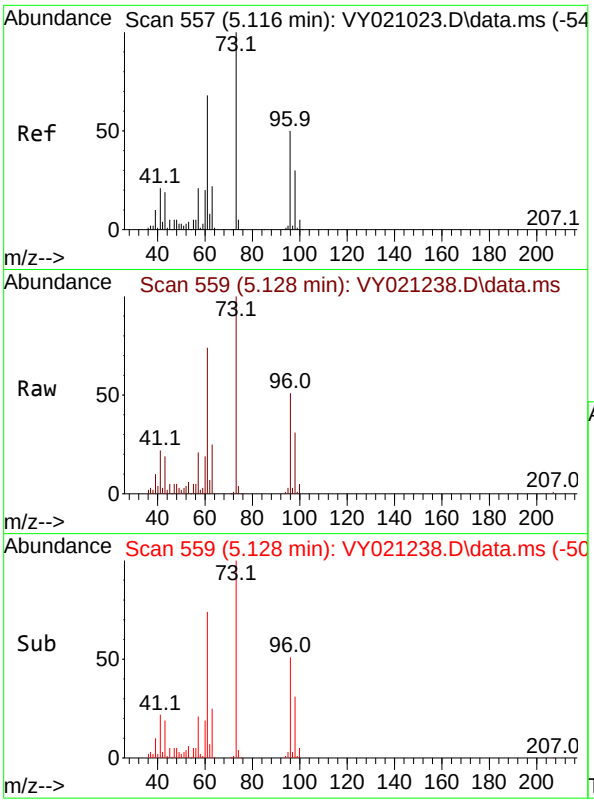




#18
Methyl Acetate
Concen: 22.048 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 23178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.9 | 19.8 | 29.6 |



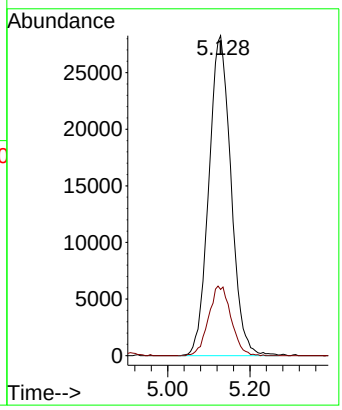


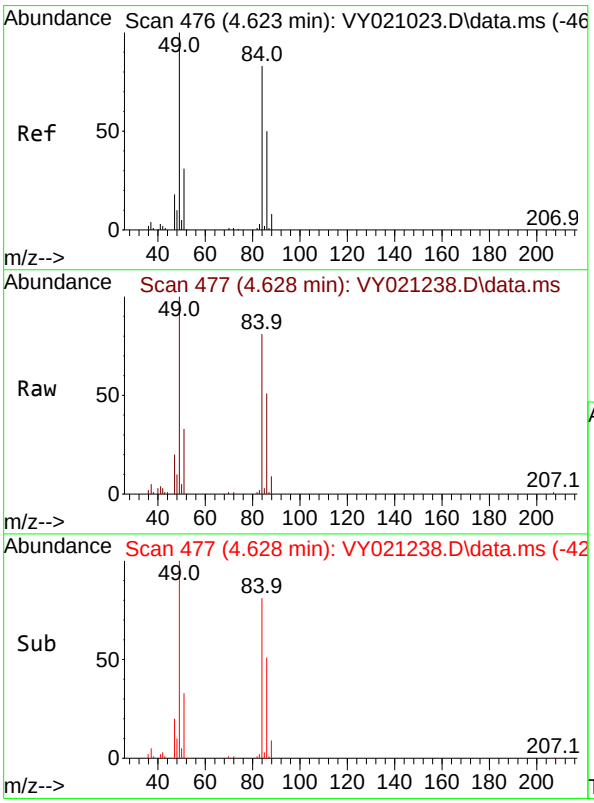

#19
Methyl tert-butyl Ether
Concen: 23.389 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 73 Resp: 105645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.7 | 17.7 | 26.5 |

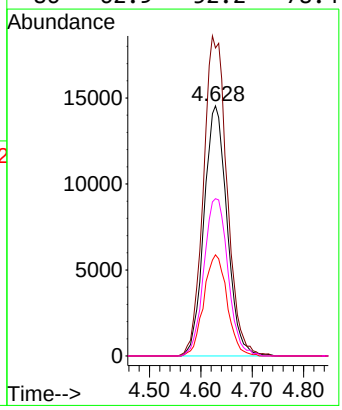


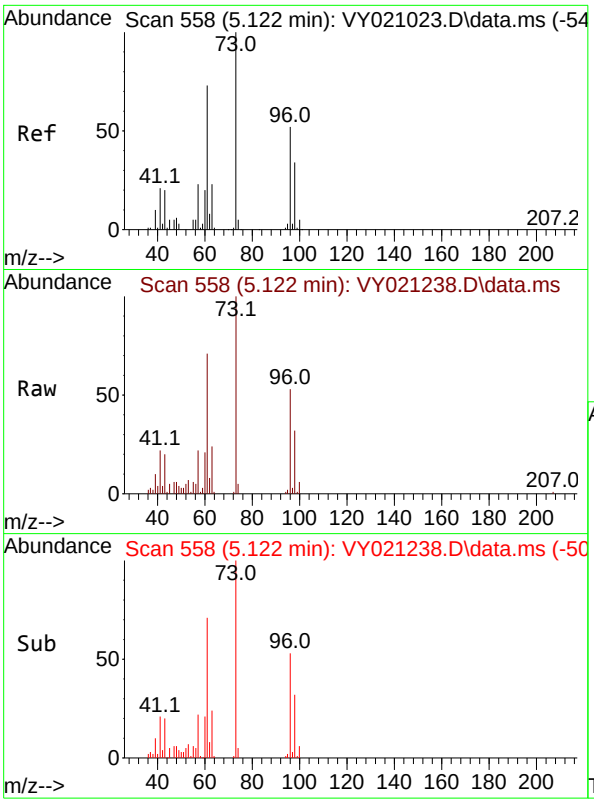




#20
Methylene Chloride
Concen: 24.293 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 84 Resp: 45224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.1 | 95.2 | 142.8 |
| 51 | 40.4 | 29.9 | 44.9 |
| 86 | 62.9 | 52.2 | 78.4 |



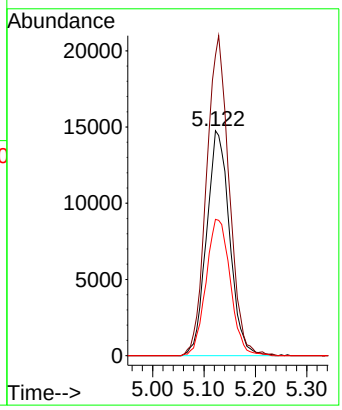


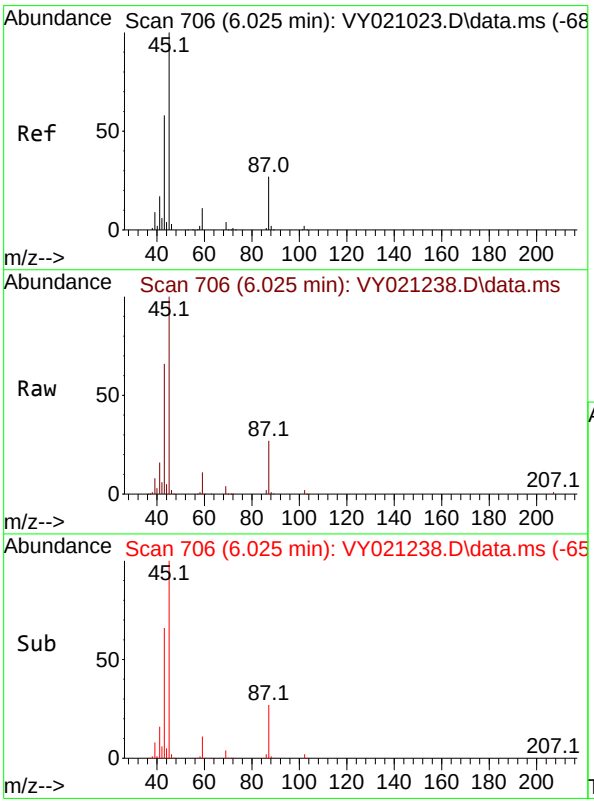

#21
trans-1,2-Dichloroethene
Concen: 23.369 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 96 Resp: 45969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.5 | 104.6 | 156.8 |
| 98 | 60.6 | 50.9 | 76.3 |

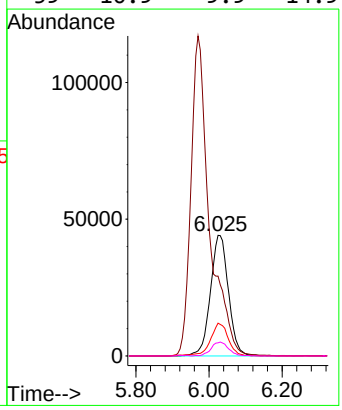


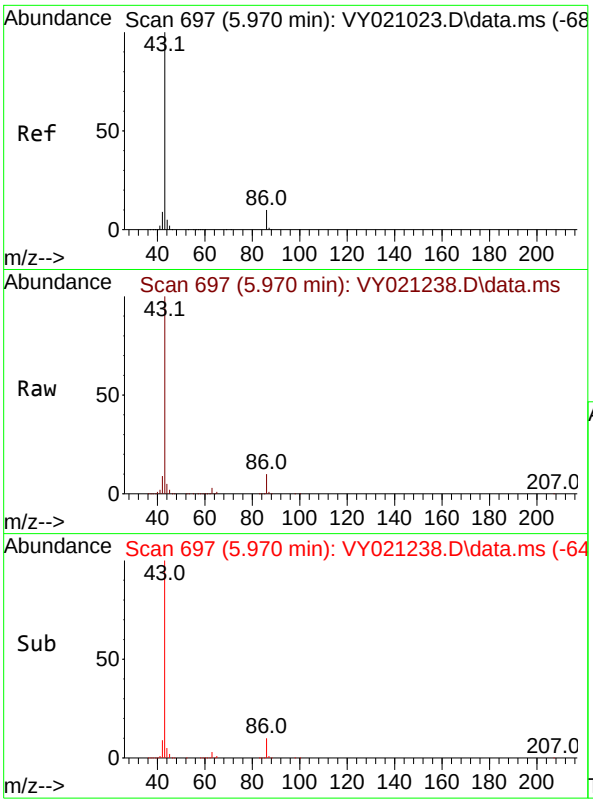




#22
Diisopropyl ether
Concen: 24.305 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 45 Resp: 150882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 65.9 | 46.8 | 70.2 |
| 87 | 27.2 | 22.2 | 33.2 |
| 59 | 10.9 | 9.9 | 14.9 |



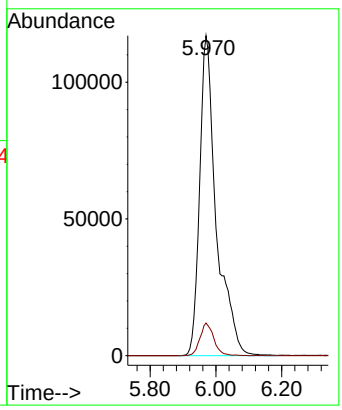


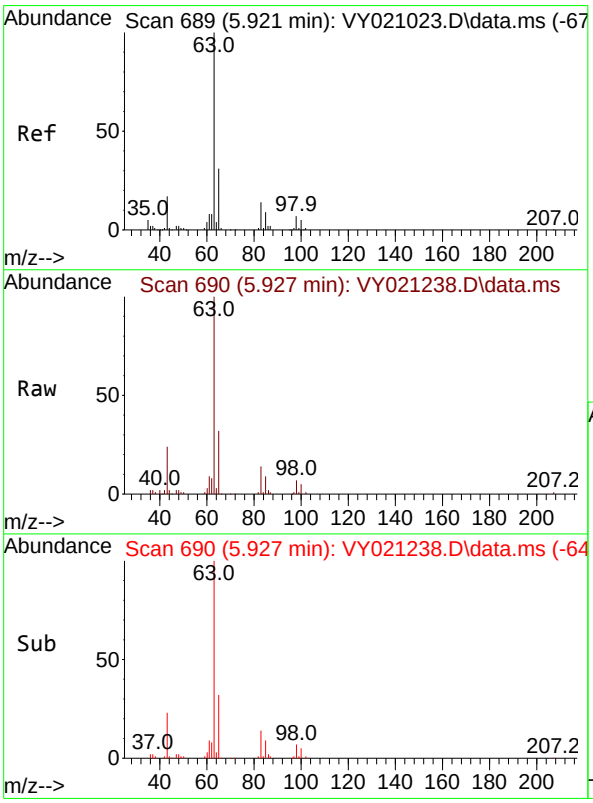

#23
Vinyl Acetate
Concen: 119.267 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 43 Resp: 412742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.6 | 13.0 |

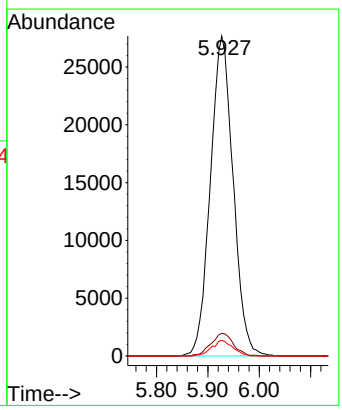


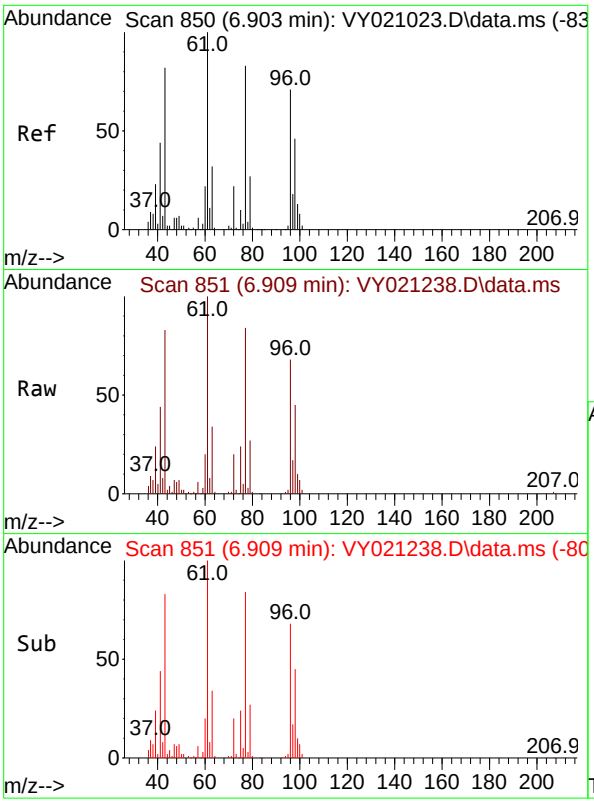




#24
1,1-Dichloroethane
Concen: 23.444 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 63 Resp: 85267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.8 | 11.4 |
| 100 | 4.8 | 2.1 | 6.2 |



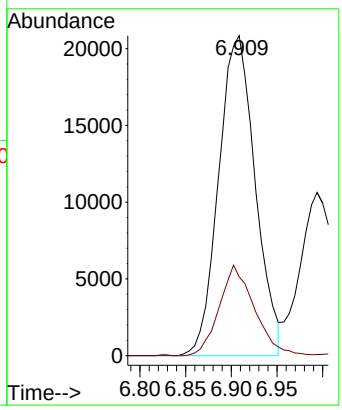


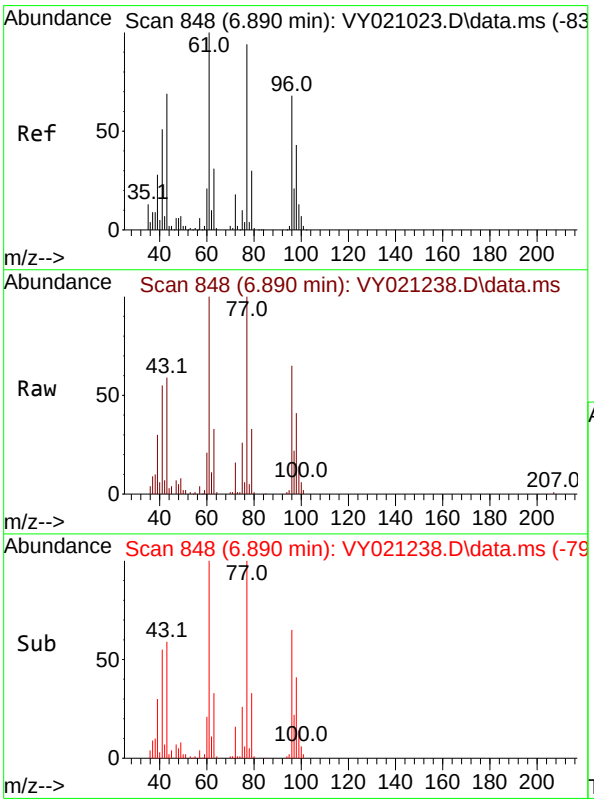

#25
2-Butanone
Concen: 118.240 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 43 Resp: 58186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 21.4 | 32.2 |

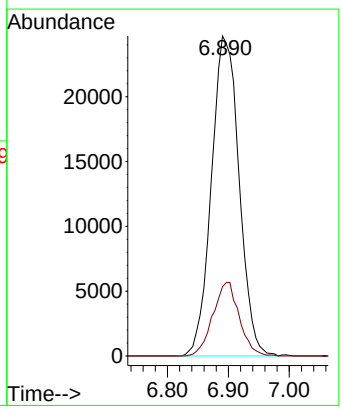


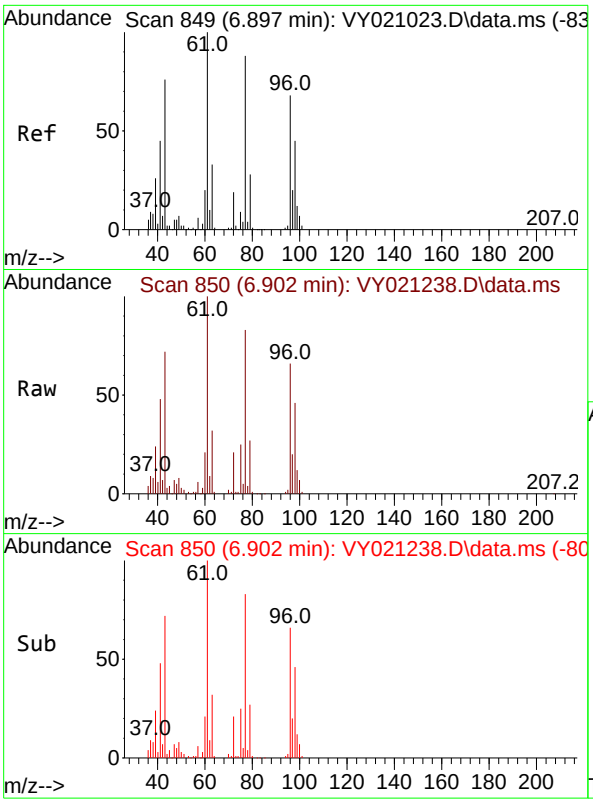




#26
2,2-Dichloropropane
Concen: 23.138 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 77 Resp: 77868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.9 | 11.7 | 35.0 |



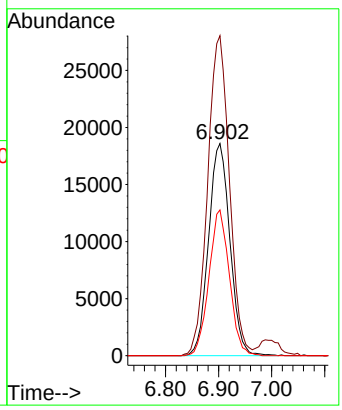


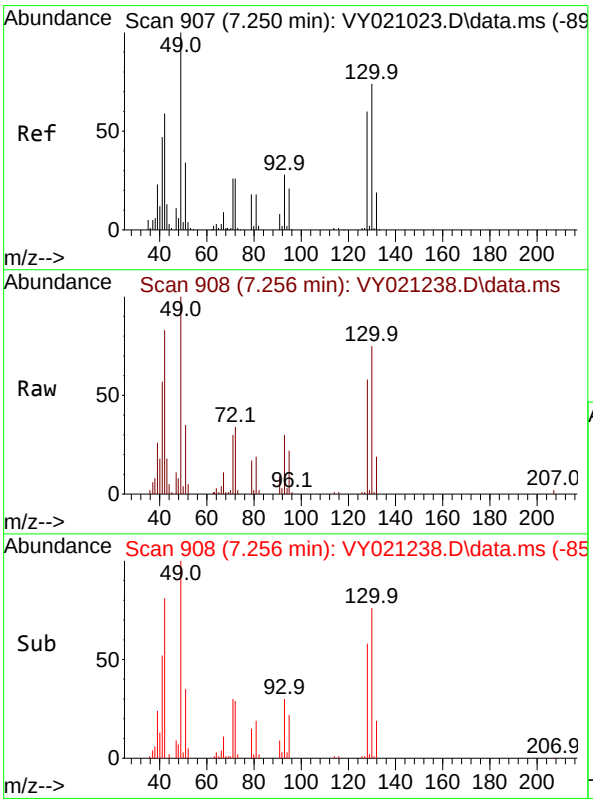

#27
cis-1,2-Dichloroethene
Concen: 22.958 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 96 Resp: 51981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 153.6 | 0.0 | 278.8 |
| 98 | 65.8 | 0.0 | 127.0 |

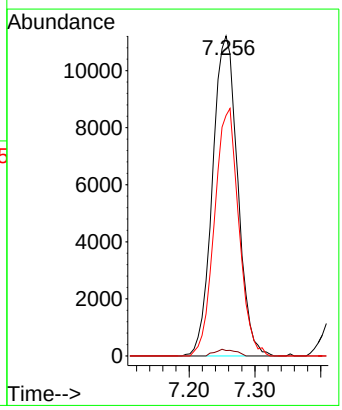


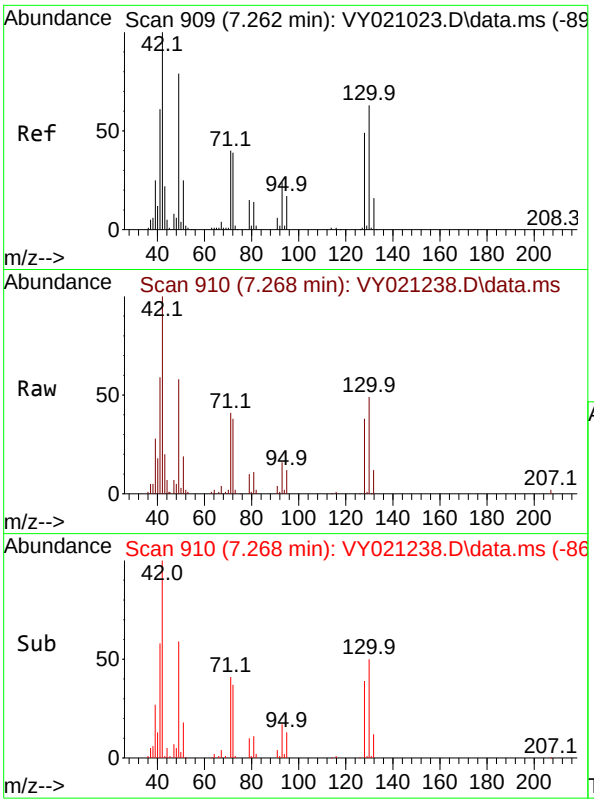




#28
Bromochloromethane
Concen: 20.715 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 49 Resp: 29792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.7 | 0.0 | 3.8 |
| 130 | 74.9 | 59.8 | 89.8 |



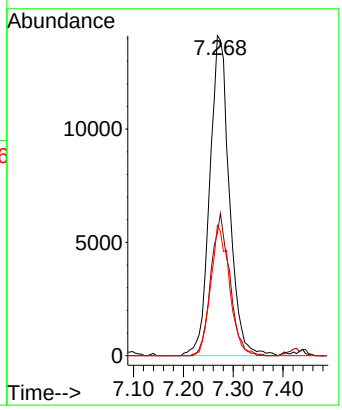


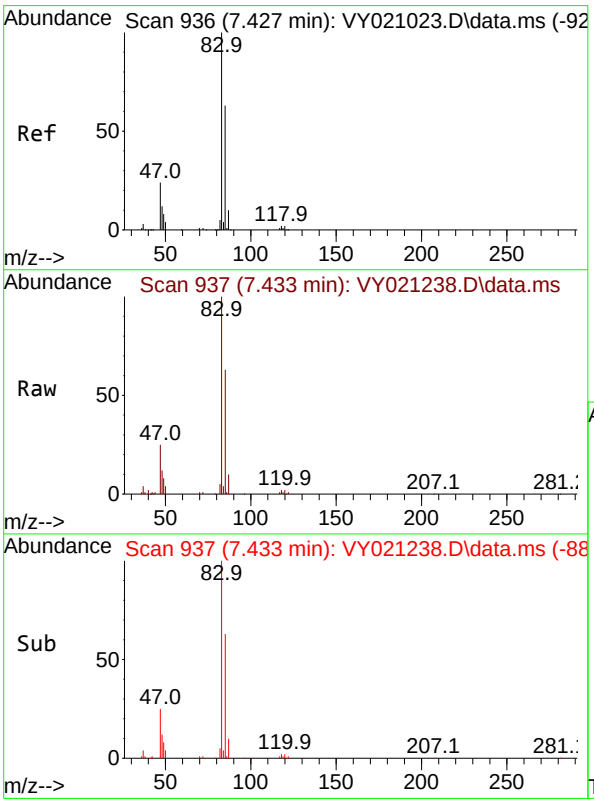

#29
Tetrahydrofuran
Concen: 116.263 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 42 Resp: 38714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.3 | 36.6 | 54.8 |
| 71 | 39.1 | 33.8 | 50.6 |

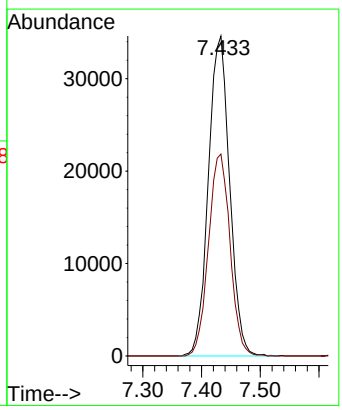


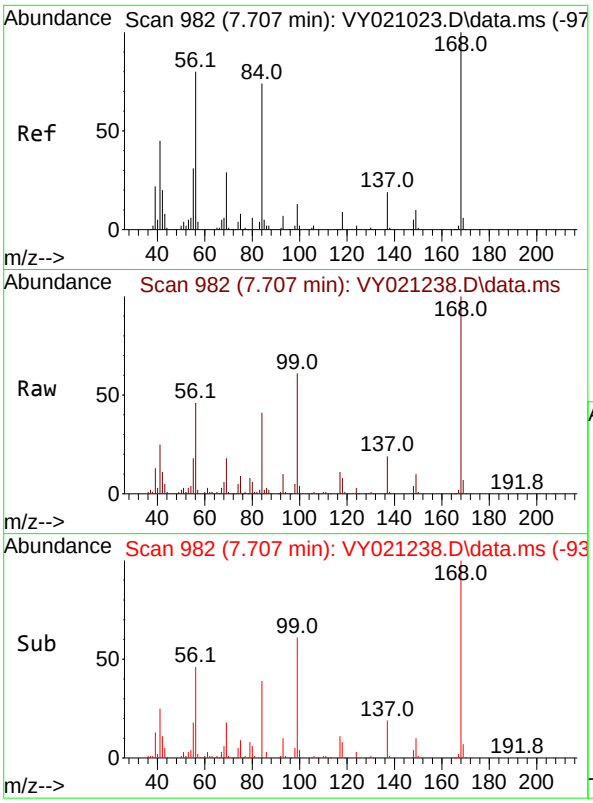




#30
Chloroform
Concen: 23.276 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 83 Resp: 86955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 51.2 | 76.8 |



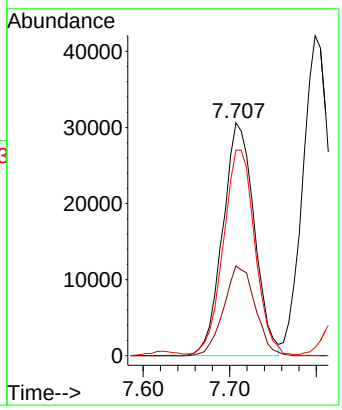


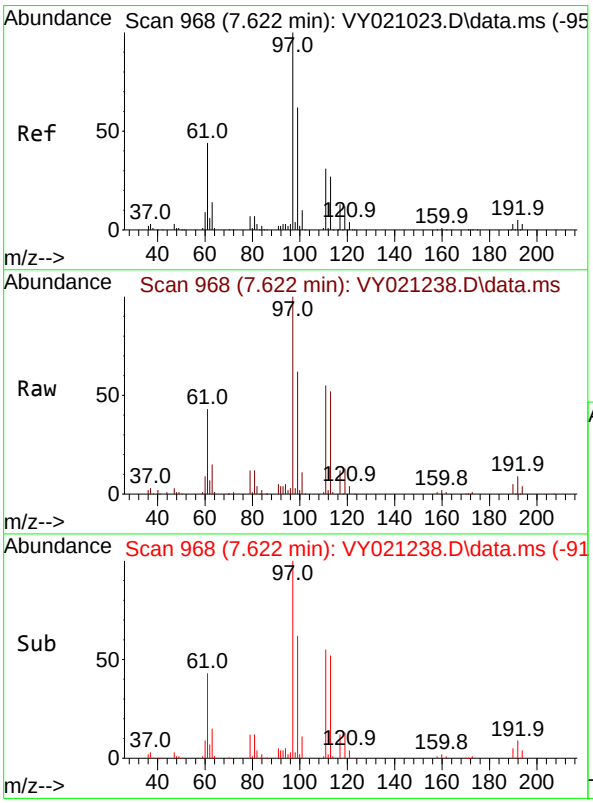

#31
Cyclohexane
Concen: 23.674 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 56 Resp: 77540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 38.5 | 27.0 | 40.6 |
| 84 | 87.2 | 71.8 | 107.6 |

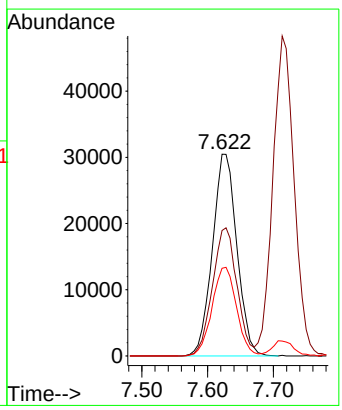


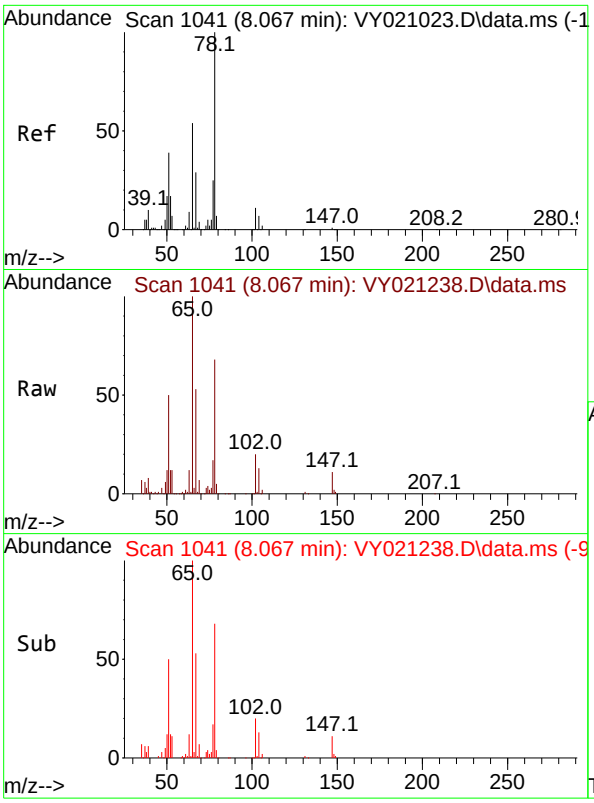




#32
1,1,1-Trichloroethane
Concen: 22.692 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 97 Resp: 78817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 51.2 | 76.8 |
| 61 | 43.9 | 35.0 | 52.6 |



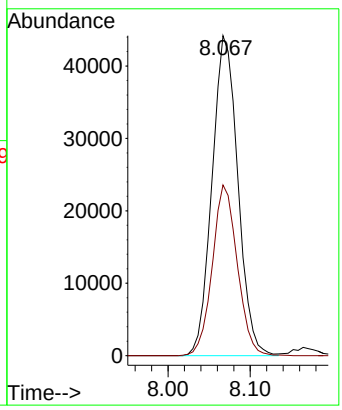


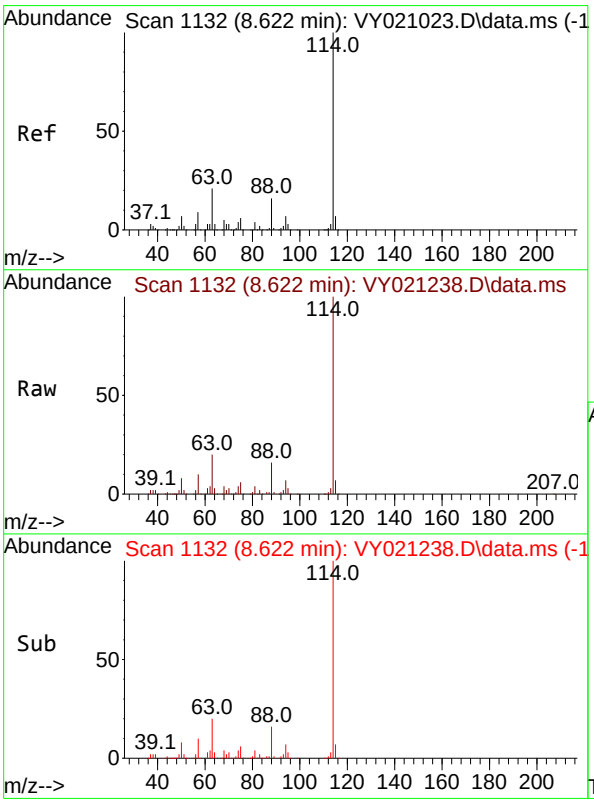

#33
1,2-Dichloroethane-d4
Concen: 50.317 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 65 Resp: 96623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 109.0 |

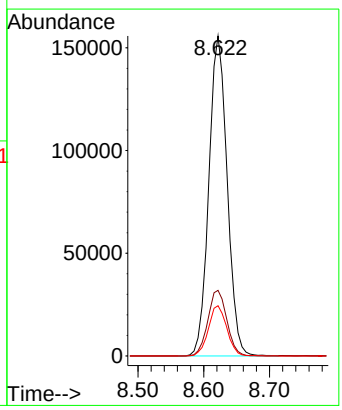


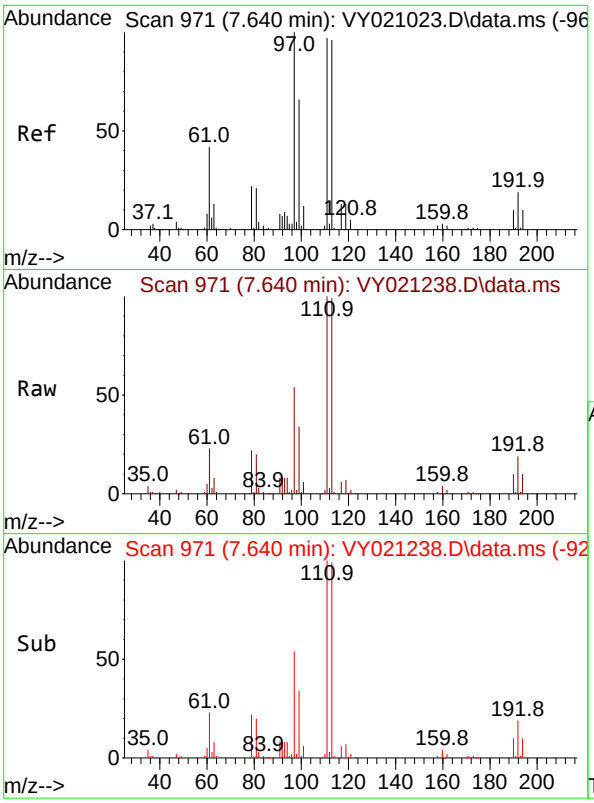




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:114 Resp: 302089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 37.4 |
| 88 | 15.7 | 0.0 | 29.0 |



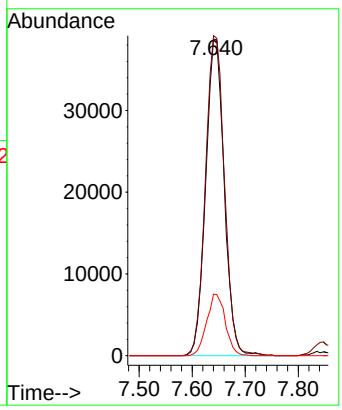


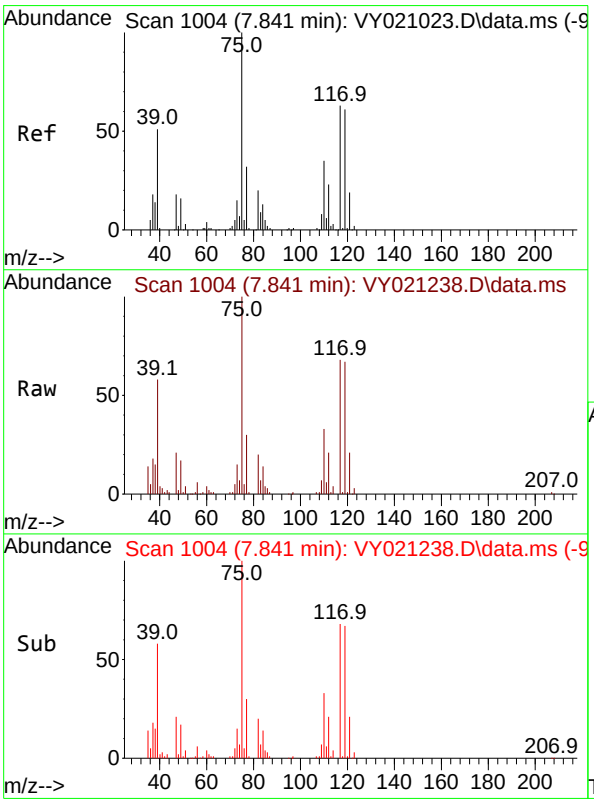

#35
Dibromofluoromethane
Concen: 48.581 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:113 Resp: 94052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 83.8 | 125.6 |
| 192 | 19.5 | 14.5 | 21.7 |

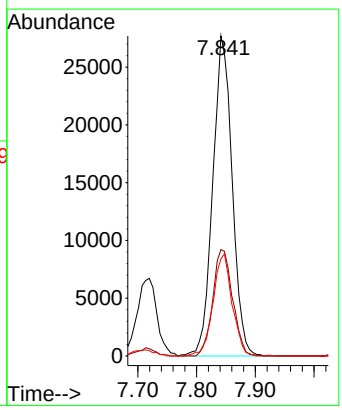


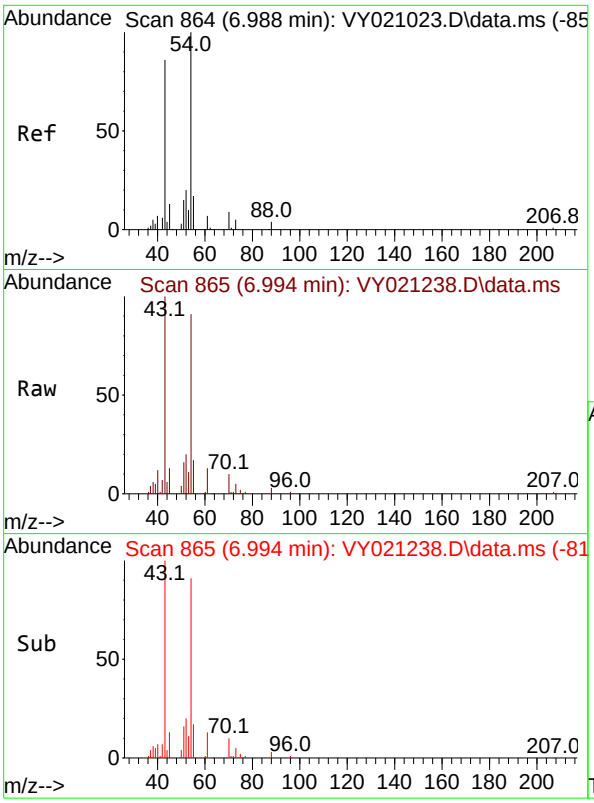




#36
1,1-Dichloropropene
Concen: 22.134 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 63470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 17.4 | 52.3 |
| 77 | 31.4 | 24.7 | 37.1 |



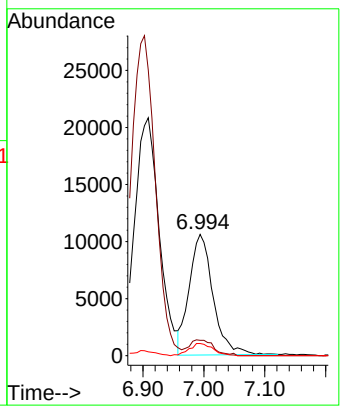


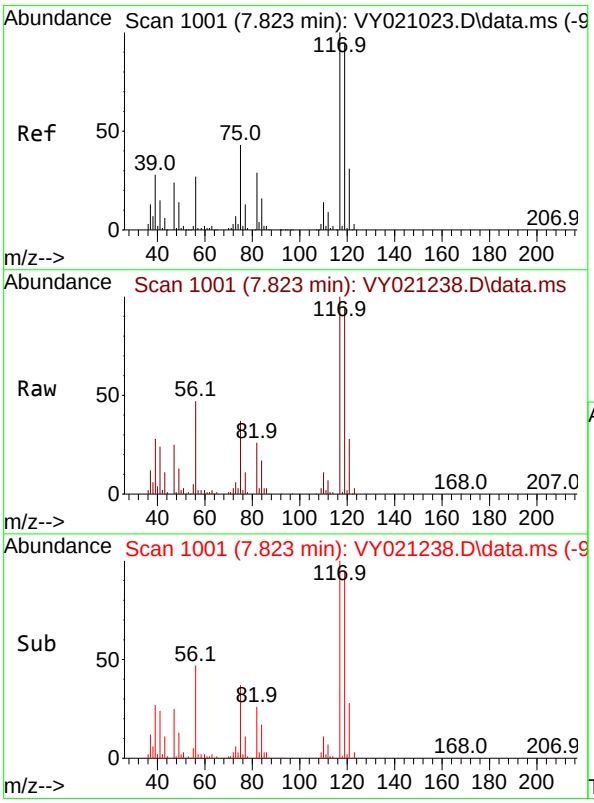

#37
Ethyl Acetate
Concen: 22.858 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 43 Resp: 28755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 11.0 | 16.6 |
| 70 | 10.1 | 8.1 | 12.1 |

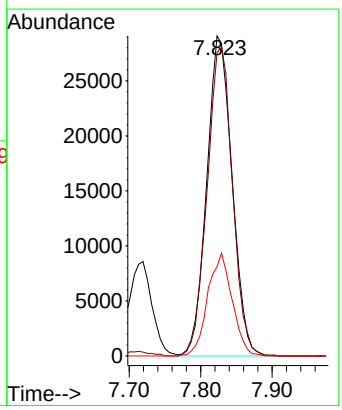


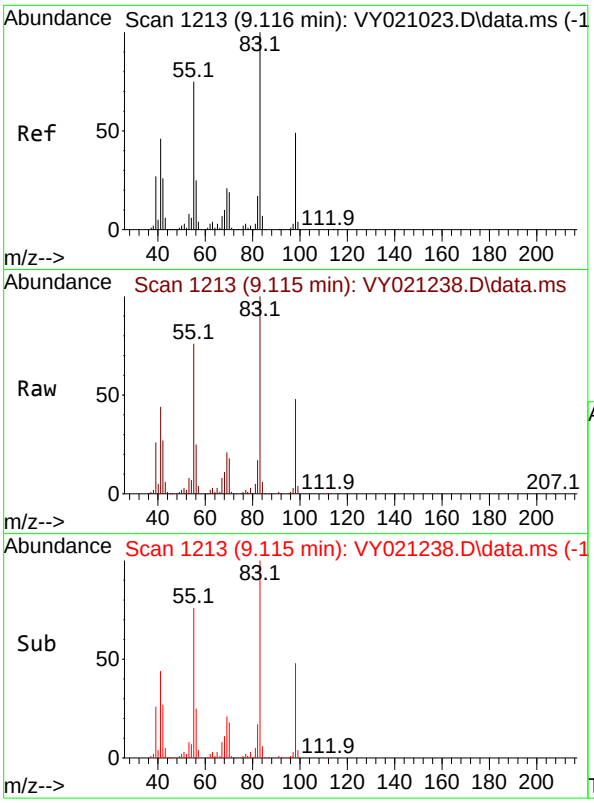




#38
Carbon Tetrachloride
Concen: 21.393 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:117 Resp: 71680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.9 | 76.0 | 114.0 |
| 121 | 27.9 | 24.2 | 36.2 |



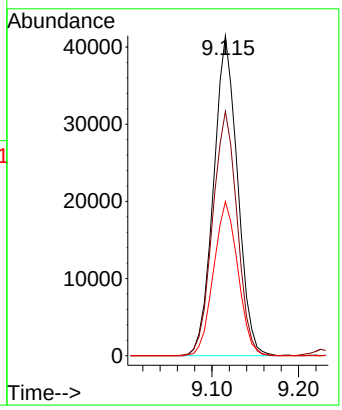


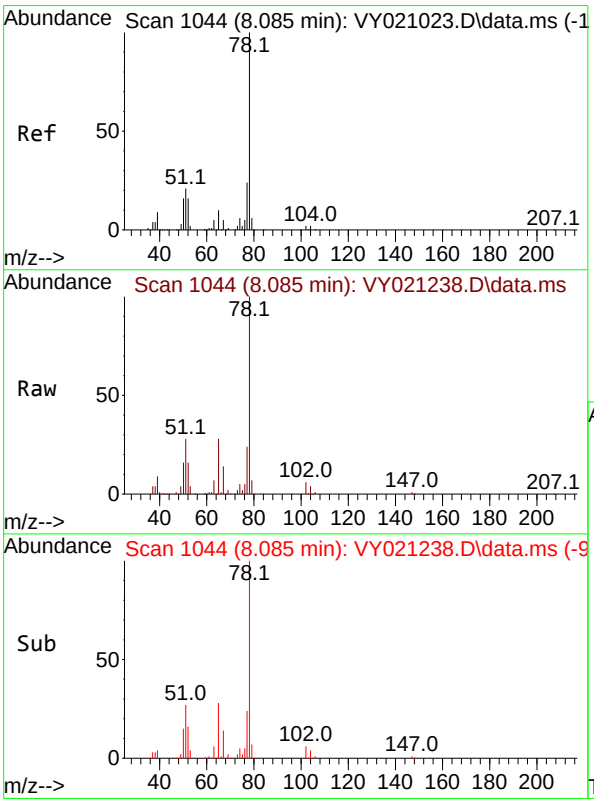

#39
Methylcyclohexane
Concen: 22.720 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 83 Resp: 79691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.4 | 59.7 | 89.5 |
| 98 | 48.2 | 38.0 | 57.0 |

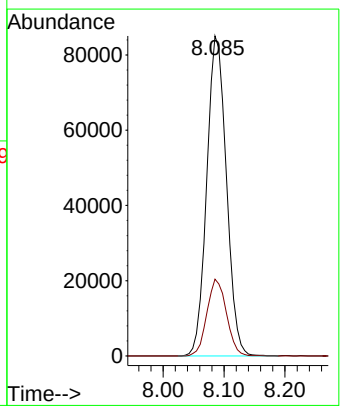


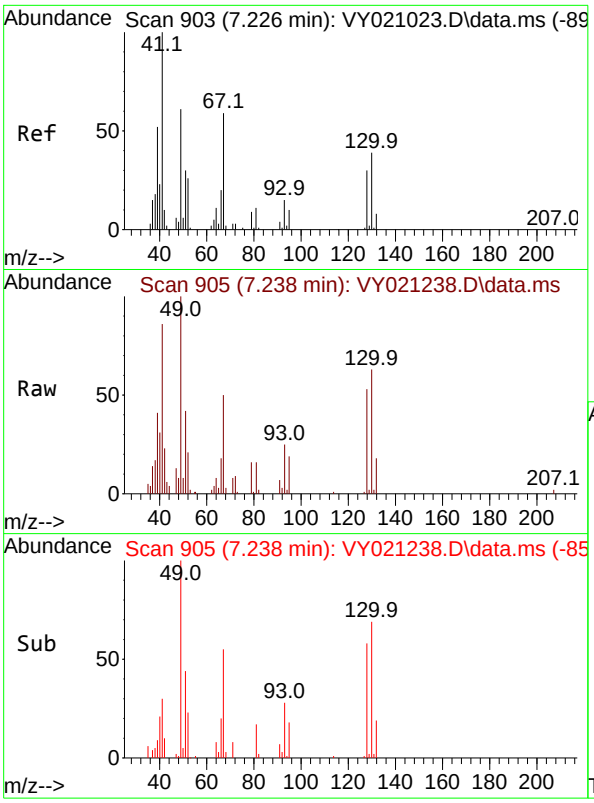




#40
Benzene
Concen: 22.643 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 78 Resp: 190547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 18.8 | 28.2 |



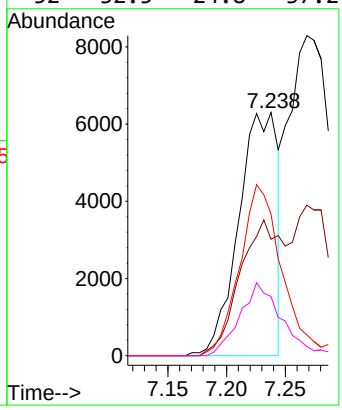


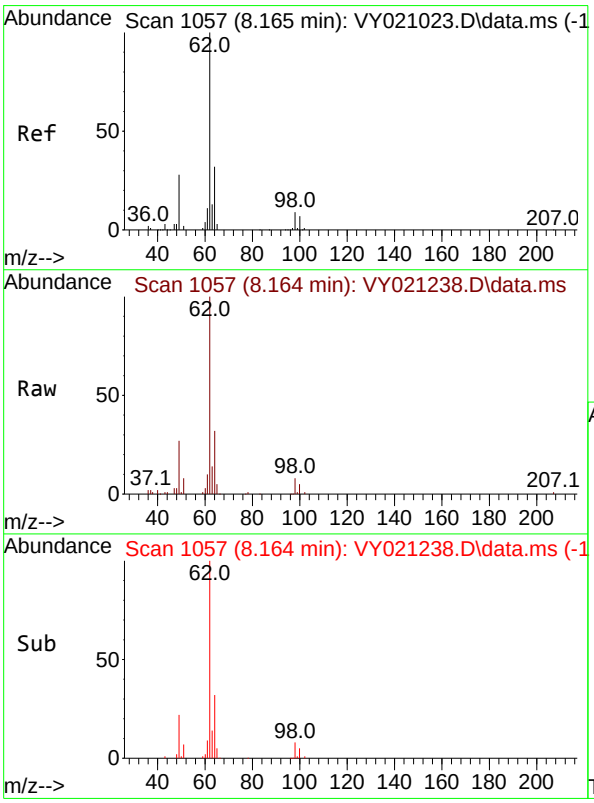

#41
Methacrylonitrile
Concen: 20.111 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 41 Resp: 14636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.7 | 41.9 | 62.9 |
| 67 | 76.1 | 59.8 | 89.6 |
| 52 | 32.5 | 24.8 | 37.2 |

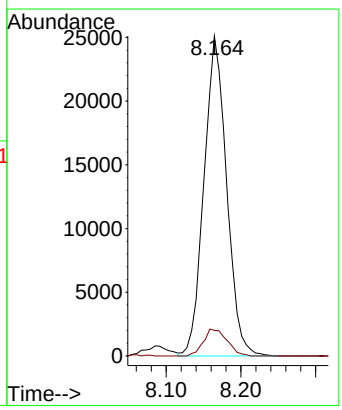


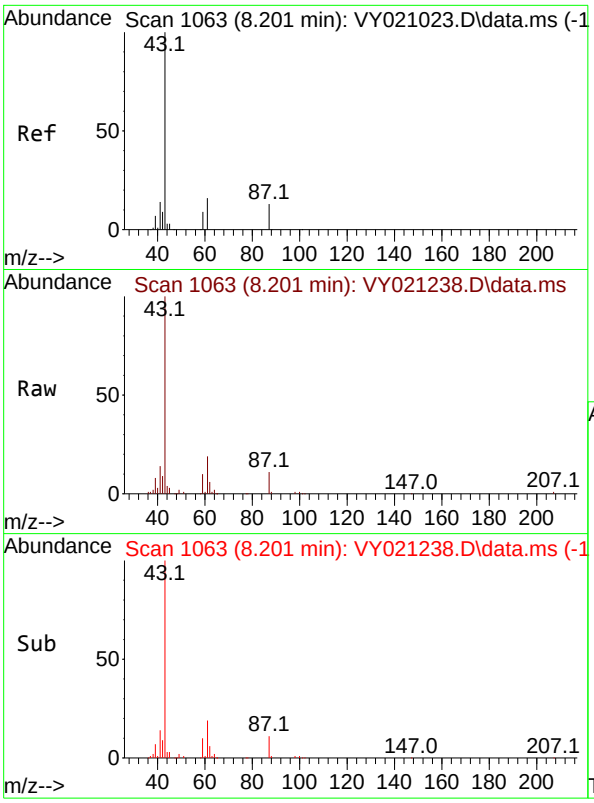




#42
1,2-Dichloroethane
Concen: 22.655 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 62 Resp: 52885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 20.2 |



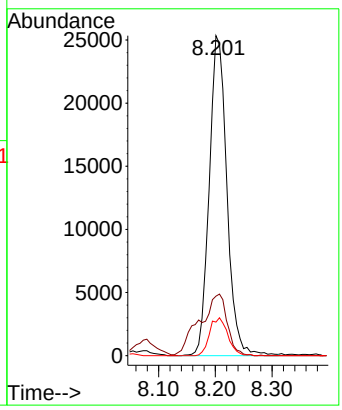


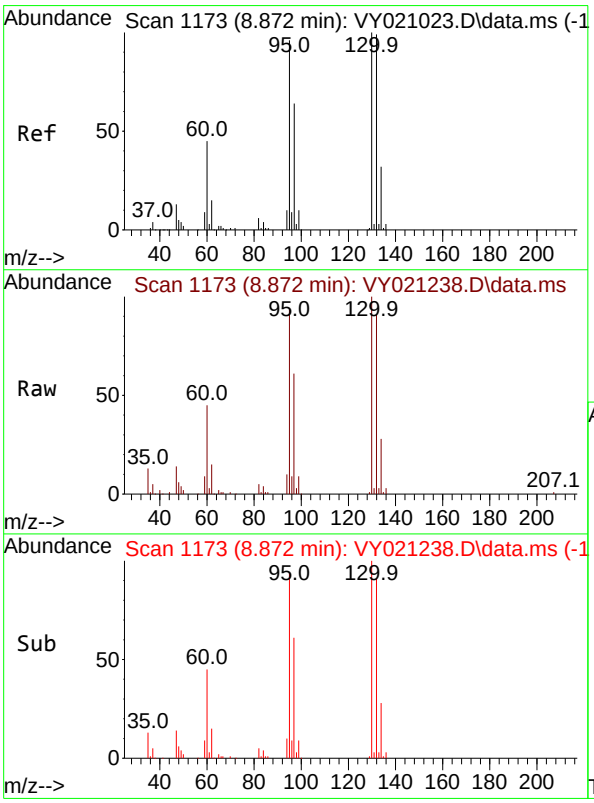

#43
Isopropyl Acetate
Concen: 21.942 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 43 Resp: 54845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 30.0 | 24.8 | 37.2 |
| 87 | 12.3 | 10.7 | 16.1 |

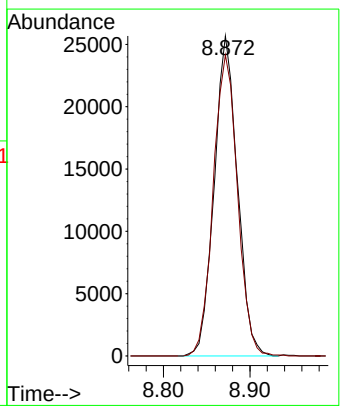


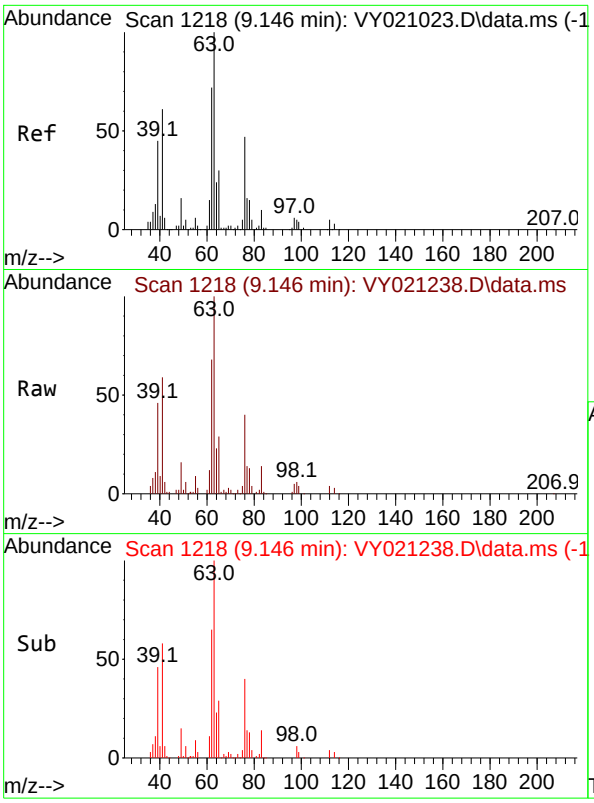




#44
Trichloroethene
Concen: 22.024 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:130 Resp: 47883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.0 | 0.0 | 203.8 |



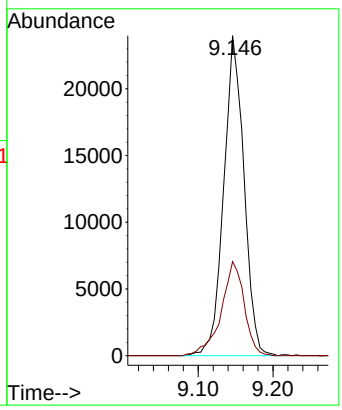


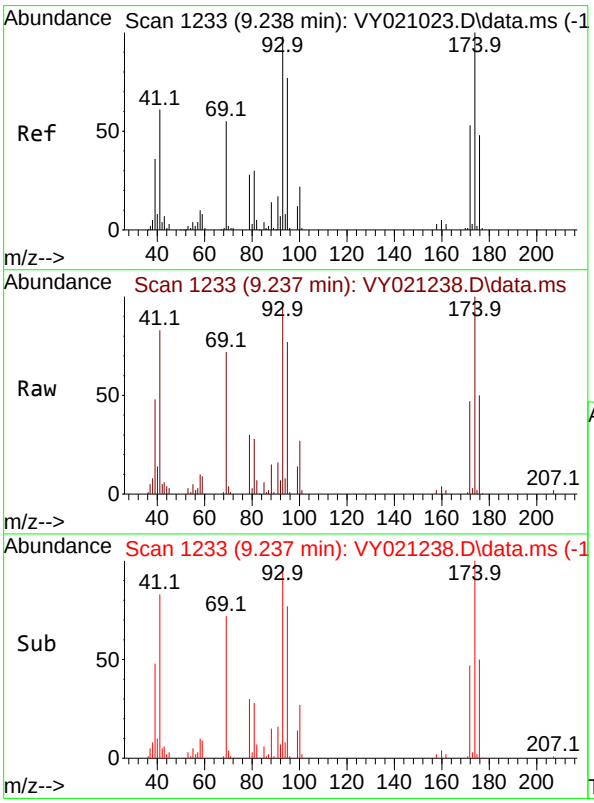

#45
1,2-Dichloropropane
Concen: 22.642 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 63 Resp: 45225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.4 | 24.6 | 36.8 |

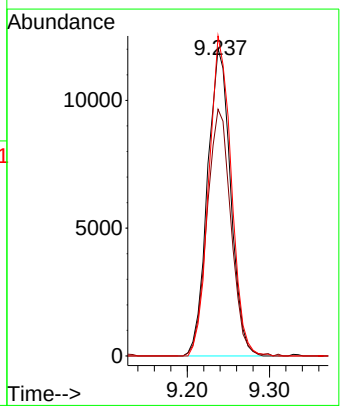


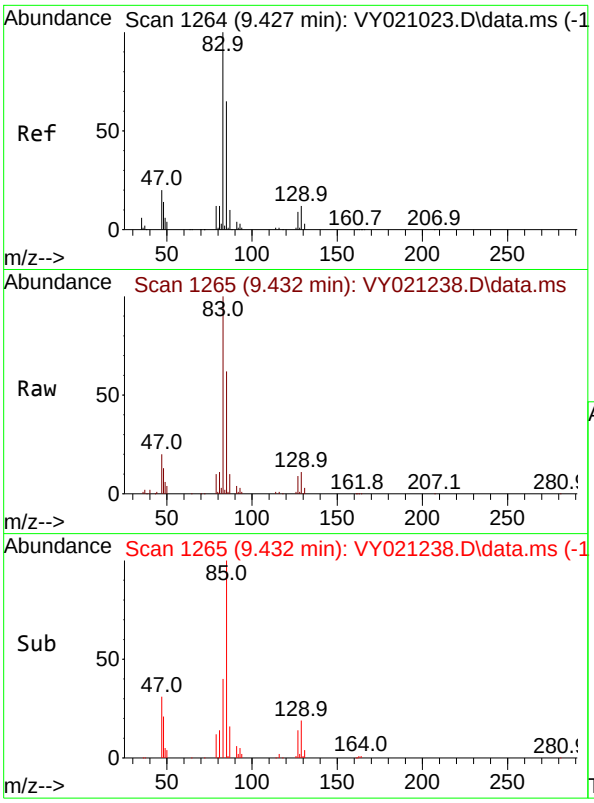




#46
Dibromomethane
Concen: 21.227 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 93 Resp: 23475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.6 | 66.6 | 99.8 |
| 174 | 100.8 | 73.8 | 110.6 |



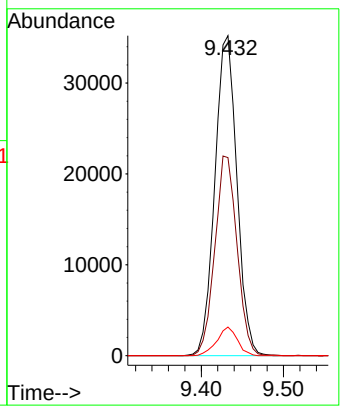


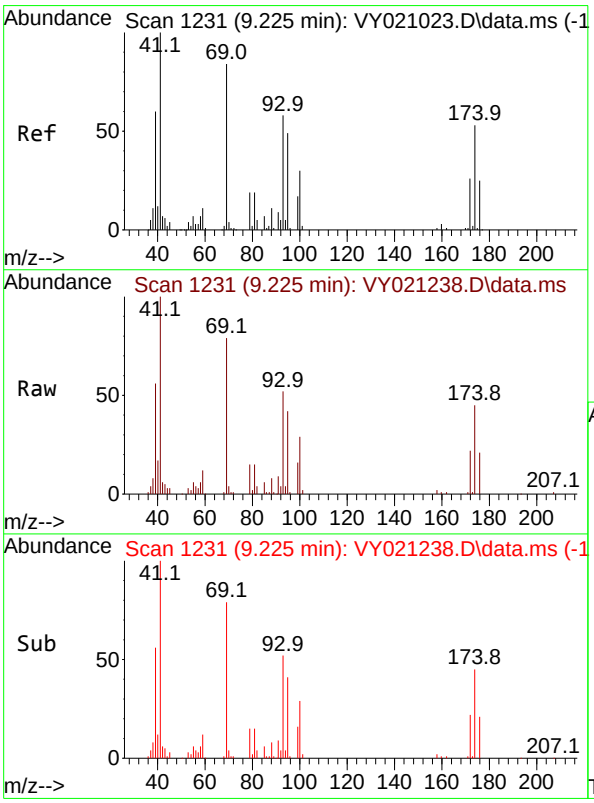

#47
Bromodichloromethane
Concen: 22.139 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 83 Resp: 65662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.9 | 53.2 | 79.8 |
| 127 | 9.0 | 6.4 | 9.6 |

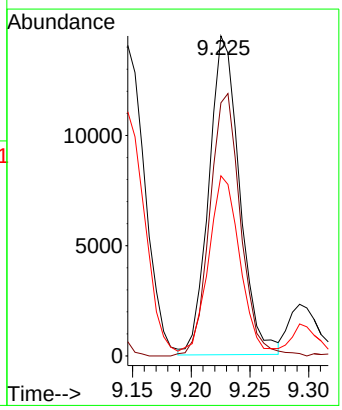


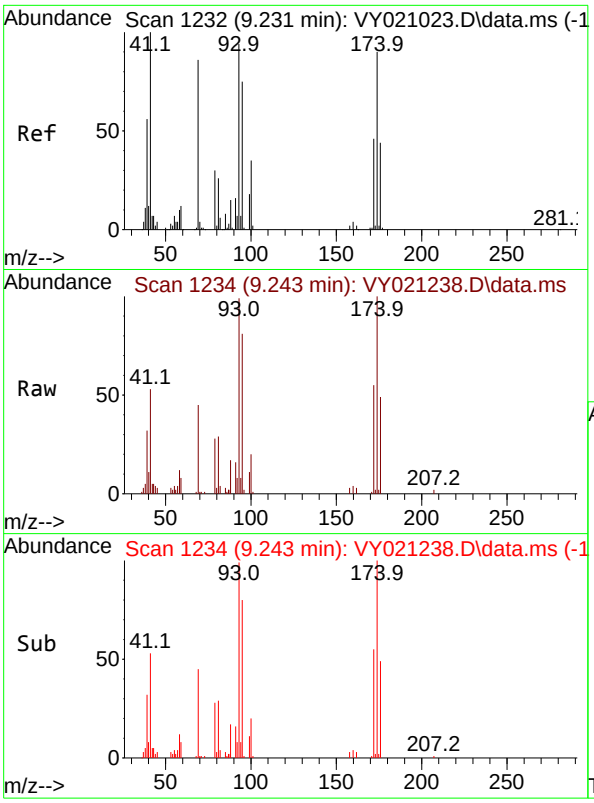




#48
Methyl methacrylate
Concen: 23.131 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 41 Resp: 26336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.3 | 72.1 | 108.1 |
| 39 | 55.1 | 42.8 | 64.2 |



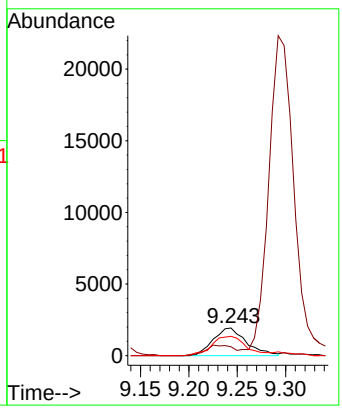


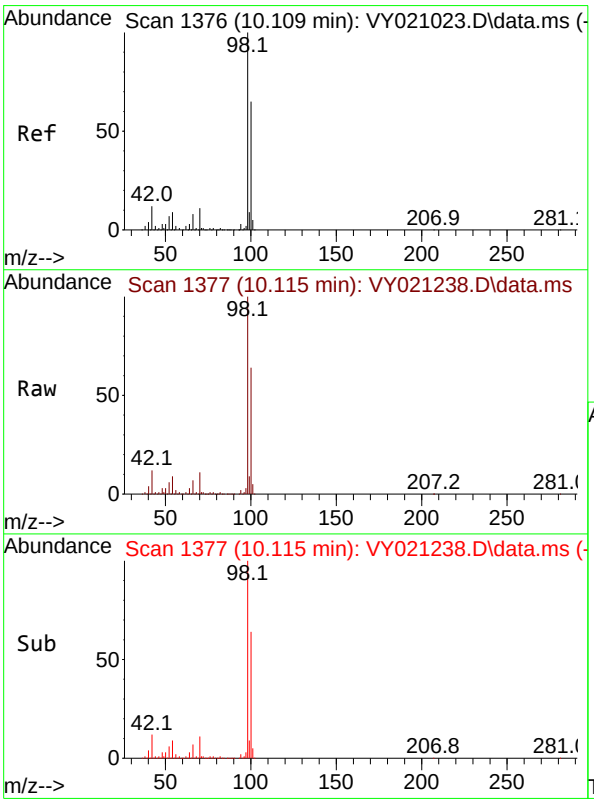

#49
1,4-Dioxane
Concen: 448.469 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 88 Resp: 4617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.0 | 28.2 | 42.4 |
| 58 | 73.0 | 52.2 | 78.2 |

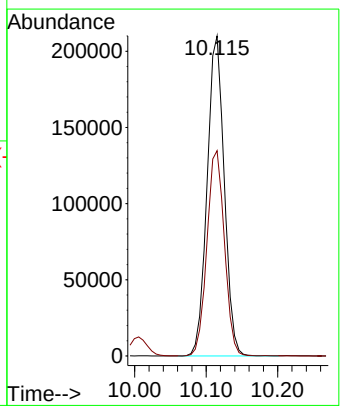


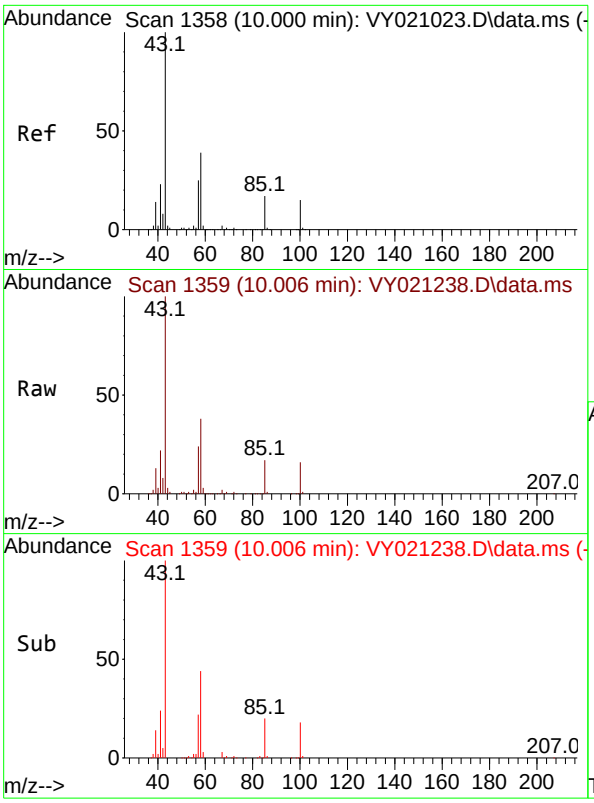




#50
Toluene-d8
Concen: 47.329 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 98 Resp: 348838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 52.3 | 78.5 |



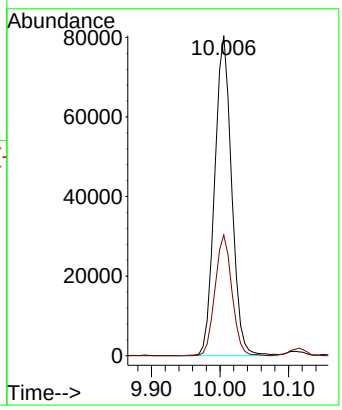


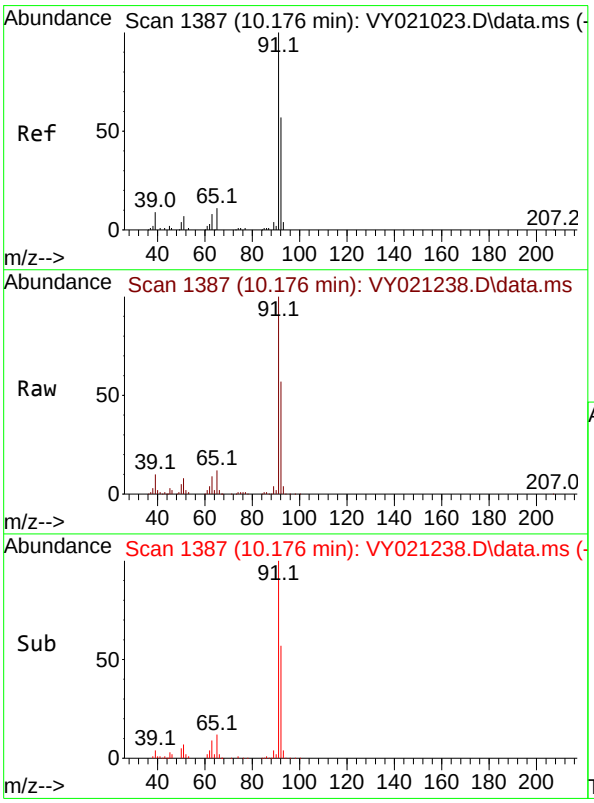

#51
4-Methyl-2-Pentanone
Concen: 110.039 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 43 Resp: 138316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 32.2 | 48.2 |

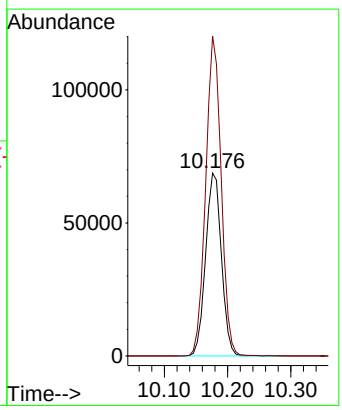


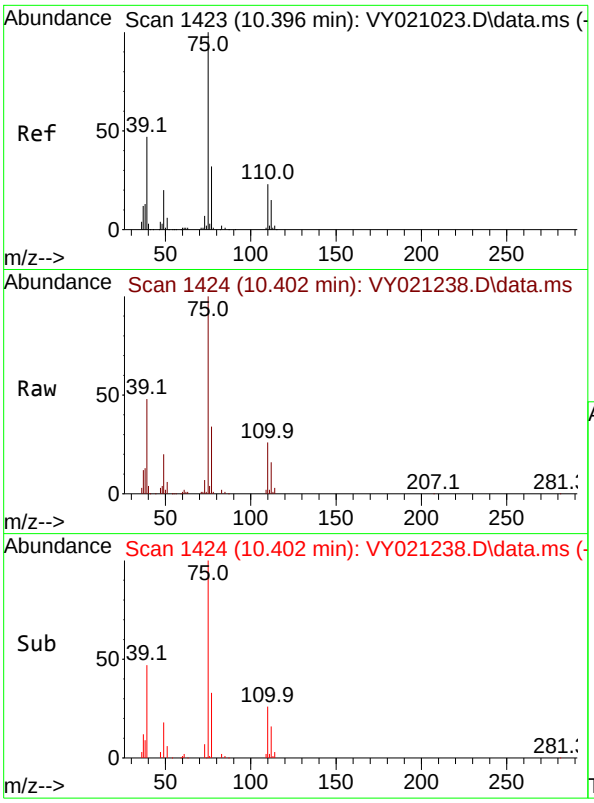




#52
Toluene
Concen: 22.606 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 92 Resp: 119448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.1 | 137.6 | 206.4 |



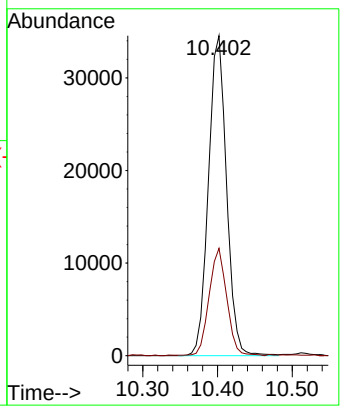


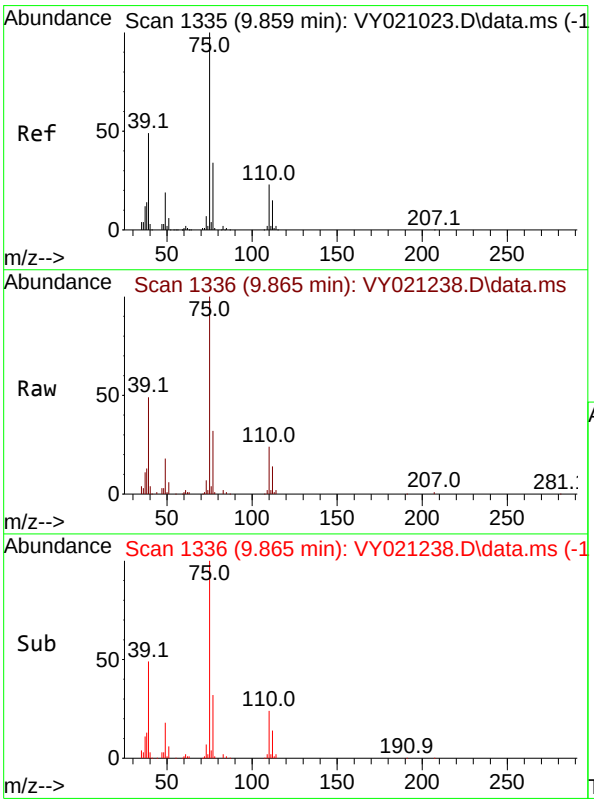

#53
t-1,3-Dichloropropene
Concen: 21.872 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 75 Resp: 58250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.4 | 24.6 | 36.8 |

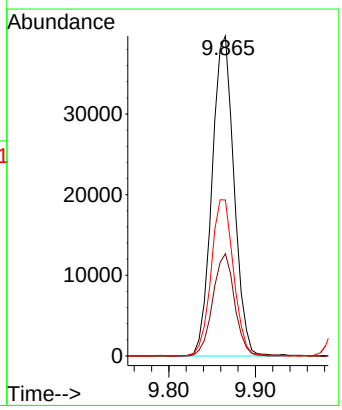


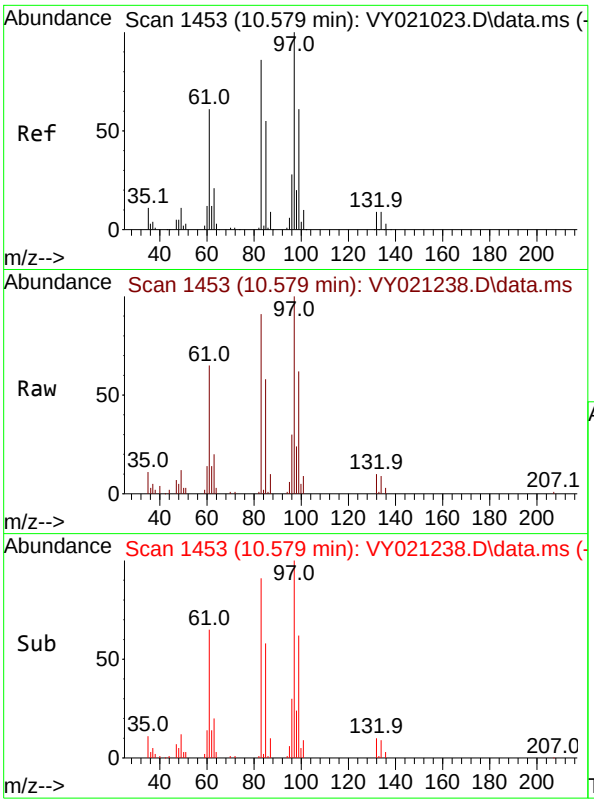




#54
cis-1,3-Dichloropropene
Concen: 22.186 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 69958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 24.6 | 36.8 |
| 39 | 48.8 | 33.6 | 50.4 |



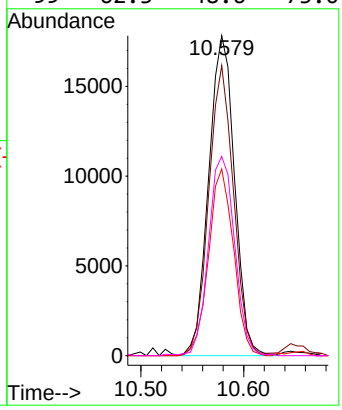


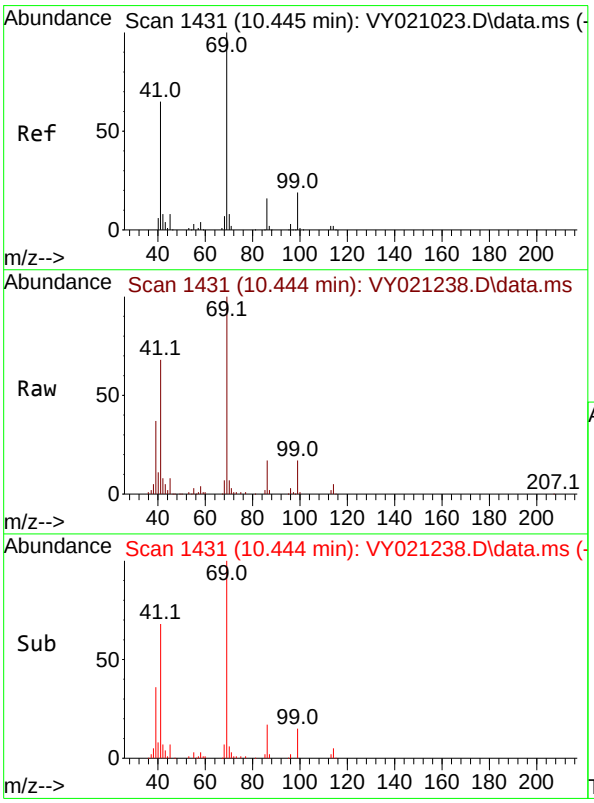

#55
1,1,2-Trichloroethane
Concen: 21.745 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 97 Resp: 31141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.7 | 69.4 | 104.2 |
| 85 | 58.4 | 43.9 | 65.9 |
| 99 | 62.3 | 48.6 | 73.0 |

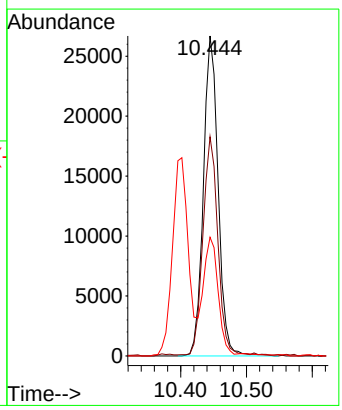


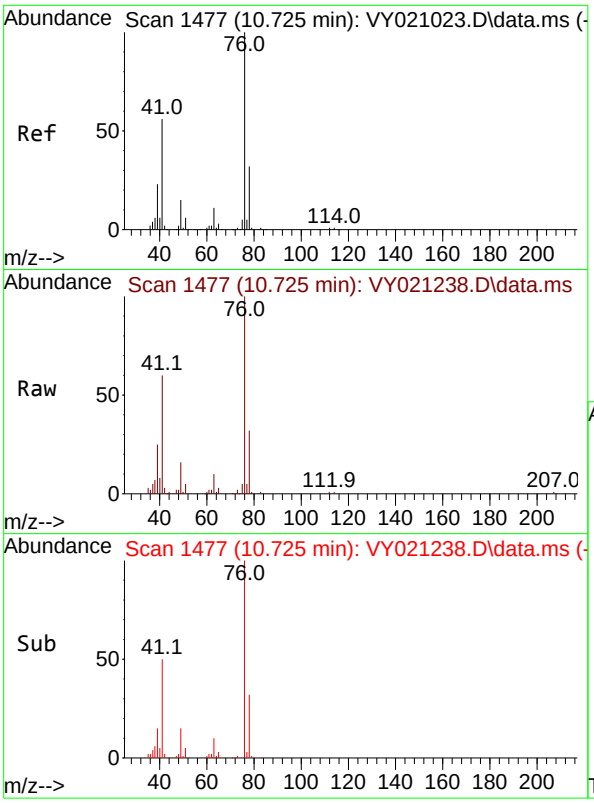




#56
Ethyl methacrylate
Concen: 21.735 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 69 Resp: 41640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.4 | 49.2 | 73.8 |
| 39 | 35.3 | 26.8 | 40.2 |



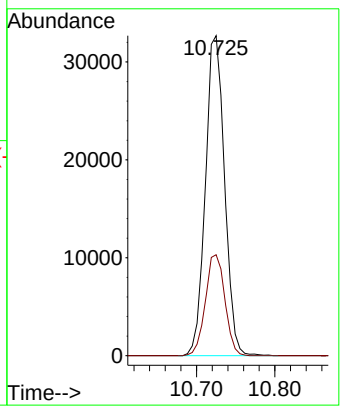


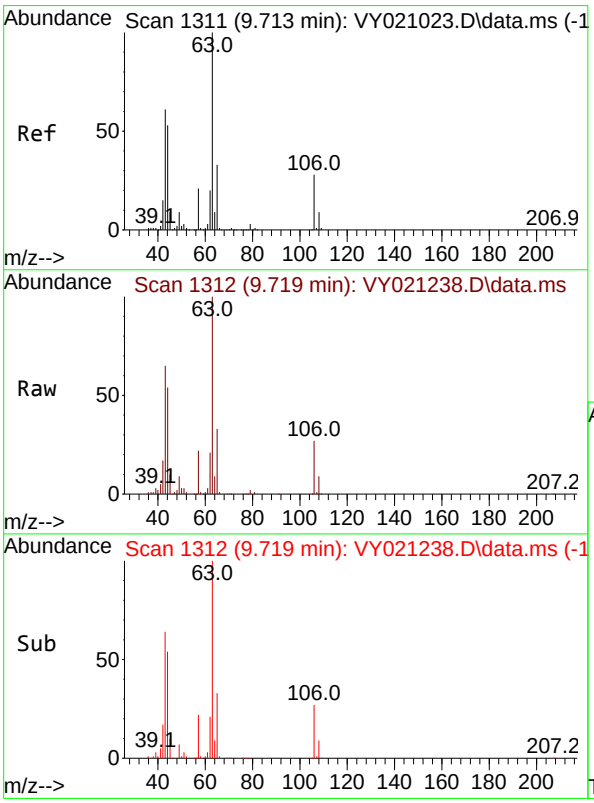

#57
1,3-Dichloropropane
Concen: 22.367 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 76 Resp: 55442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 26.1 | 39.1 |

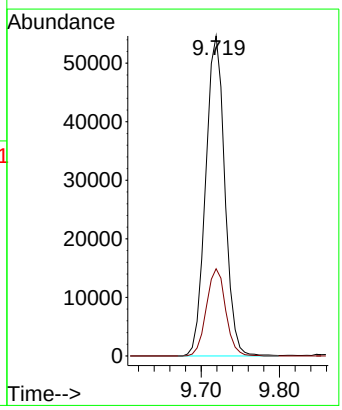


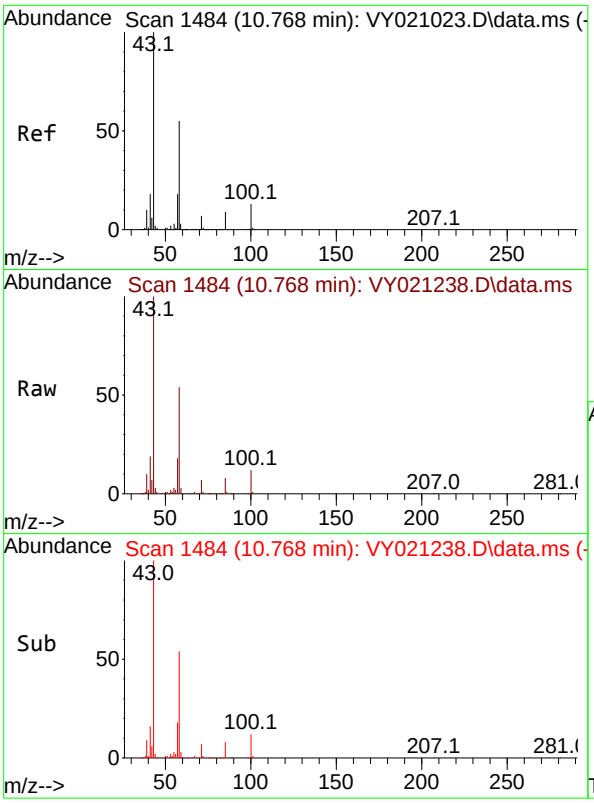




#58
2-Chloroethyl Vinyl ether
Concen: 101.594 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 63 Resp: 92595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.4 | 22.4 | 33.6 |



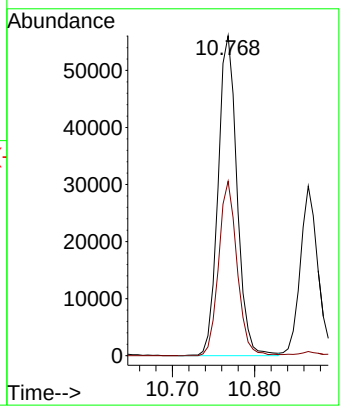


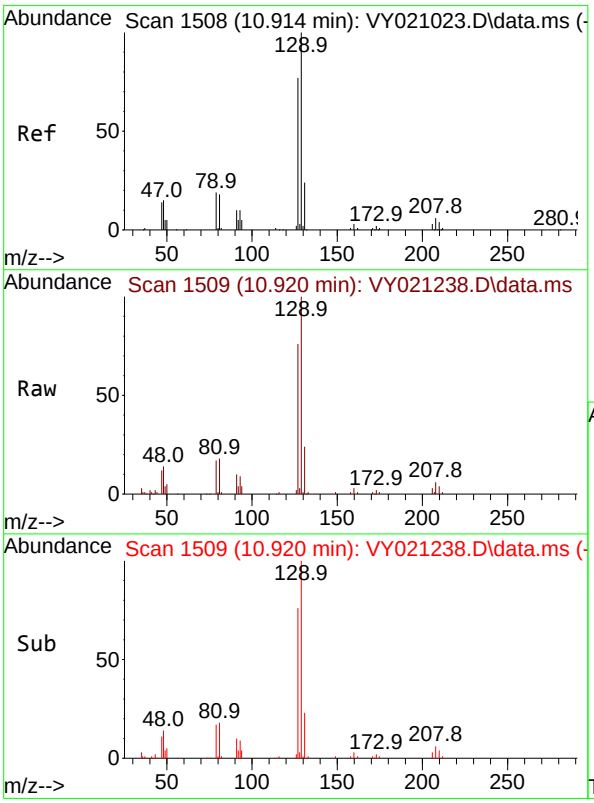

#59
2-Hexanone
Concen: 110.855 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 43 Resp: 89716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.2 | 28.1 | 84.3 |

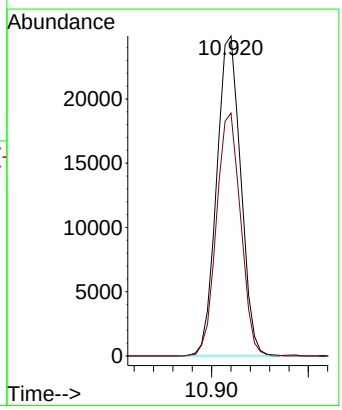


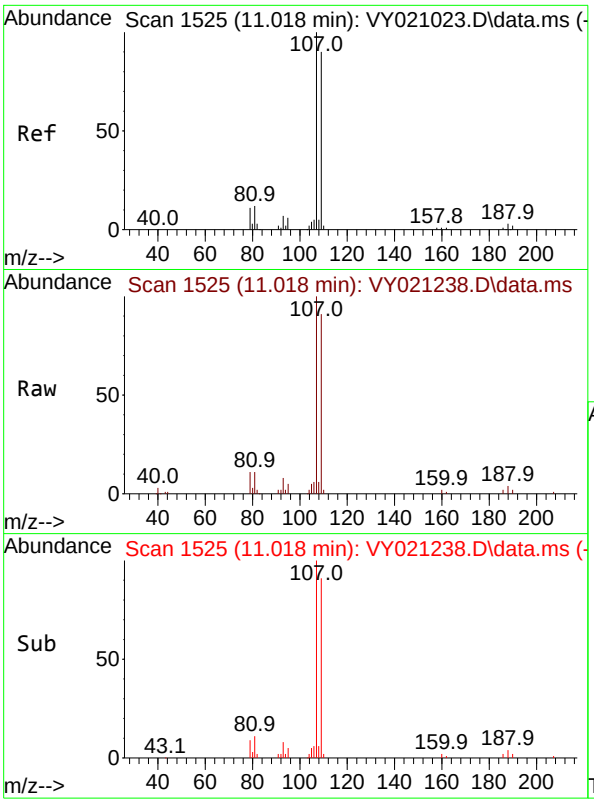




#60
Dibromochloromethane
Concen: 21.410 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:129 Resp: 43058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.2 | 39.2 | 117.6 |



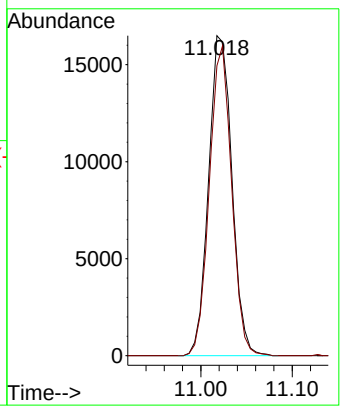


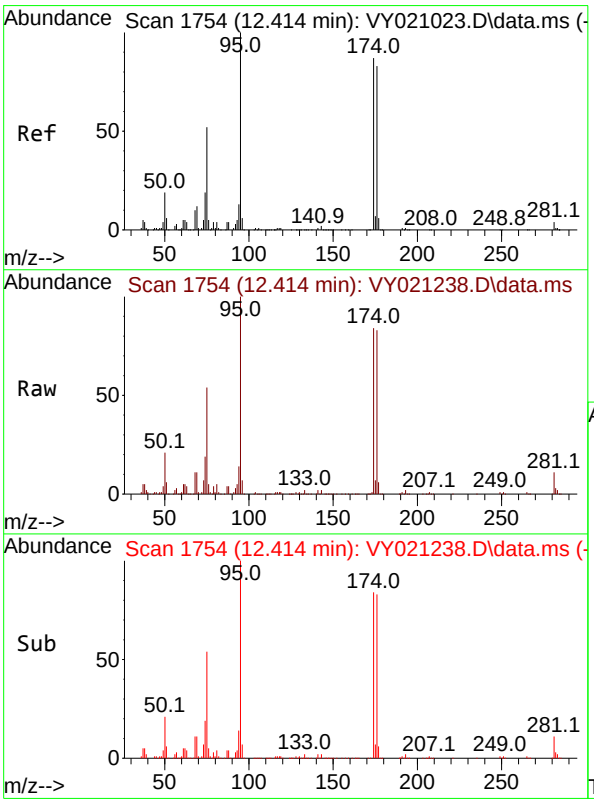

#61
1,2-Dibromoethane
Concen: 21.771 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:107 Resp: 29203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.3 | 75.4 | 113.2 |

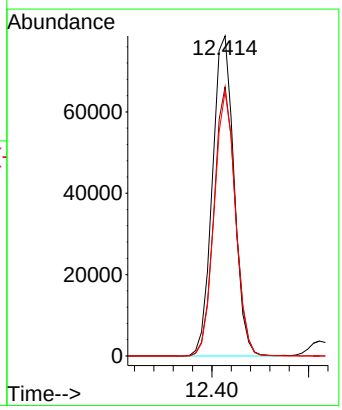


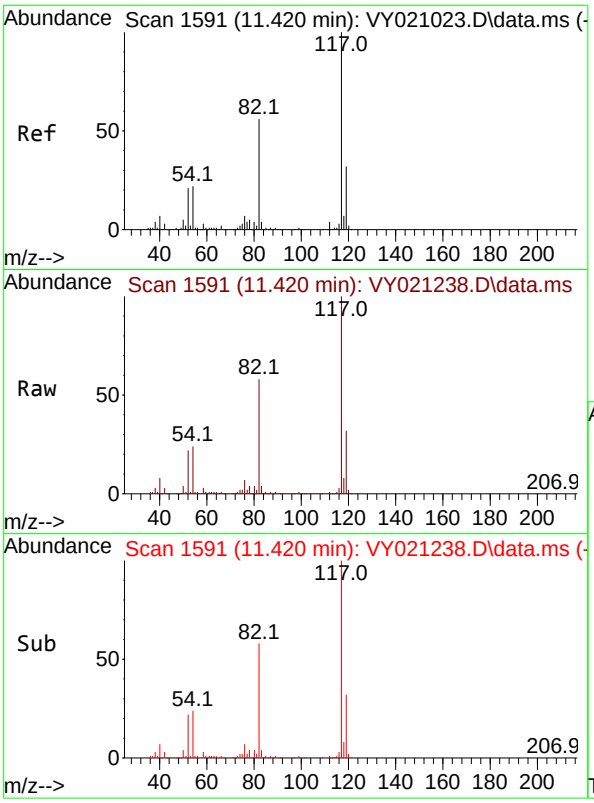




#62
4-Bromofluorobenzene
Concen: 50.660 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 95 Resp: 121983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.0 | 0.0 | 160.0 |
| 176 | 81.1 | 0.0 | 151.8 |



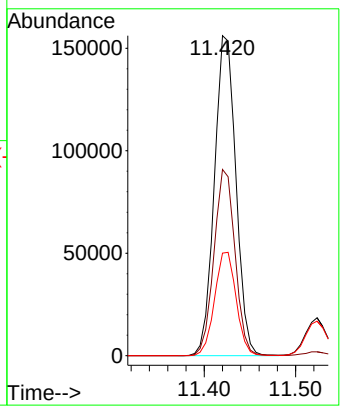


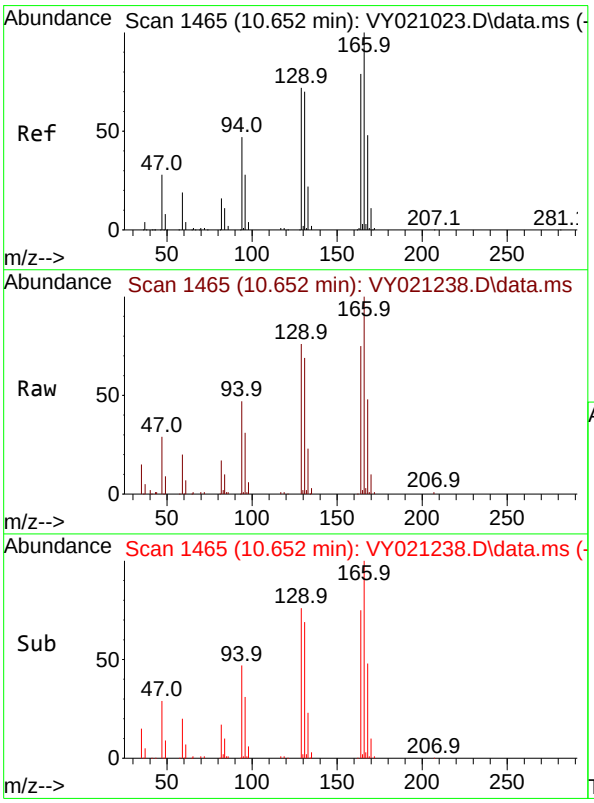

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:117 Resp: 255752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.2 | 43.8 | 65.8 |
| 119 | 32.1 | 26.5 | 39.7 |

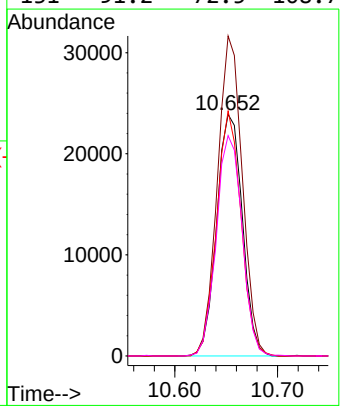


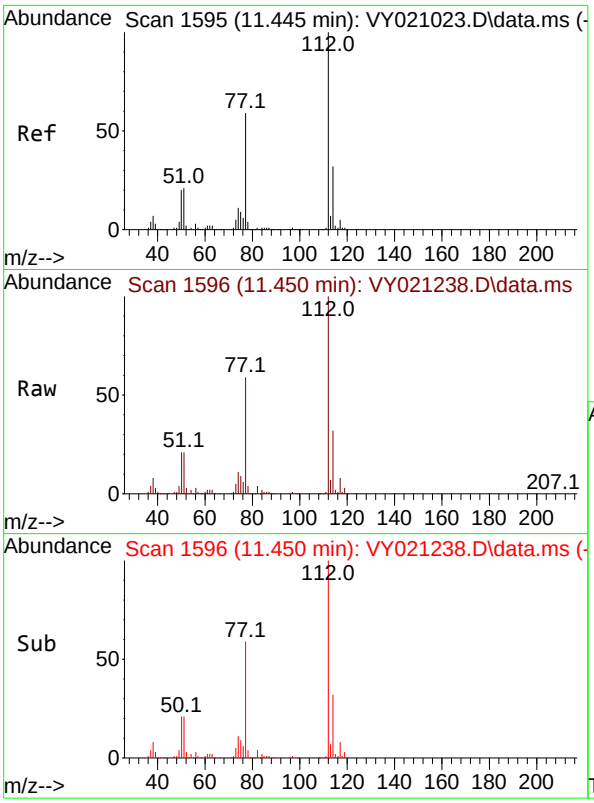




#64
Tetrachloroethene
Concen: 21.781 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:164 Resp: 41352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.5 | 98.8 | 148.2 |
| 129 | 101.3 | 78.9 | 118.3 |
| 131 | 91.2 | 72.5 | 108.7 |



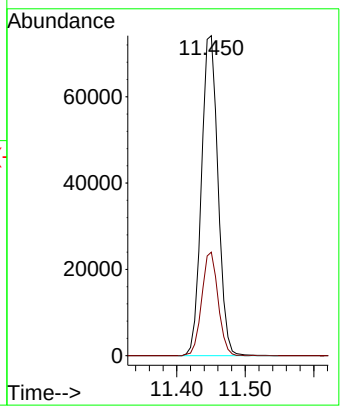


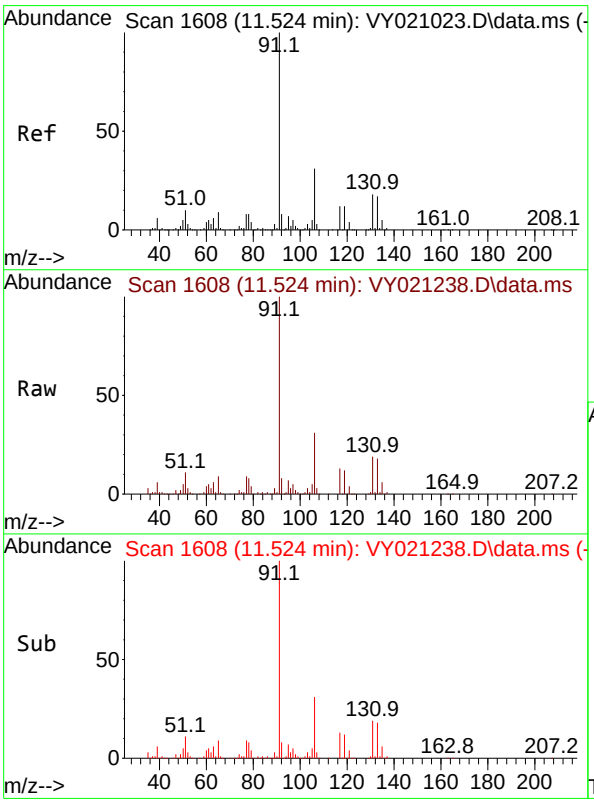

#65
Chlorobenzene
Concen: 21.900 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:112 Resp: 124714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 26.1 | 39.1 |

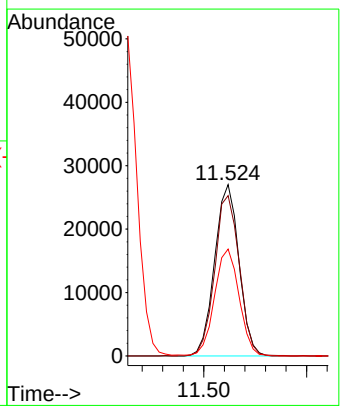


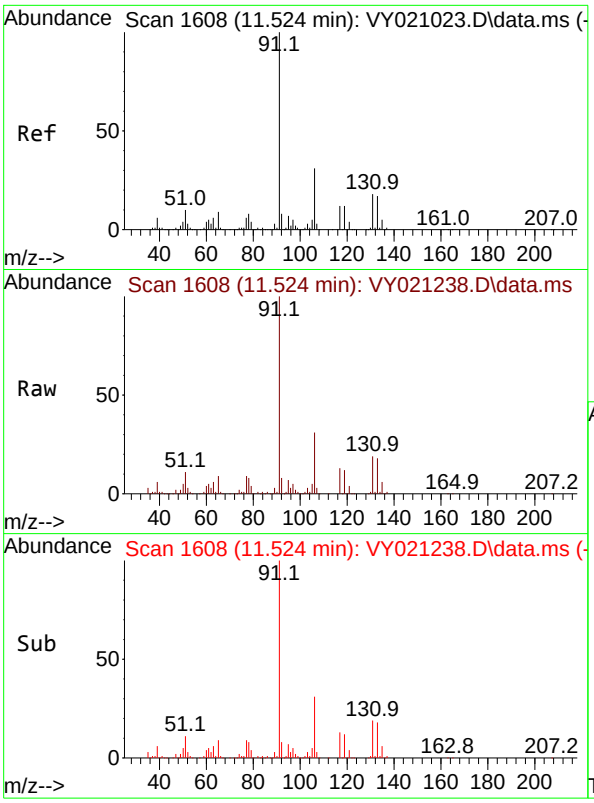




#66
1,1,1,2-Tetrachloroethane
Concen: 21.924 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:131 Resp: 44369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.0 | 141.0 |
| 119 | 63.1 | 33.3 | 99.9 |



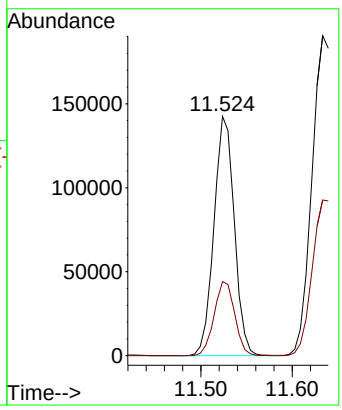


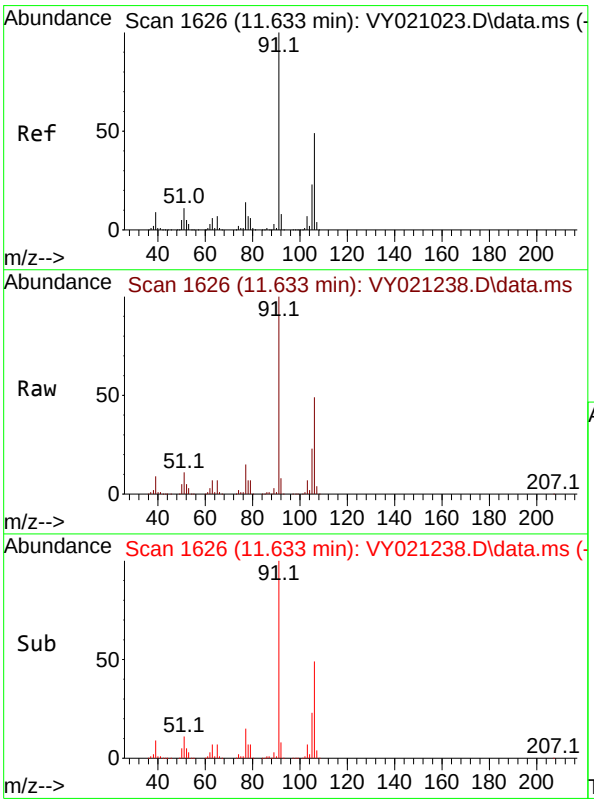

#67
Ethyl Benzene
Concen: 21.940 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 91 Resp: 220992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 25.0 | 37.4 |

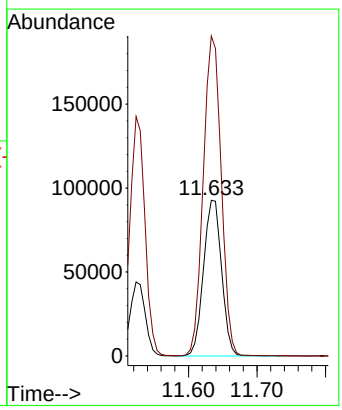


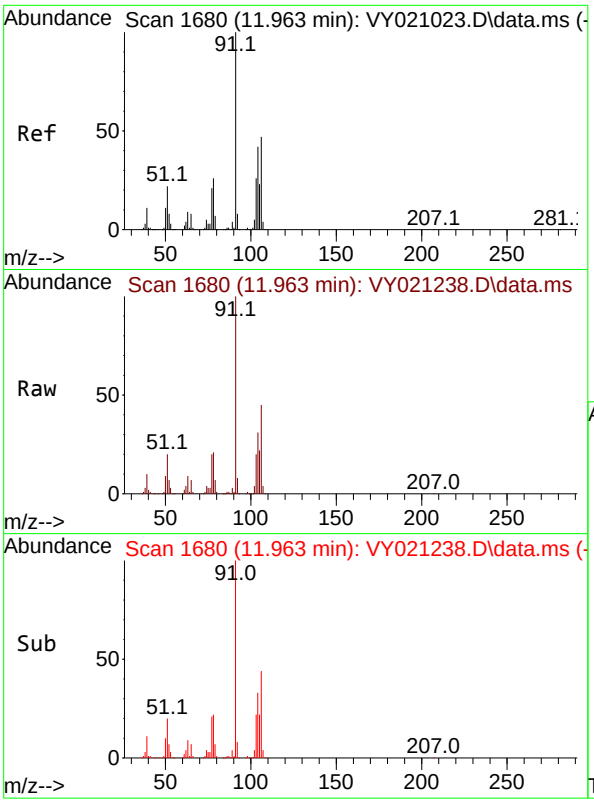




#68
m/p-Xylenes
Concen: 45.133 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:106 Resp: 170065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.2 | 160.7 | 241.1 |



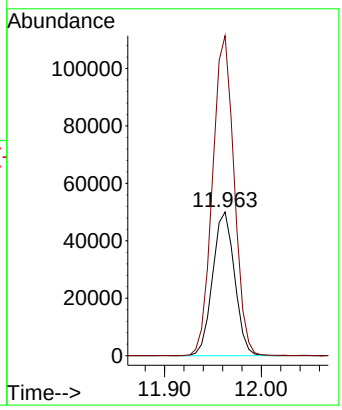


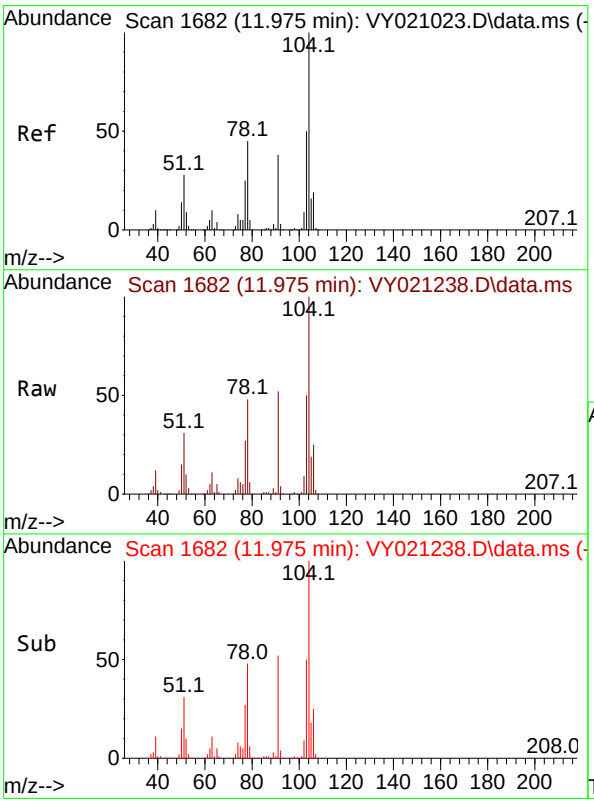

#69
o-Xylene
Concen: 22.395 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:106 Resp: 78675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.9 | 106.5 | 319.5 |

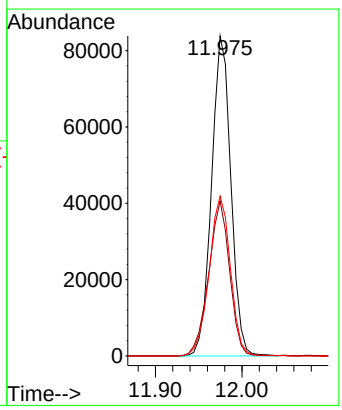


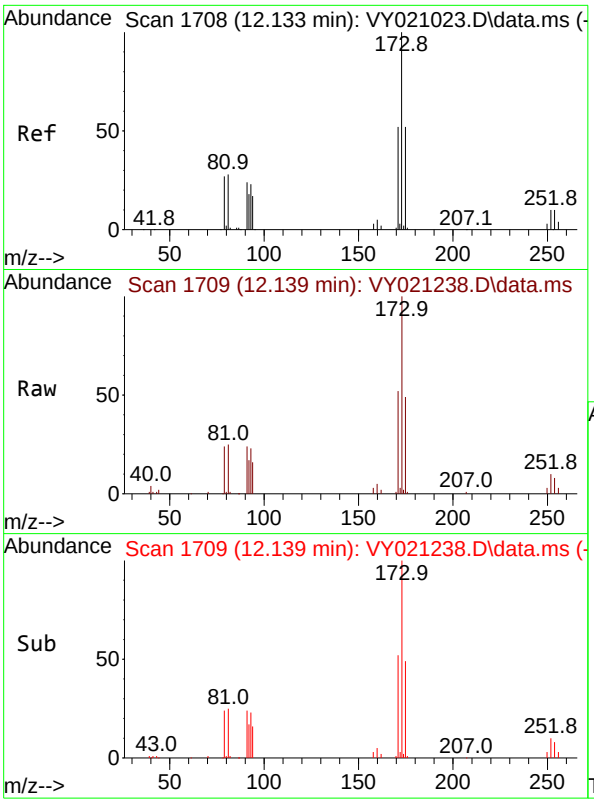




#70
Styrene
Concen: 22.209 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:104 Resp: 130042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.5 | 39.2 | 58.8 |
| 103 | 54.8 | 43.8 | 65.6 |



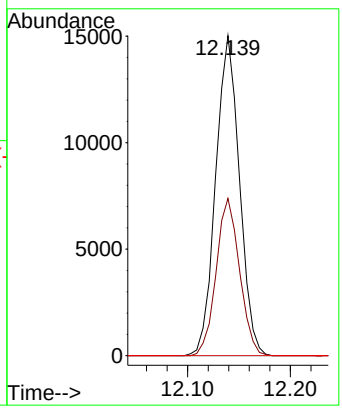


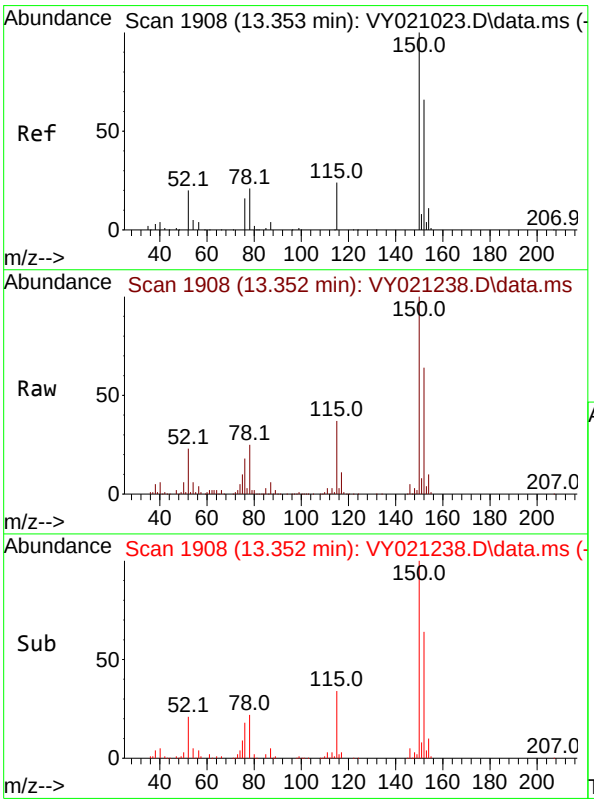

#71
Bromoform
Concen: 21.385 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:173 Resp: 24089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 23.5 | 70.6 |
| 254 | 0.0 | 0.0 | 0.0 |

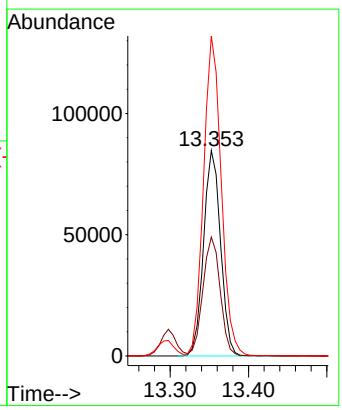


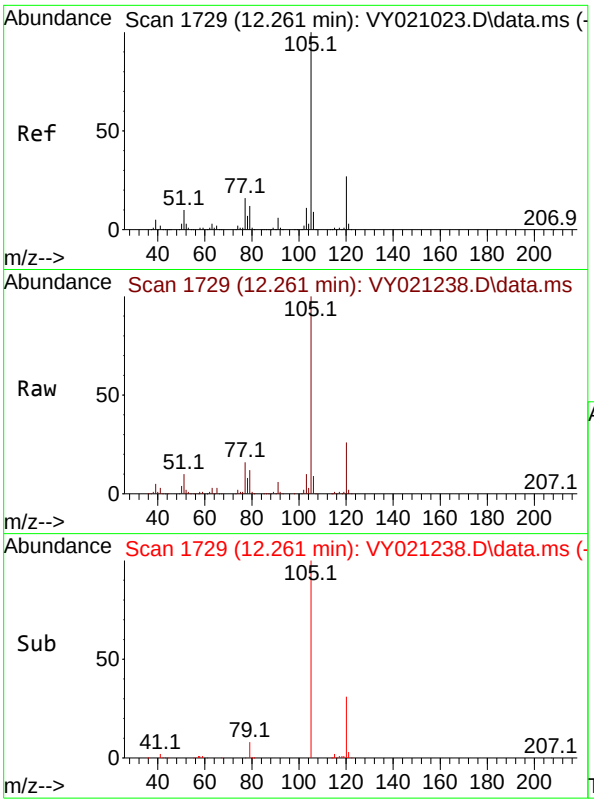




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:152 Resp: 127239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.9 | 30.0 | 90.0 |
| 150 | 162.7 | 0.0 | 344.6 |



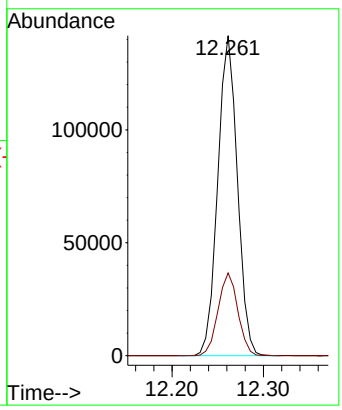


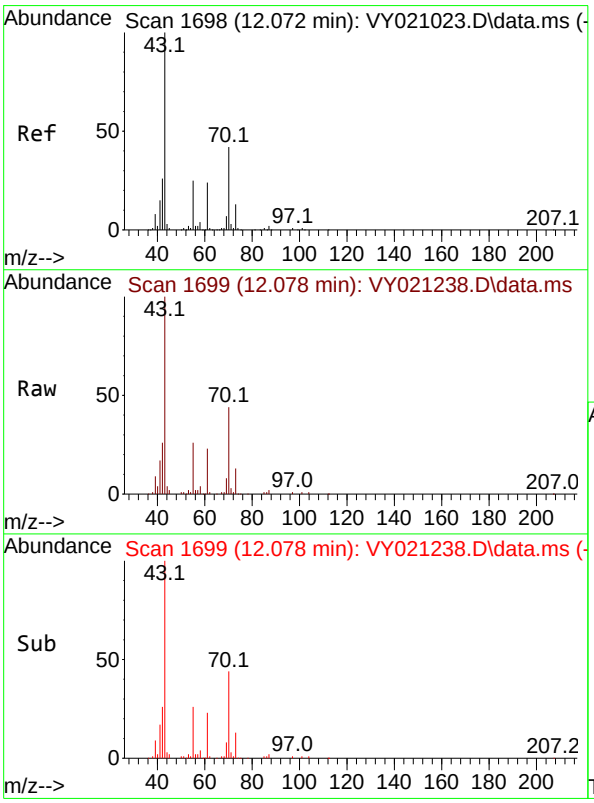

#73
Isopropylbenzene
Concen: 21.270 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:105 Resp: 211405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 39.0 |

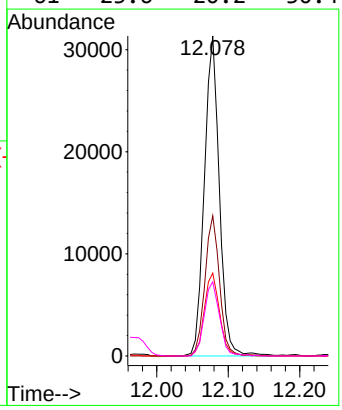


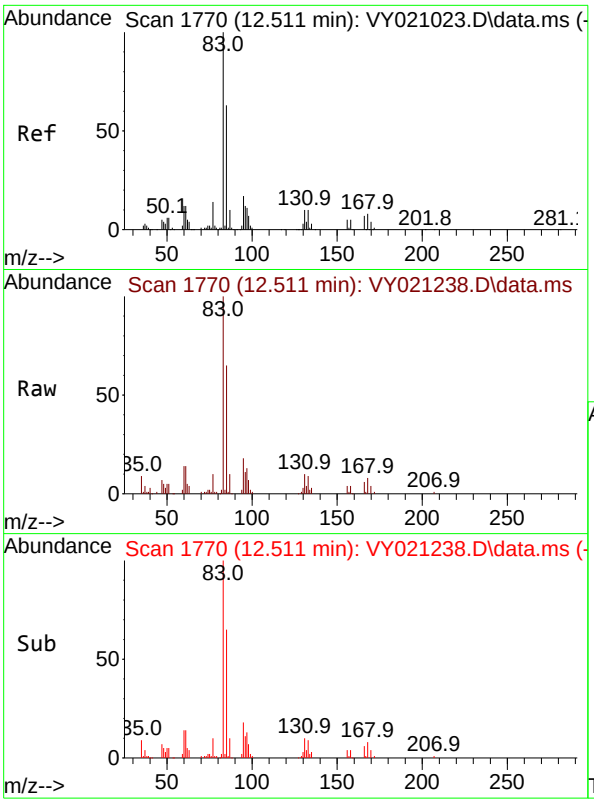




#74
N-amyl acetate
Concen: 21.059 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 43 Resp: 45761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.4 | 36.6 | 55.0 |
| 55 | 26.3 | 22.2 | 33.4 |
| 61 | 23.6 | 20.2 | 30.4 |



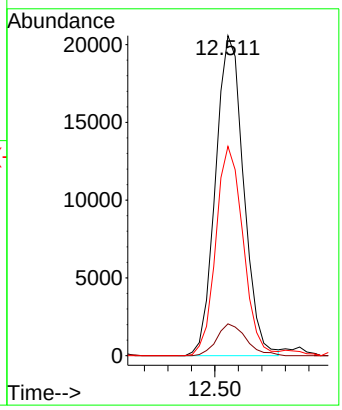


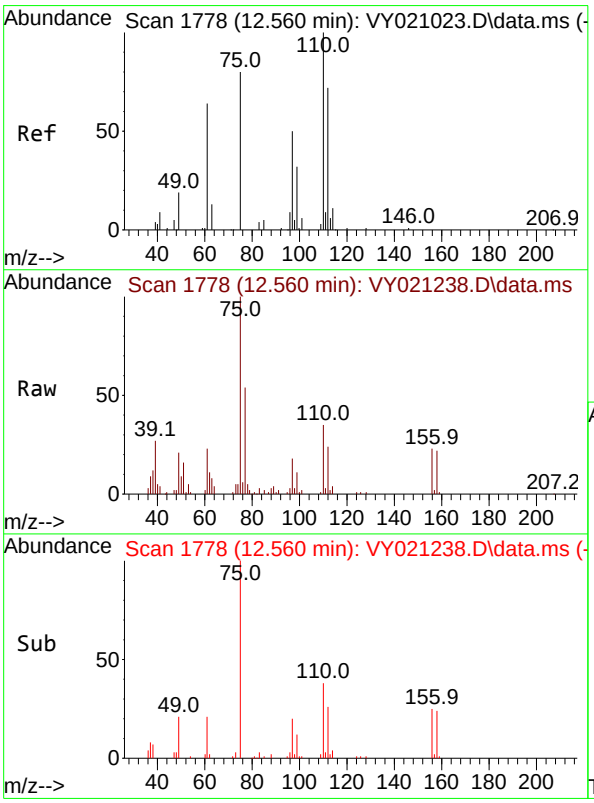

#75
1,1,2,2-Tetrachloroethane
Concen: 20.659 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 83 Resp: 34149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 4.9 | 14.6 |
| 85 | 63.7 | 32.6 | 98.0 |

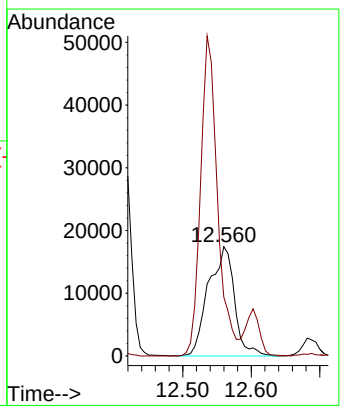


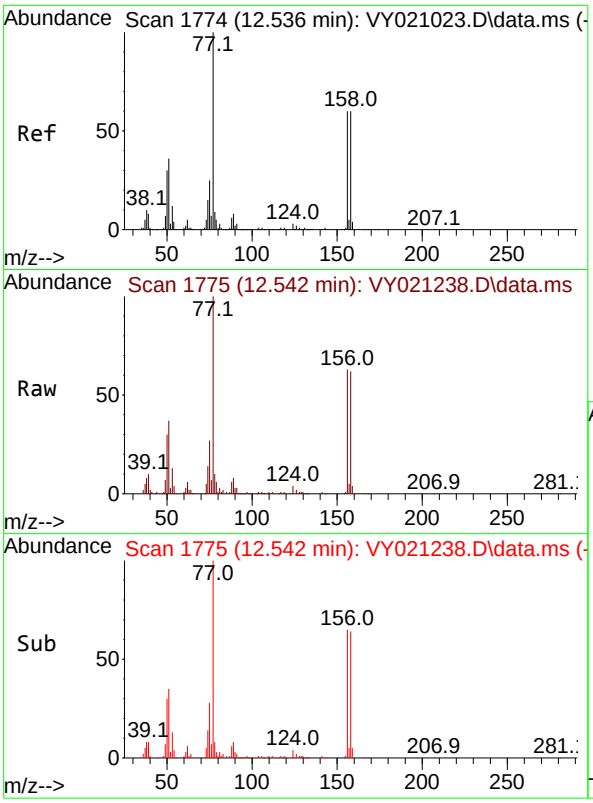




#76
1,2,3-Trichloropropane
Concen: 39.773 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 45907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



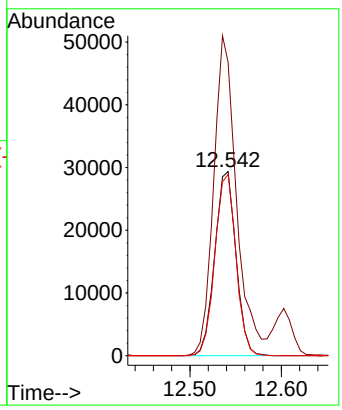


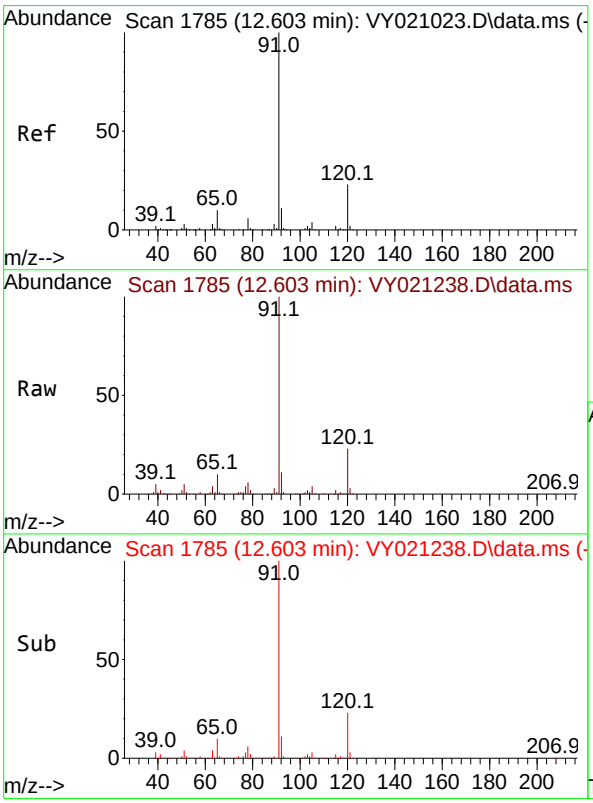

#77
Bromobenzene
Concen: 20.670 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:156 Resp: 47410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.5 | 97.3 | 291.8 |
| 158 | 97.6 | 48.4 | 145.0 |

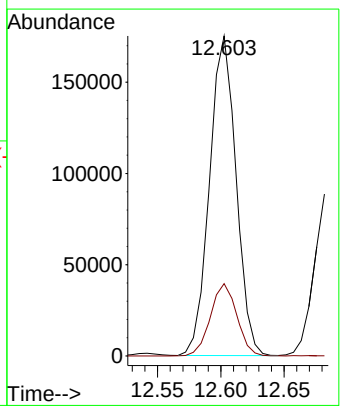


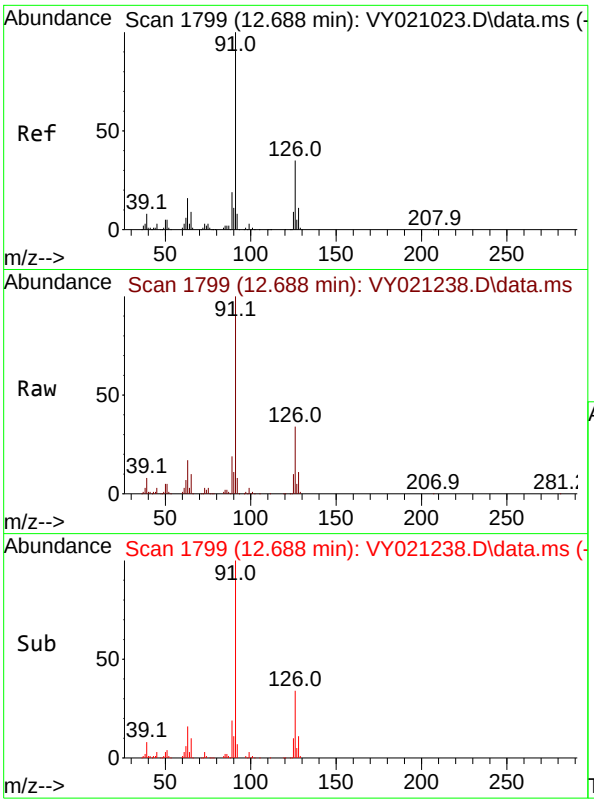




#78
n-propylbenzene
Concen: 21.599 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 255730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.0 | 33.0 |



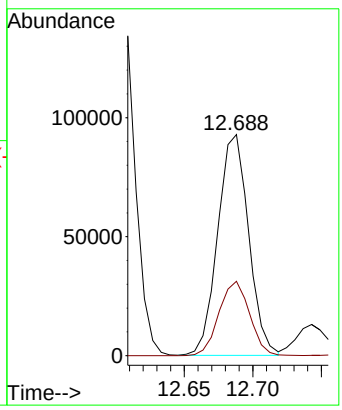


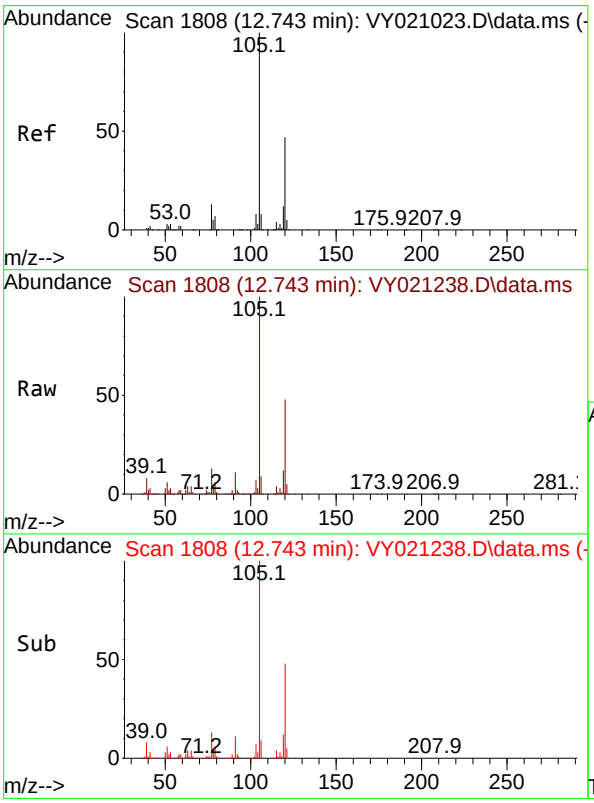

#79
2-Chlorotoluene
Concen: 21.449 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 91 Resp: 145452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 17.0 | 51.0 |

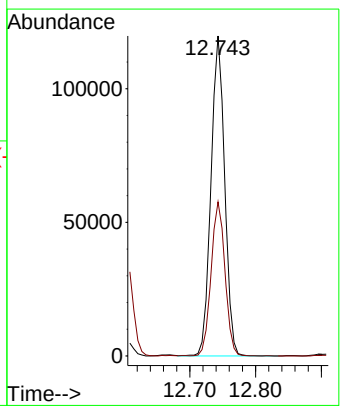


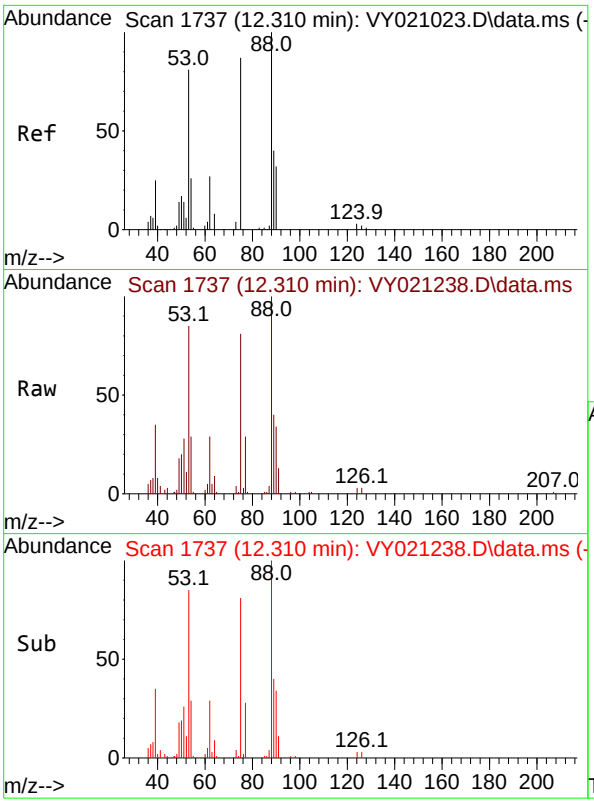




#80
1,3,5-Trimethylbenzene
Concen: 21.577 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 173873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.7 | 24.3 | 72.8 |



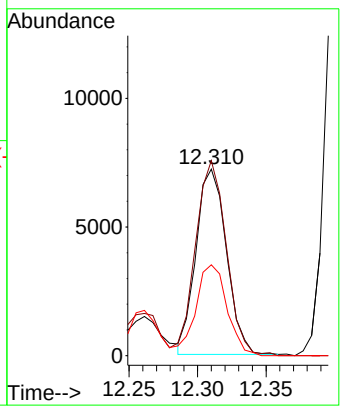


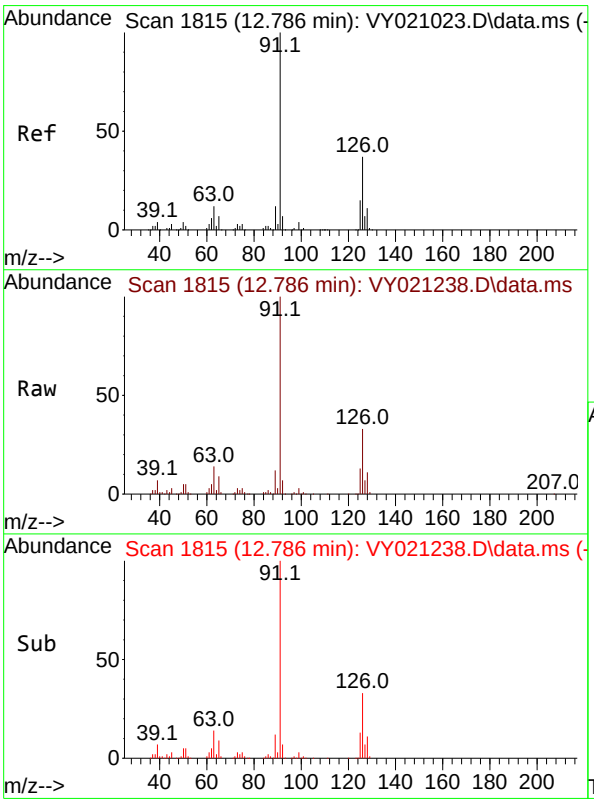

#81
trans-1,4-Dichloro-2-butene
Concen: 19.678 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 75 Resp: 11131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 107.0 | 74.0 | 111.0 |
| 89 | 50.8 | 36.5 | 54.7 |

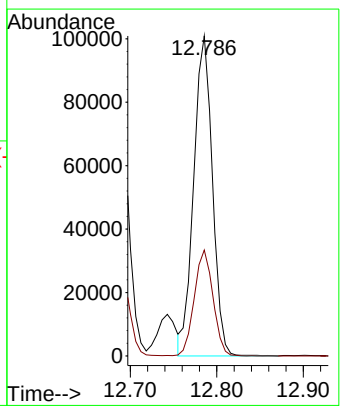


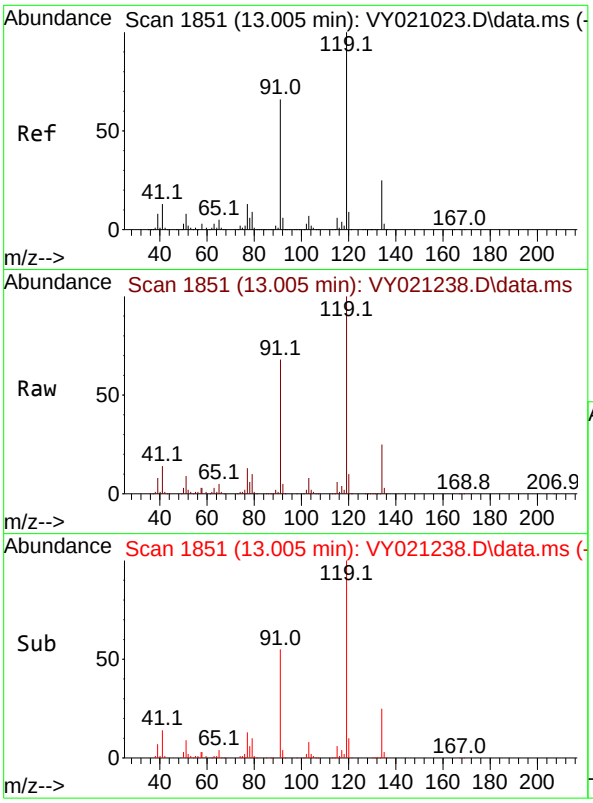




#82
4-Chlorotoluene
Concen: 21.910 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 91 Resp: 151381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 17.1 | 51.2 |



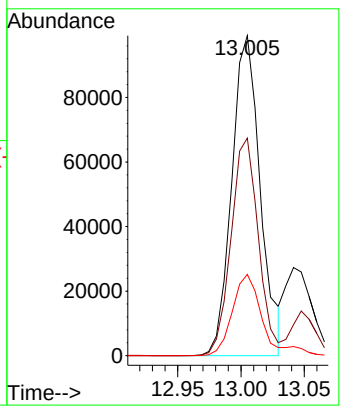


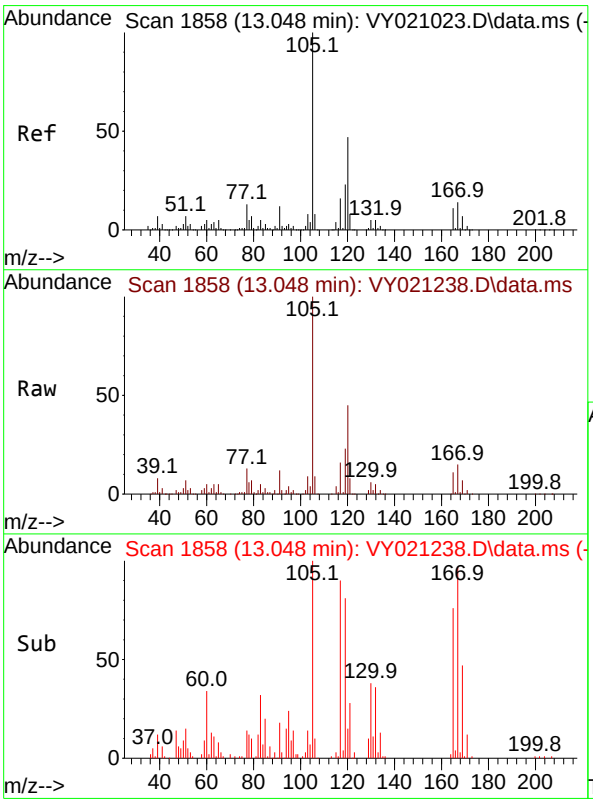

#83
tert-Butylbenzene
Concen: 21.237 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:119 Resp: 155556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.1 | 31.5 | 94.5 |
| 134 | 26.9 | 13.1 | 39.3 |

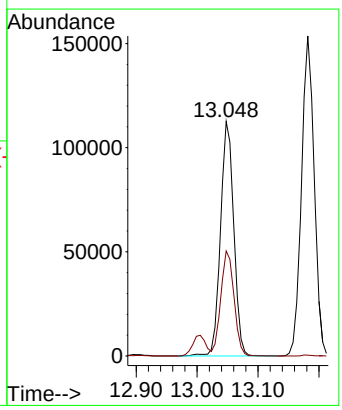


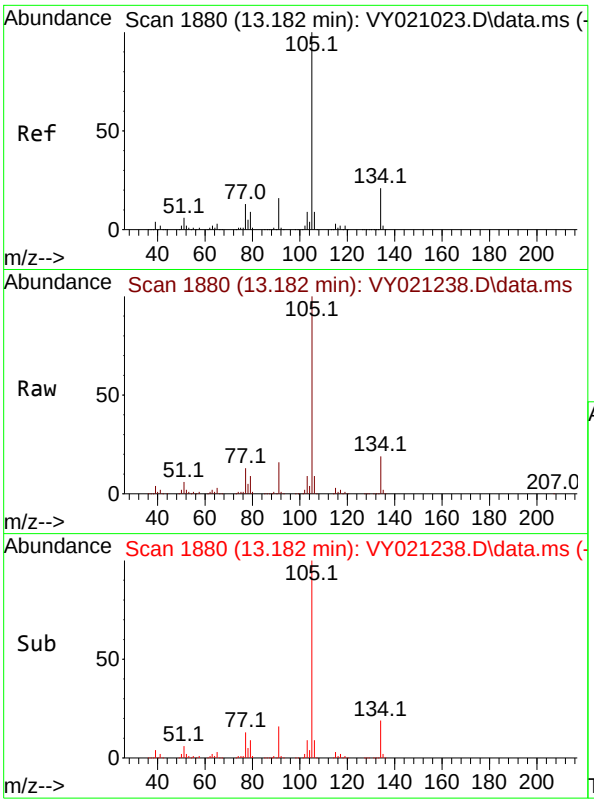




#84
1,2,4-Trimethylbenzene
Concen: 21.644 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:105 Resp: 170537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.5 | 22.1 | 66.3 |



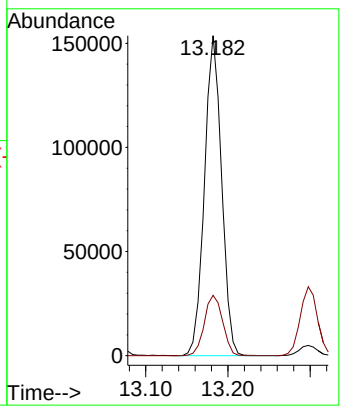


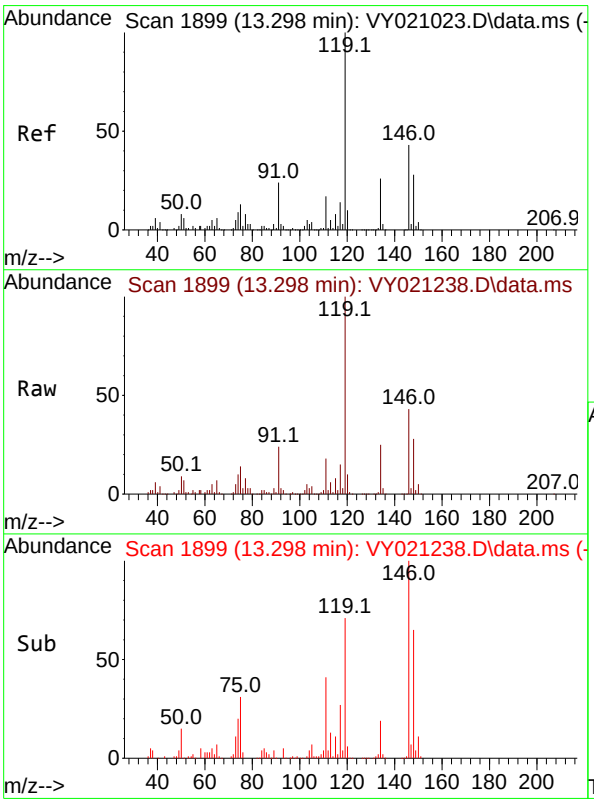

#85
sec-Butylbenzene
Concen: 21.099 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:105 Resp: 222457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.7 | 28.9 |

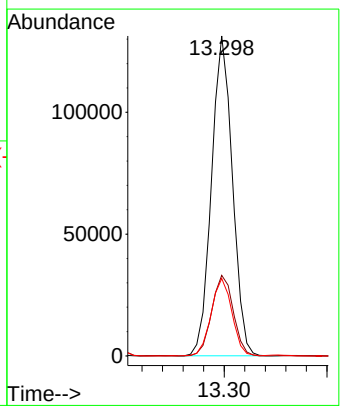


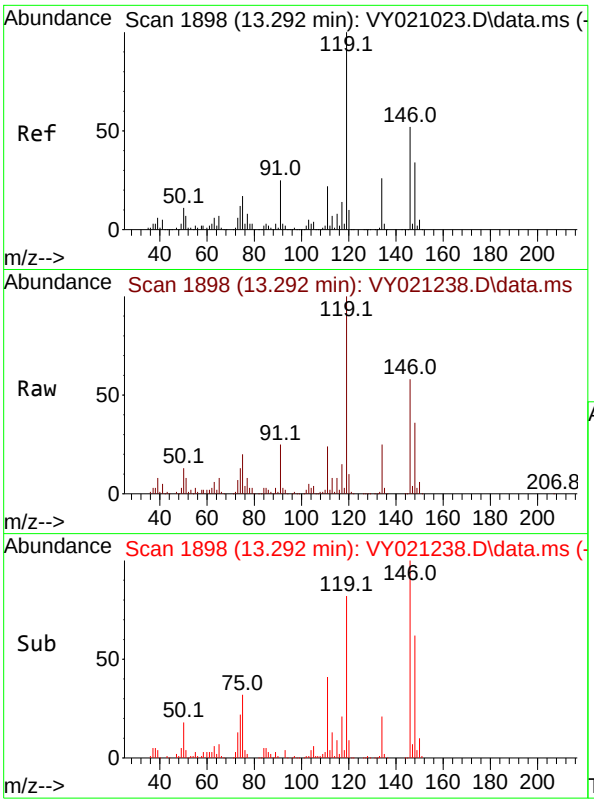




#86
p-Isopropyltoluene
Concen: 21.155 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:119 Resp: 185286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.1 | 39.1 |
| 91 | 24.2 | 11.7 | 35.0 |



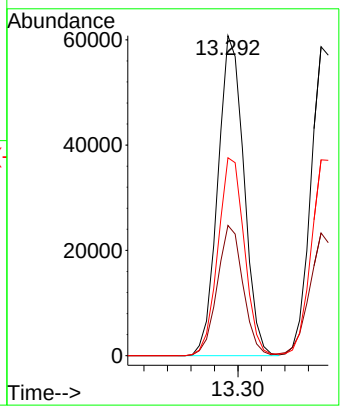


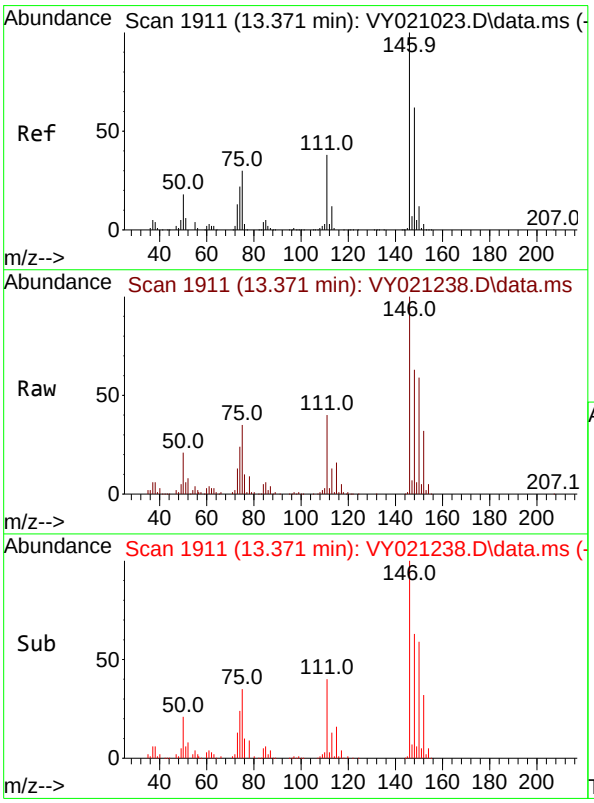

#87
1,3-Dichlorobenzene
Concen: 21.128 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:146 Resp: 93571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.2 | 60.5 |
| 148 | 62.8 | 31.9 | 95.9 |

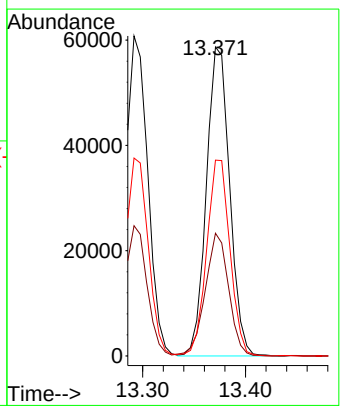


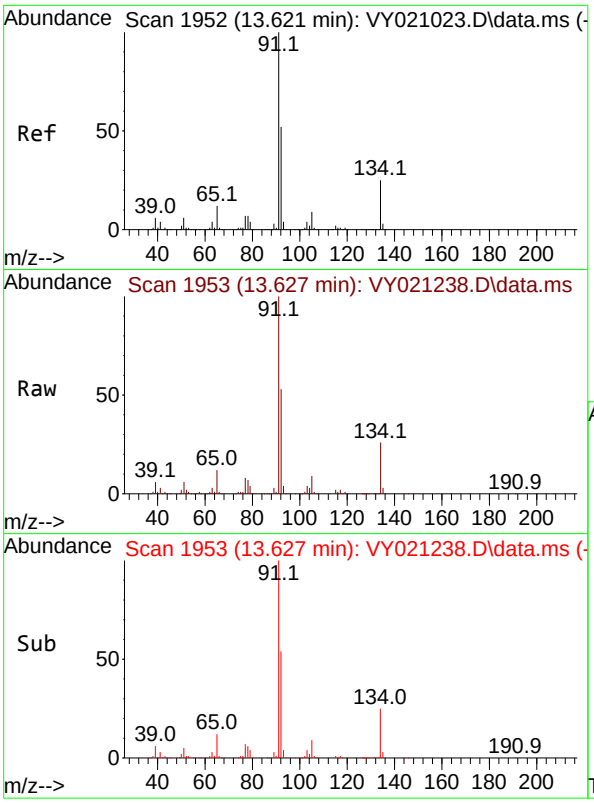




#88
1,4-Dichlorobenzene
Concen: 21.142 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:146 Resp: 92191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.1 | 19.3 | 57.9 |
| 148 | 63.4 | 31.6 | 94.7 |



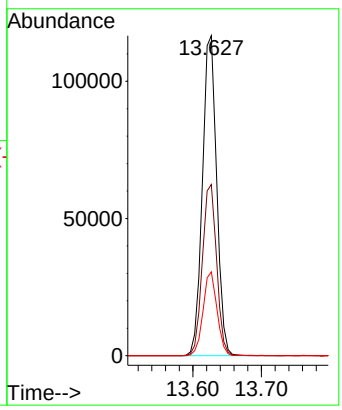


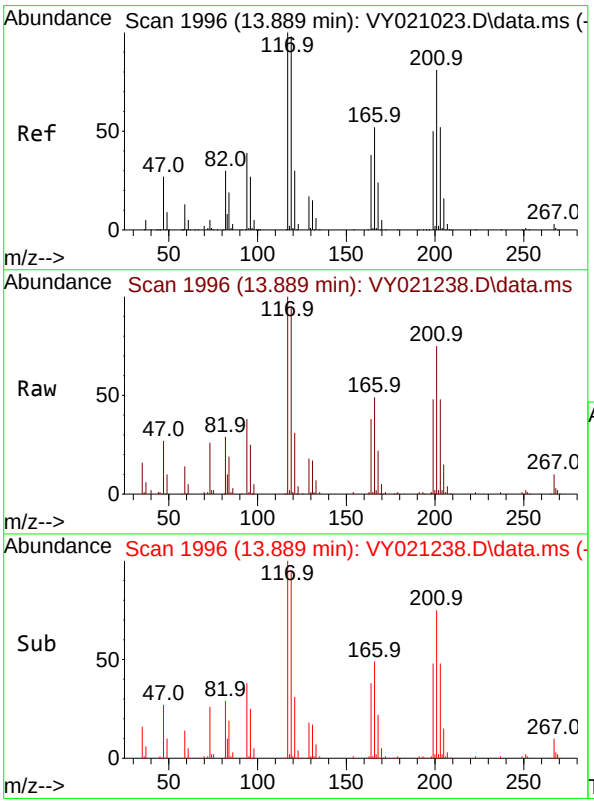

#89
n-Butylbenzene
Concen: 21.153 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion: 91 Resp: 169011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.4 | 79.2 |
| 134 | 25.7 | 12.3 | 36.8 |

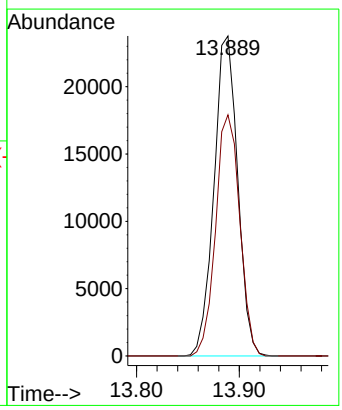


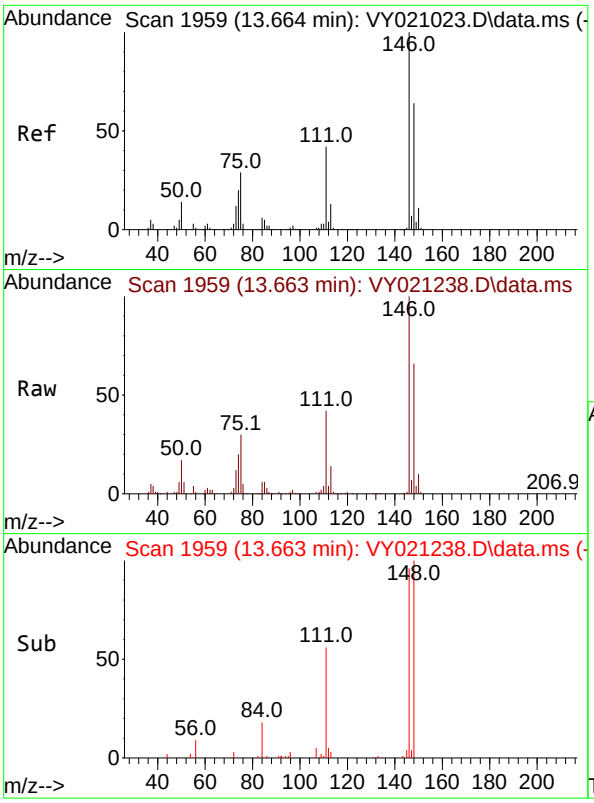




#90
Hexachloroethane
Concen: 20.838 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:117 Resp: 38075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.5 | 33.4 | 100.1 |



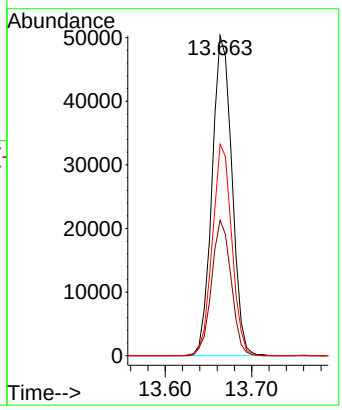


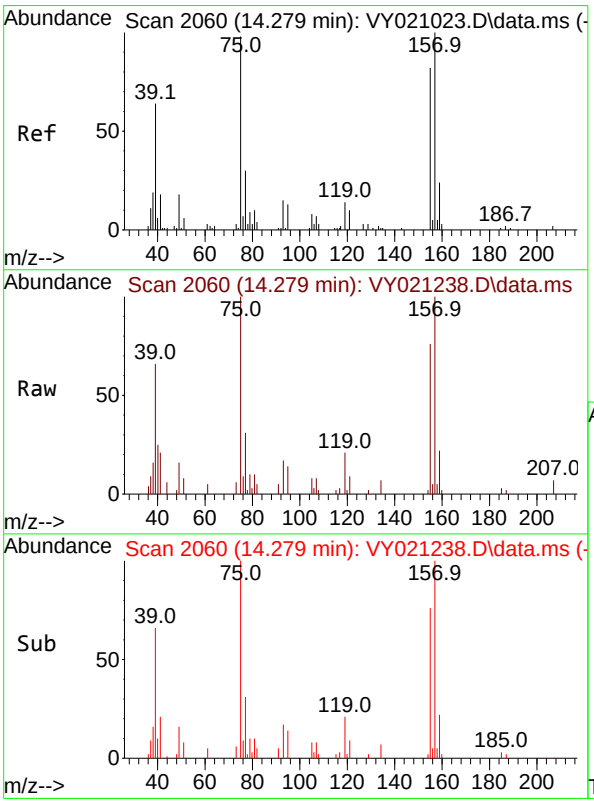

#91
1,2-Dichlorobenzene
Concen: 20.833 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:146 Resp: 80080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.5 | 61.6 |
| 148 | 64.5 | 31.4 | 94.3 |

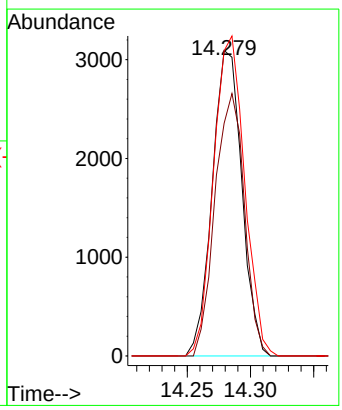


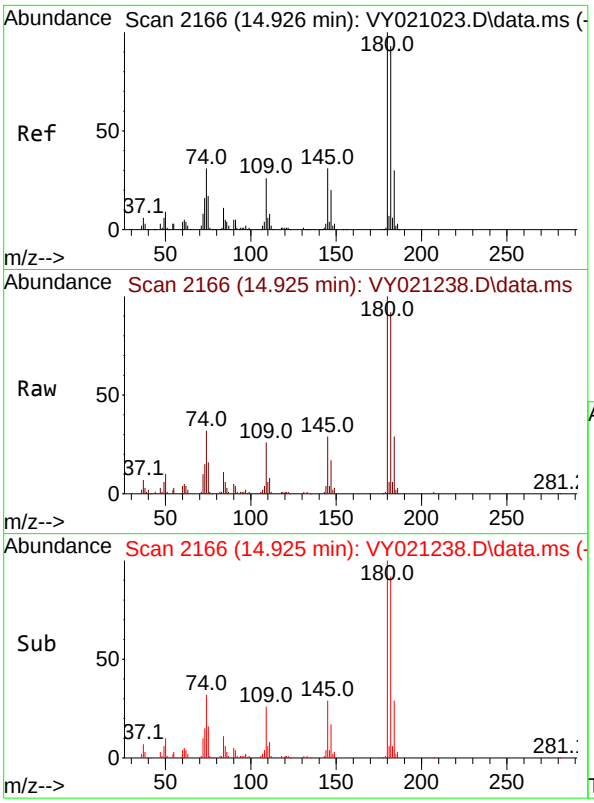




#92
1,2-Dibromo-3-Chloropropane
Concen: 20.379 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion: 75 Resp: 5034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.2 | 42.1 | 126.3 |
| 157 | 109.4 | 55.8 | 167.4 |



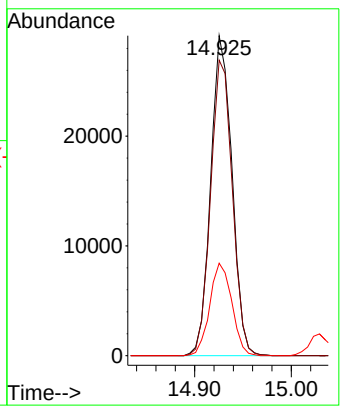


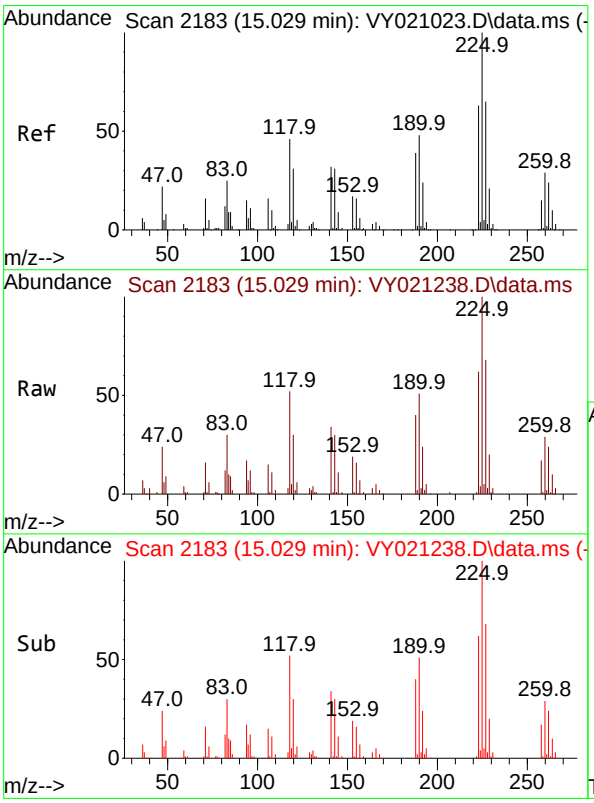

#93
1,2,4-Trichlorobenzene
Concen: 20.795 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:180 Resp: 44493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 47.9 | 143.7 |
| 145 | 30.0 | 15.9 | 47.7 |

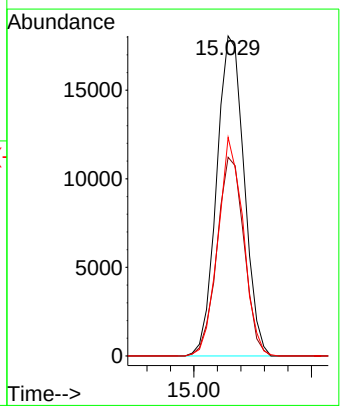


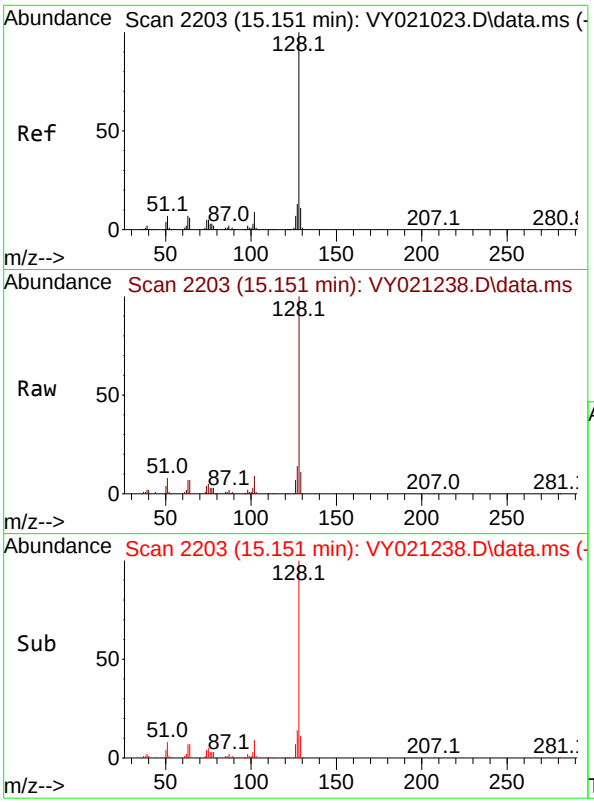




#94
Hexachlorobutadiene
Concen: 20.714 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:225 Resp: 29370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.1 | 31.4 | 94.3 |
| 227 | 62.9 | 32.3 | 96.8 |



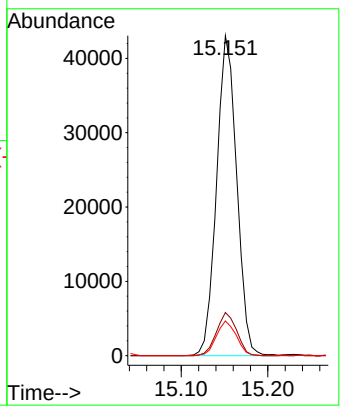


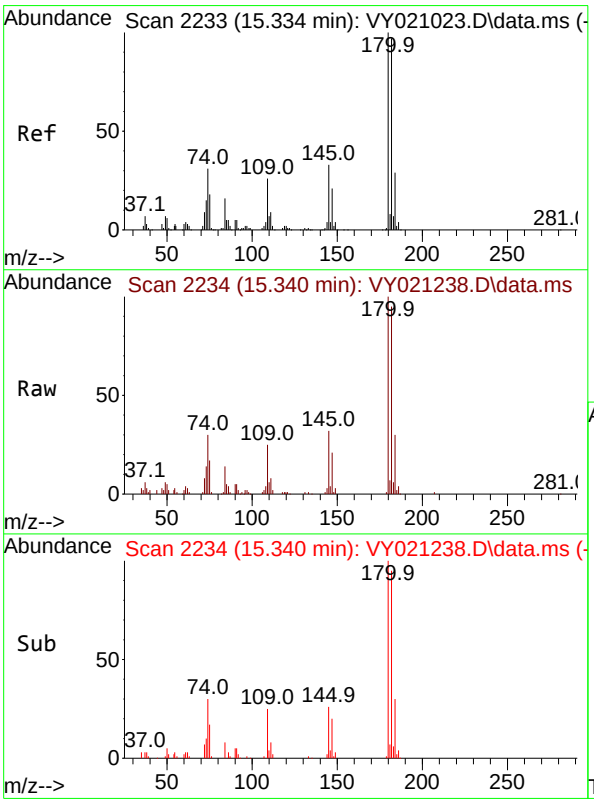

#95
Naphthalene
Concen: 20.324 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0219SBS01

Tgt Ion:128 Resp: 69571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.5 | 10.2 | 15.4 |
| 129 | 10.8 | 8.6 | 12.8 |

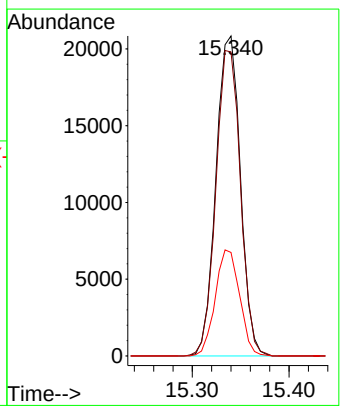



#96
1,2,3-Trichlorobenzene
Concen: 20.486 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021238.D
Acq: 19 Feb 2025 15:49

Tgt Ion:180 Resp: 36476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 46.3 | 138.8 |
| 145 | 33.1 | 16.1 | 48.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 165417 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 263329 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 229757 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 116229 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 88101 | 51.982 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 103.960% | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 84971 | 50.351 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 100.700% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 314603 | 48.967 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 97.940% | | | |
| 62) 4-Bromofluorobenzene | 12.407 | 95 | 111317 | 53.035 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 106.060% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 68125 | 46.207 | ug/l | 94 |
| 3) Chloromethane | 2.074 | 50 | 77616 | 53.350 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 81998 | 55.997 | ug/l | 98 |
| 5) Bromomethane | 2.604 | 94 | 51477 | 56.877 | ug/l | 95 |
| 6) Chloroethane | 2.745 | 64 | 53243 | 61.081 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 139644 | 52.345 | ug/l | 100 |
| 8) Diethyl Ether | 3.464 | 74 | 46675 | 56.045 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 85745 | 51.211 | ug/l | 96 |
| 10) Methyl Iodide | 4.013 | 142 | 96299 | 51.770 | ug/l | 93 |
| 11) Tert butyl alcohol | 4.878 | 59 | 30610 | 266.519 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 80071 | 50.767 | ug/l | 89 |
| 13) Acrolein | 3.659 | 56 | 34023 | 192.376 | ug/l | 98 |
| 14) Allyl chloride | 4.397 | 41 | 147780 | 55.595 | ug/l | 95 |
| 15) Acrylonitrile | 5.067 | 53 | 105365 | 303.821 | ug/l | 99 |
| 16) Acetone | 3.878 | 43 | 78384 | 296.567 | ug/l | 96 |
| 17) Carbon Disulfide | 4.116 | 76 | 224522 | 45.397 | ug/l | 98 |
| 18) Methyl Acetate | 4.397 | 43 | 61425 | 66.203 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.122 | 73 | 234150 | 58.736 | ug/l | 98 |
| 20) Methylene Chloride | 4.628 | 84 | 93932 | 57.169 | ug/l | 88 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 89402 | 51.495 | ug/l | 91 |
| 22) Diisopropyl ether | 6.024 | 45 | 328775 | 60.006 | ug/l | 97 |
| 23) Vinyl Acetate | 5.970 | 43 | 911621 | 298.467 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 178918 | 55.736 | ug/l | 97 |
| 25) 2-Butanone | 6.902 | 43 | 133426 | 307.203 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 6.896 | 77 | 153504 | 51.680 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 110153 | 55.122 | ug/l | 94 |
| 28) Bromochloromethane | 7.256 | 49 | 72467 | 57.089 | ug/l | 96 |
| 29) Tetrahydrofuran | 7.268 | 42 | 90360 | 307.460 | ug/l | 95 |
| 30) Chloroform | 7.427 | 83 | 184343 | 55.908 | ug/l | 99 |
| 31) Cyclohexane | 7.713 | 56 | 140823 | 48.715 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 162598 | 53.040 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 125097 | 50.046 | ug/l | 99 |
| 37) Ethyl Acetate | 6.994 | 43 | 64705 | 59.007 | ug/l | 97 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 146445 | 50.141 | ug/l | 98 |
| 39) Methylcyclohexane | 9.115 | 83 | 151836 | 49.660 | ug/l | 98 |
| 40) Benzene | 8.085 | 78 | 387558 | 52.834 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.225 | 41 | 38035 | 59.955 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 111164 | 54.630 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.201 | 43 | 128687 | 59.061 | ug/l | | 96 |
| 44) Trichloroethene | 8.871 | 130 | 95421 | 50.349 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 96514 | 55.433 | ug/l | | 97 |
| 46) Dibromomethane | 9.237 | 93 | 52073 | 54.018 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.426 | 83 | 142381 | 55.072 | ug/l | | 96 |
| 48) Methyl methacrylate | 9.225 | 41 | 60459 | 60.916 | ug/l | | 94 |
| 49) 1,4-Dioxane | 9.237 | 88 | 10699 | 1192.209 | ug/l | | 91 |
| 51) 4-Methyl-2-Pentanone | 10.005 | 43 | 334517 | 305.302 | ug/l | | 97 |
| 52) Toluene | 10.176 | 92 | 243403 | 52.845 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 130776 | 56.333 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 152060 | 55.321 | ug/l | # | 92 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 69894 | 55.990 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.444 | 69 | 100897 | 60.418 | ug/l | | 88 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 121459 | 56.213 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 232635 | 292.814 | ug/l | | 99 |
| 59) 2-Hexanone | 10.767 | 43 | 222547 | 315.458 | ug/l | | 95 |
| 60) Dibromochloromethane | 10.914 | 129 | 95808 | 54.651 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.017 | 107 | 64150 | 54.863 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.652 | 164 | 82866 | 48.585 | ug/l | | 97 |
| 65) Chlorobenzene | 11.444 | 112 | 266534 | 52.099 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.523 | 131 | 97033 | 53.372 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.523 | 91 | 476554 | 52.665 | ug/l | | 98 |
| 68) m/p-Xylenes | 11.633 | 106 | 352761 | 104.209 | ug/l | | 96 |
| 69) o-Xylene | 11.956 | 106 | 168625 | 53.429 | ug/l | | 97 |
| 70) Styrene | 11.975 | 104 | 285969 | 54.365 | ug/l | | 98 |
| 71) Bromoform | 12.139 | 173 | 55594 | 54.936 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.261 | 105 | 447834 | 49.326 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 114723 | 57.796 | ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 79491 | 52.644 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 104178 | 98.809 | ug/l | # | 100 |
| 77) Bromobenzene | 12.535 | 156 | 103017 | 49.169 | ug/l | | 97 |
| 78) n-propylbenzene | 12.603 | 91 | 539445 | 49.878 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 309867 | 50.023 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 365700 | 49.680 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 27332 | 52.896 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 316493 | 50.148 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 336692 | 50.321 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 364939 | 50.704 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 478716 | 49.704 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 395546 | 49.440 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 201146 | 49.722 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 194880 | 48.925 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 368108 | 50.435 | ug/l | | 99 |
| 90) Hexachloroethane | 13.883 | 117 | 83620 | 50.100 | ug/l | | 87 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 176618 | 50.301 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 11631 | 51.546 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 103377 | 52.893 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 63868 | 49.312 | ug/l | | 98 |
| 95) Naphthalene | 15.151 | 128 | 180305 | 57.663 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 87654 | 53.891 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

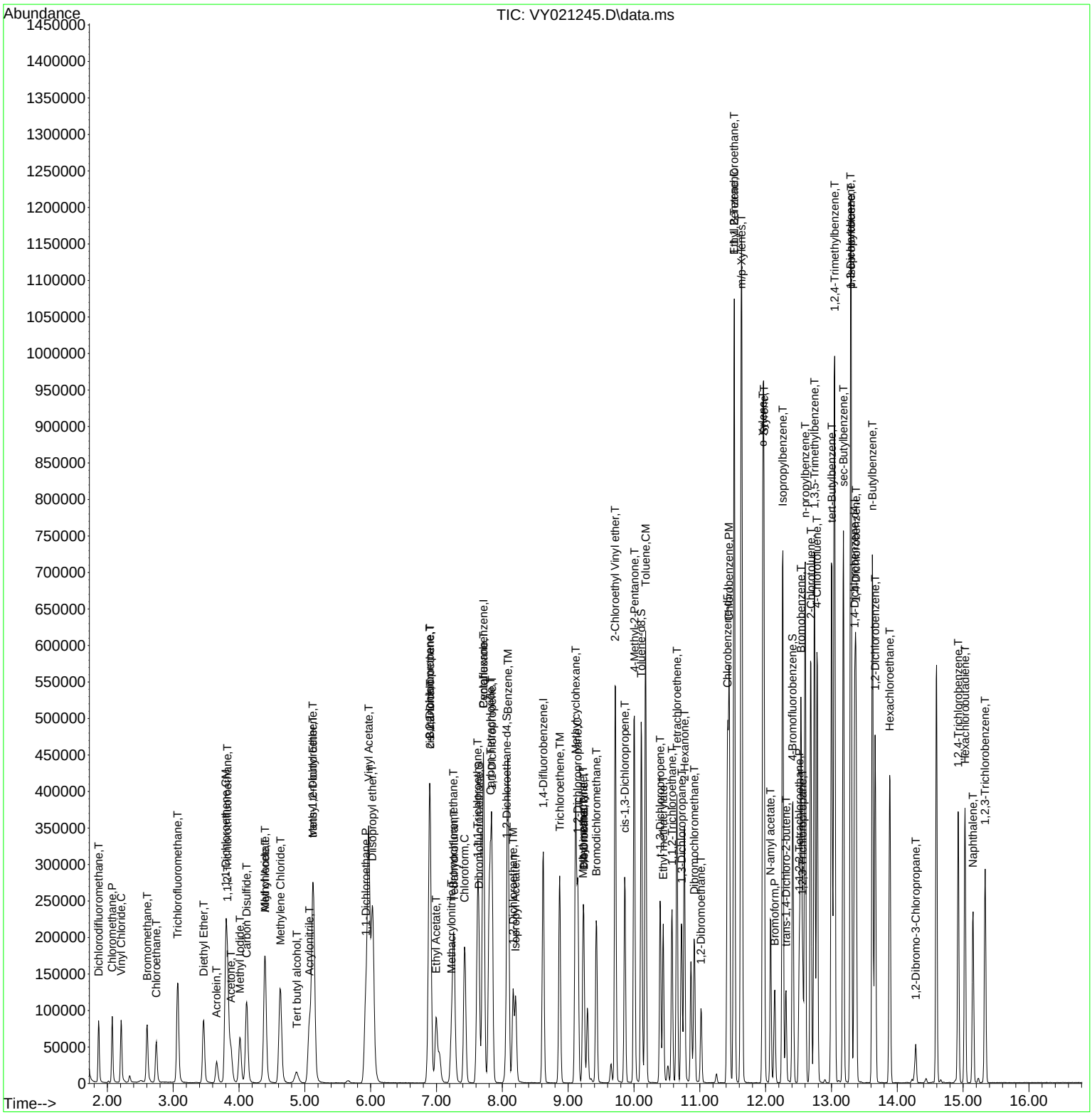
(#) = qualifier out of range (m) = manual integration (+) = signals summed

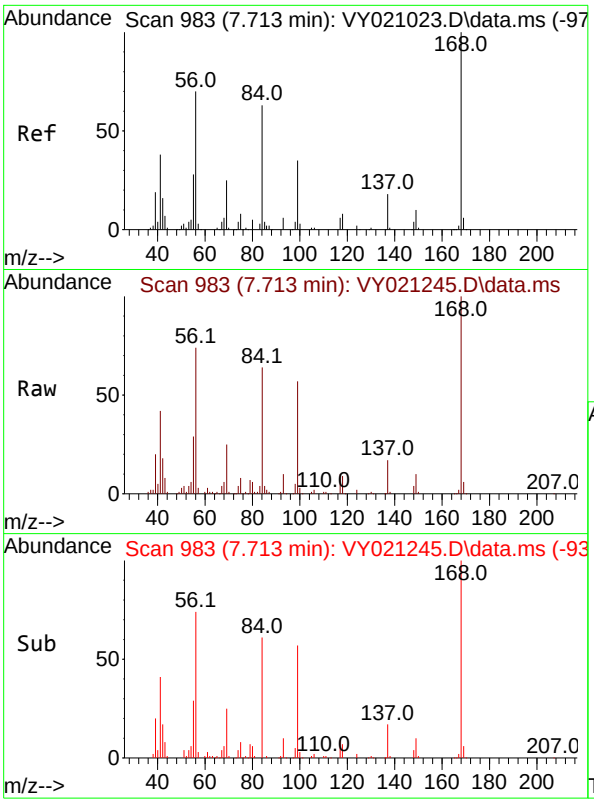
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021245.D
Acq On : 19 Feb 2025 18:32
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 20 00:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



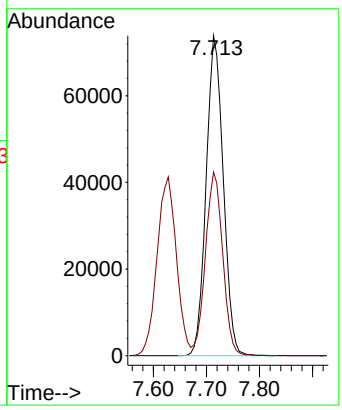


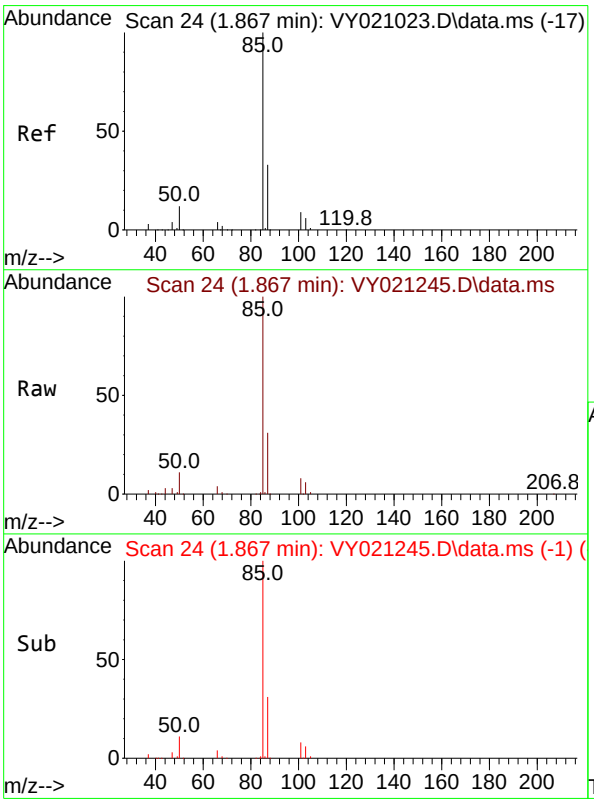

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 165417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.3 | 44.2 | 66.4 |

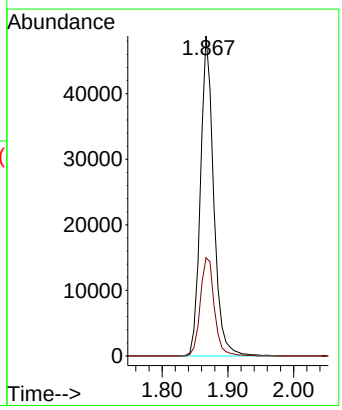


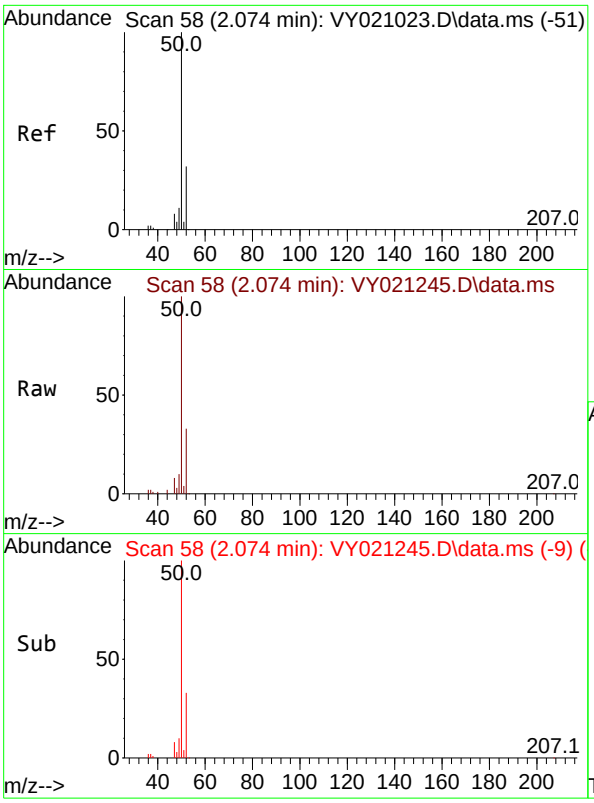




#2
Dichlorodifluoromethane
Concen: 46.207 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 85 Resp: 68125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.7 | 17.1 | 51.3 |



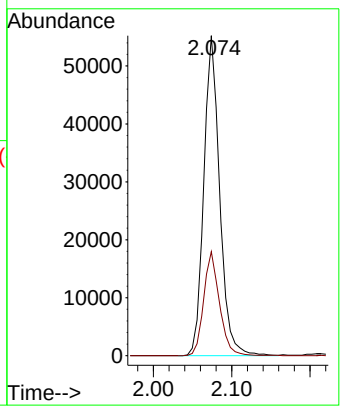


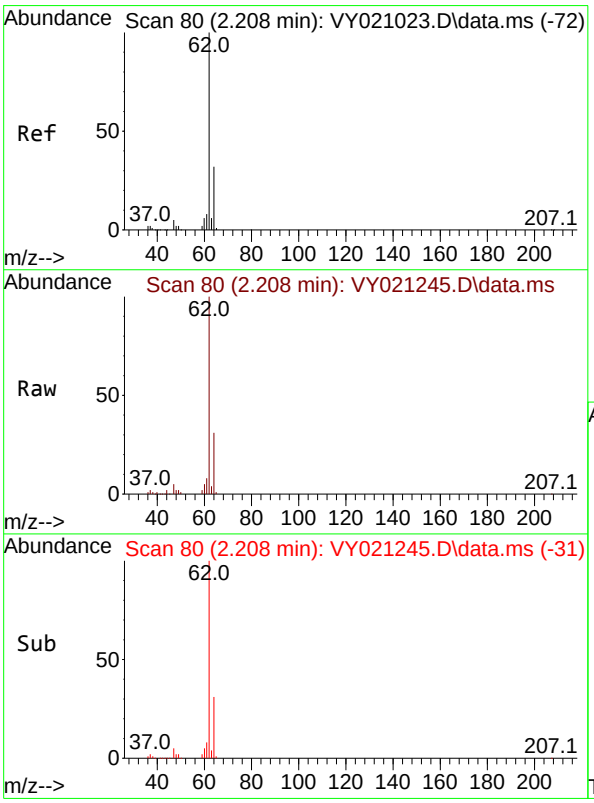

#3
Chloromethane
Concen: 53.350 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 77616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 26.7 | 40.1 |

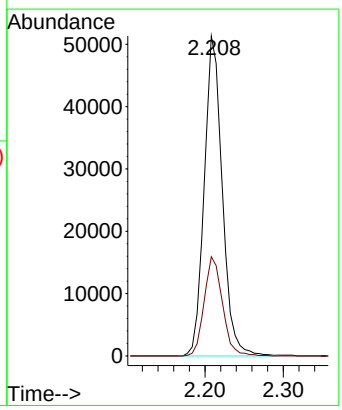


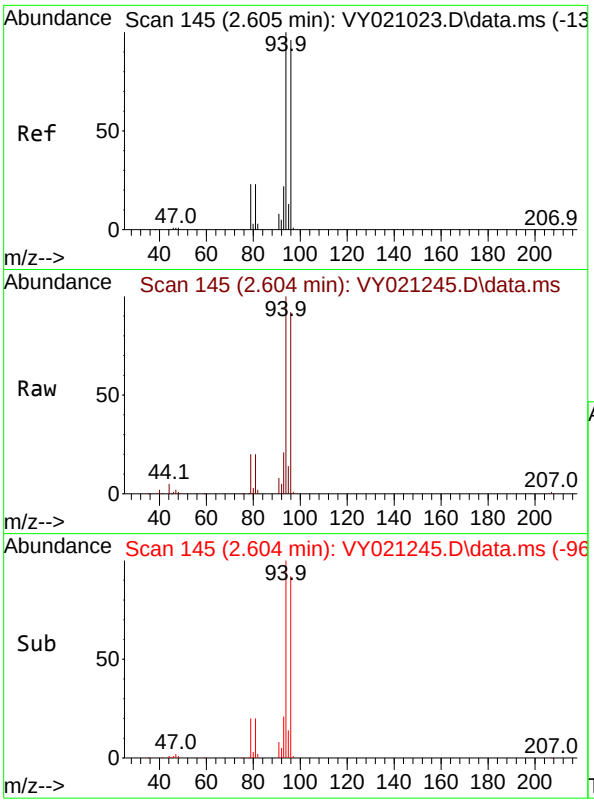




#4
Vinyl Chloride
Concen: 55.997 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 62 Resp: 81998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.0 | 25.7 | 38.5 |



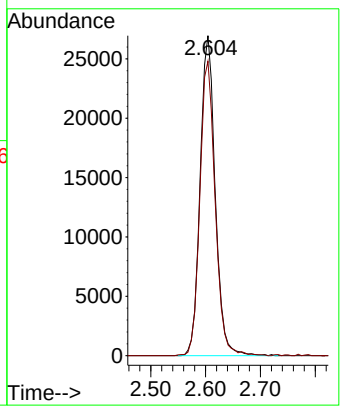


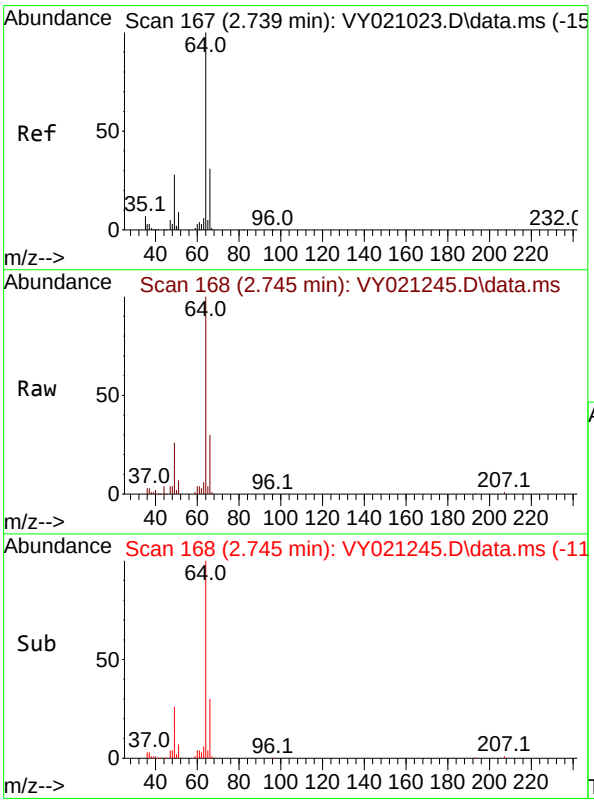

#5
Bromomethane
Concen: 56.877 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 51477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.7 | 77.3 | 115.9 |

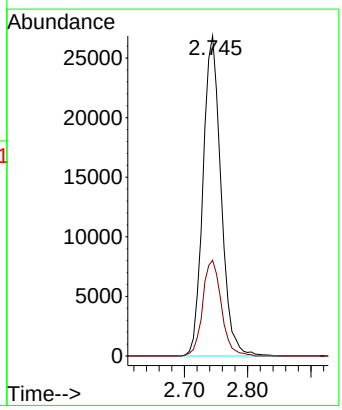


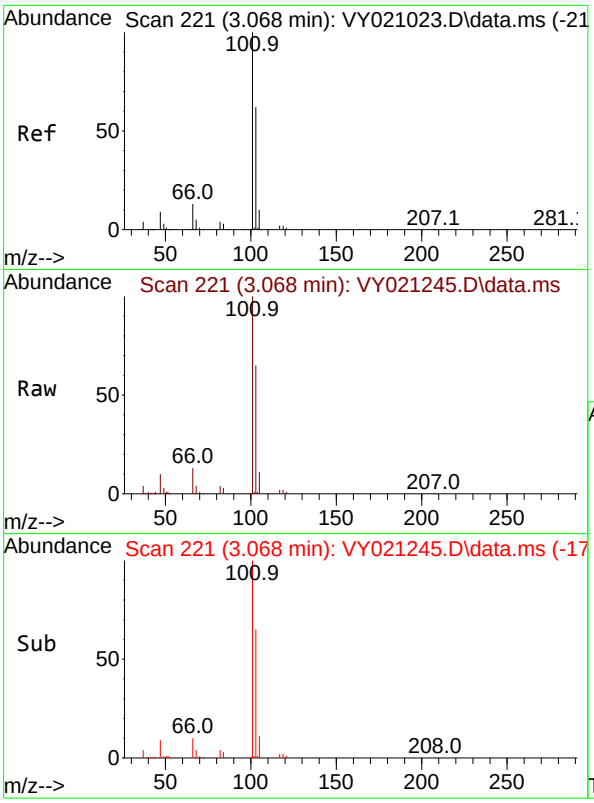




#6
Chloroethane
Concen: 61.081 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 64 Resp: 53243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 29.9 | 25.1 | 37.7 |



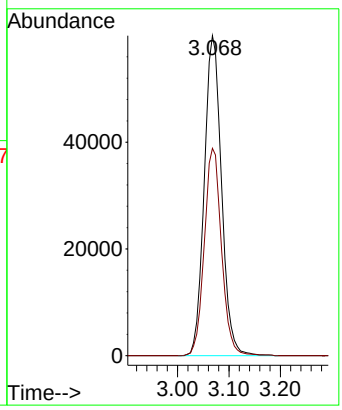


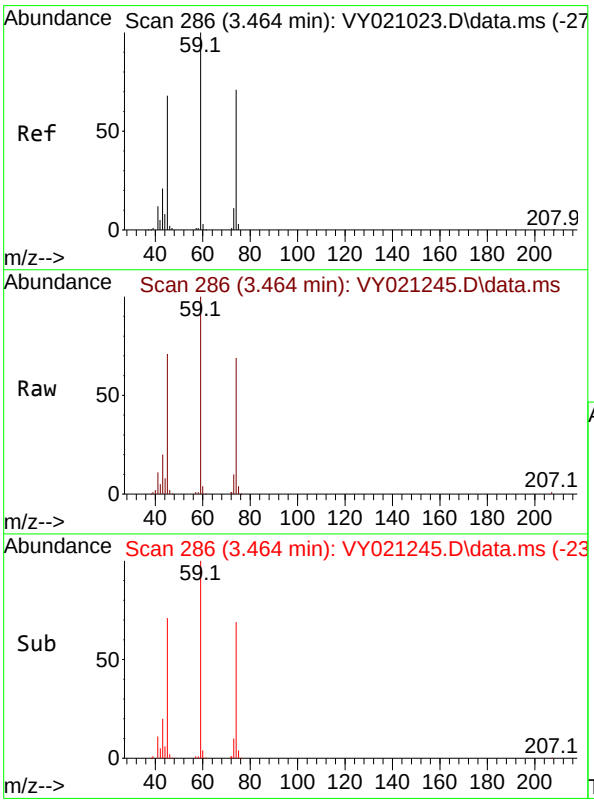

#7
Trichlorofluoromethane
Concen: 52.345 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 139644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.8 | 51.9 | 77.9 |

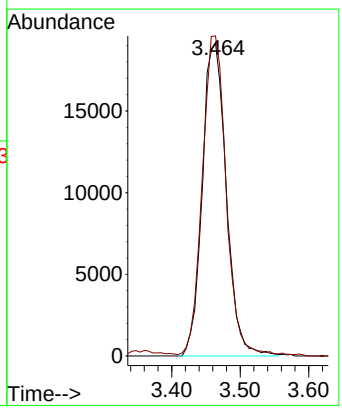


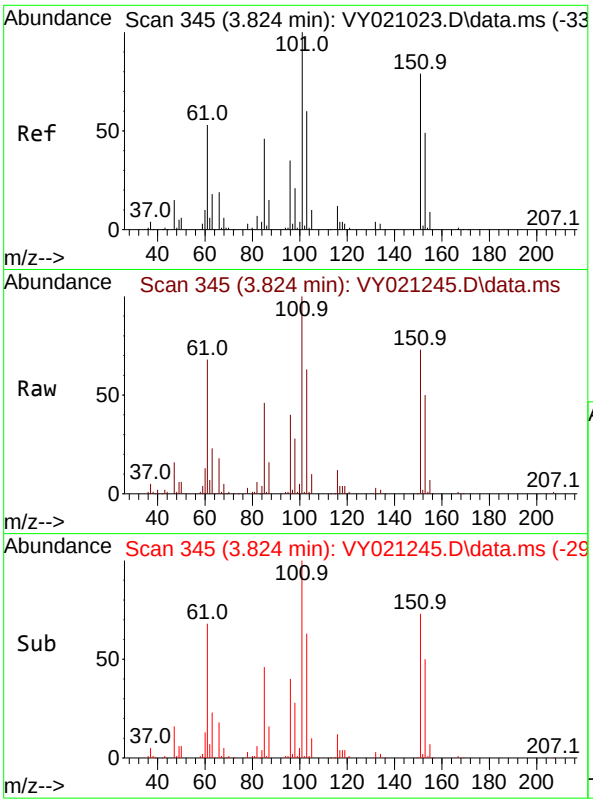




#8
Diethyl Ether
Concen: 56.045 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 74 Resp: 46675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.5 | 47.9 | 143.7 |



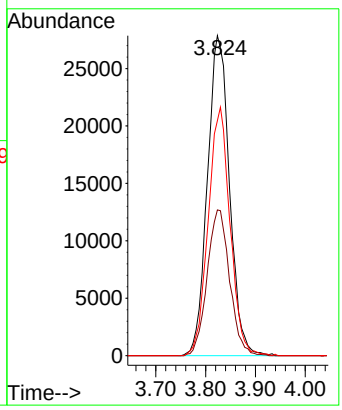


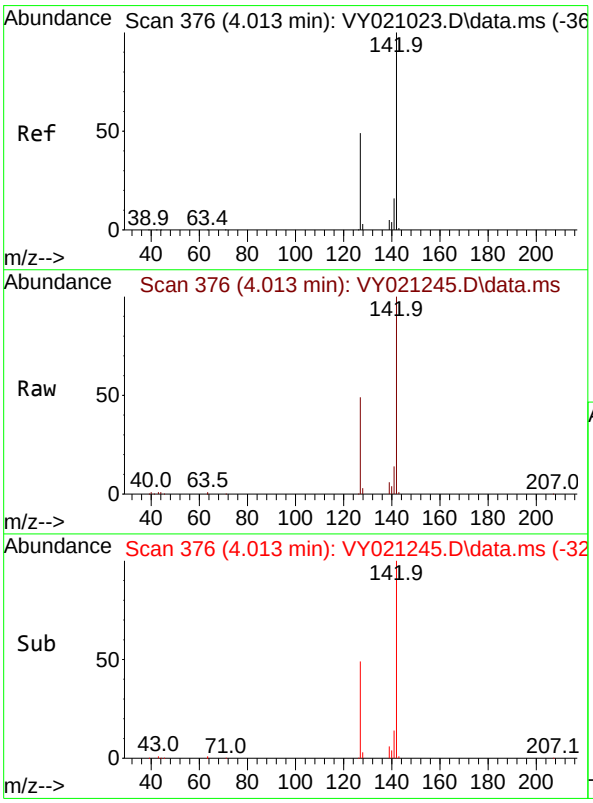

#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.211 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 85745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 35.8 | 53.6 |
| 151 | 76.9 | 58.6 | 88.0 |

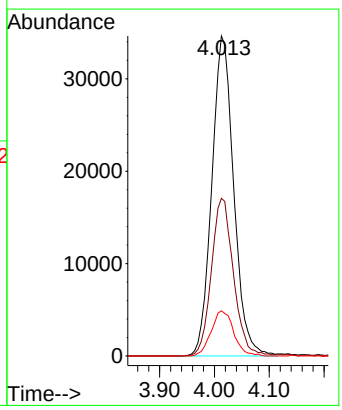


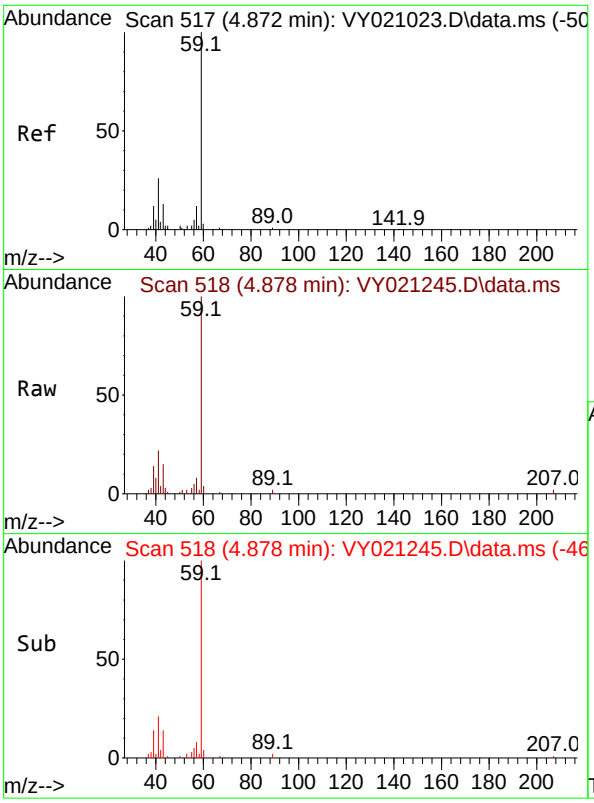




#10
Methyl Iodide
Concen: 51.770 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:142 Resp: 96299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.5 | 35.1 | 52.7 |
| 141 | 14.5 | 11.8 | 17.6 |



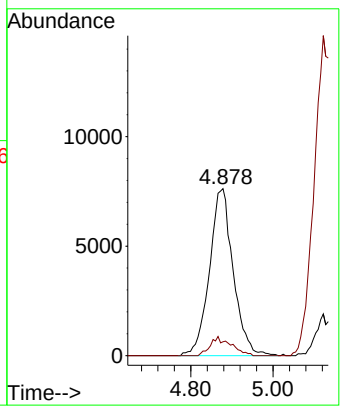


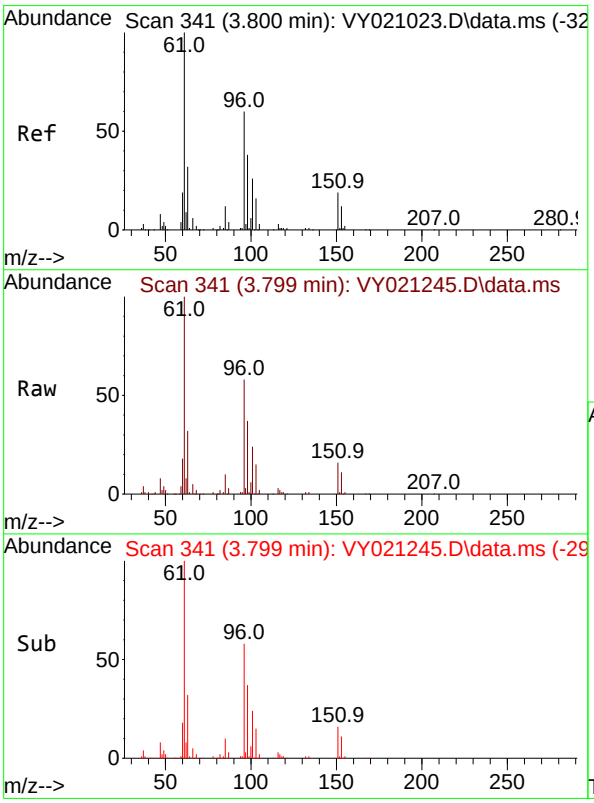

#11
Tert butyl alcohol
Concen: 266.519 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 30610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 7.4 | 11.0 |

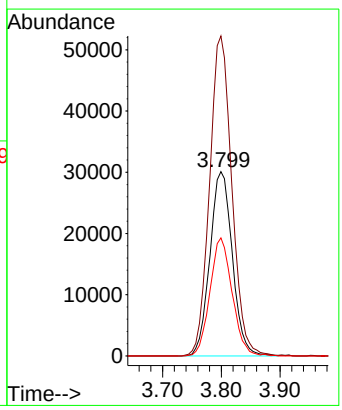


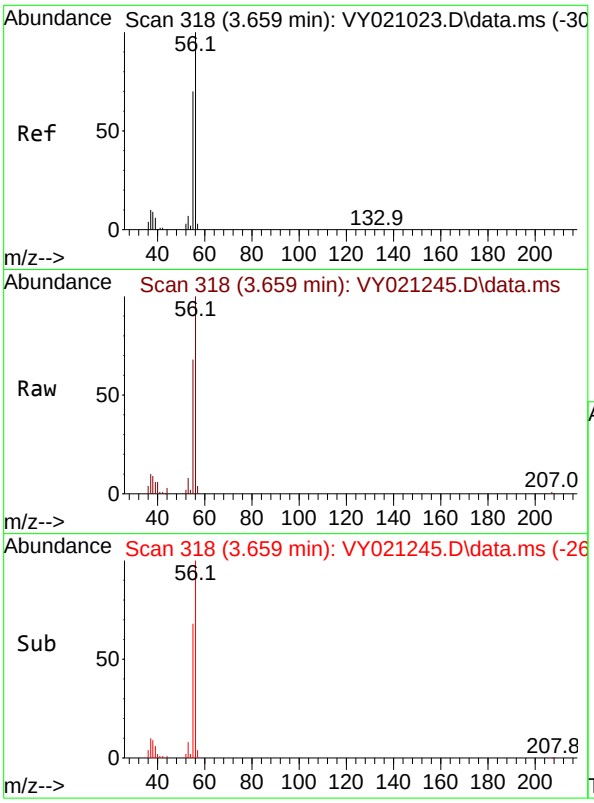




#12
1,1-Dichloroethene
Concen: 50.767 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 96 Resp: 80071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 173.6 | 124.2 | 186.2 |
| 98 | 64.1 | 52.6 | 79.0 |



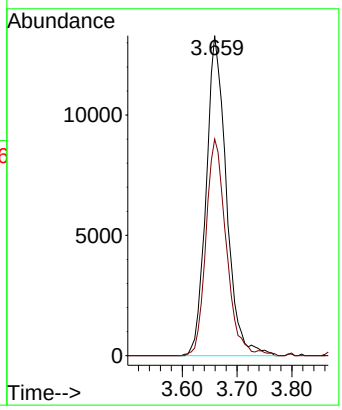


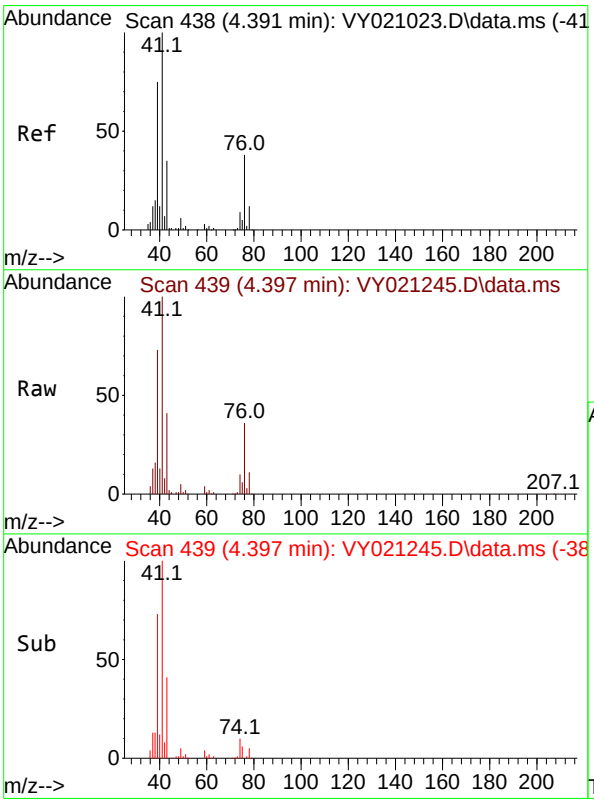

#13
Acrolein
Concen: 192.376 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 34023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 67.4 | 55.4 | 83.0 |

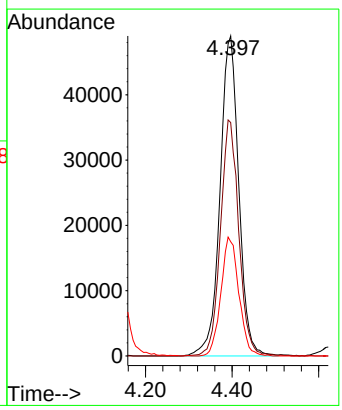


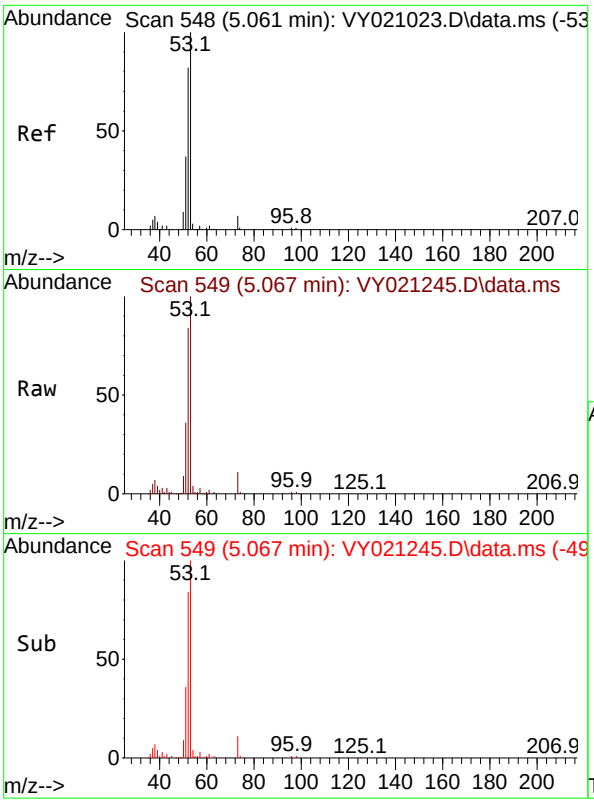




#14
Allyl chloride
Concen: 55.595 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 41 Resp: 147780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.1 | 54.7 | 82.1 |
| 76 | 35.6 | 31.8 | 47.6 |



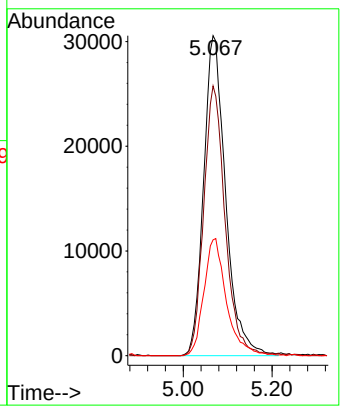


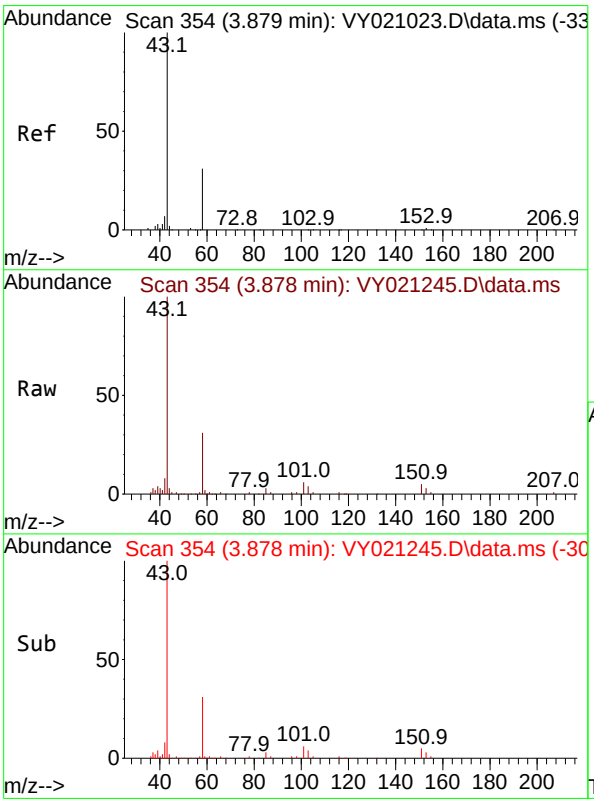

#15
Acrylonitrile
Concen: 303.821 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 105365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.9 | 65.1 | 97.7 |
| 51 | 37.6 | 29.0 | 43.4 |

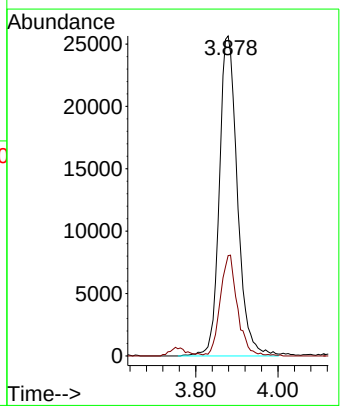


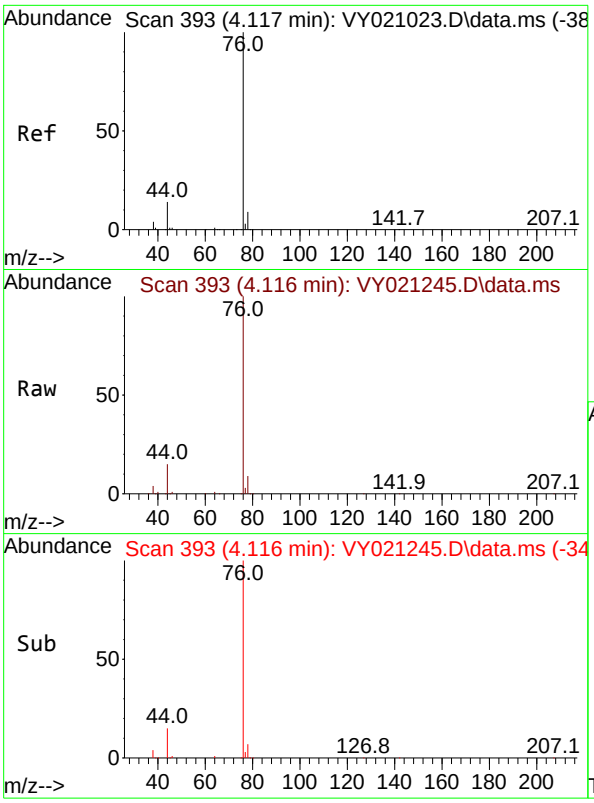




#16
Acetone
Concen: 296.567 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 78384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.1 | 26.6 | 39.8 |



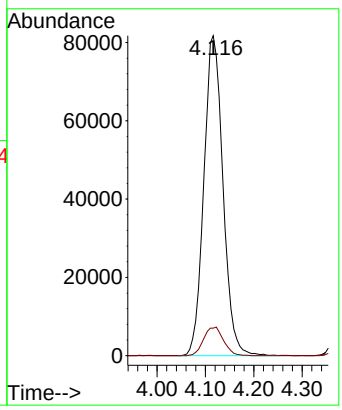


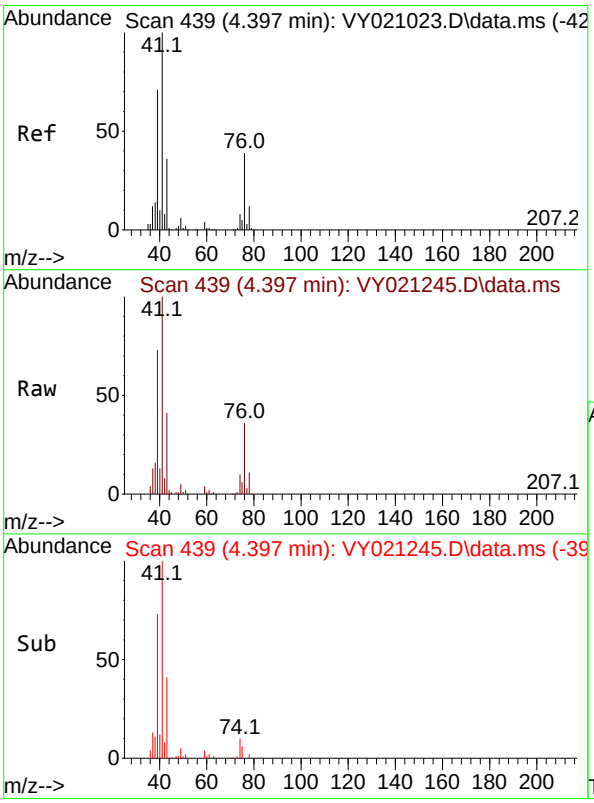

#17
Carbon Disulfide
Concen: 45.397 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 224522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 7.4 | 11.0 |

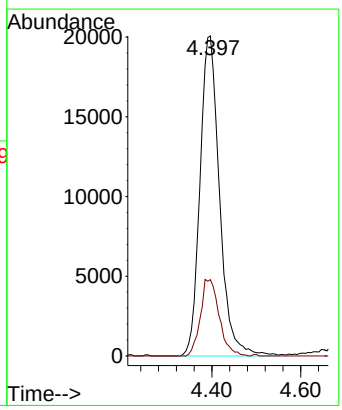


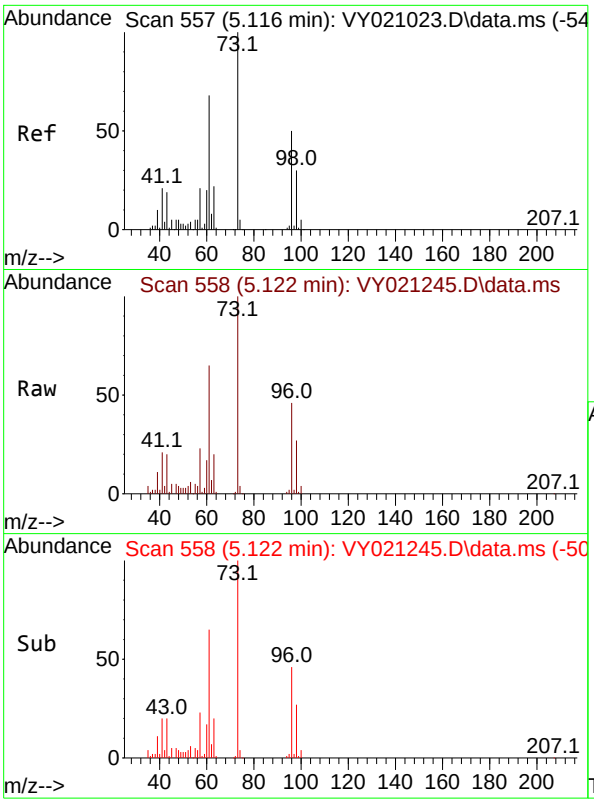




#18
Methyl Acetate
Concen: 66.203 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 61425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.0 | 19.8 | 29.6 |



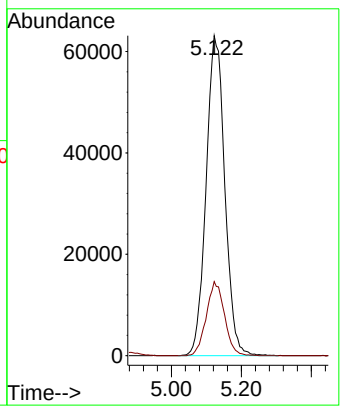


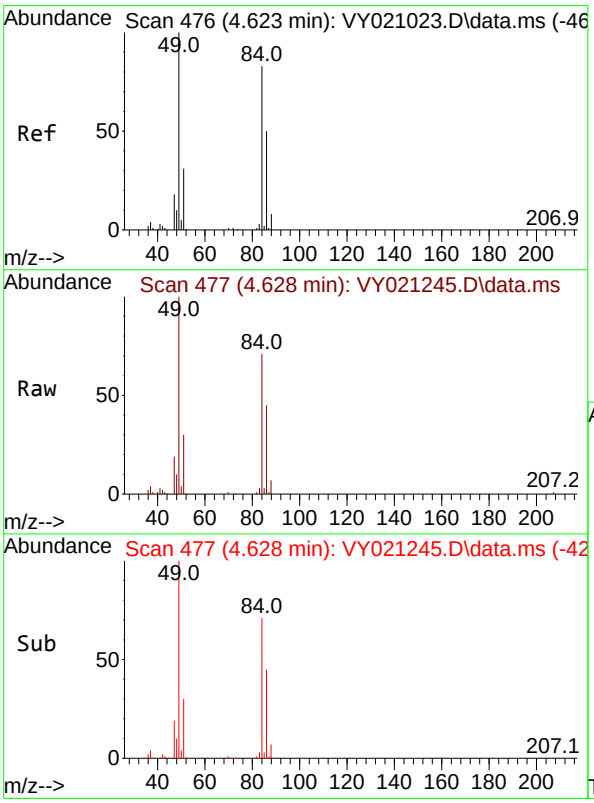

#19
Methyl tert-butyl Ether
Concen: 58.736 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 234150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.1 | 17.7 | 26.5 |

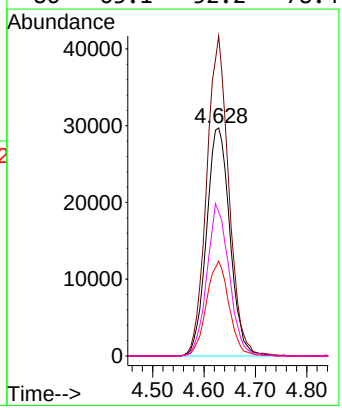


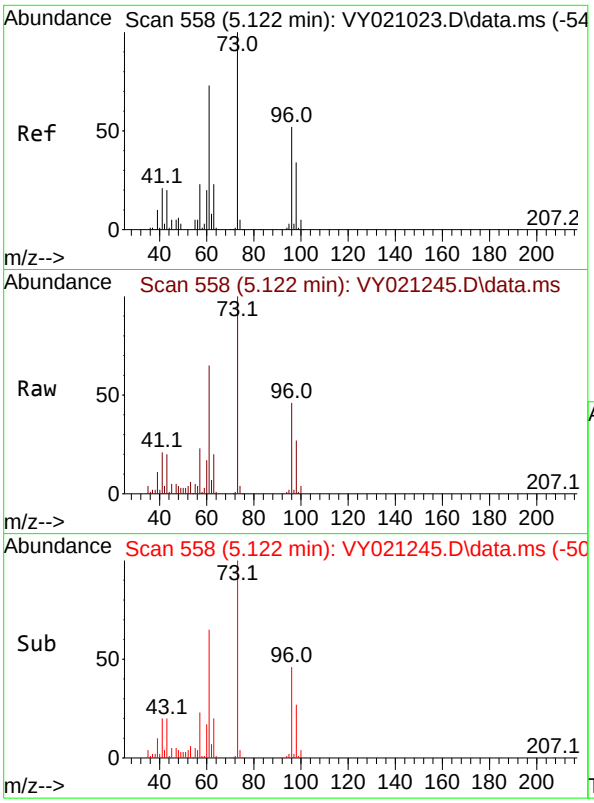




#20
Methylene Chloride
Concen: 57.169 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 84 Resp: 93932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 140.1 | 95.2 | 142.8 |
| 51 | 41.6 | 29.9 | 44.9 |
| 86 | 63.1 | 52.2 | 78.4 |



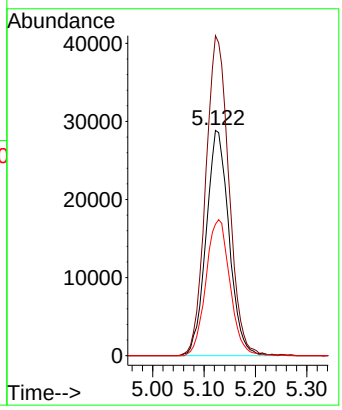


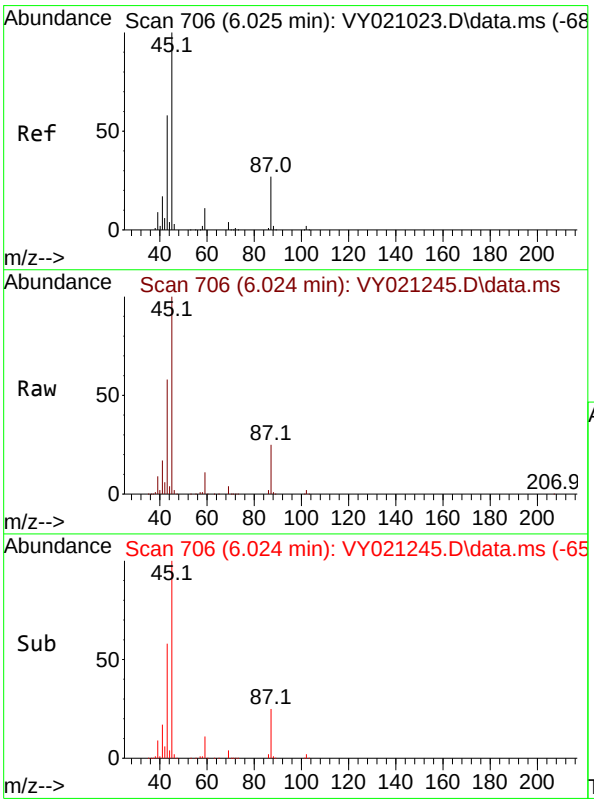

#21
trans-1,2-Dichloroethene
Concen: 51.495 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 89402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.0 | 104.6 | 156.8 |
| 98 | 58.4 | 50.9 | 76.3 |

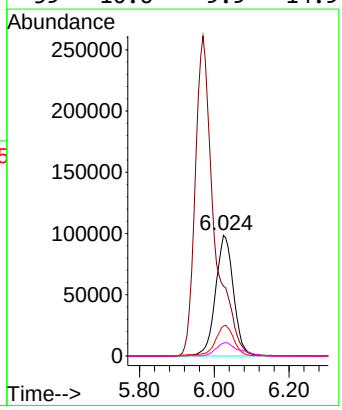


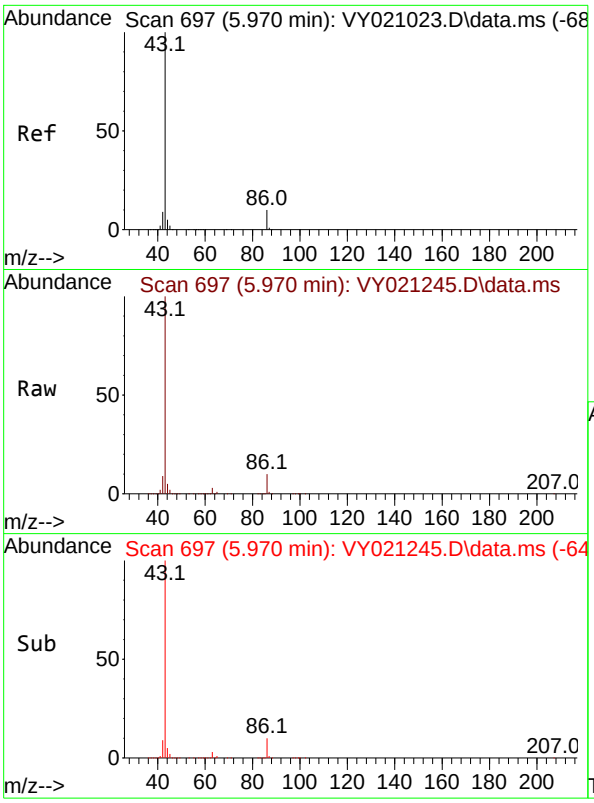




#22
Diisopropyl ether
Concen: 60.006 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 45 Resp: 328775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 57.7 | 46.8 | 70.2 |
| 87 | 24.8 | 22.2 | 33.2 |
| 59 | 10.6 | 9.9 | 14.9 |



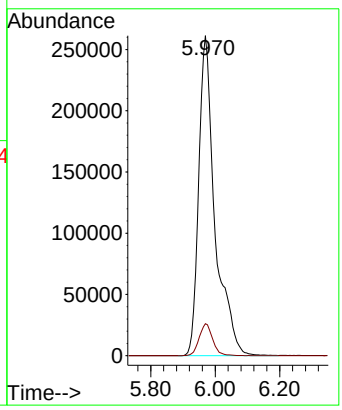


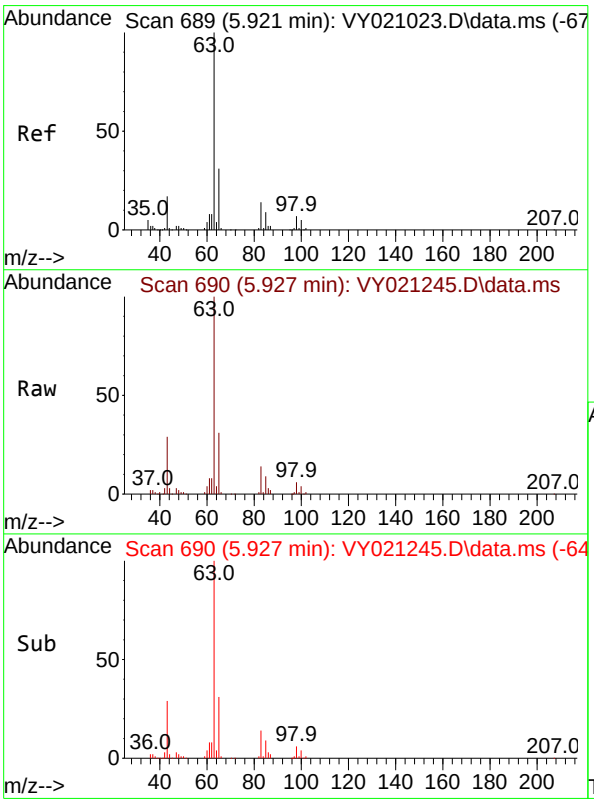

#23
Vinyl Acetate
Concen: 298.467 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 911621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 8.6 | 13.0 |

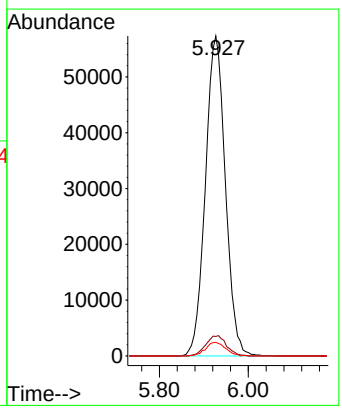


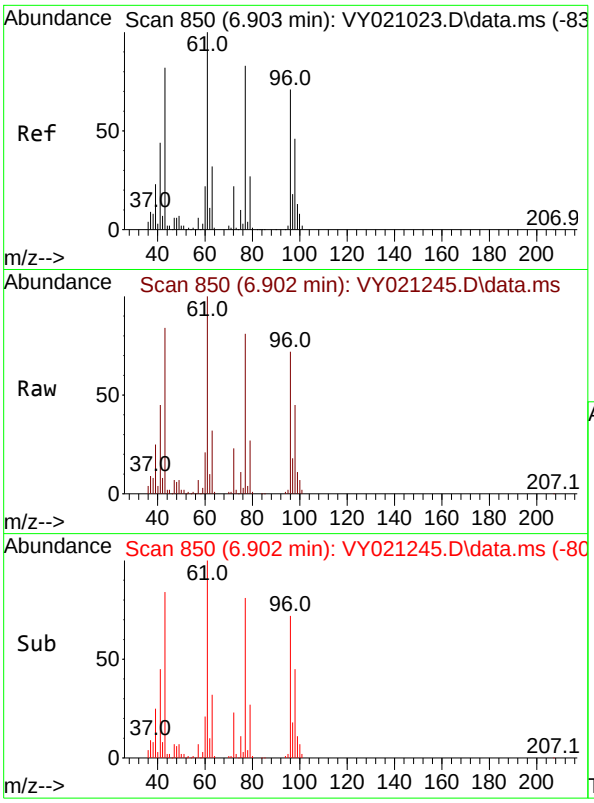




#24
1,1-Dichloroethane
Concen: 55.736 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 63 Resp: 178918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.1 | 3.8 | 11.4 |
| 100 | 4.3 | 2.1 | 6.2 |



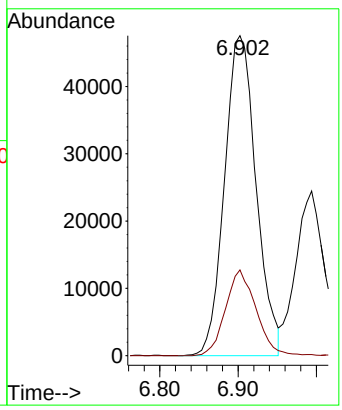


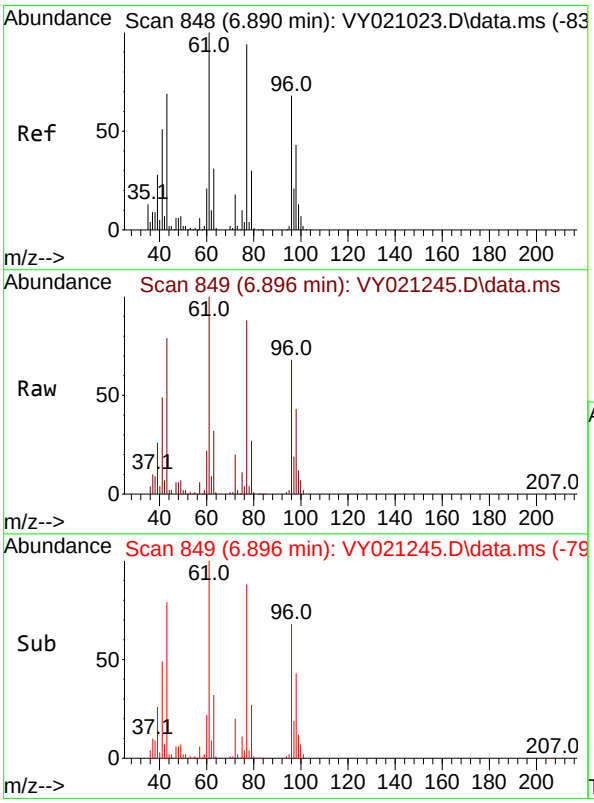

#25
2-Butanone
Concen: 307.203 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 133426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.8 | 21.4 | 32.2 |

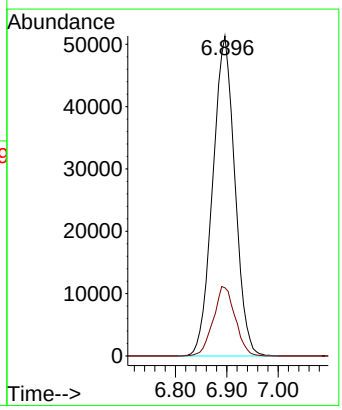


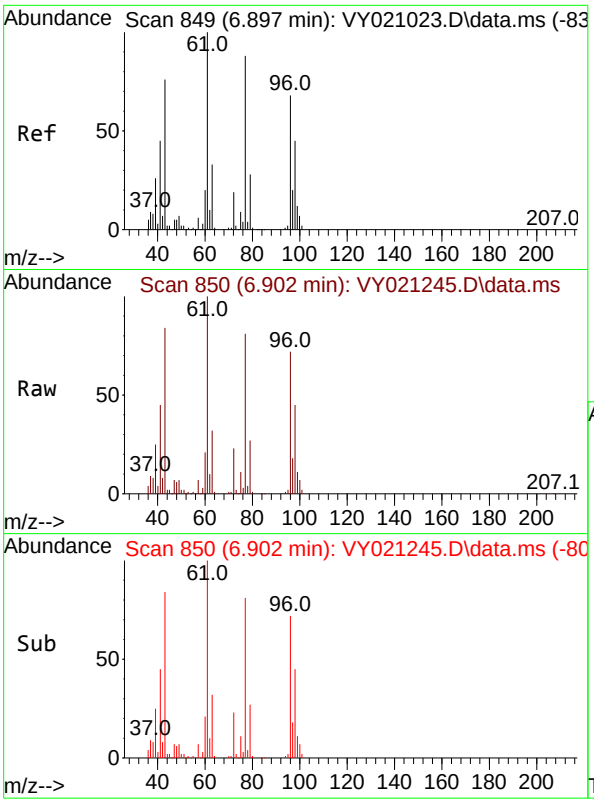




#26
2,2-Dichloropropane
Concen: 51.680 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 77 Resp: 153504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.5 | 11.7 | 35.0 |



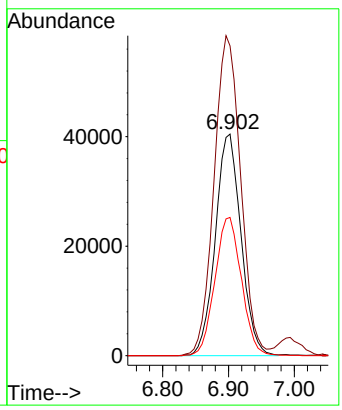


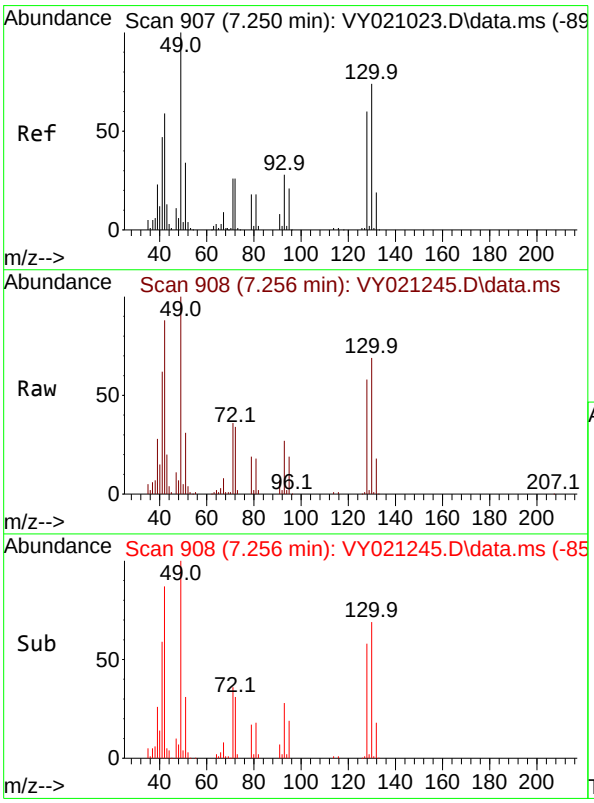

#27
cis-1,2-Dichloroethene
Concen: 55.122 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 110153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.4 | 0.0 | 278.8 |
| 98 | 64.3 | 0.0 | 127.0 |

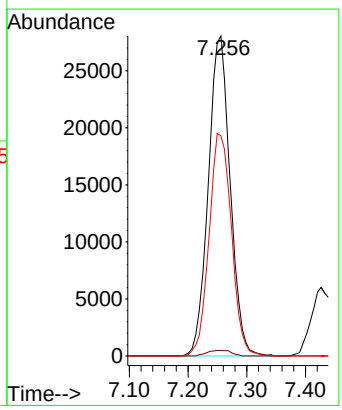


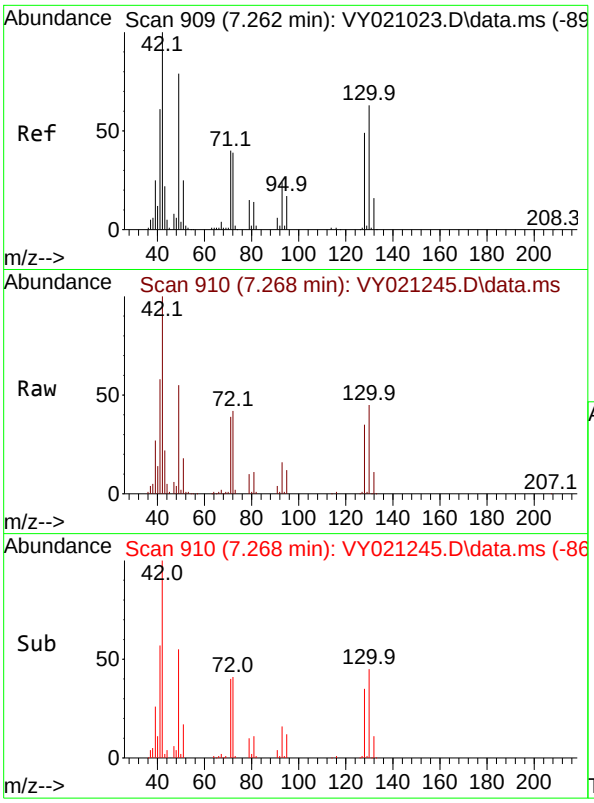




#28
Bromochloromethane
Concen: 57.089 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 49 Resp: 72467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 71.1 | 59.8 | 89.8 |



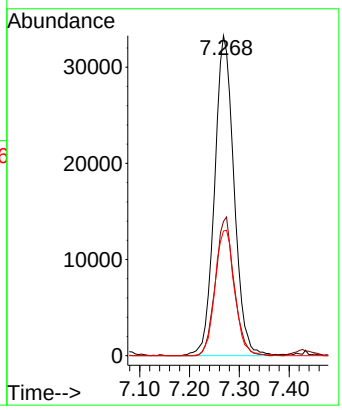


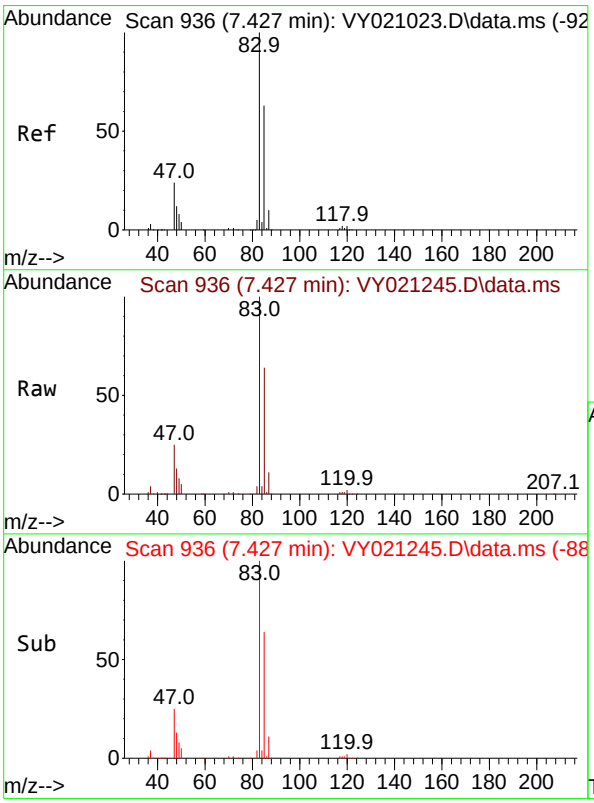

#29
Tetrahydrofuran
Concen: 307.460 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 90360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.5 | 36.6 | 54.8 |
| 71 | 39.4 | 33.8 | 50.6 |

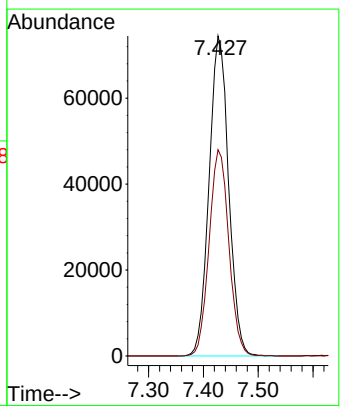


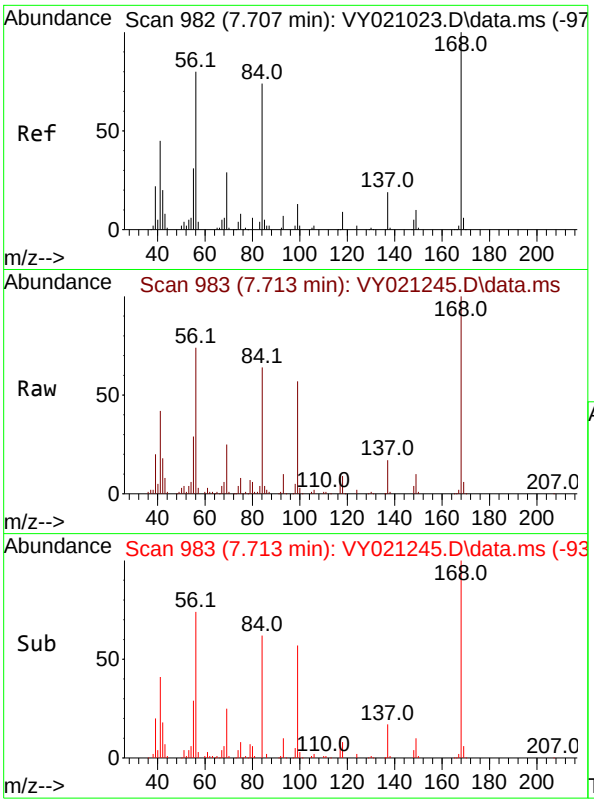




#30
Chloroform
Concen: 55.908 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 83 Resp: 184343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.2 | 76.8 |



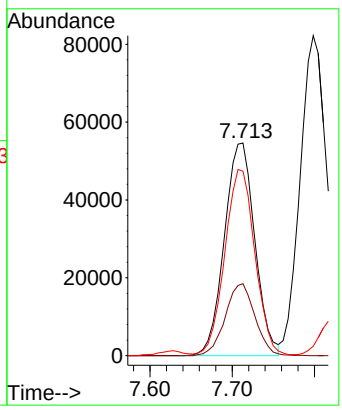


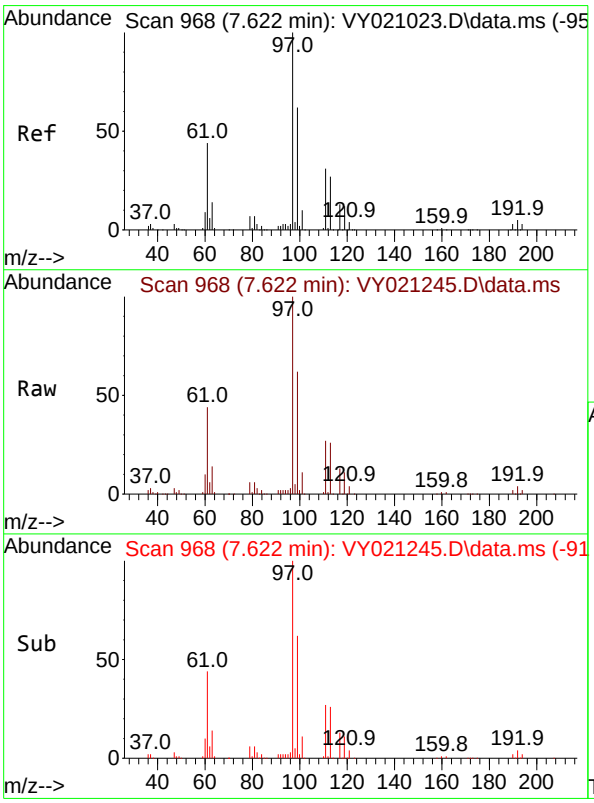

#31
Cyclohexane
Concen: 48.715 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 140823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.9 | 27.0 | 40.6 |
| 84 | 84.8 | 71.8 | 107.6 |

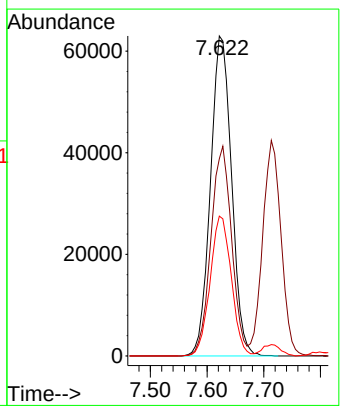


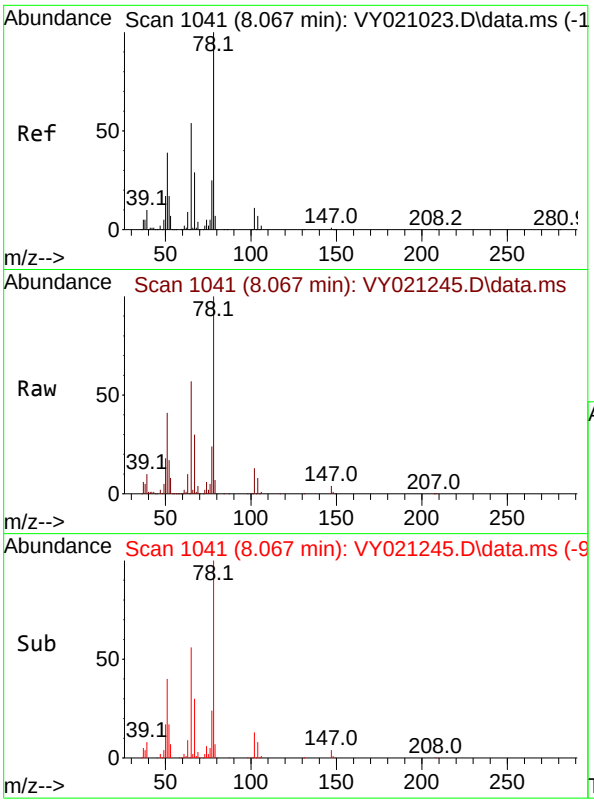




#32
1,1,1-Trichloroethane
Concen: 53.040 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 97 Resp: 162598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.6 | 51.2 | 76.8 |
| 61 | 43.9 | 35.0 | 52.6 |



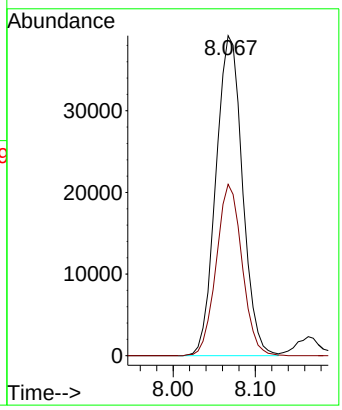


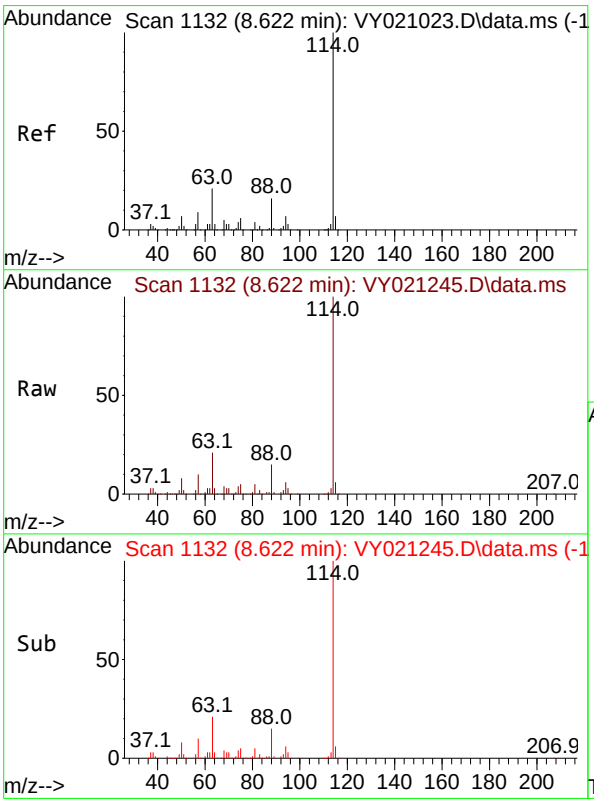

#33
1,2-Dichloroethane-d4
Concen: 51.982 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 88101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 109.0 |

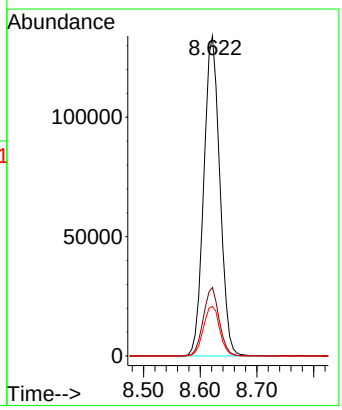


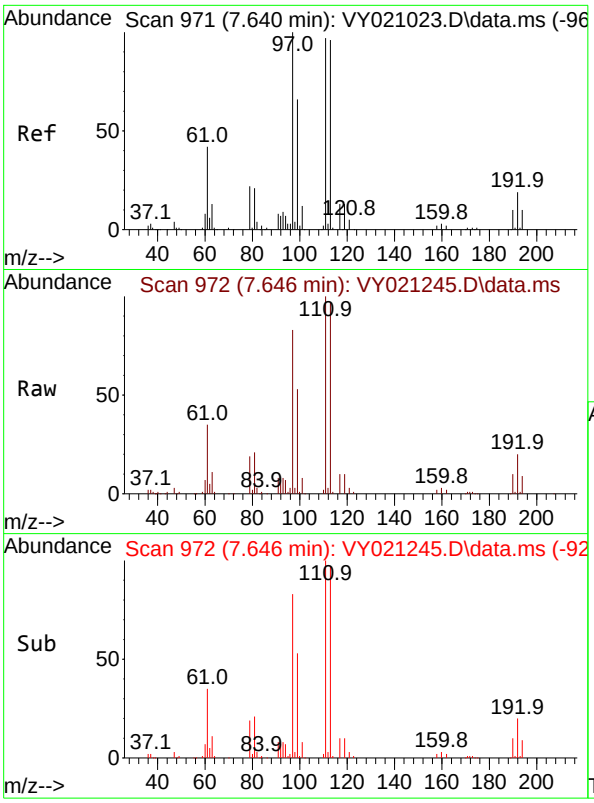




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:114 Resp: 263329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 37.4 |
| 88 | 15.4 | 0.0 | 29.0 |



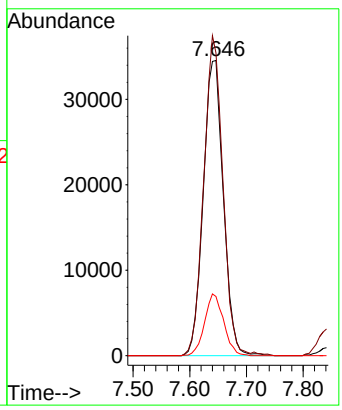


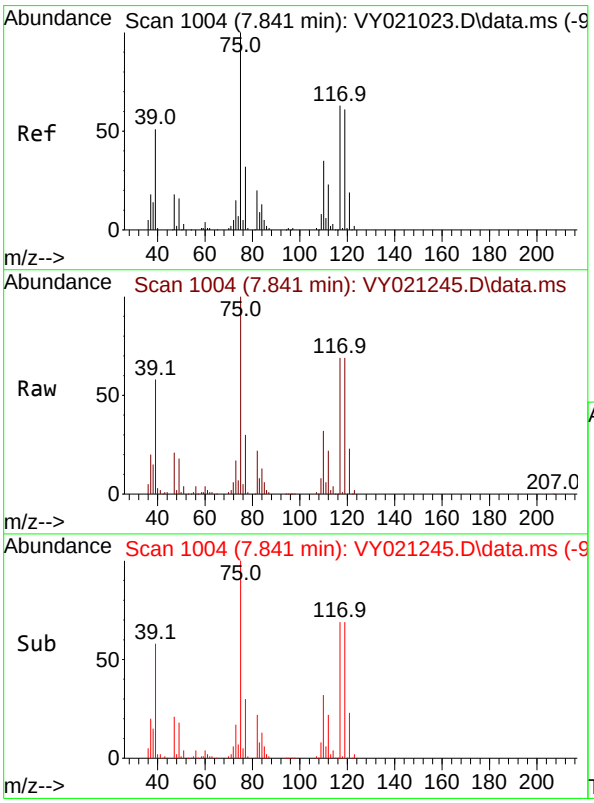

#35
Dibromofluoromethane
Concen: 50.351 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 84971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 83.8 | 125.6 |
| 192 | 19.9 | 14.5 | 21.7 |

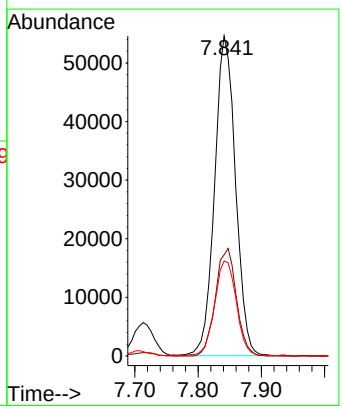


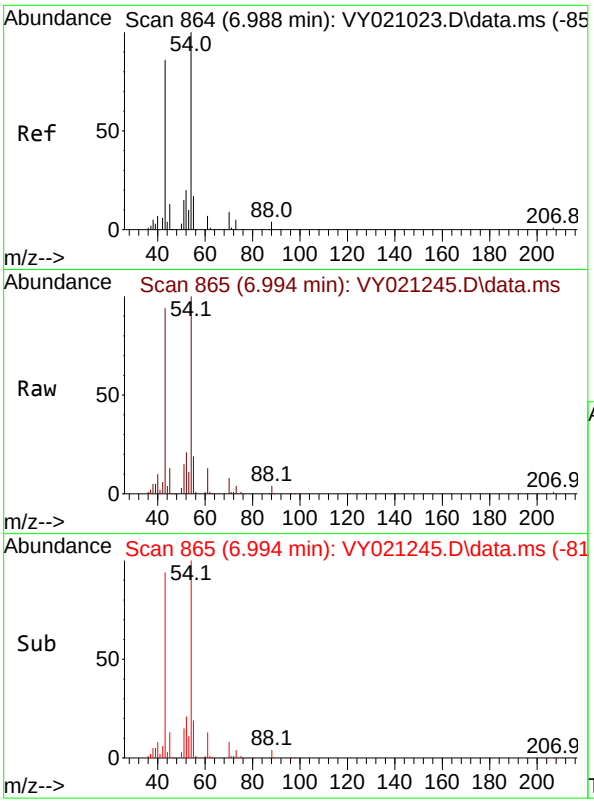




#36
1,1-Dichloropropene
Concen: 50.046 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 125097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.7 | 17.4 | 52.3 |
| 77 | 31.0 | 24.7 | 37.1 |



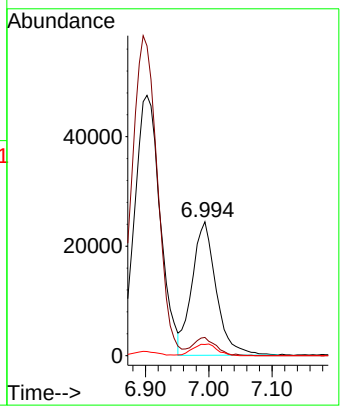


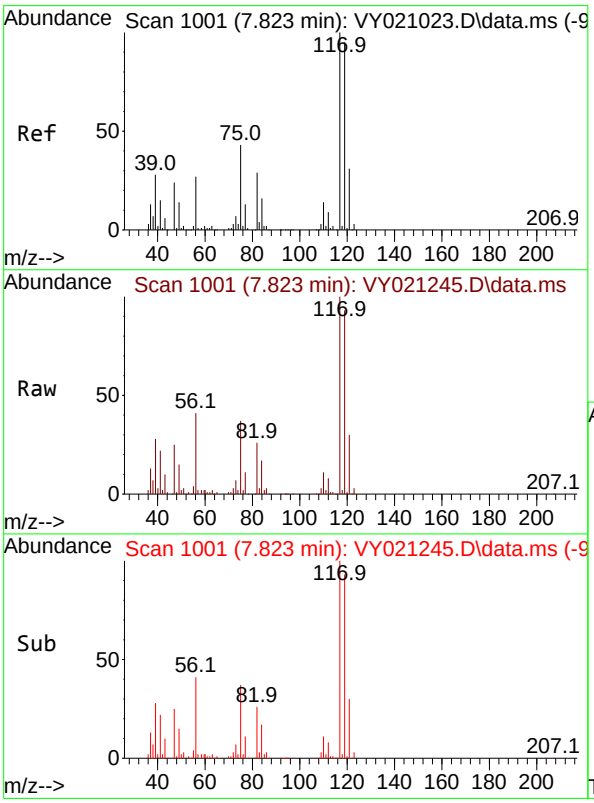

#37
Ethyl Acetate
Concen: 59.007 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 64705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.8 | 11.0 | 16.6 |
| 70 | 8.9 | 8.1 | 12.1 |

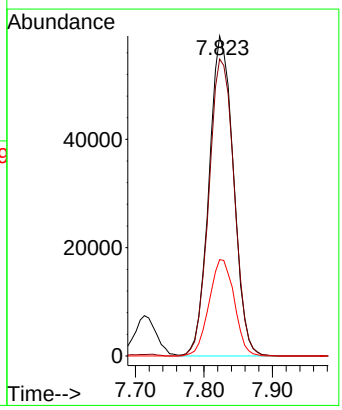


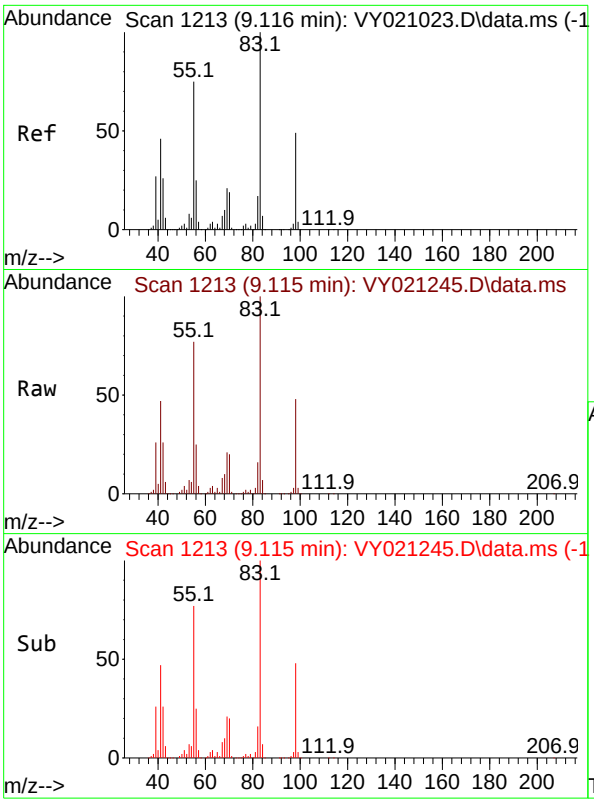




#38
Carbon Tetrachloride
Concen: 50.141 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:117 Resp: 146445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.8 | 76.0 | 114.0 |
| 121 | 30.1 | 24.2 | 36.2 |



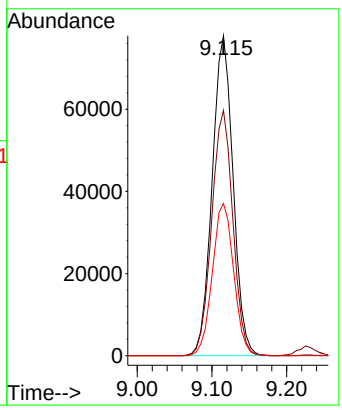


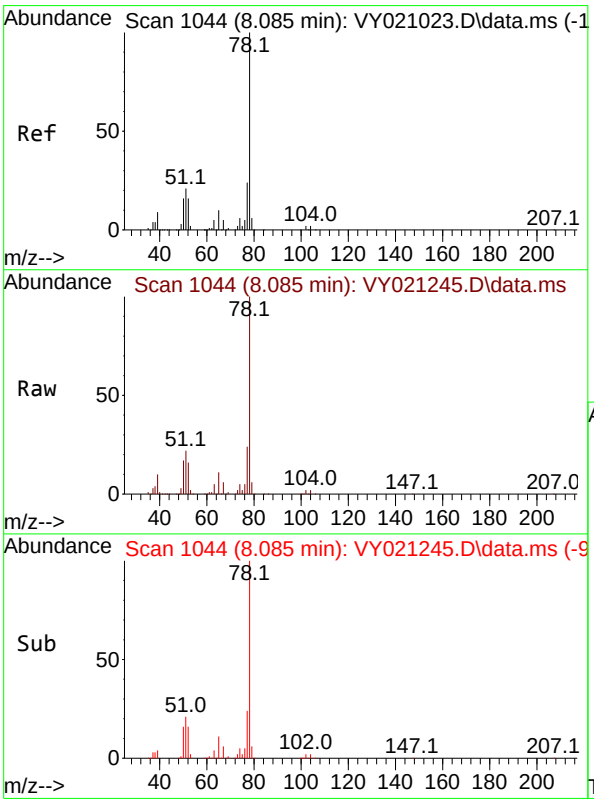

#39
Methylcyclohexane
Concen: 49.660 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 151836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.7 | 59.7 | 89.5 |
| 98 | 47.6 | 38.0 | 57.0 |

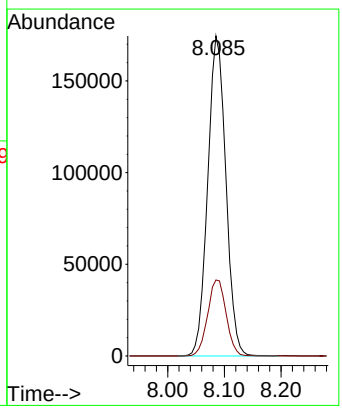


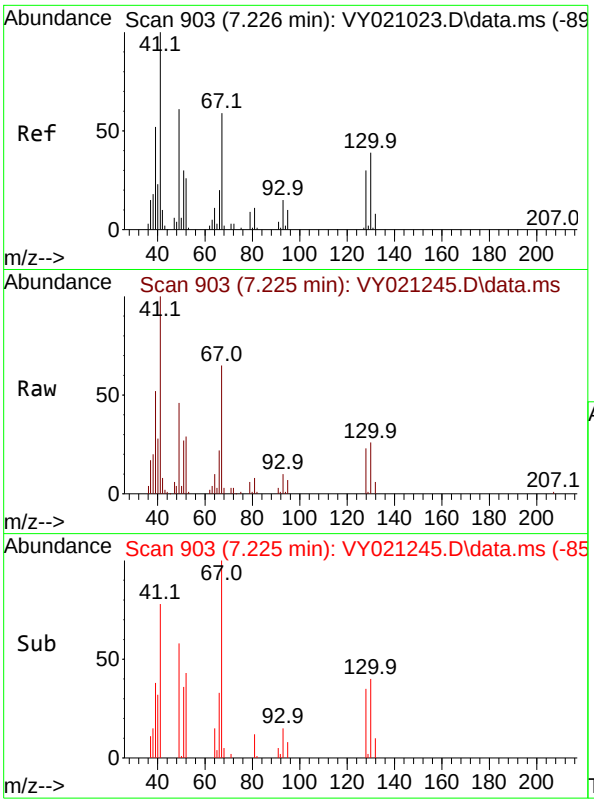




#40
Benzene
Concen: 52.834 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 78 Resp: 387558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 18.8 | 28.2 |



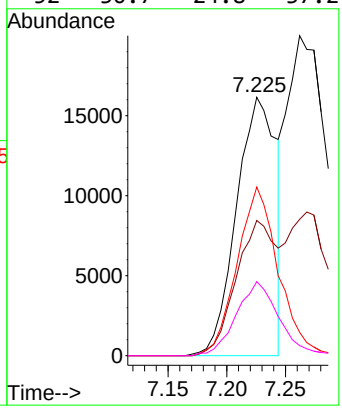


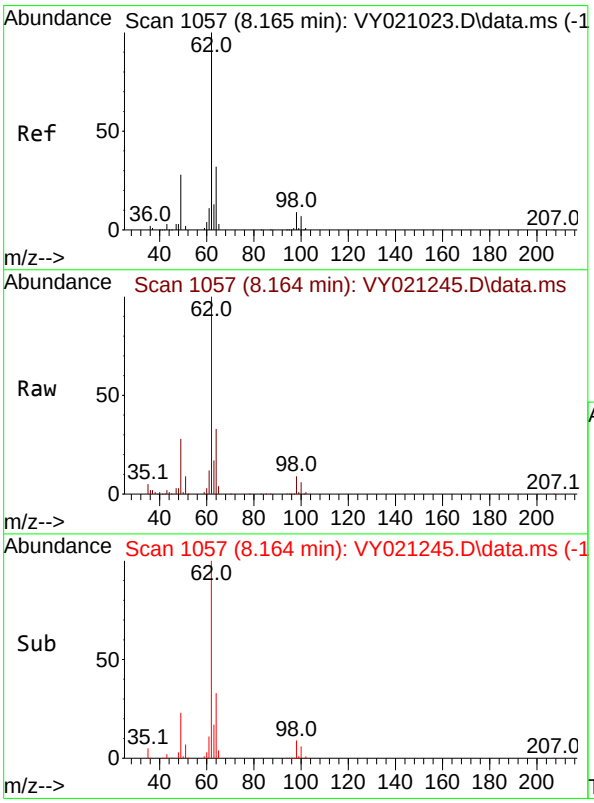

#41
Methacrylonitrile
Concen: 59.955 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 38035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.4 | 41.9 | 62.9 |
| 67 | 68.3 | 59.8 | 89.6 |
| 52 | 30.7 | 24.8 | 37.2 |

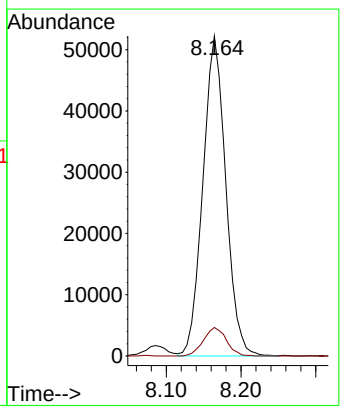


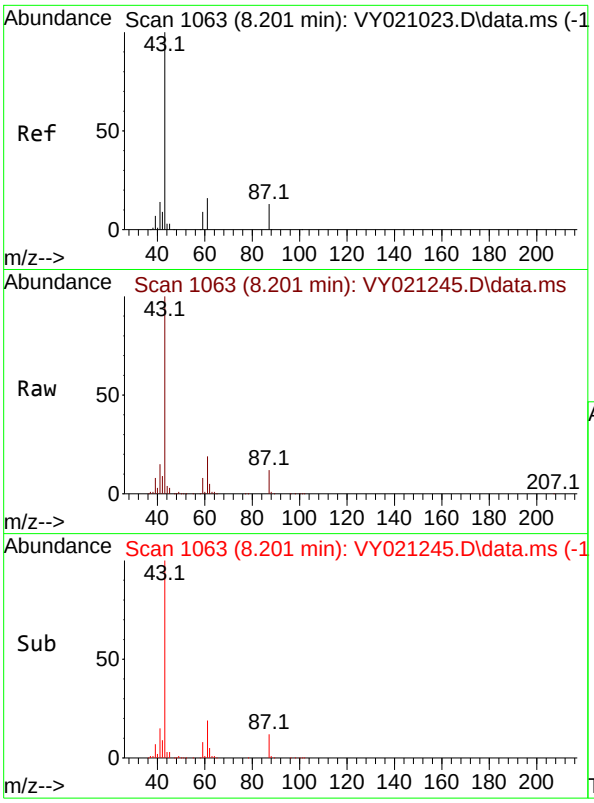




#42
1,2-Dichloroethane
Concen: 54.630 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 62 Resp: 111164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 20.2 |



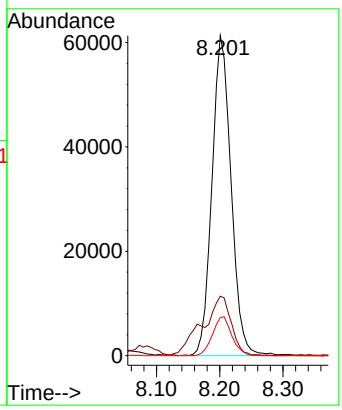


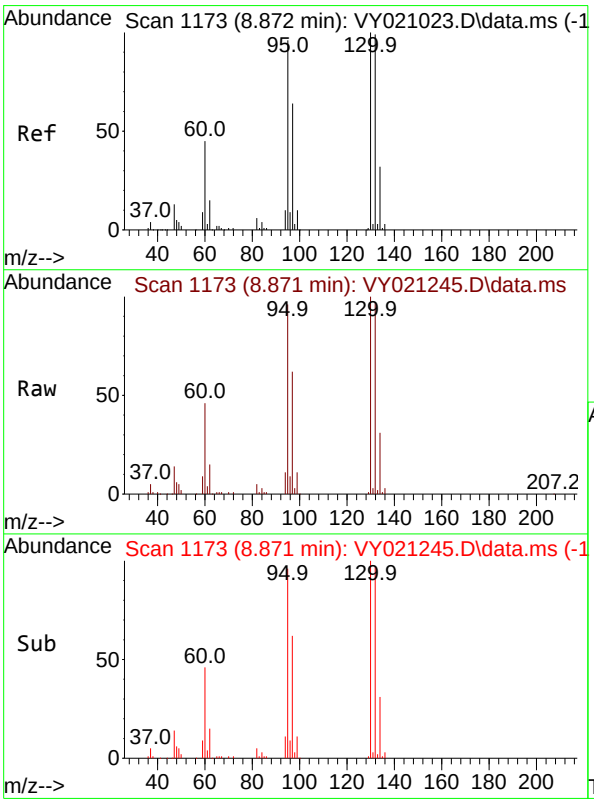

#43
Isopropyl Acetate
Concen: 59.061 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 128687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 28.2 | 24.8 | 37.2 |
| 87 | 12.3 | 10.7 | 16.1 |

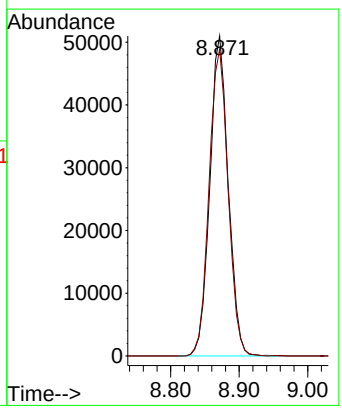


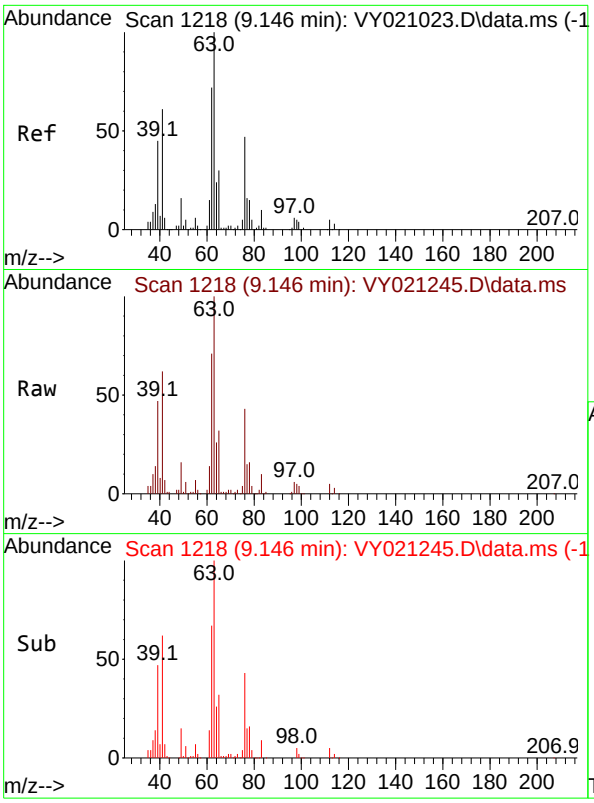




#44
Trichloroethene
Concen: 50.349 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:130 Resp: 95421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.9 | 0.0 | 203.8 |



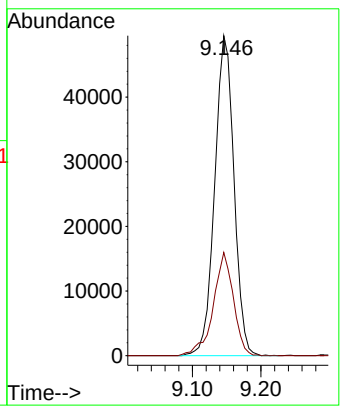


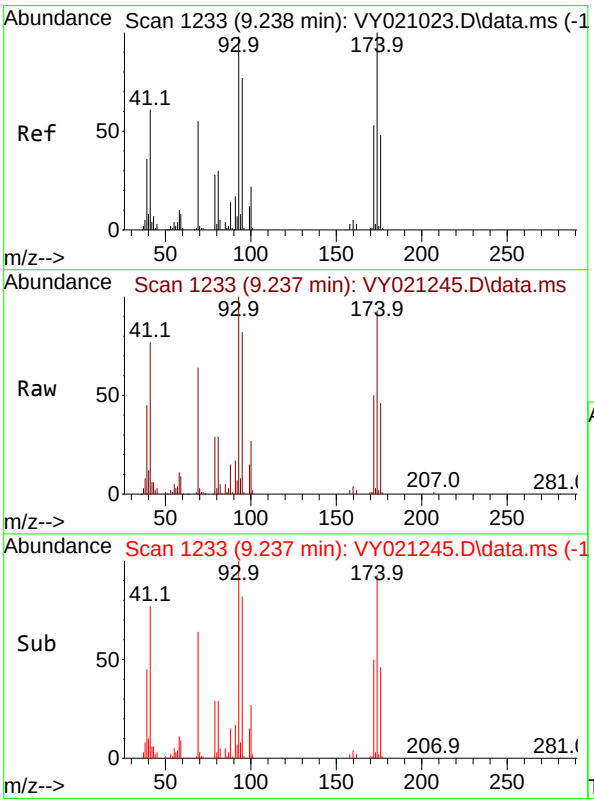

#45
1,2-Dichloropropane
Concen: 55.433 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 96514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.2 | 24.6 | 36.8 |

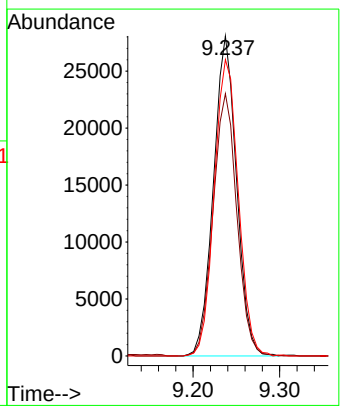


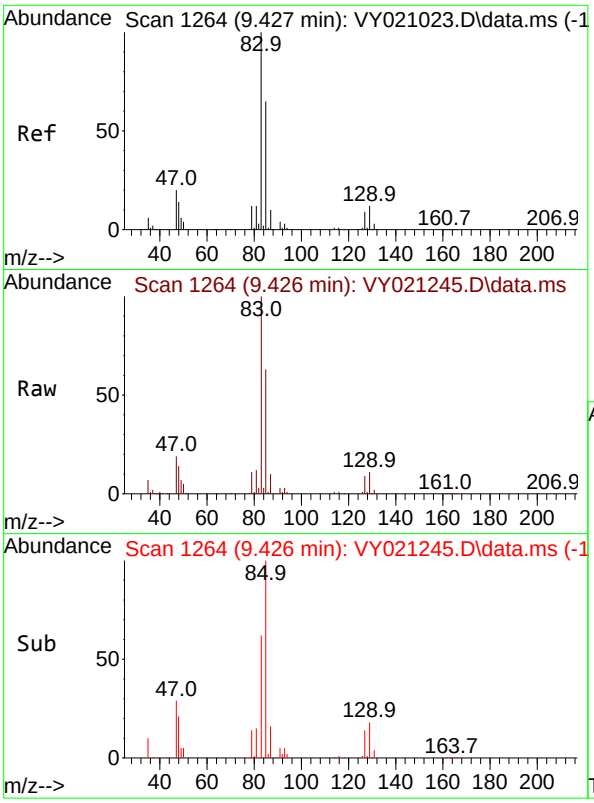




#46
Dibromomethane
Concen: 54.018 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 93 Resp: 52073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 66.6 | 99.8 |
| 174 | 96.5 | 73.8 | 110.6 |



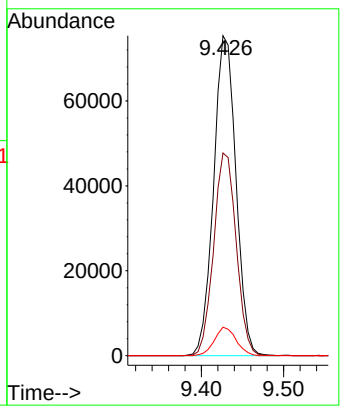


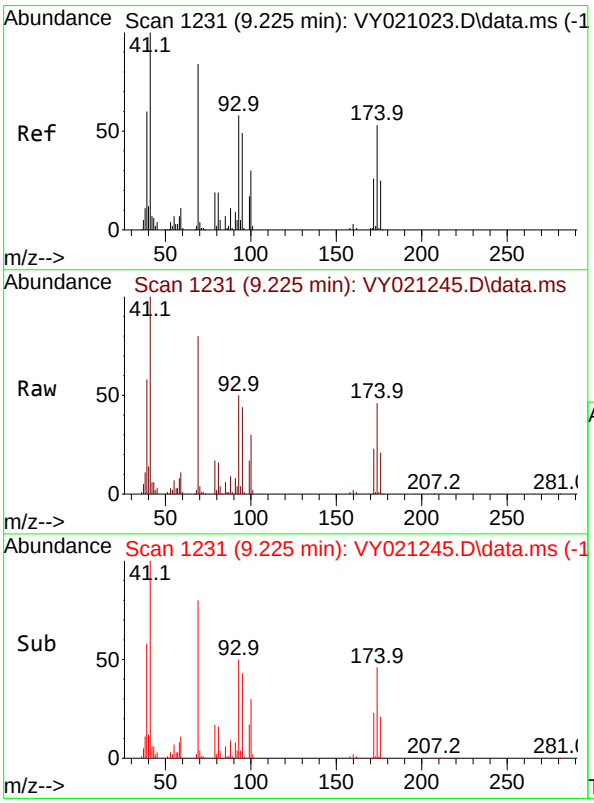

#47
Bromodichloromethane
Concen: 55.072 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 142381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.3 | 53.2 | 79.8 |
| 127 | 8.9 | 6.4 | 9.6 |

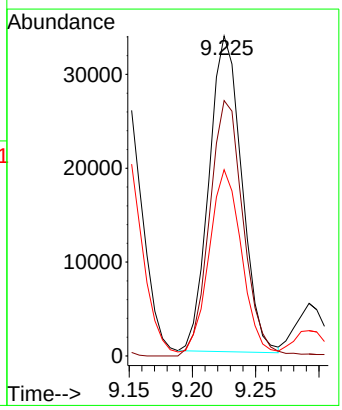


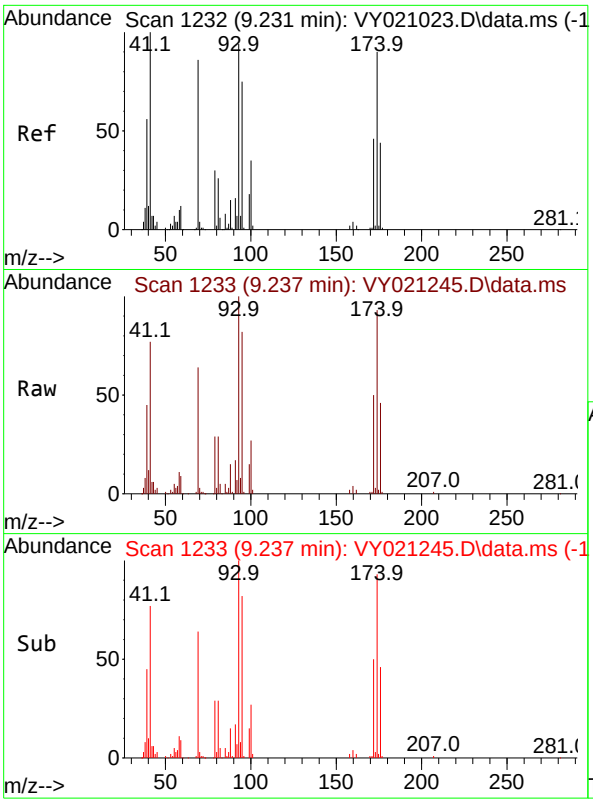




#48
Methyl methacrylate
Concen: 60.916 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 41 Resp: 60459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.0 | 72.1 | 108.1 |
| 39 | 56.6 | 42.8 | 64.2 |



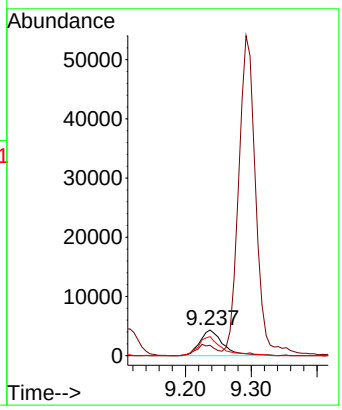


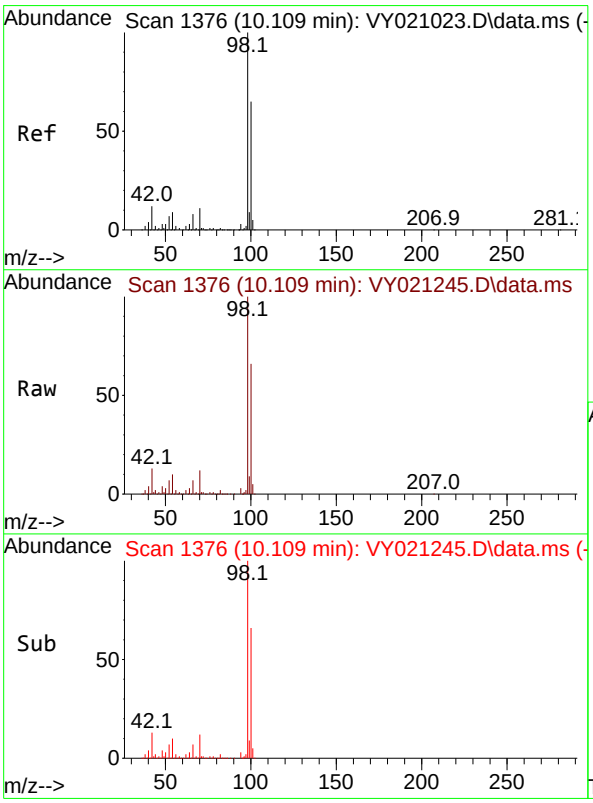

#49
1,4-Dioxane
Concen: 1192.209 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 10699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.8 | 28.2 | 42.4 |
| 58 | 75.6 | 52.2 | 78.2 |

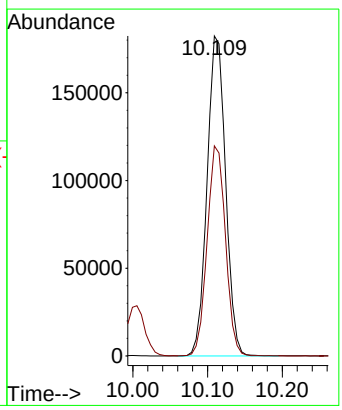


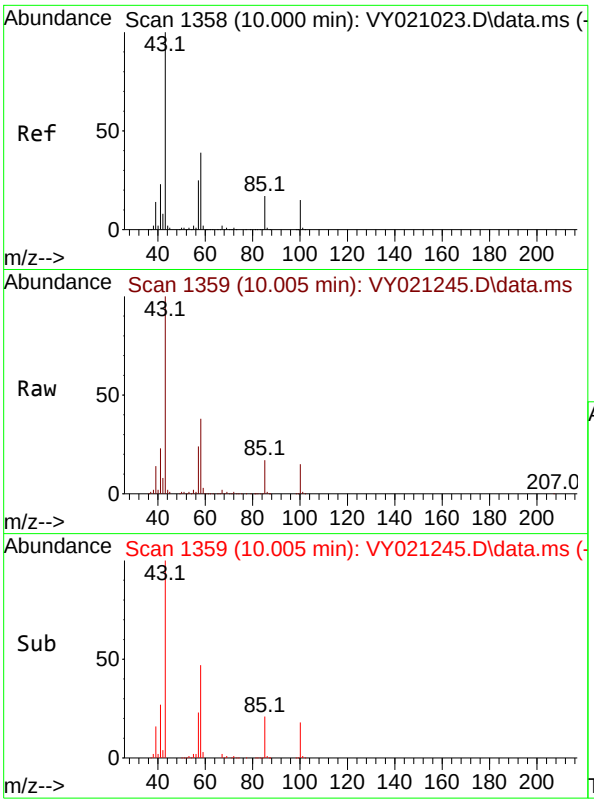




#50
Toluene-d8
Concen: 48.967 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 98 Resp: 314603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 52.3 | 78.5 |



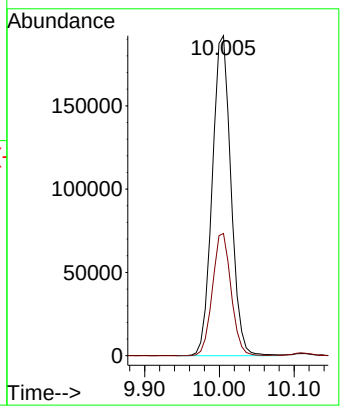


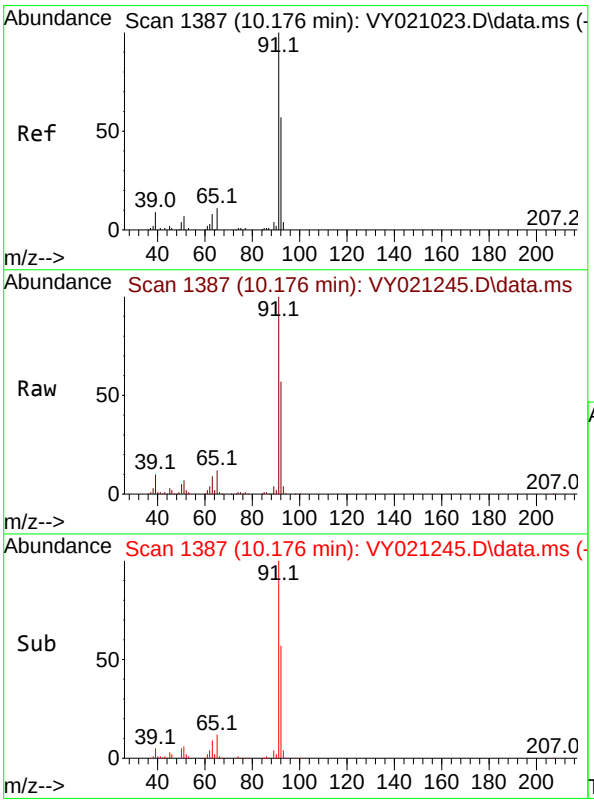

#51
4-Methyl-2-Pentanone
Concen: 305.302 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 334517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.2 | 32.2 | 48.2 |

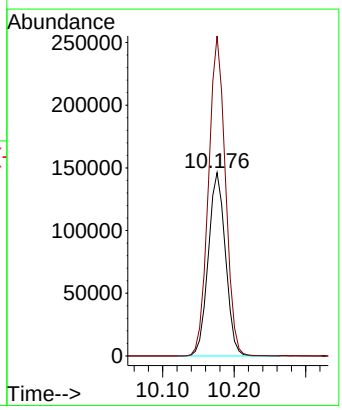


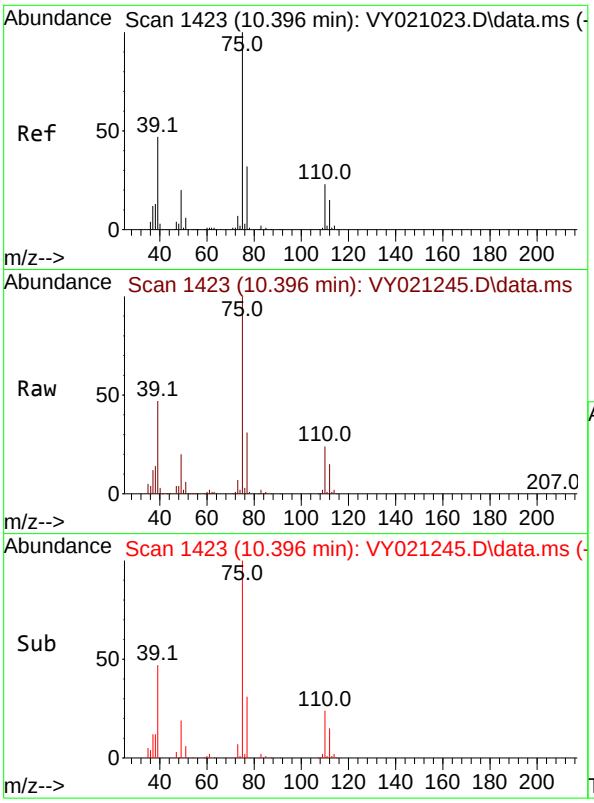




#52
Toluene
Concen: 52.845 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 92 Resp: 243403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.2 | 137.6 | 206.4 |



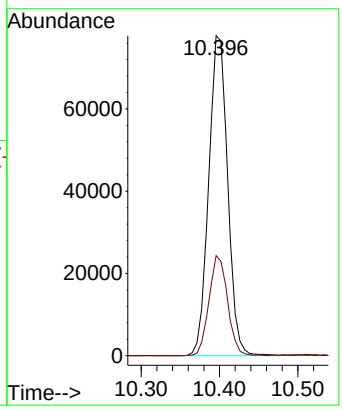


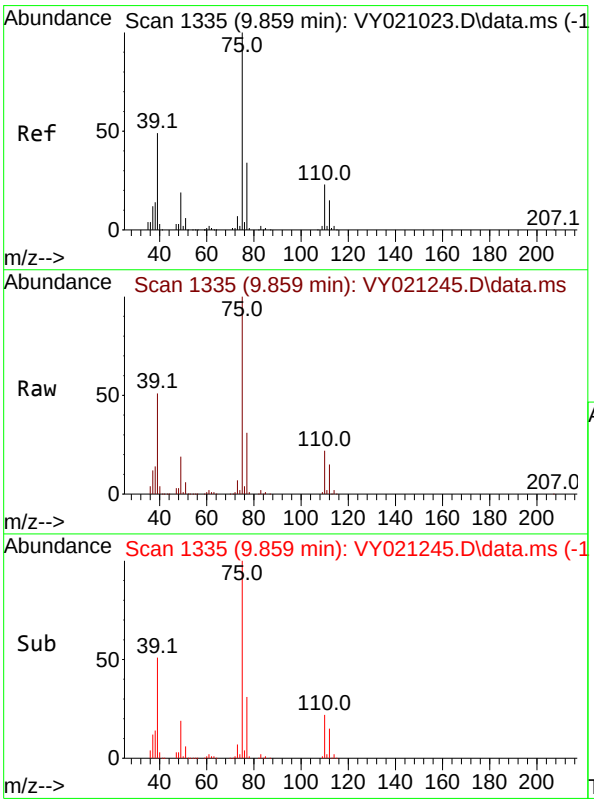

#53
t-1,3-Dichloropropene
Concen: 56.333 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 130776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 24.6 | 36.8 |

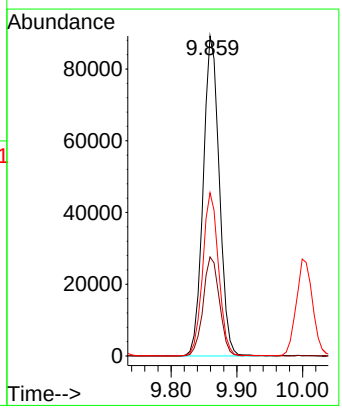


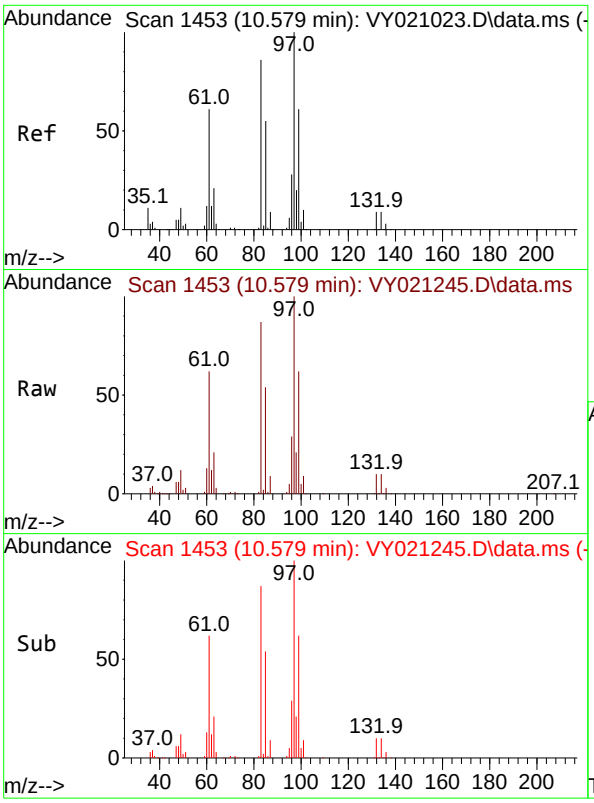




#54
cis-1,3-Dichloropropene
Concen: 55.321 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 152060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 24.6 | 36.8 |
| 39 | 50.9 | 33.6 | 50.4# |



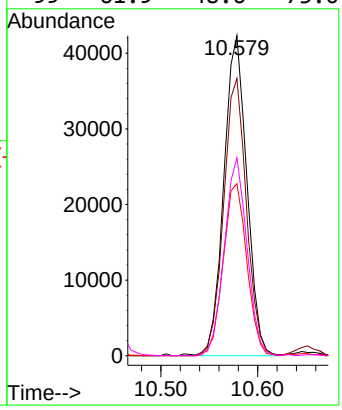


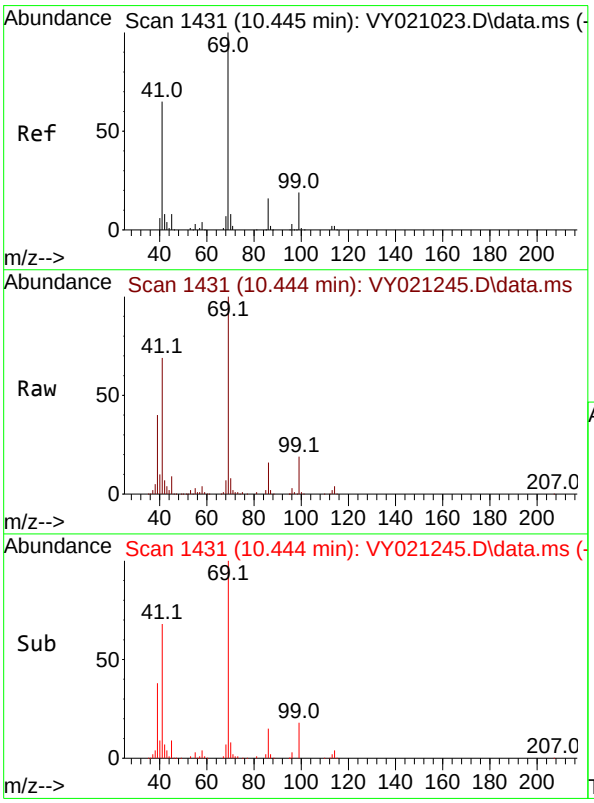

#55
1,1,2-Trichloroethane
Concen: 55.990 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 69894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.6 | 69.4 | 104.2 |
| 85 | 53.8 | 43.9 | 65.9 |
| 99 | 61.9 | 48.6 | 73.0 |

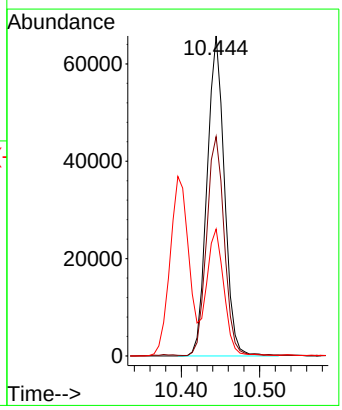


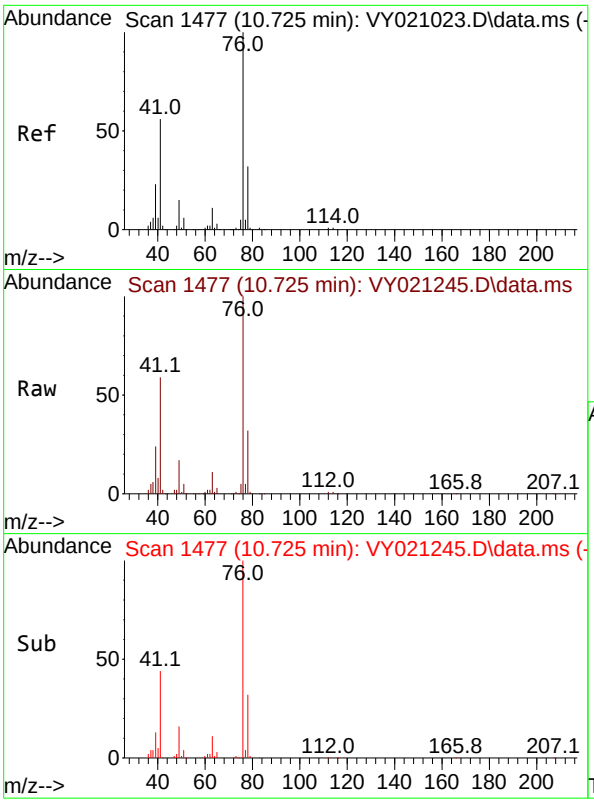




#56
Ethyl methacrylate
Concen: 60.418 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 69 Resp: 100897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.9 | 49.2 | 73.8 |
| 39 | 39.5 | 26.8 | 40.2 |



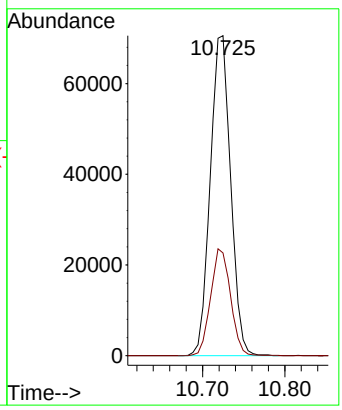


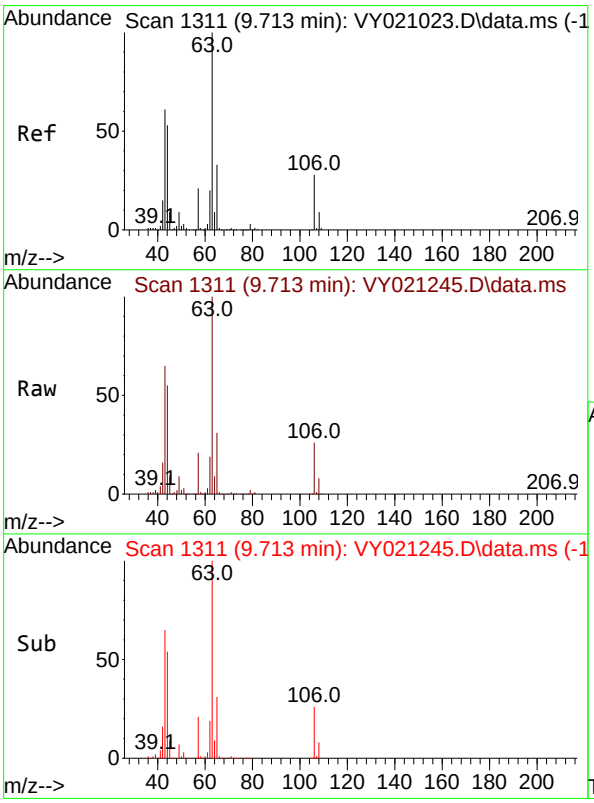

#57
1,3-Dichloropropane
Concen: 56.213 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 121459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.1 | 39.1 |

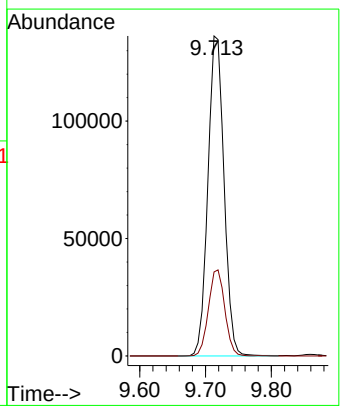


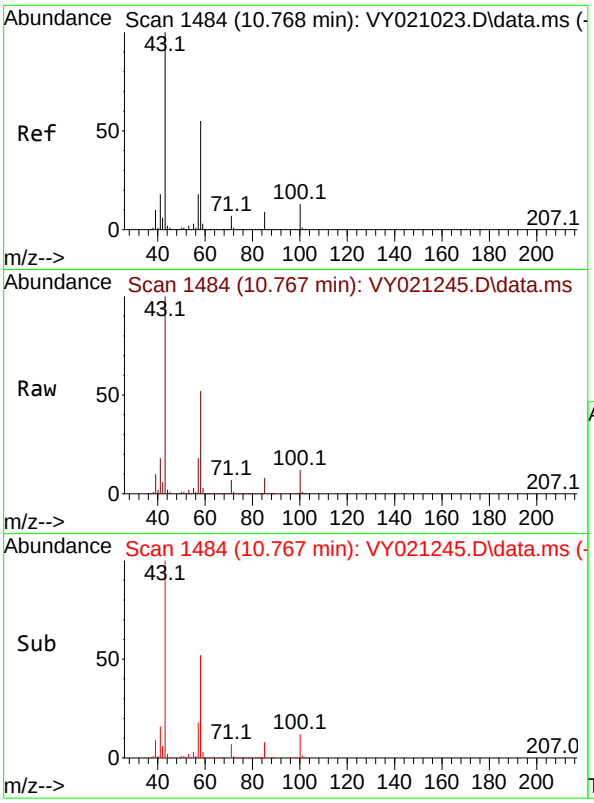




#58
2-Chloroethyl Vinyl ether
Concen: 292.814 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 63 Resp: 232635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 22.4 | 33.6 |



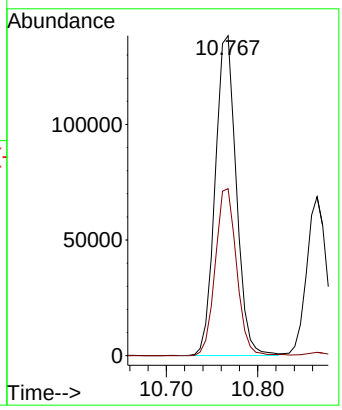


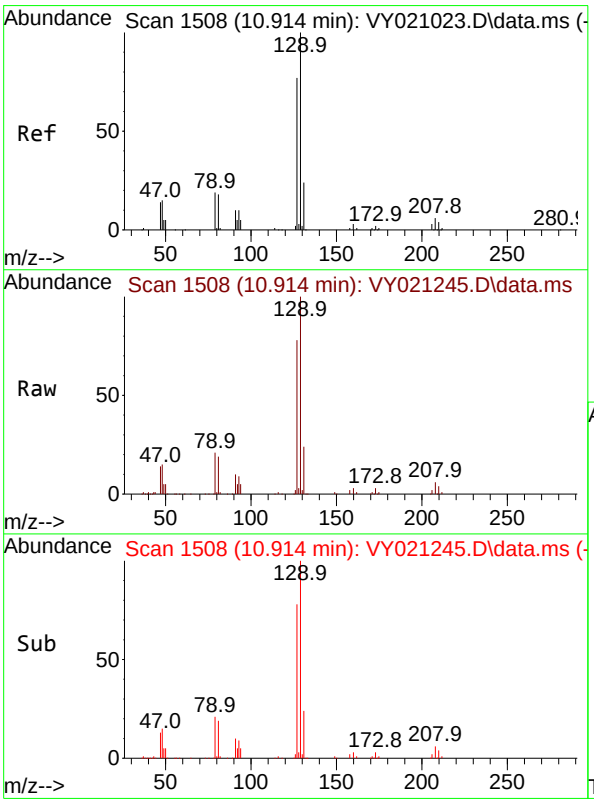

#59
2-Hexanone
Concen: 315.458 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 222547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.7 | 28.1 | 84.3 |

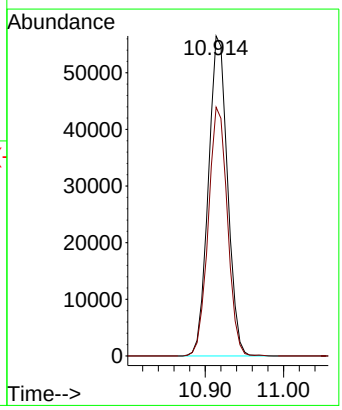


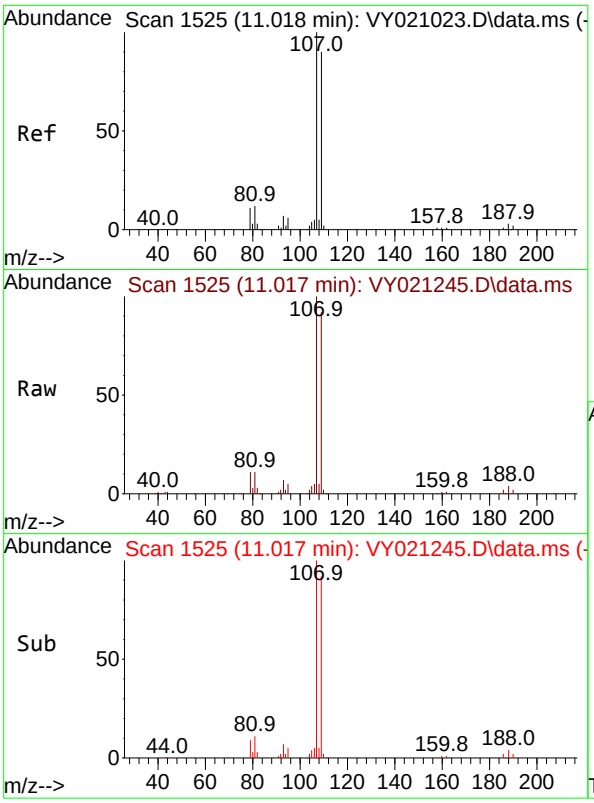




#60
Dibromochloromethane
Concen: 54.651 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:129 Resp: 95808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 39.2 | 117.6 |



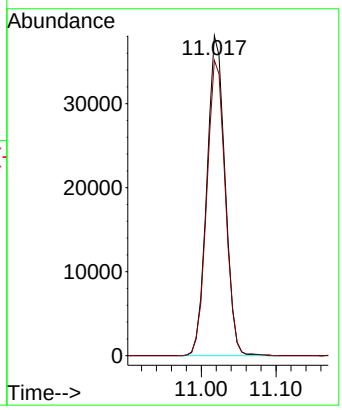


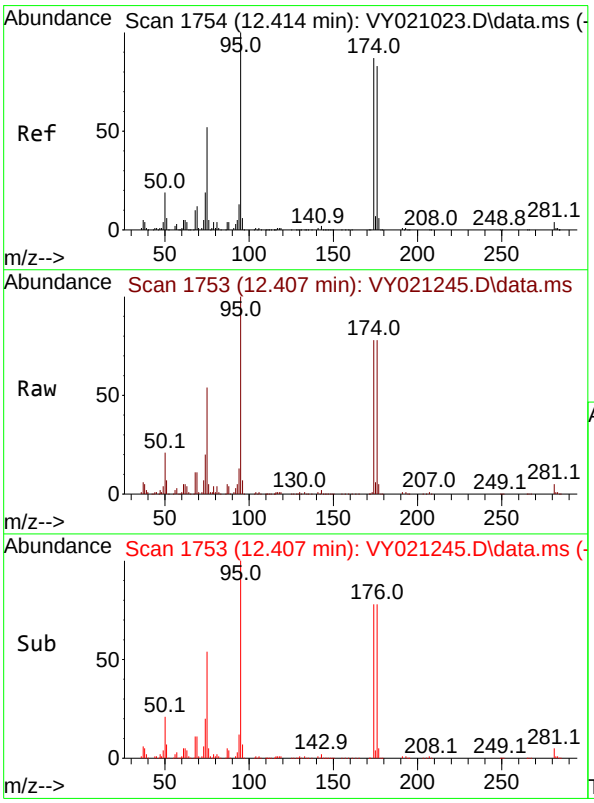

#61
1,2-Dibromoethane
Concen: 54.863 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 64150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 75.4 | 113.2 |

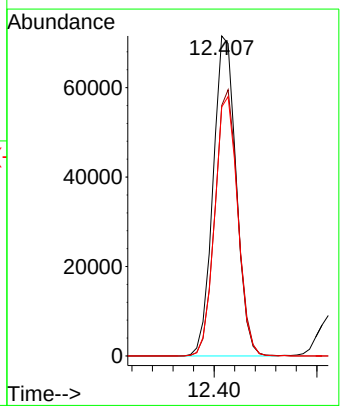


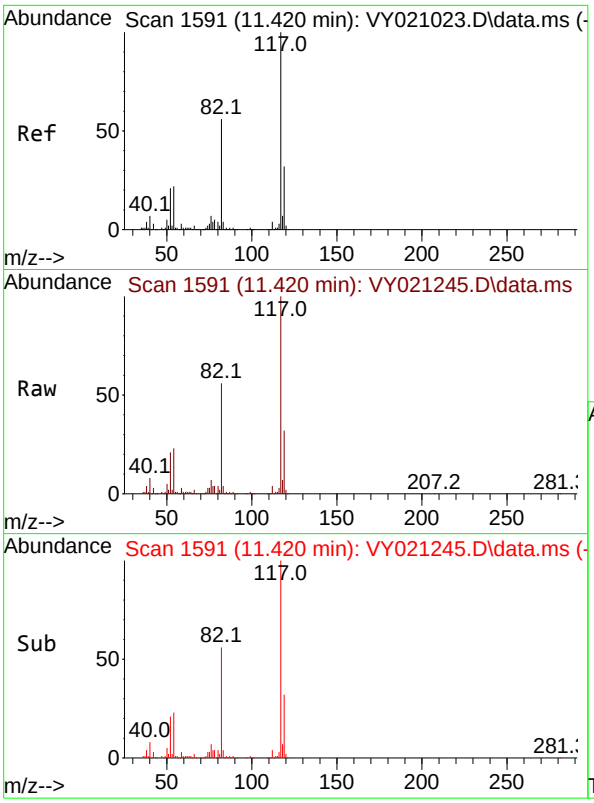




#62
4-Bromofluorobenzene
Concen: 53.035 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 95 Resp: 111317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.2 | 0.0 | 160.0 |
| 176 | 80.7 | 0.0 | 151.8 |



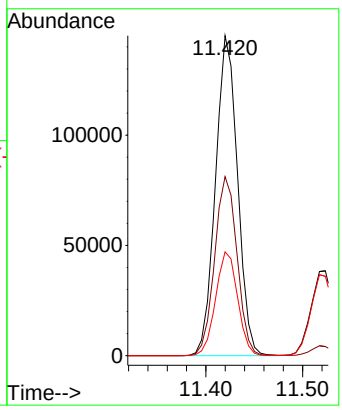


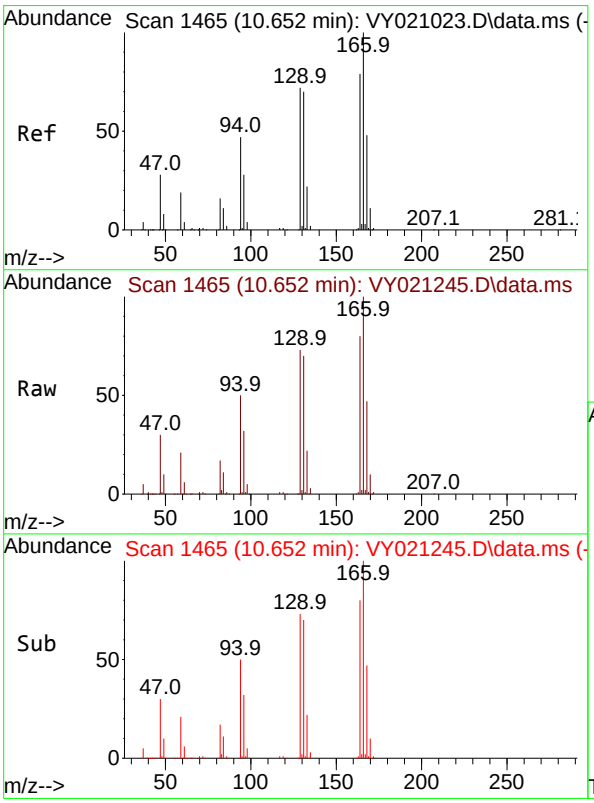

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 229757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 43.8 | 65.8 |
| 119 | 32.5 | 26.5 | 39.7 |

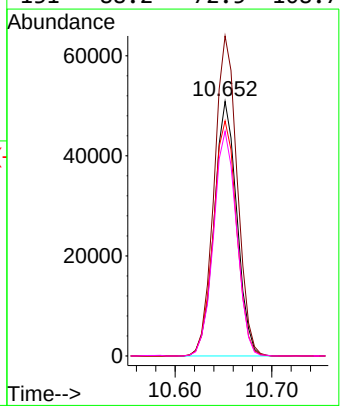


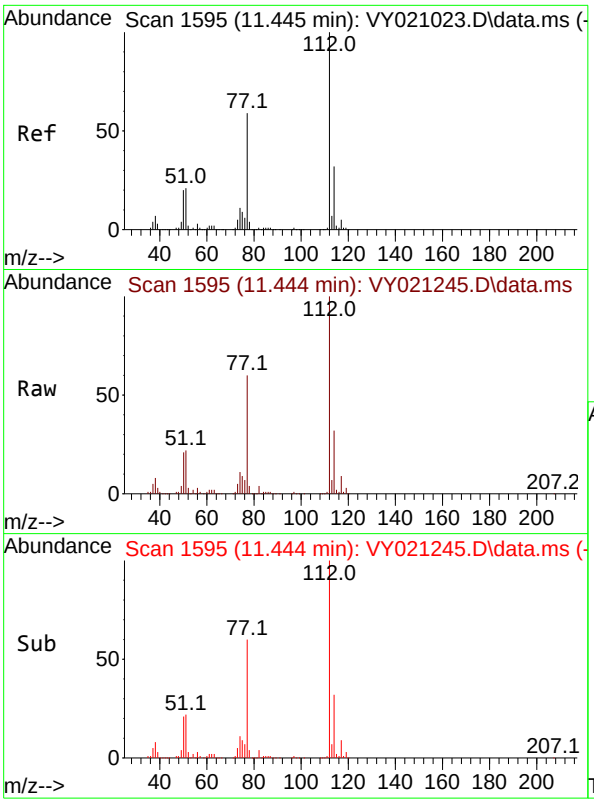




#64
Tetrachloroethene
Concen: 48.585 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:164 Resp: 82866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.7 | 98.8 | 148.2 |
| 129 | 92.3 | 78.9 | 118.3 |
| 131 | 88.2 | 72.5 | 108.7 |



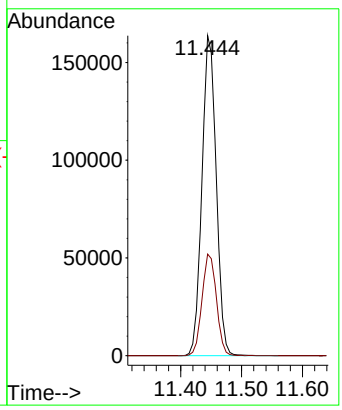


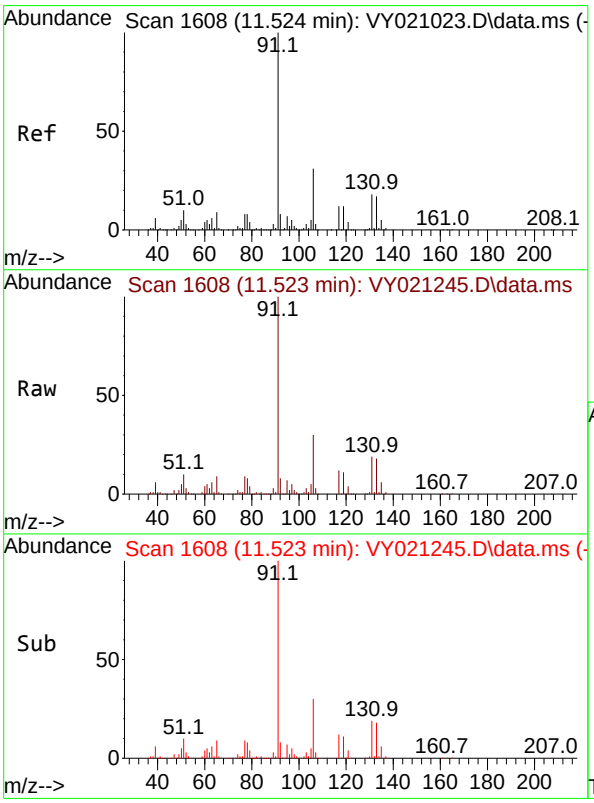

#65
Chlorobenzene
Concen: 52.099 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 266534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 26.1 | 39.1 |

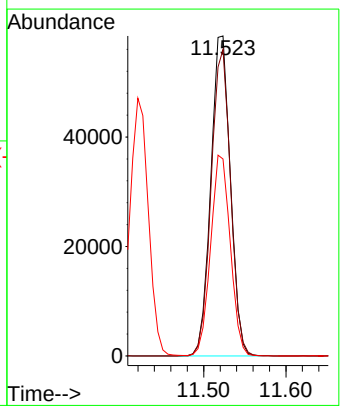


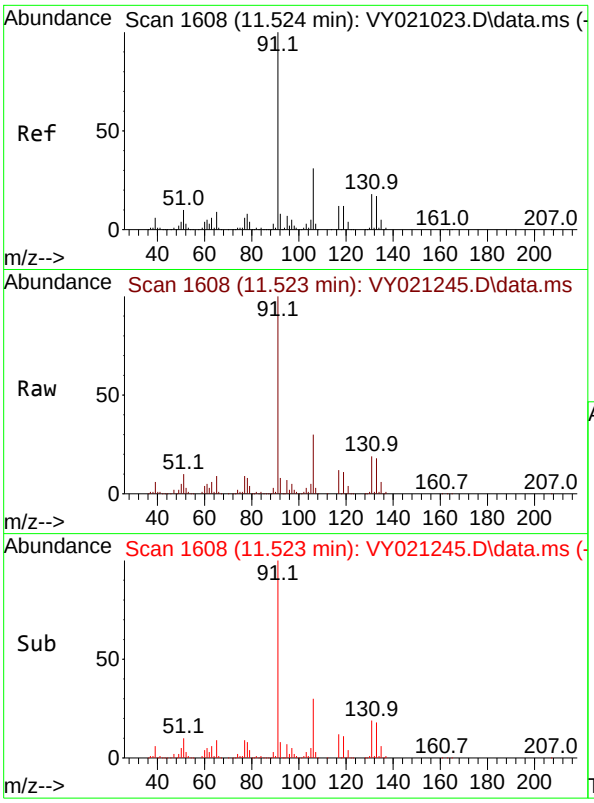




#66
1,1,1,2-Tetrachloroethane
Concen: 53.372 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:131 Resp: 97033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.1 | 47.0 | 141.0 |
| 119 | 63.1 | 33.3 | 99.9 |



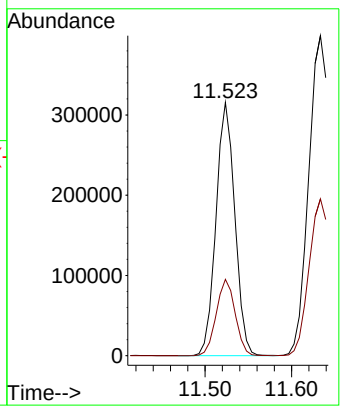


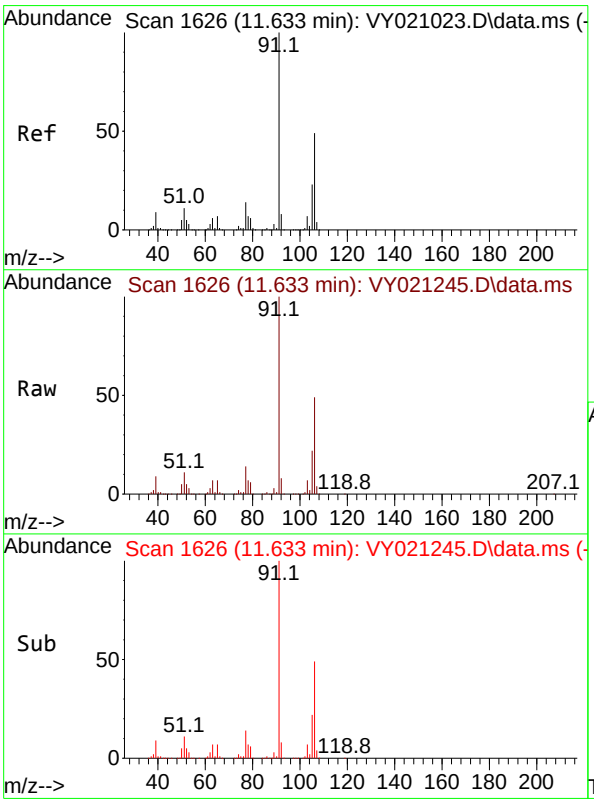

#67
Ethyl Benzene
Concen: 52.665 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 476554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 25.0 | 37.4 |

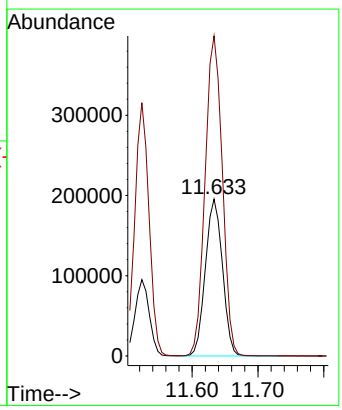


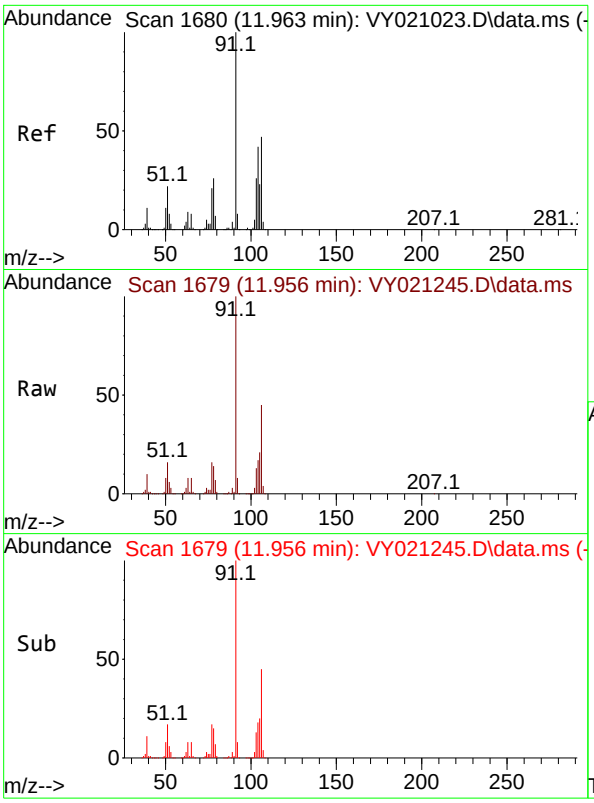




#68
m/p-Xylenes
Concen: 104.209 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:106 Resp: 352761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.4 | 160.7 | 241.1 |



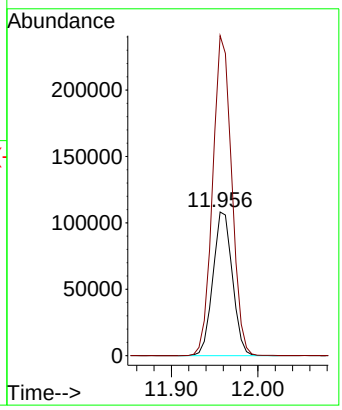


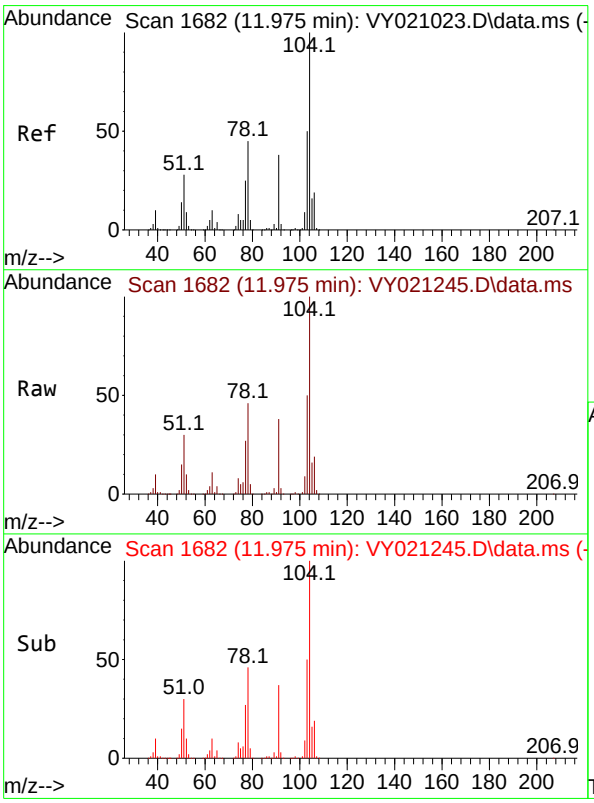

#69
o-Xylene
Concen: 53.429 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 168625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.2 | 106.5 | 319.5 |

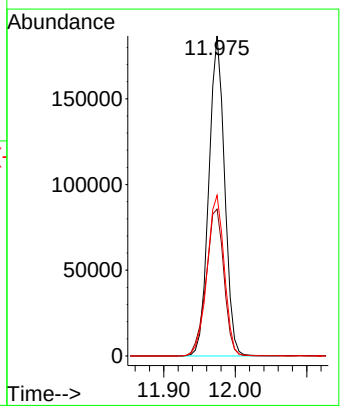


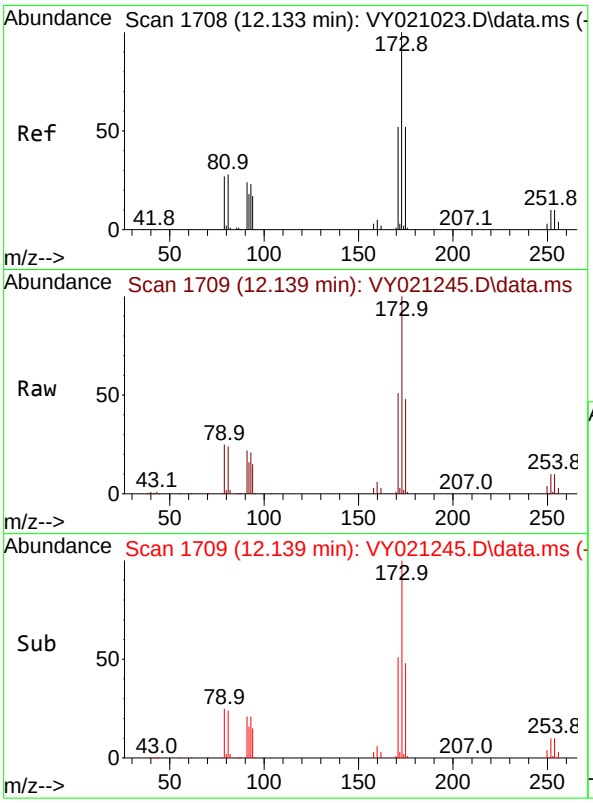




#70
Styrene
Concen: 54.365 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:104 Resp: 285969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.9 | 39.2 | 58.8 |
| 103 | 54.7 | 43.8 | 65.6 |



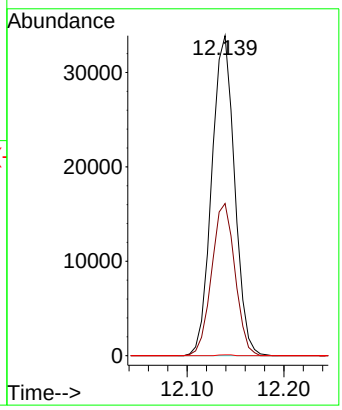


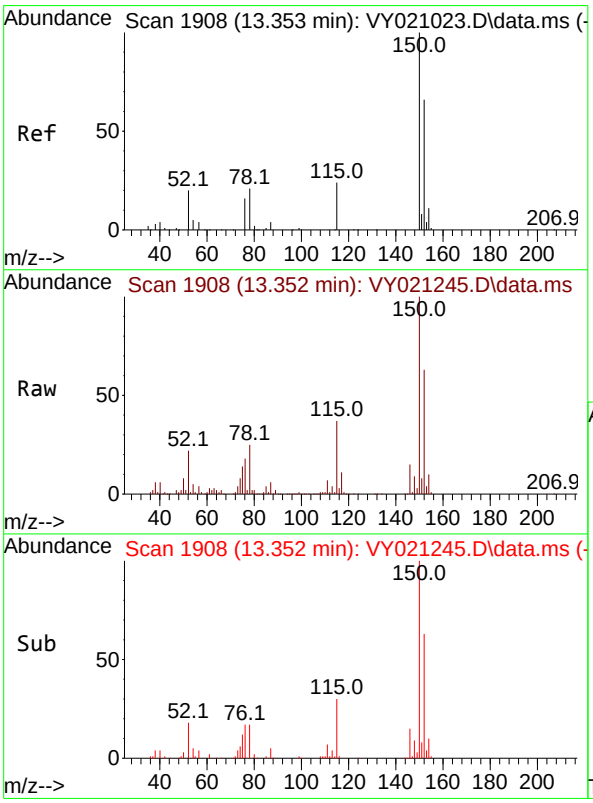

#71
Bromoform
Concen: 54.936 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 55594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 23.5 | 70.6 |
| 254 | 0.2 | 0.0 | 0.0# |

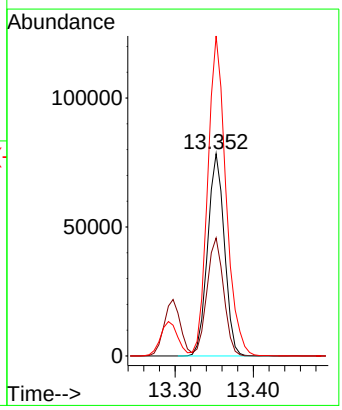


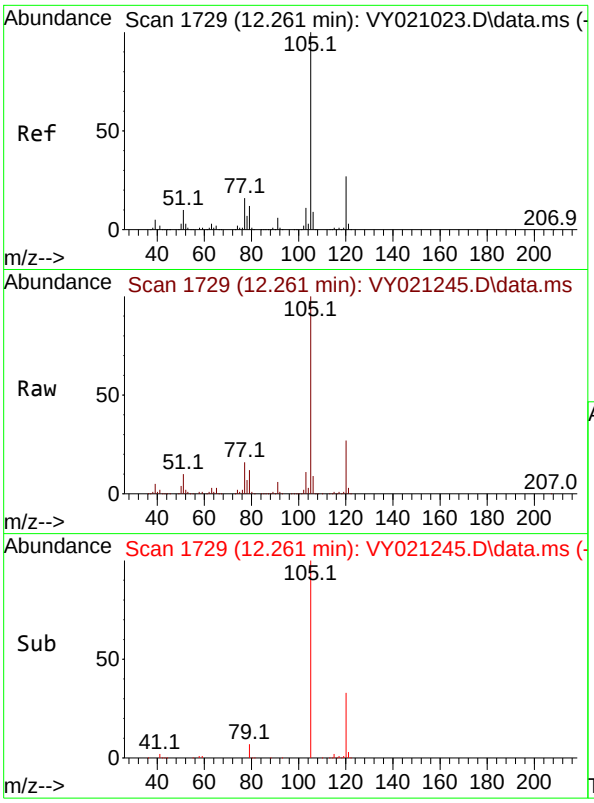




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:152 Resp: 116229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.4 | 30.0 | 90.0 |
| 150 | 172.9 | 0.0 | 344.6 |



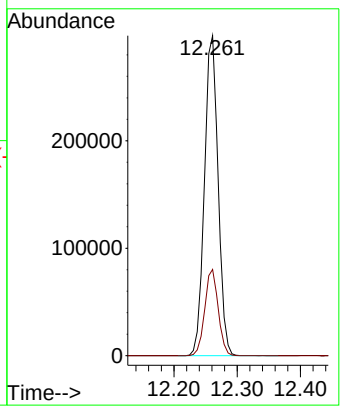


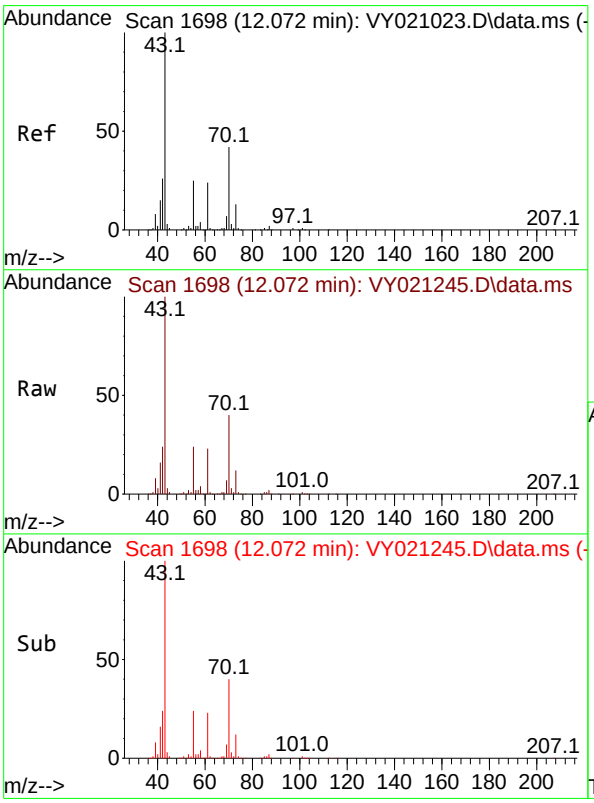

#73
Isopropylbenzene
Concen: 49.326 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 447834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.0 | 39.0 |

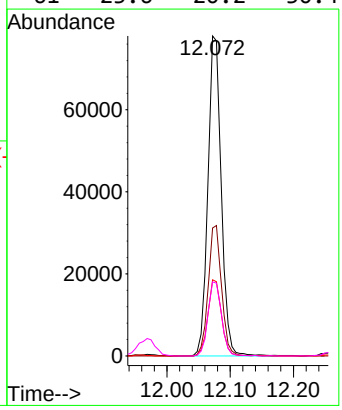


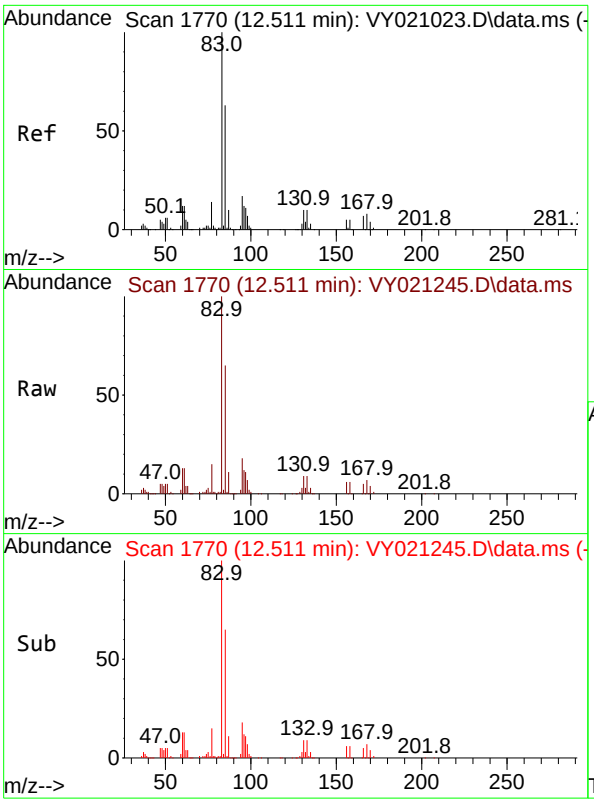




#74
N-amyl acetate
Concen: 57.796 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 43 Resp: 114723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.6 | 36.6 | 55.0 |
| 55 | 24.2 | 22.2 | 33.4 |
| 61 | 23.6 | 20.2 | 30.4 |



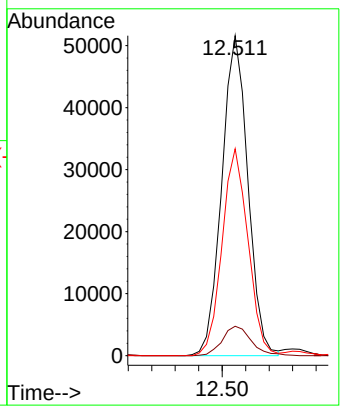


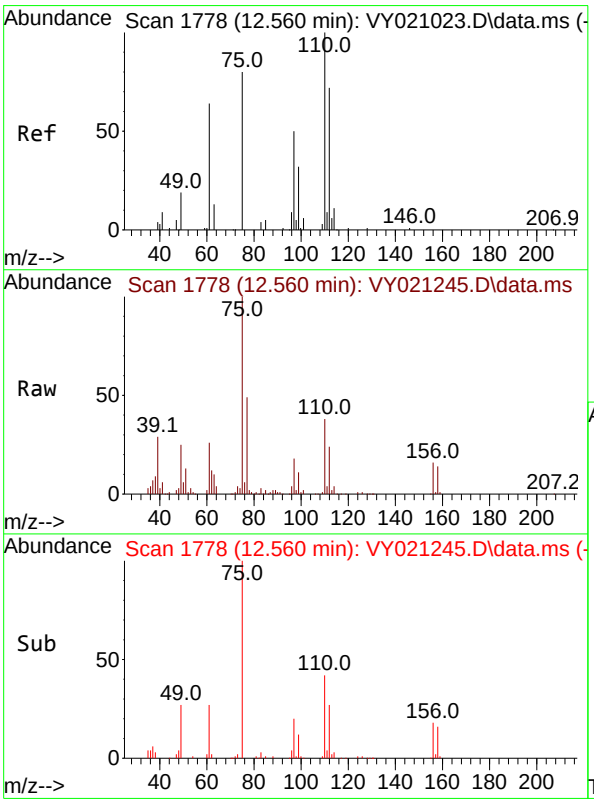

#75
1,1,2,2-Tetrachloroethane
Concen: 52.644 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 79491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 4.9 | 14.6 |
| 85 | 64.2 | 32.6 | 98.0 |

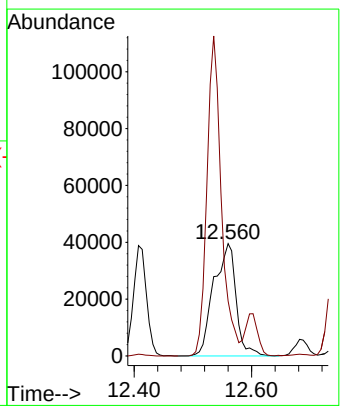


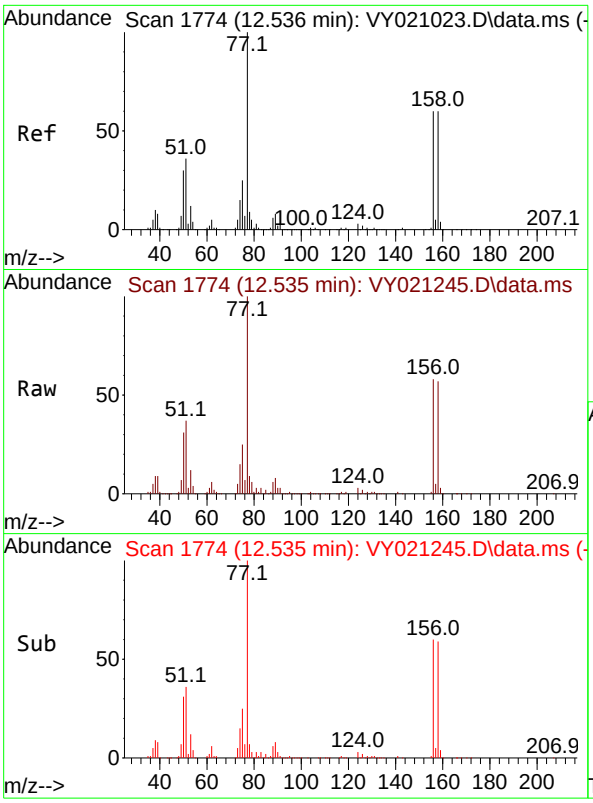




#76
1,2,3-Trichloropropane
Concen: 98.809 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 104178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



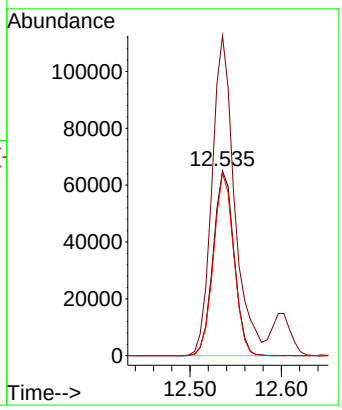


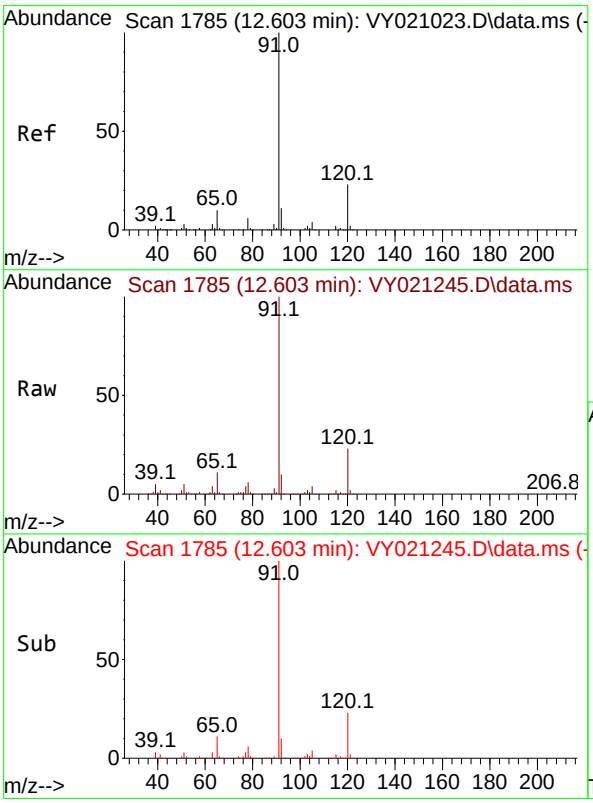

#77
Bromobenzene
Concen: 49.169 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 103017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.9 | 97.3 | 291.8 |
| 158 | 96.5 | 48.4 | 145.0 |

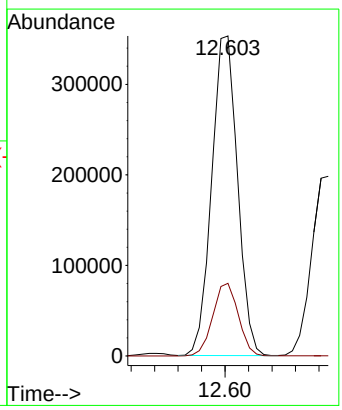


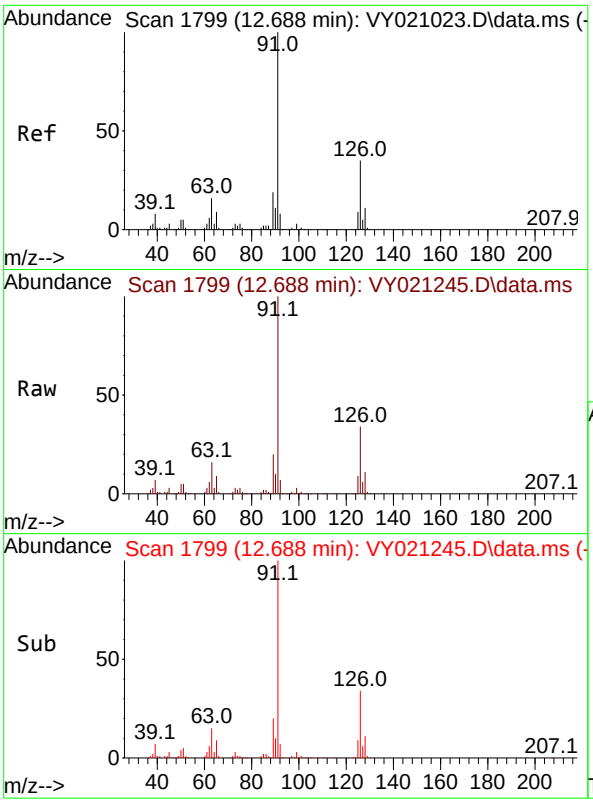




#78
n-propylbenzene
Concen: 49.878 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 539445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.0 | 33.0 |



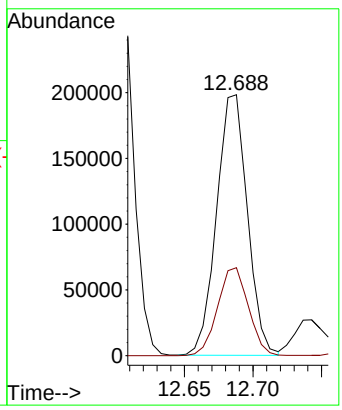


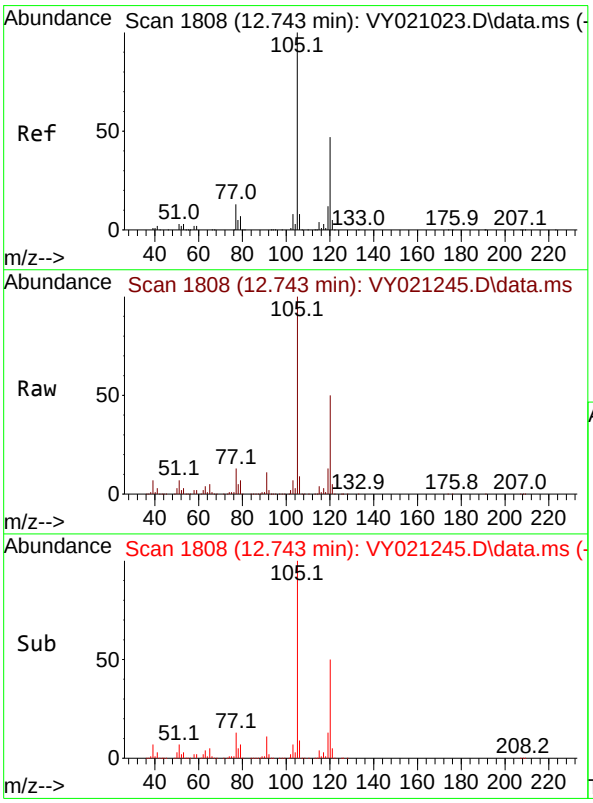

#79
2-Chlorotoluene
Concen: 50.023 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 309867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 17.0 | 51.0 |

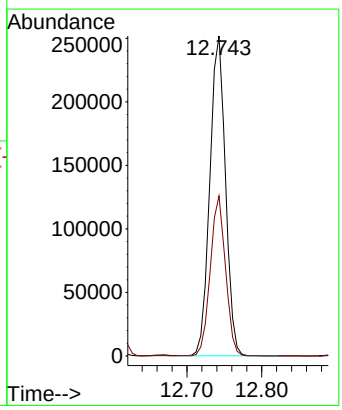


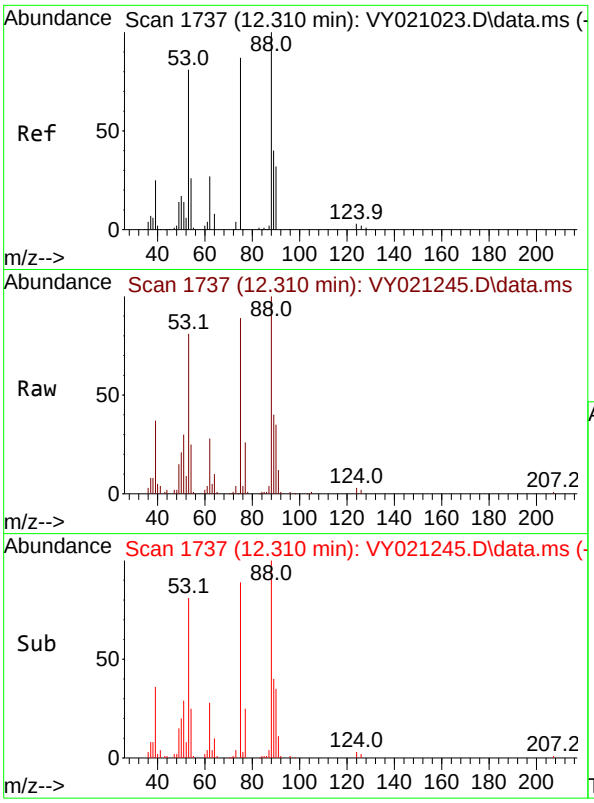




#80
1,3,5-Trimethylbenzene
Concen: 49.680 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 365700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.7 | 24.3 | 72.8 |



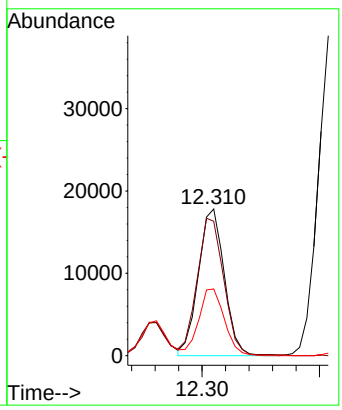


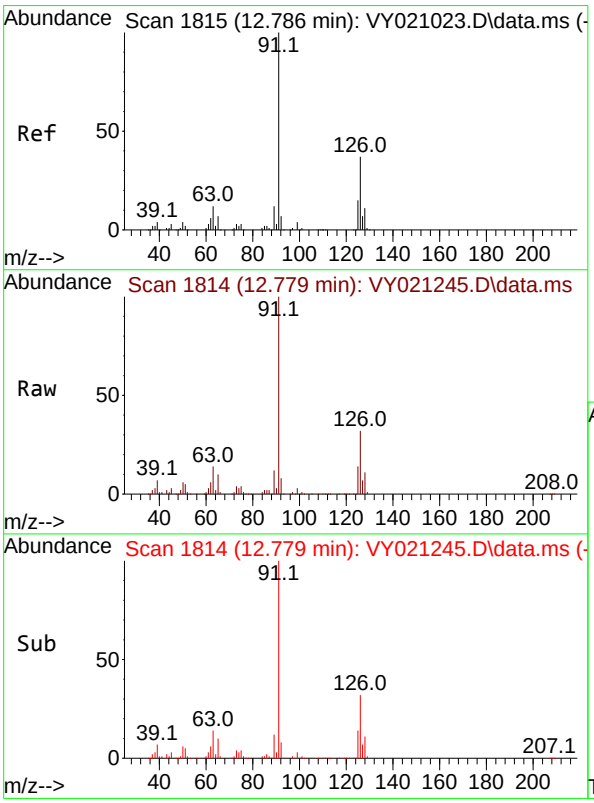

#81
trans-1,4-Dichloro-2-butene
Concen: 52.896 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 27332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 96.9 | 74.0 | 111.0 |
| 89 | 45.4 | 36.5 | 54.7 |

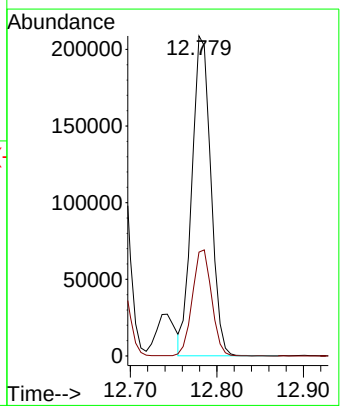


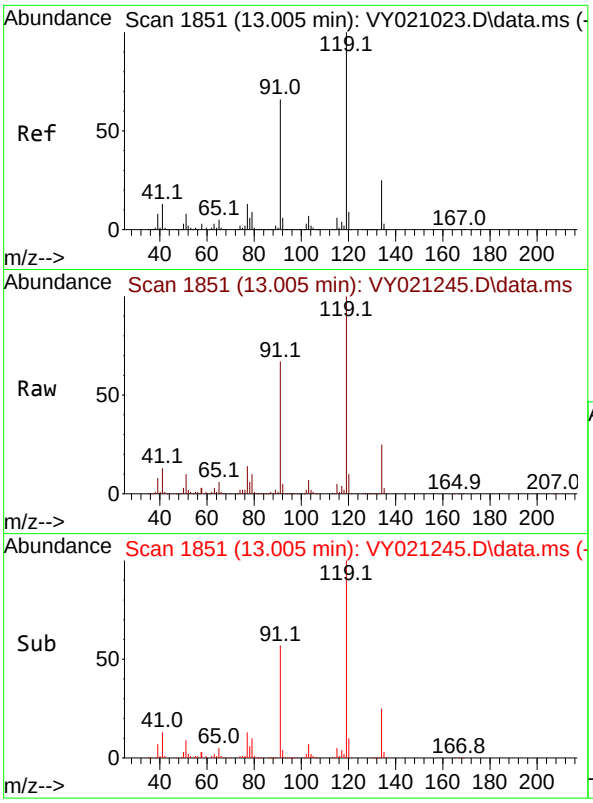




#82
4-Chlorotoluene
Concen: 50.148 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 91 Resp: 316493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 17.1 | 51.2 |



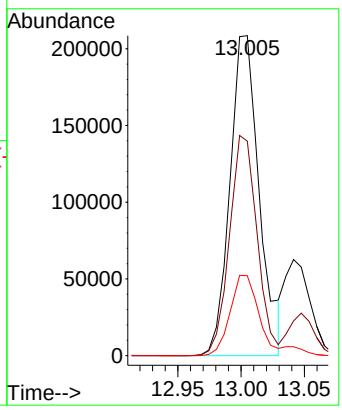


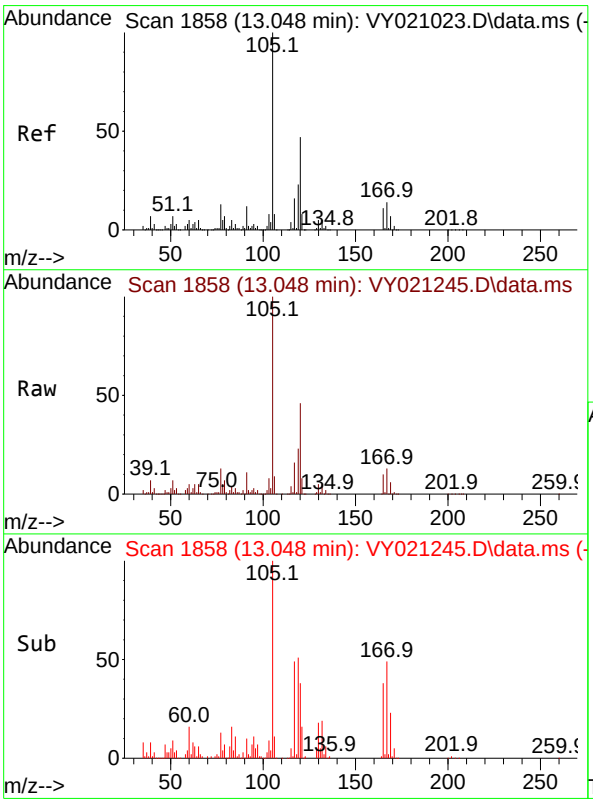

#83
tert-Butylbenzene
Concen: 50.321 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 336692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.0 | 31.5 | 94.5 |
| 134 | 26.3 | 13.1 | 39.3 |

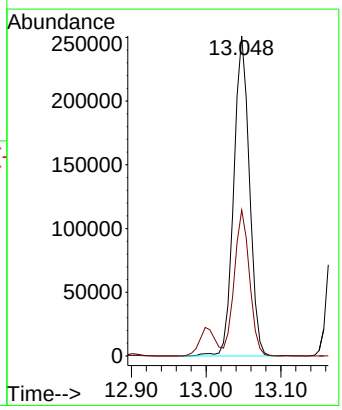


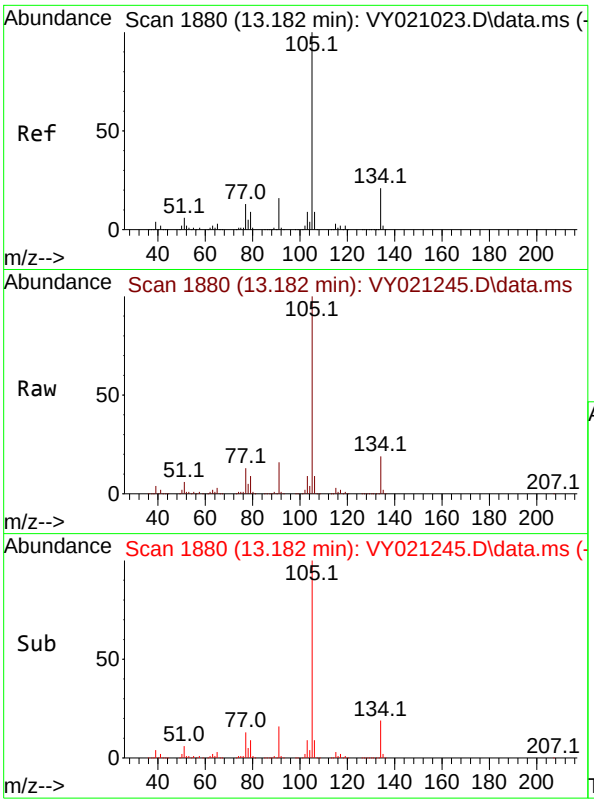




#84
1,2,4-Trimethylbenzene
Concen: 50.704 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:105 Resp: 364939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.3 |



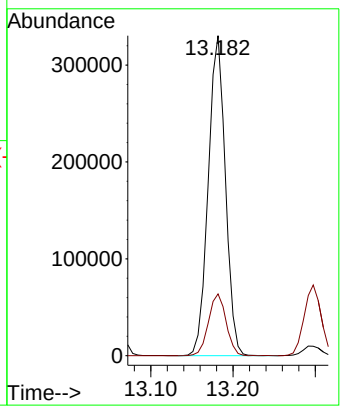


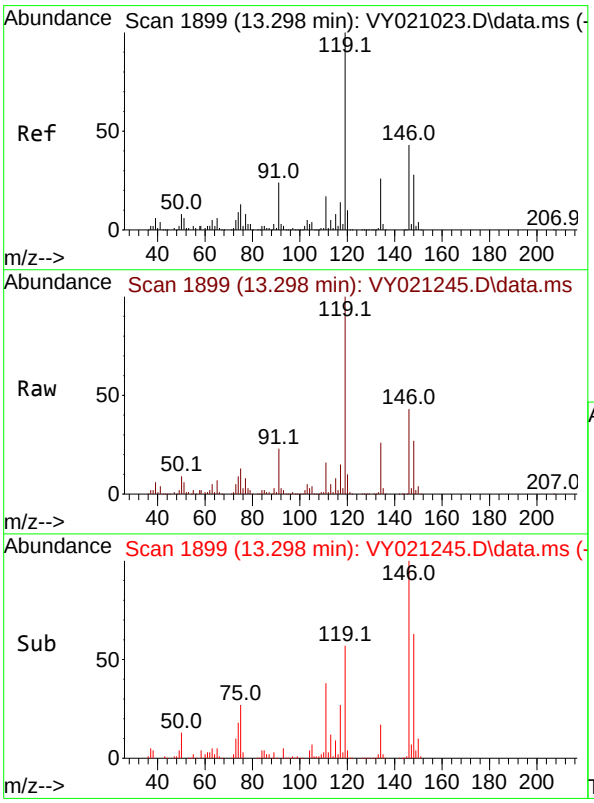

#85
sec-Butylbenzene
Concen: 49.704 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 478716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.7 | 28.9 |

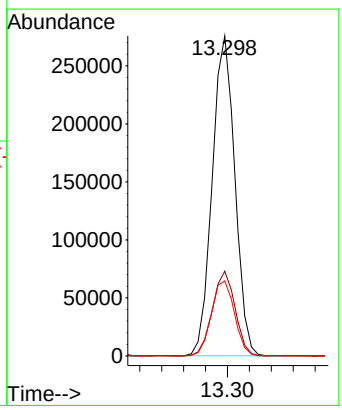


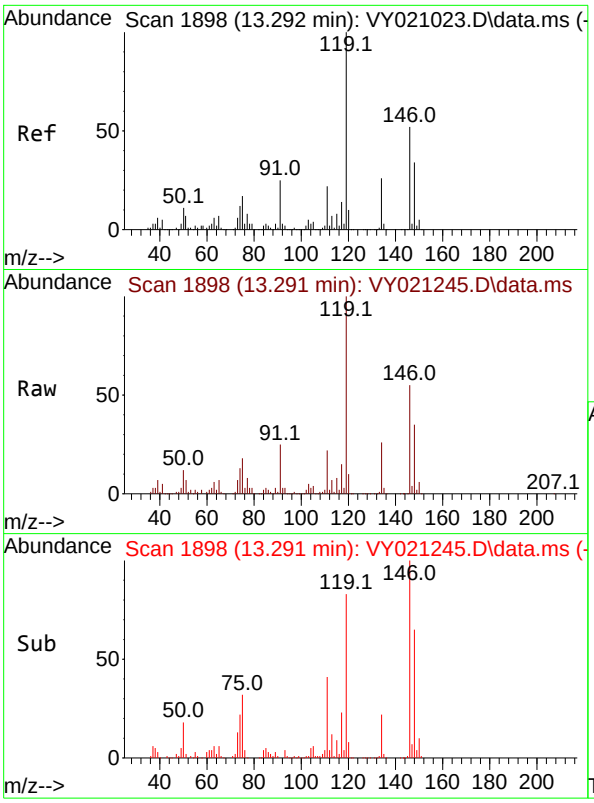




#86
p-Isopropyltoluene
Concen: 49.440 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:119 Resp: 395546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.4 | 13.1 | 39.1 |
| 91 | 24.1 | 11.7 | 35.0 |



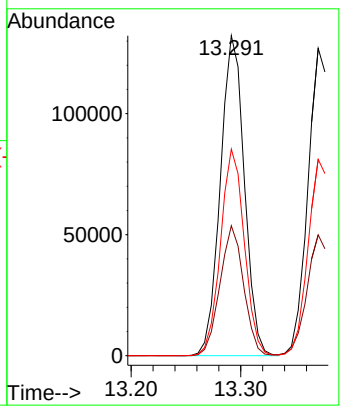


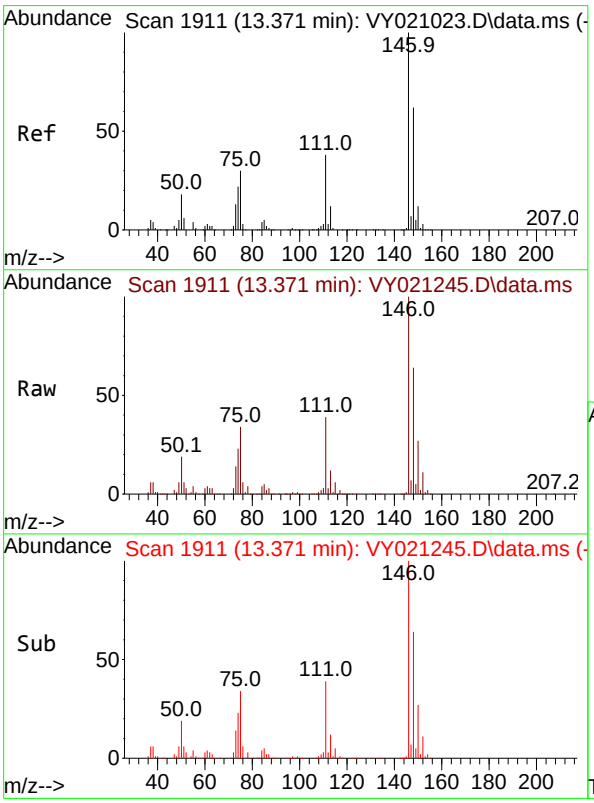

#87
1,3-Dichlorobenzene
Concen: 49.722 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 201146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.2 | 60.5 |
| 148 | 64.0 | 31.9 | 95.9 |

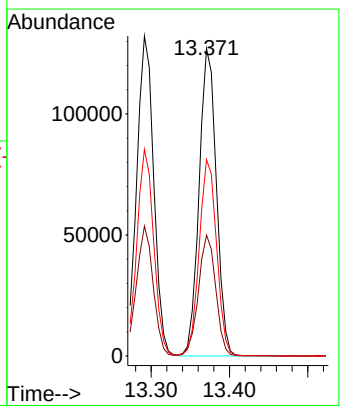


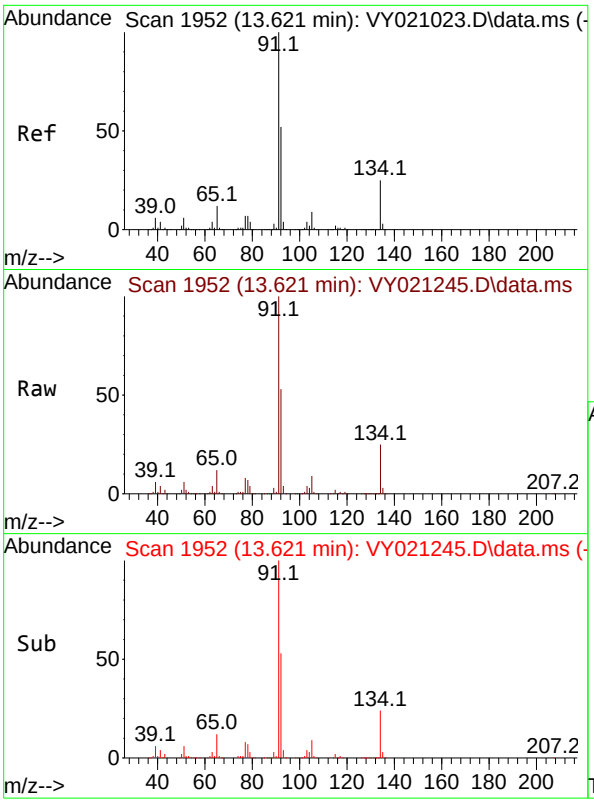




#88
1,4-Dichlorobenzene
Concen: 48.925 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:146 Resp: 194880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.3 | 19.3 | 57.9 |
| 148 | 64.2 | 31.6 | 94.7 |



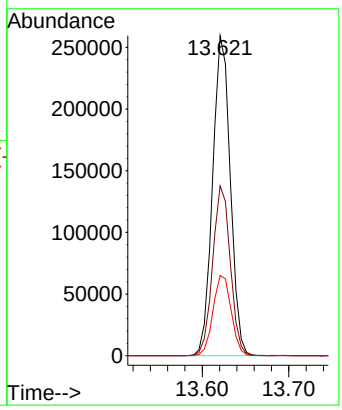


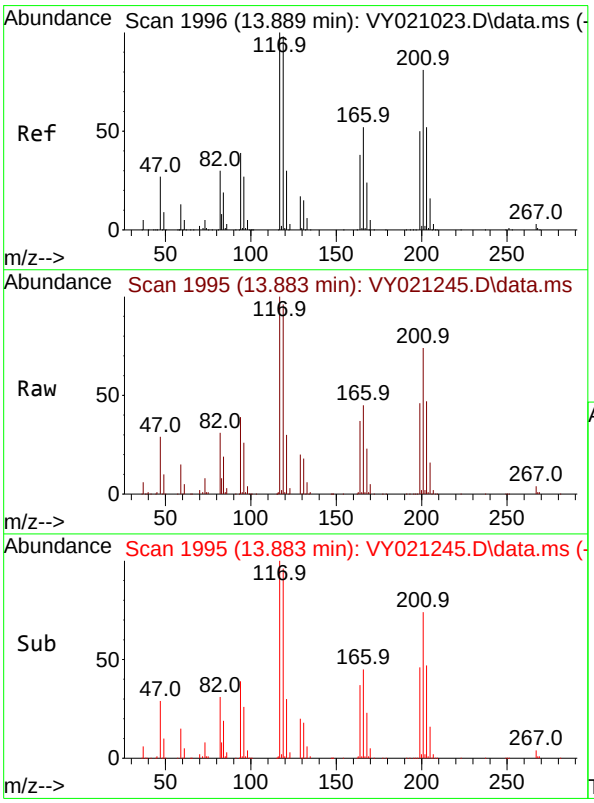

#89
n-Butylbenzene
Concen: 50.435 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 368108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.4 | 79.2 |
| 134 | 25.8 | 12.3 | 36.8 |

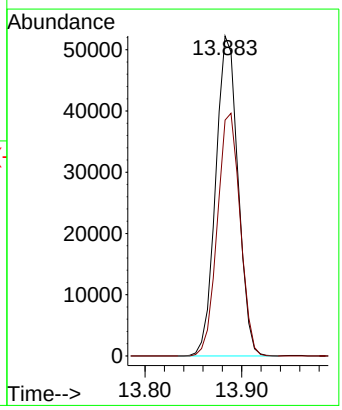


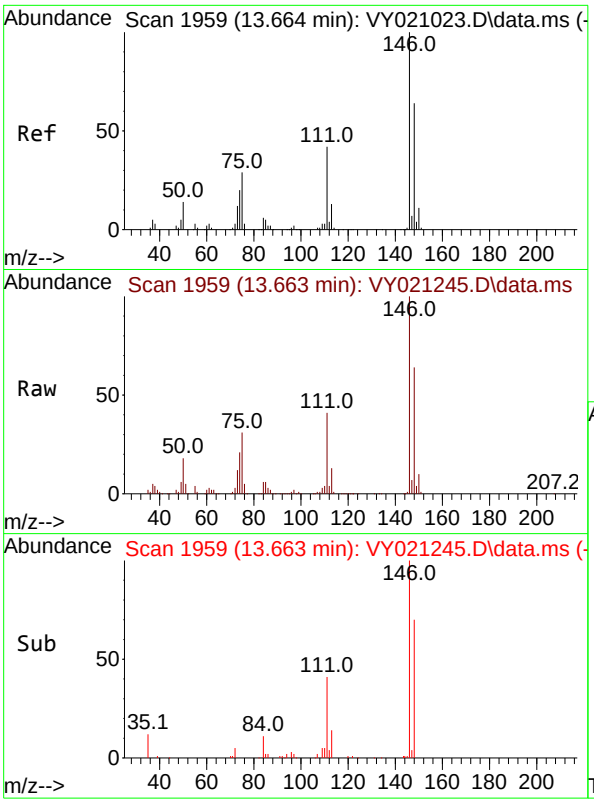




#90
Hexachloroethane
Concen: 50.100 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:117 Resp: 83620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 77.3 | 33.4 | 100.1 |



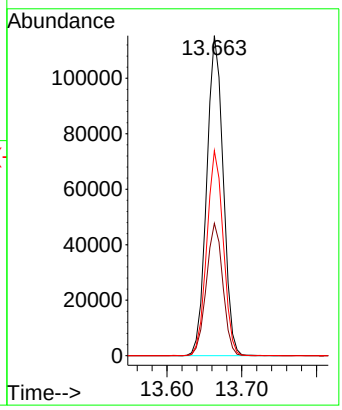


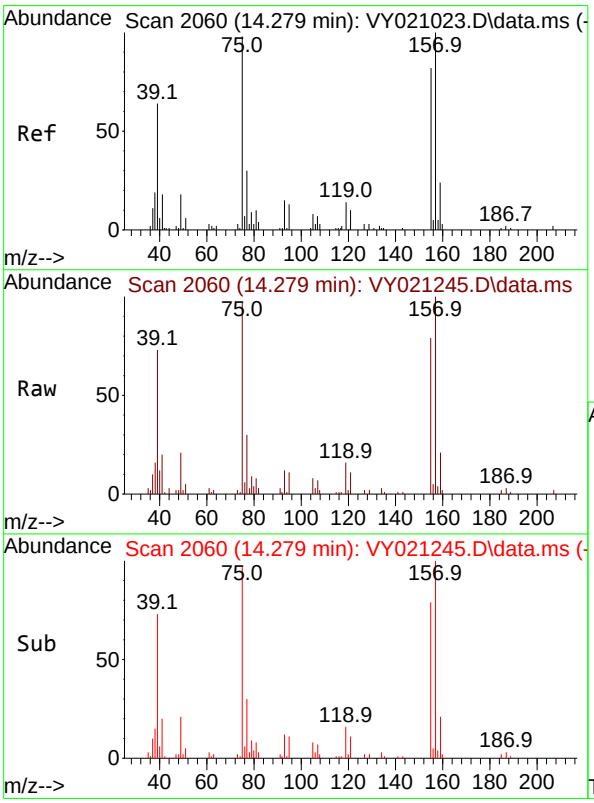

#91
1,2-Dichlorobenzene
Concen: 50.301 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 176618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.5 | 61.6 |
| 148 | 63.9 | 31.4 | 94.3 |

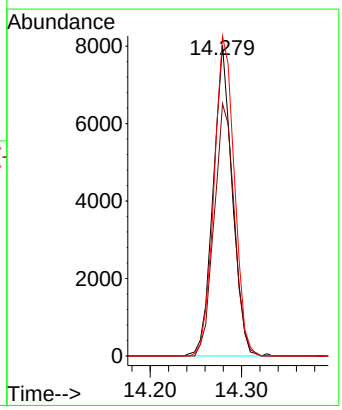


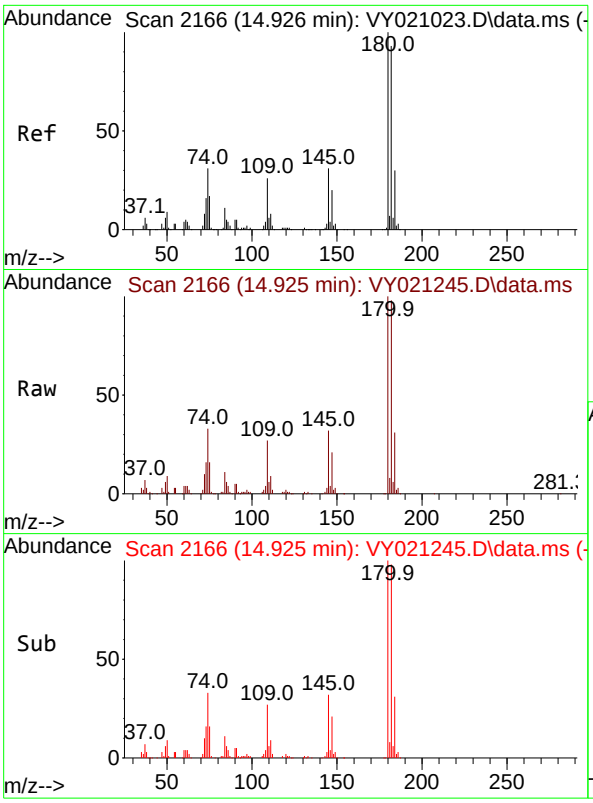




#92
1,2-Dibromo-3-Chloropropane
Concen: 51.546 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion: 75 Resp: 11631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.2 | 42.1 | 126.3 |
| 157 | 109.3 | 55.8 | 167.4 |



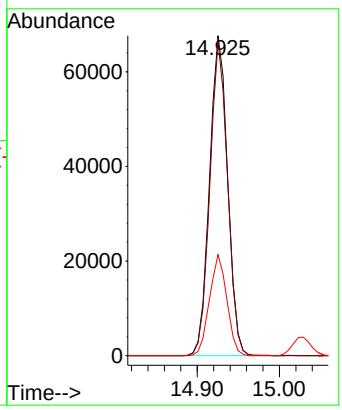


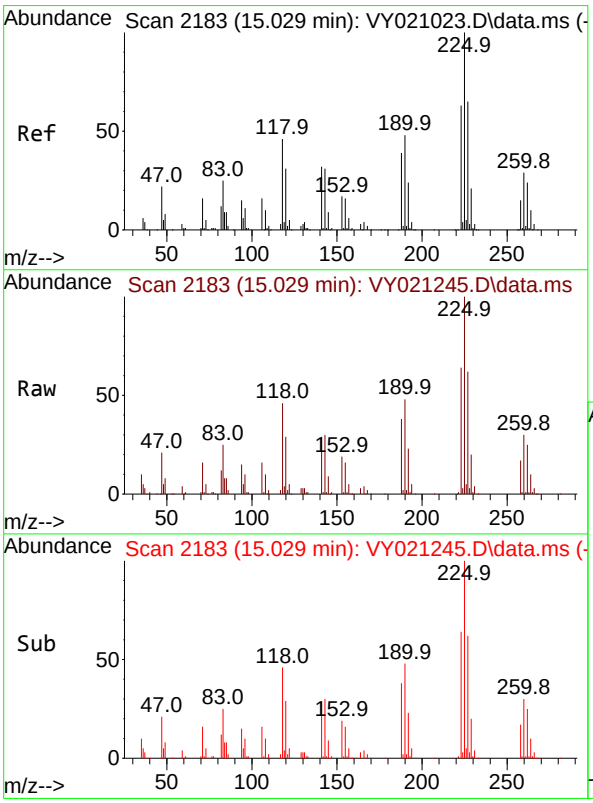

#93
1,2,4-Trichlorobenzene
Concen: 52.893 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 103377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 47.9 | 143.7 |
| 145 | 30.3 | 15.9 | 47.7 |

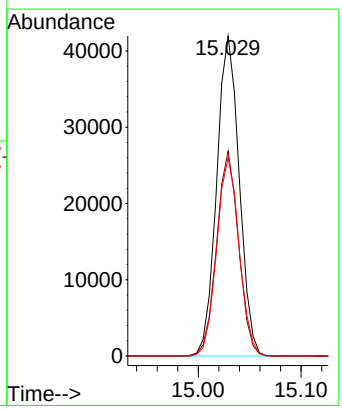


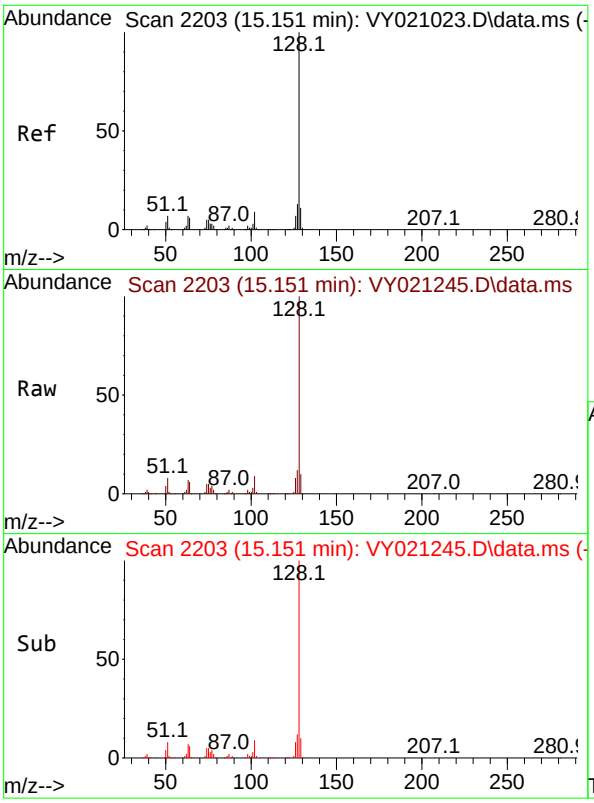




#94
Hexachlorobutadiene
Concen: 49.312 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:225 Resp: 63868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.2 | 31.4 | 94.3 |
| 227 | 61.5 | 32.3 | 96.8 |



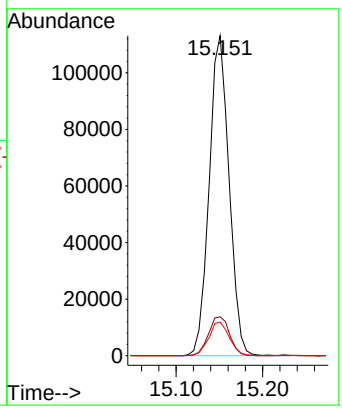


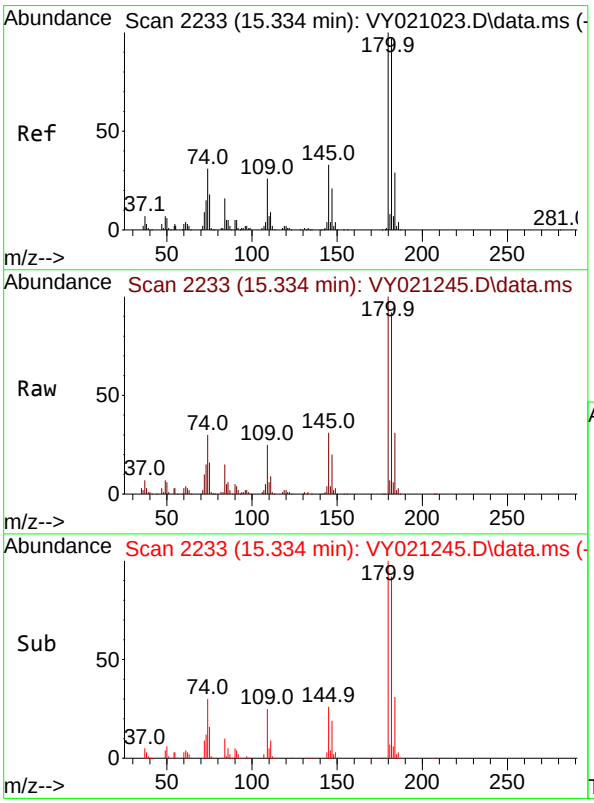

#95
Naphthalene
Concen: 57.663 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 180305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.4 |
| 129 | 10.8 | 8.6 | 12.8 |

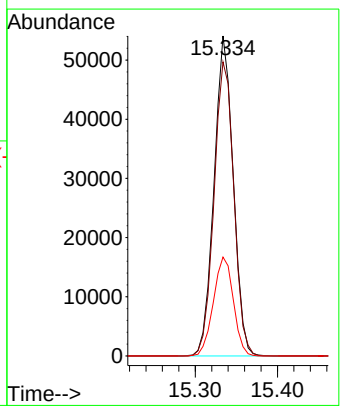



#96
1,2,3-Trichlorobenzene
Concen: 53.891 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021245.D
Acq: 19 Feb 2025 18:32

Tgt Ion:180 Resp: 87654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 46.3 | 138.8 |
| 145 | 32.2 | 16.1 | 48.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.726 | 168 | 134641 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 8.628 | 114 | 218893 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 189433 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152 | 91135 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.079 | 65 | 73499 | 53.279 | ug/l | 0.01 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 106.560% | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 72342 | 51.569 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 103.140% | | | |
| 50) Toluene-d8 | 10.115 | 98 | 262335 | 49.121 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 98.240% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 88447 | 50.693 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 101.380% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.873 | 85 | 53065 | 44.220 | ug/l | 92 |
| 3) Chloromethane | 2.074 | 50 | 69096 | 58.350 | ug/l | 98 |
| 4) Vinyl Chloride | 2.214 | 62 | 66919 | 56.145 | ug/l | 99 |
| 5) Bromomethane | 2.611 | 94 | 38298 | 51.988 | ug/l | 94 |
| 6) Chloroethane | 2.751 | 64 | 43771 | 61.692 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.074 | 101 | 107727 | 49.611 | ug/l | 98 |
| 8) Diethyl Ether | 3.464 | 74 | 37523 | 55.354 | ug/l | 93 |
| 9) 1,1,2-Trichlorotrifluo... | 3.836 | 101 | 65425 | 48.007 | ug/l | 96 |
| 10) Methyl Iodide | 4.019 | 142 | 76705 | 50.662 | ug/l | 92 |
| 11) Tert butyl alcohol | 4.915 | 59 | 22221 | 237.701 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 3.806 | 96 | 65745 | 51.212 | ug/l | 86 |
| 13) Acrolein | 3.665 | 56 | 22617 | 157.114 | ug/l | 94 |
| 14) Allyl chloride | 4.397 | 41 | 122719 | 56.720 | ug/l | 93 |
| 15) Acrylonitrile | 5.080 | 53 | 84424 | 299.082 | ug/l | 99 |
| 16) Acetone | 3.897 | 43 | 62919 | 292.469 | ug/l | 93 |
| 17) Carbon Disulfide | 4.123 | 76 | 188763 | 46.891 | ug/l | 98 |
| 18) Methyl Acetate | 4.409 | 43 | 51748 | 68.522 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 5.135 | 73 | 185238 | 57.088 | ug/l | 100 |
| 20) Methylene Chloride | 4.635 | 84 | 78534 | 58.723 | ug/l | 90 |
| 21) trans-1,2-Dichloroethene | 5.141 | 96 | 76055 | 53.821 | ug/l | 96 |
| 22) Diisopropyl ether | 6.037 | 45 | 271476 | 60.874 | ug/l | 97 |
| 23) Vinyl Acetate | 5.982 | 43 | 735278 | 295.758 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 5.933 | 63 | 149132 | 57.076 | ug/l | 98 |
| 25) 2-Butanone | 6.915 | 43 | 105003 | 297.023 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.903 | 77 | 124428 | 51.467 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.909 | 96 | 90095 | 55.391 | ug/l | 94 |
| 28) Bromochloromethane | 7.262 | 49 | 66949 | 64.798 | ug/l | 94 |
| 29) Tetrahydrofuran | 7.281 | 42 | 70365 | 294.152 | ug/l | 94 |
| 30) Chloroform | 7.439 | 83 | 152860 | 56.956 | ug/l | 99 |
| 31) Cyclohexane | 7.720 | 56 | 108795 | 46.238 | ug/l | 93 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 138665 | 55.572 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.848 | 75 | 105033 | 50.550 | ug/l | 98 |
| 37) Ethyl Acetate | 7.000 | 43 | 50245 | 55.122 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.835 | 117 | 121178 | 49.912 | ug/l | 99 |
| 39) Methylcyclohexane | 9.122 | 83 | 115614 | 45.490 | ug/l | 99 |
| 40) Benzene | 8.091 | 78 | 324187 | 53.166 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.238 | 41 | 31065 | 58.909 ug/l | | 94 |
| 42) 1,2-Dichloroethane | 8.171 | 62 | 91794 | 54.268 ug/l | | 97 |
| 43) Isopropyl Acetate | 8.213 | 43 | 101862 | 56.240 ug/l | | 96 |
| 44) Trichloroethene | 8.878 | 130 | 79263 | 50.313 ug/l | | 98 |
| 45) 1,2-Dichloropropane | 9.152 | 63 | 79921 | 55.222 ug/l | | 98 |
| 46) Dibromomethane | 9.244 | 93 | 42419 | 52.936 ug/l | | 96 |
| 47) Bromodichloromethane | 9.433 | 83 | 117853 | 54.838 ug/l | | 98 |
| 48) Methyl methacrylate | 9.231 | 41 | 47593 | 57.687 ug/l | | 91 |
| 49) 1,4-Dioxane | 9.262 | 88 | 8064 | 1081.002 ug/l | # | 87 |
| 51) 4-Methyl-2-Pentanone | 10.006 | 43 | 269630 | 296.038 ug/l | | 95 |
| 52) Toluene | 10.183 | 92 | 204505 | 53.414 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 104033 | 53.911 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.866 | 75 | 121404 | 53.134 ug/l | # | 90 |
| 55) 1,1,2-Trichloroethane | 10.585 | 97 | 56063 | 54.028 ug/l | | 98 |
| 56) Ethyl methacrylate | 10.451 | 69 | 78420 | 56.492 ug/l | | 88 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 99821 | 55.577 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 198856 | 301.108 ug/l | | 98 |
| 59) 2-Hexanone | 10.774 | 43 | 173136 | 295.239 ug/l | | 95 |
| 60) Dibromochloromethane | 10.920 | 129 | 78064 | 53.569 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.024 | 107 | 51996 | 53.496 ug/l | | 100 |
| 64) Tetrachloroethene | 10.658 | 164 | 69573 | 49.474 ug/l | | 97 |
| 65) Chlorobenzene | 11.451 | 112 | 219066 | 51.935 ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131 | 80486 | 53.694 ug/l | | 98 |
| 67) Ethyl Benzene | 11.530 | 91 | 396201 | 53.106 ug/l | | 99 |
| 68) m/p-Xylenes | 11.640 | 106 | 293291 | 105.084 ug/l | | 96 |
| 69) o-Xylene | 11.963 | 106 | 138811 | 53.345 ug/l | | 97 |
| 70) Styrene | 11.981 | 104 | 236391 | 54.506 ug/l | | 99 |
| 71) Bromoform | 12.146 | 173 | 45063 | 54.009 ug/l | # | 98 |
| 73) Isopropylbenzene | 12.268 | 105 | 378285 | 53.138 ug/l | | 100 |
| 74) N-amyl acetate | 12.079 | 43 | 88587 | 56.918 ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83 | 64872 | 54.792 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 85546 | 103.478 ug/l | # | 100 |
| 77) Bromobenzene | 12.542 | 156 | 84600 | 51.497 ug/l | | 96 |
| 78) n-propylbenzene | 12.603 | 91 | 450276 | 53.097 ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 258141 | 53.148 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.749 | 105 | 307207 | 53.225 ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.316 | 75 | 20989 | 51.805 ug/l | | 93 |
| 82) 4-Chlorotoluene | 12.786 | 91 | 262361 | 53.017 ug/l | | 98 |
| 83) tert-Butylbenzene | 13.005 | 119 | 276564 | 52.716 ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.054 | 105 | 303836 | 53.838 ug/l | | 99 |
| 85) sec-Butylbenzene | 13.188 | 105 | 402885 | 53.349 ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.304 | 119 | 332768 | 53.046 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.298 | 146 | 164144 | 51.747 ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.377 | 146 | 160145 | 51.275 ug/l | | 99 |
| 89) n-Butylbenzene | 13.627 | 91 | 297313 | 51.951 ug/l | | 99 |
| 90) Hexachloroethane | 13.889 | 117 | 70386 | 53.783 ug/l | | 85 |
| 91) 1,2-Dichlorobenzene | 13.670 | 146 | 144792 | 52.591 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75 | 9715 | 54.910 ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 14.932 | 180 | 80920 | 52.803 ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.035 | 225 | 52391 | 51.589 ug/l | | 100 |
| 95) Naphthalene | 15.157 | 128 | 140532 | 57.318 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 67936 | 53.269 ug/l | | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

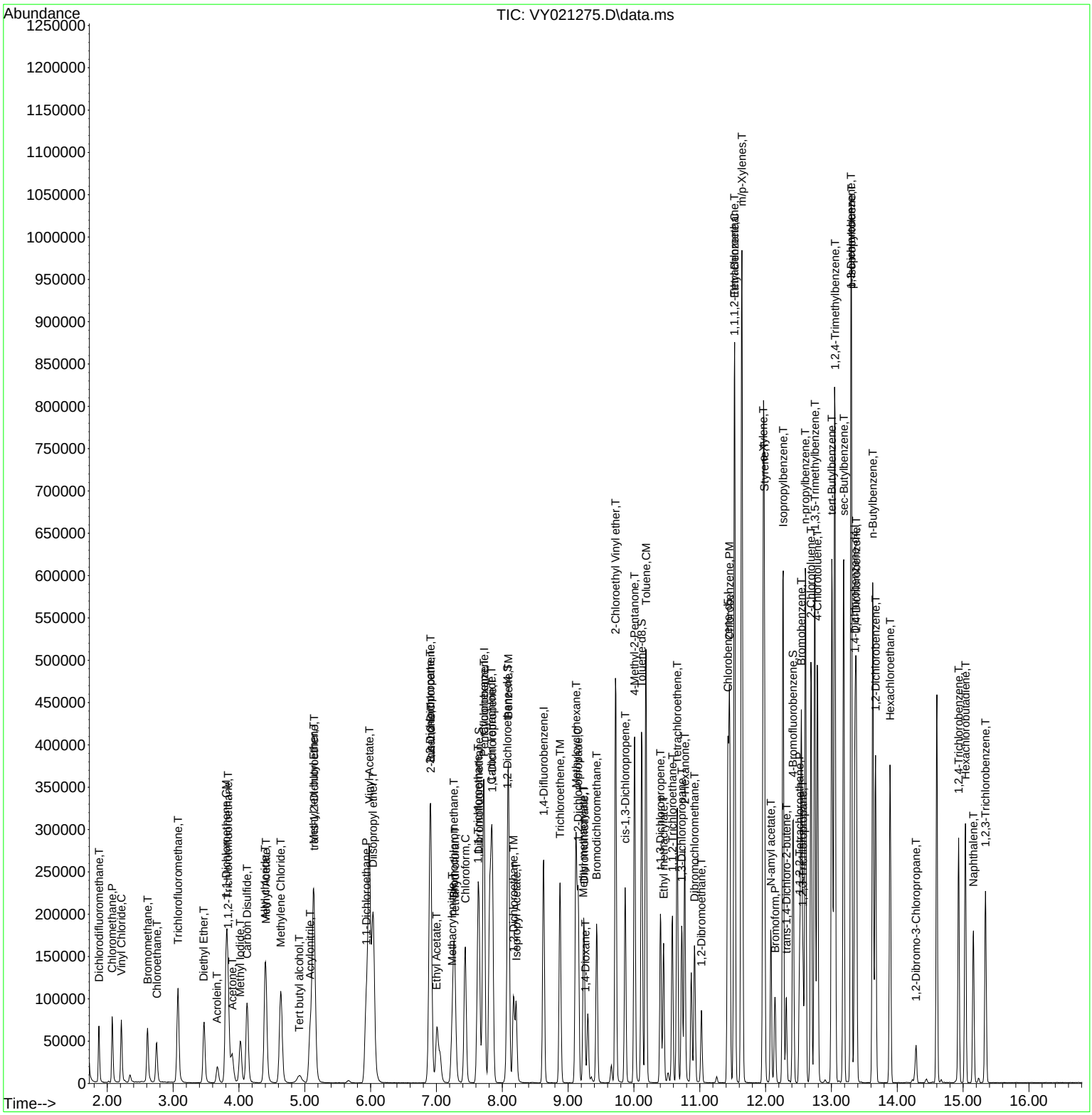
(#) = qualifier out of range (m) = manual integration (+) = signals summed

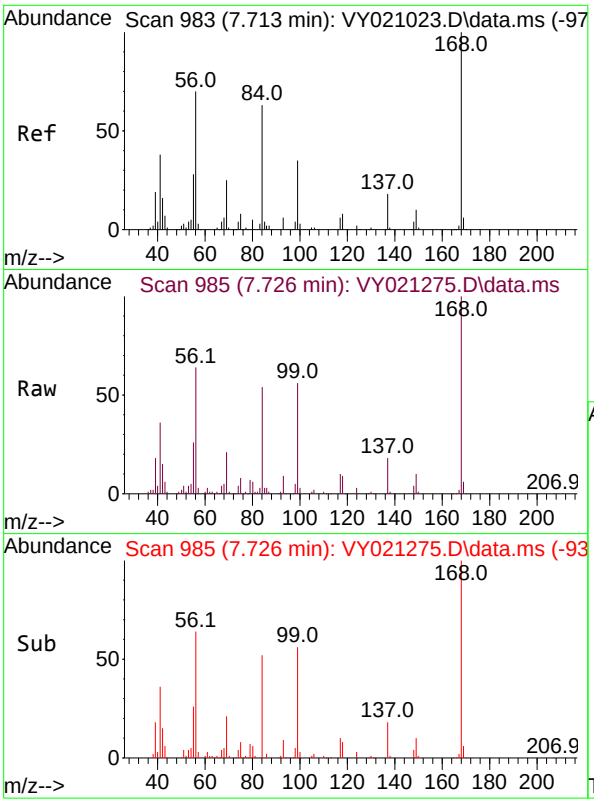
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021275.D
Acq On : 21 Feb 2025 09:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 21 23:01:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



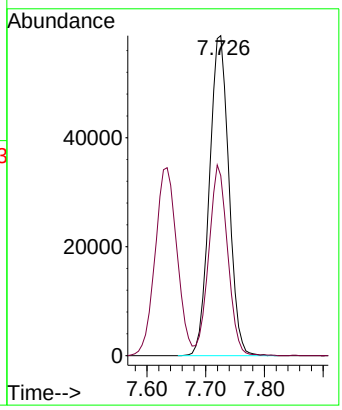


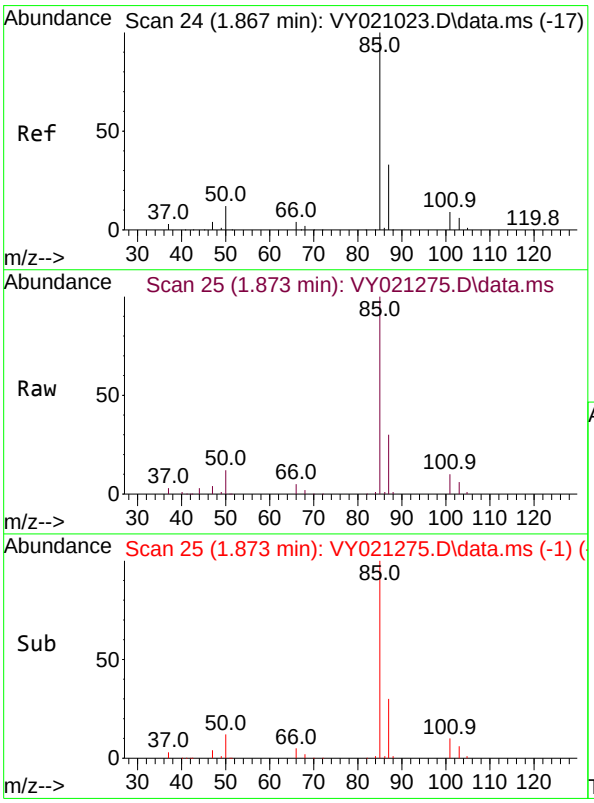

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 98
Delta R.T. 0.013 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 134641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.2 | 44.2 | 66.4 |

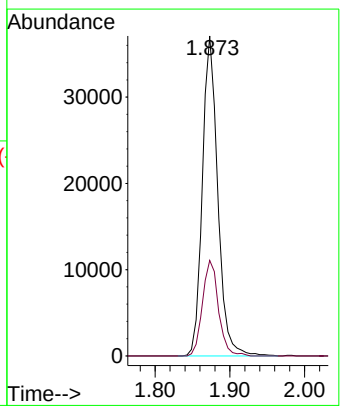


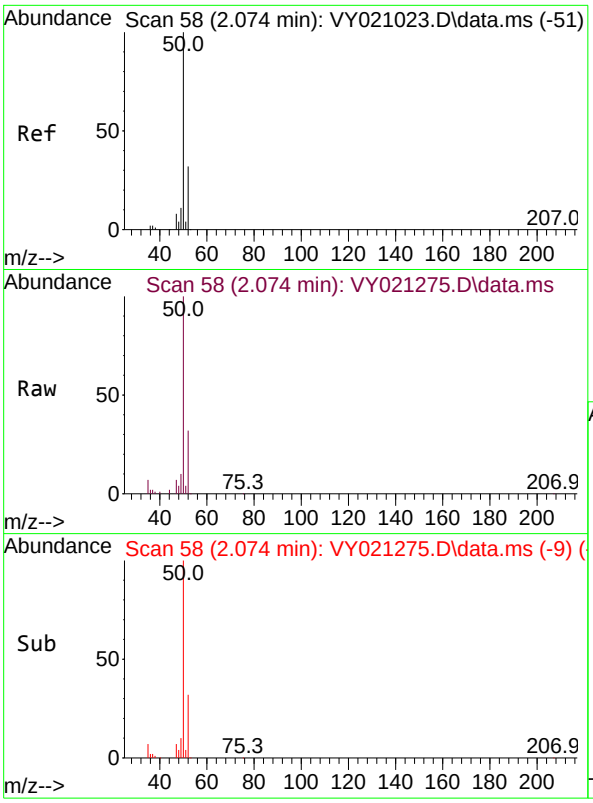




#2
Dichlorodifluoromethane
Concen: 44.220 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 85 Resp: 53065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.8 | 17.1 | 51.3 |



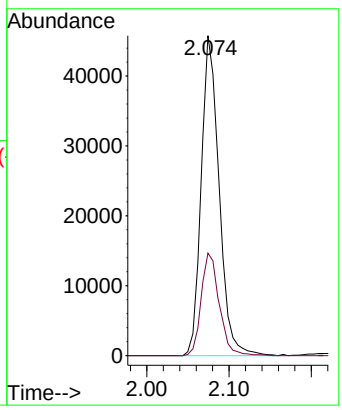


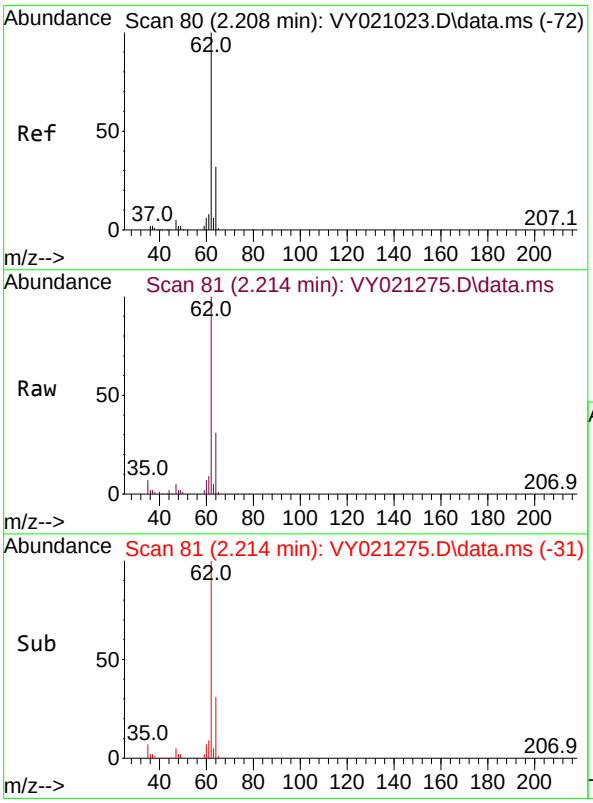

#3
Chloromethane
Concen: 58.350 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 69096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.1 | 26.7 | 40.1 |

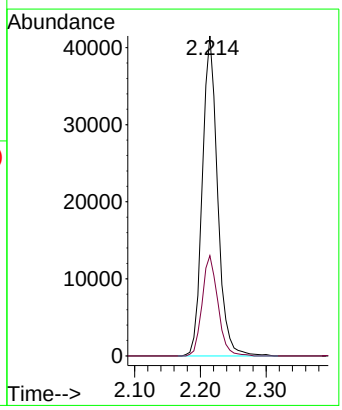


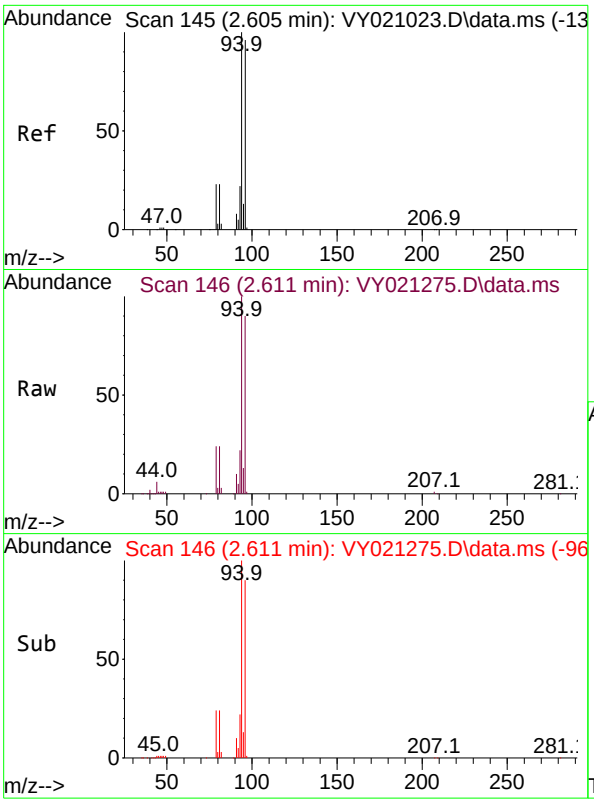




#4
Vinyl Chloride
Concen: 56.145 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 62 Resp: 66919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.3 | 25.7 | 38.5 |



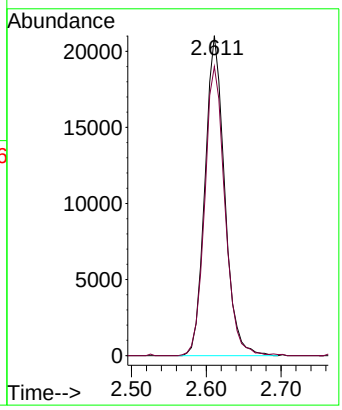


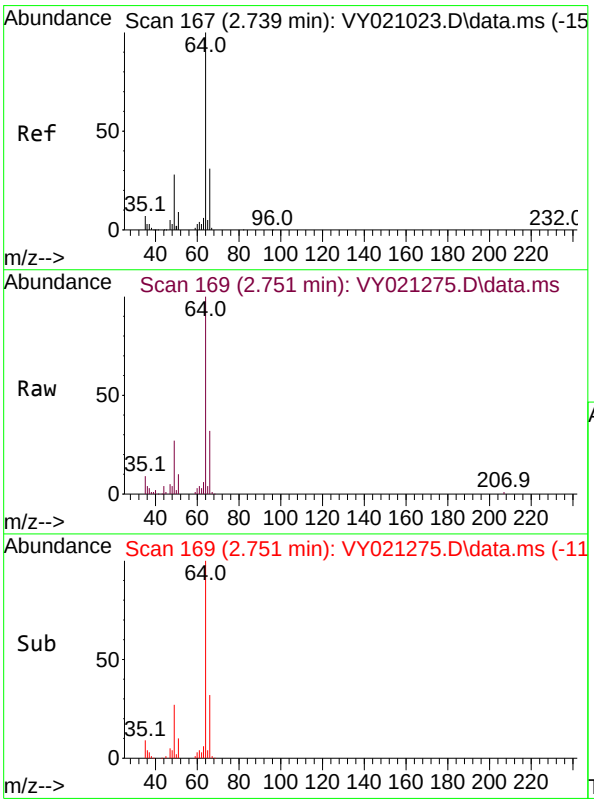

#5
Bromomethane
Concen: 51.988 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 38298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.3 | 77.3 | 115.9 |

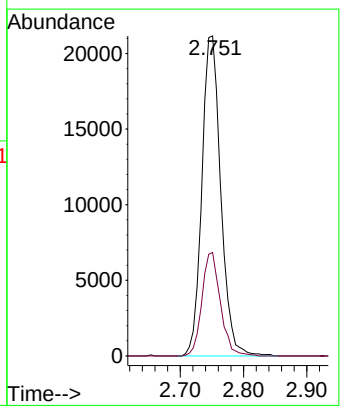


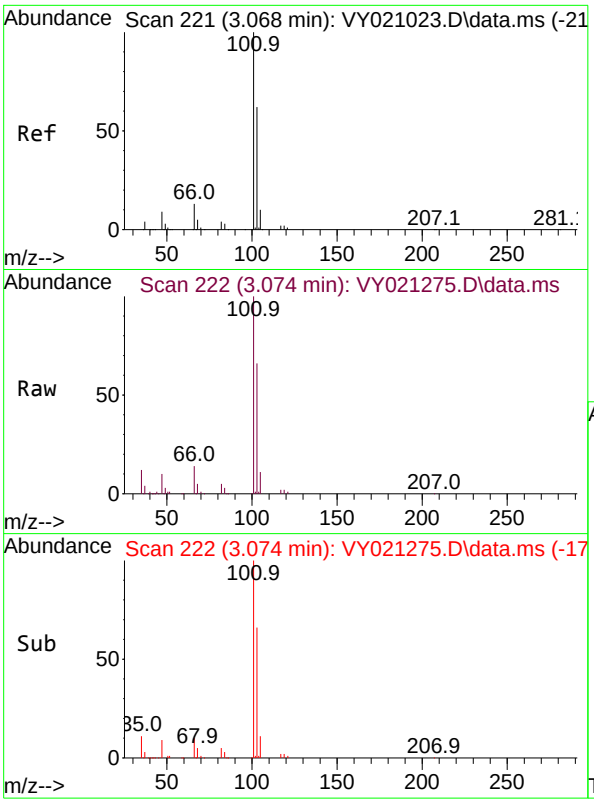




#6
Chloroethane
Concen: 61.692 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 64 Resp: 43771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 25.1 | 37.7 |



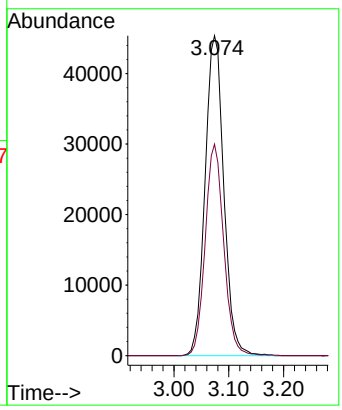


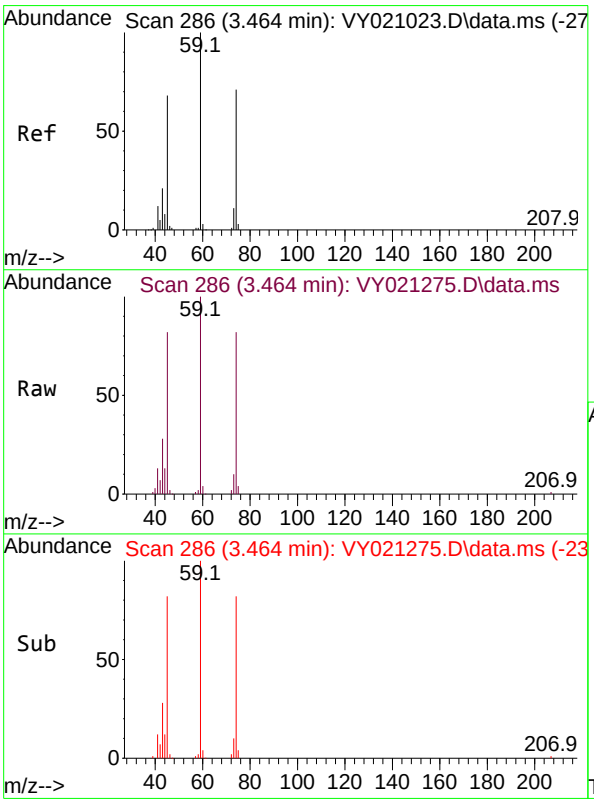

#7
Trichlorofluoromethane
Concen: 49.611 ug/l
RT: 3.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 107727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.1 | 51.9 | 77.9 |

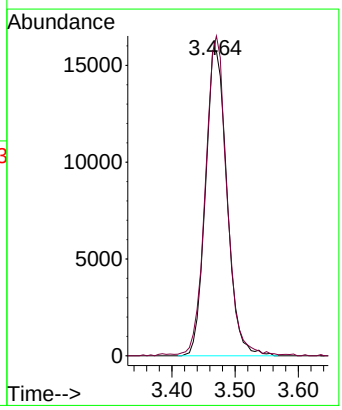


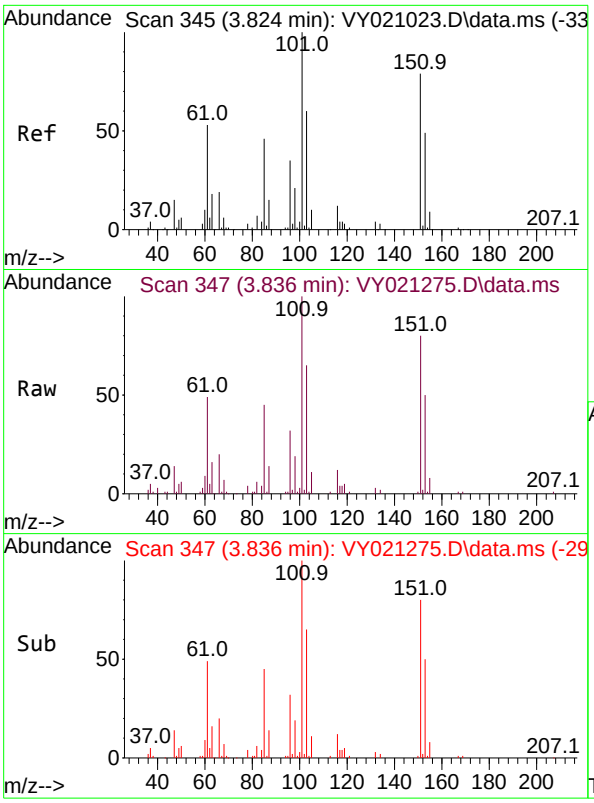




#8
Diethyl Ether
Concen: 55.354 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 74 Resp: 37523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 102.4 | 47.9 | 143.7 |



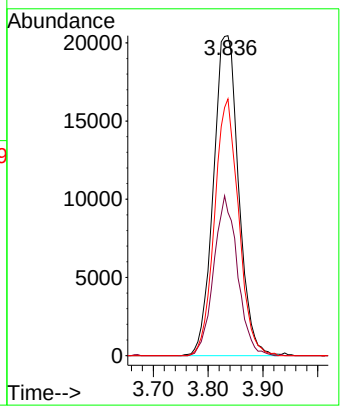


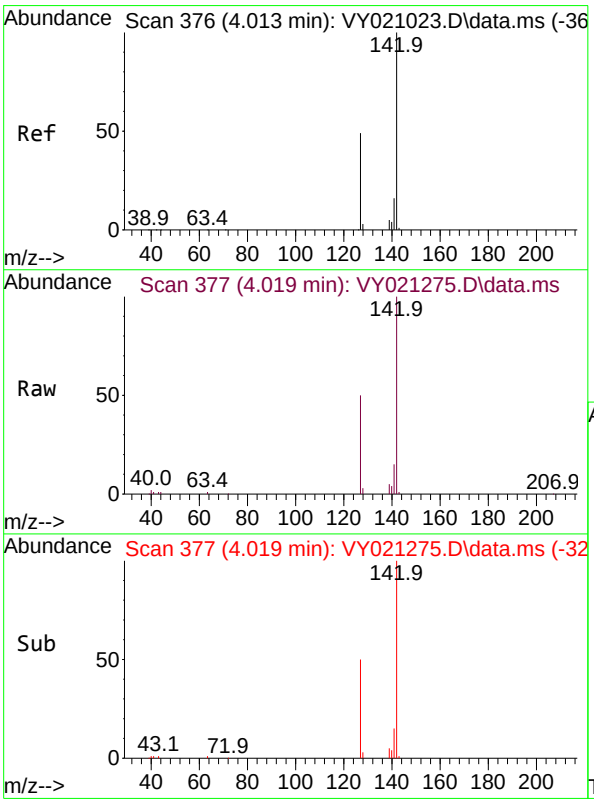

#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.007 ug/l
RT: 3.836 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 65425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.0 | 35.8 | 53.6 |
| 151 | 76.6 | 58.6 | 88.0 |

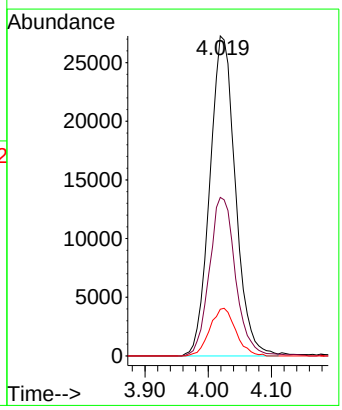


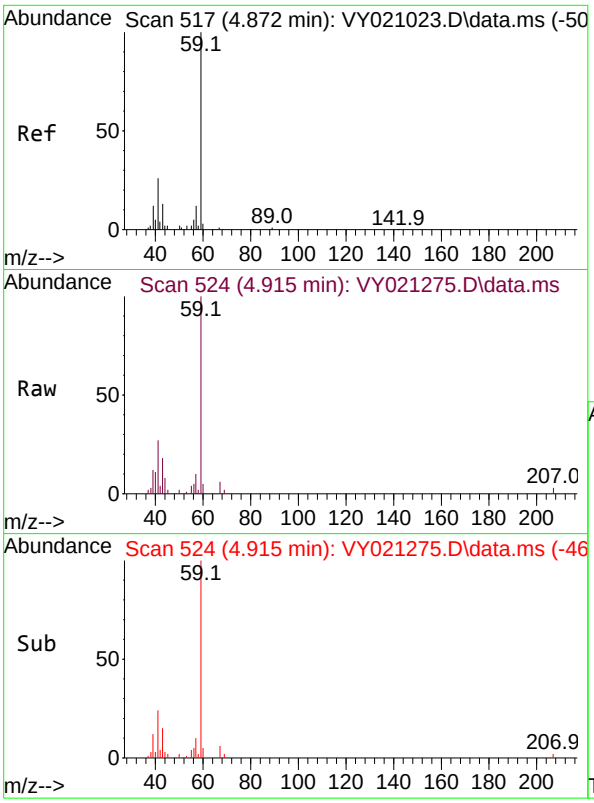




#10
Methyl Iodide
Concen: 50.662 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:142 Resp: 76705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.5 | 35.1 | 52.7 |
| 141 | 15.0 | 11.8 | 17.6 |



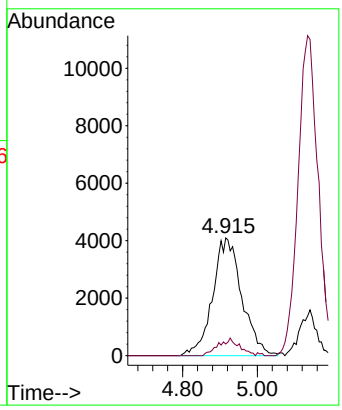


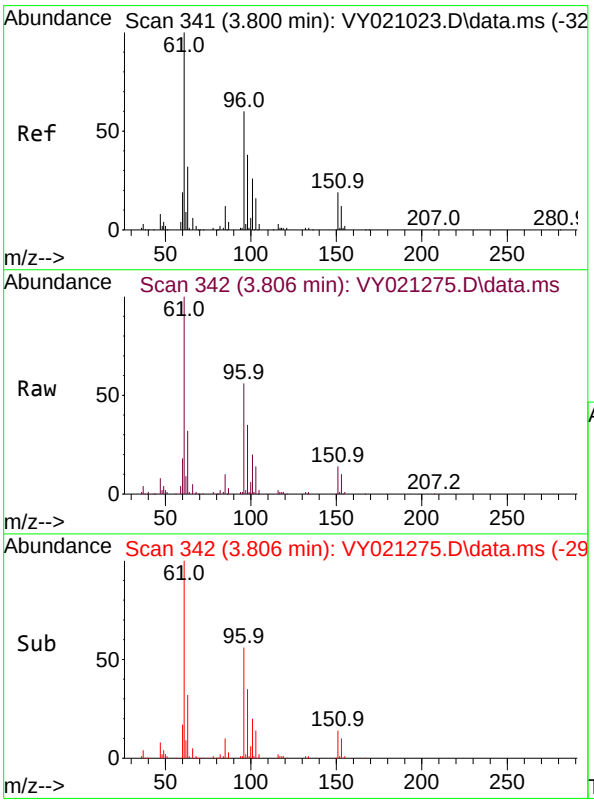

#11
Tert butyl alcohol
Concen: 237.701 ug/l
RT: 4.915 min Scan# 5
Delta R.T. 0.043 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 22221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.5 | 7.4 | 11.0 |

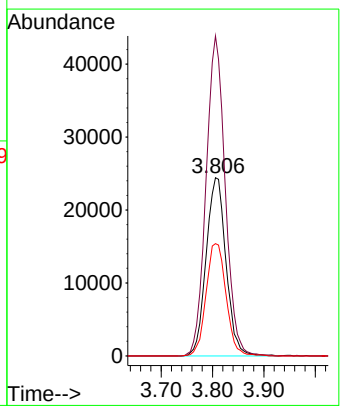


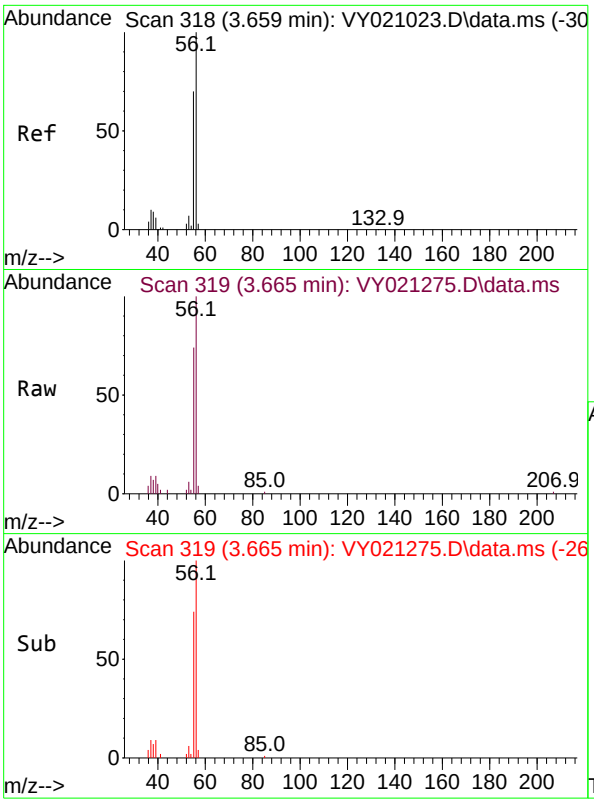




#12
1,1-Dichloroethene
Concen: 51.212 ug/l
RT: 3.806 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 96 Resp: 65745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 179.6 | 124.2 | 186.2 |
| 98 | 63.0 | 52.6 | 79.0 |



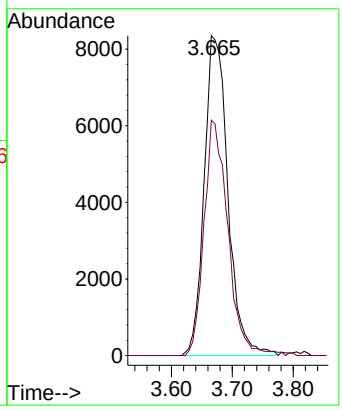


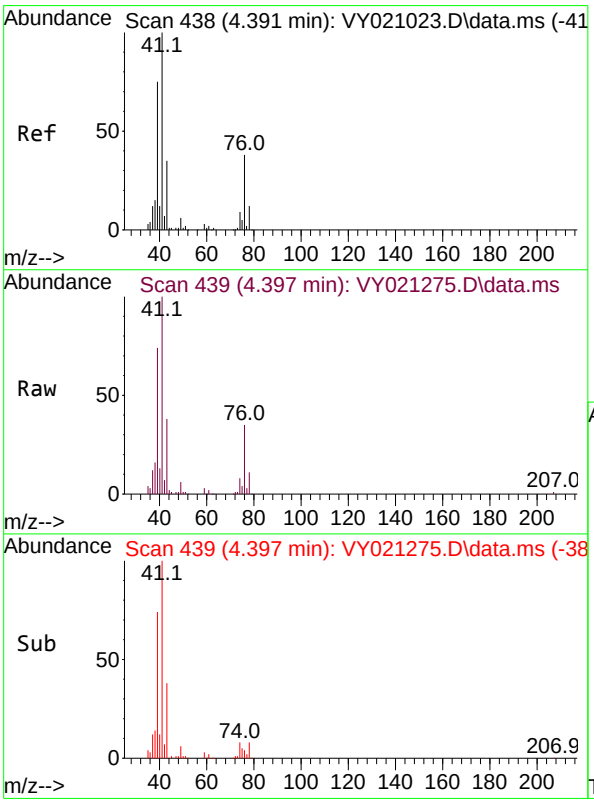

#13
Acrolein
Concen: 157.114 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 22617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.9 | 55.4 | 83.0 |

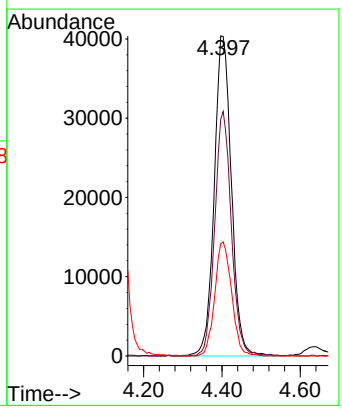


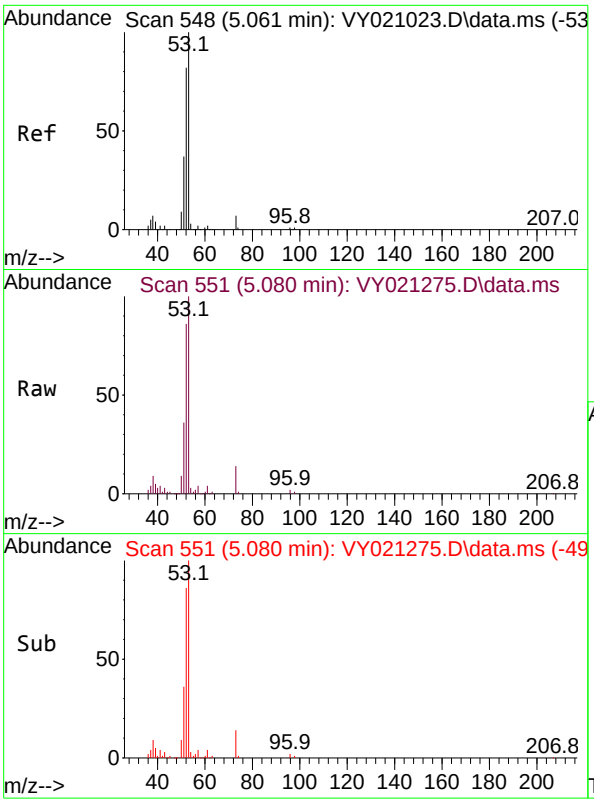




#14
Allyl chloride
Concen: 56.720 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 41 Resp: 122719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.0 | 54.7 | 82.1 |
| 76 | 35.0 | 31.8 | 47.6 |



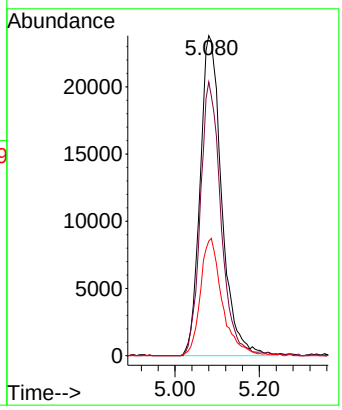


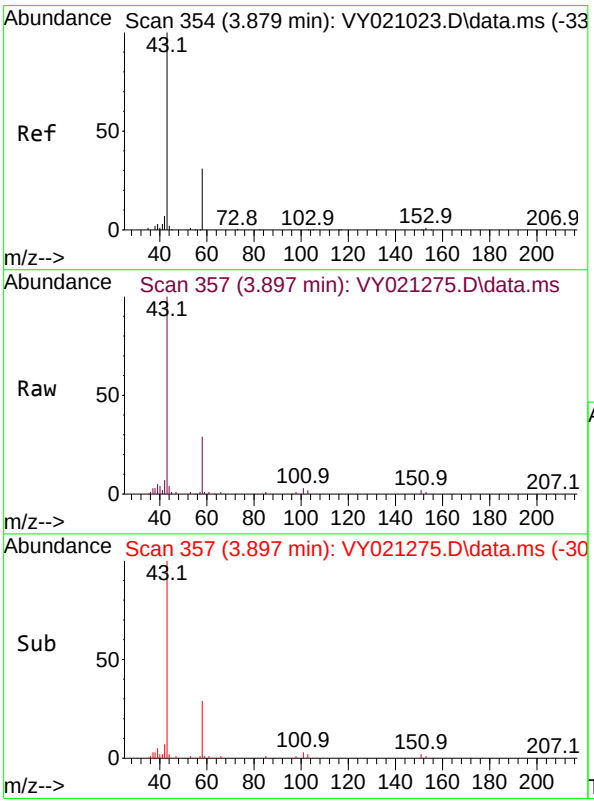

#15
Acrylonitrile
Concen: 299.082 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 84424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.0 | 65.1 | 97.7 |
| 51 | 37.2 | 29.0 | 43.4 |

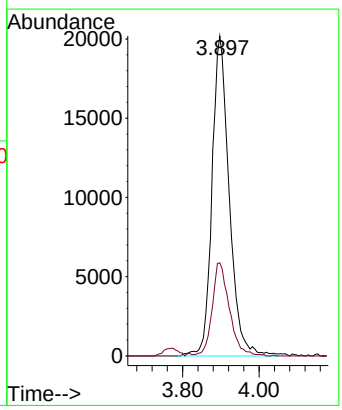


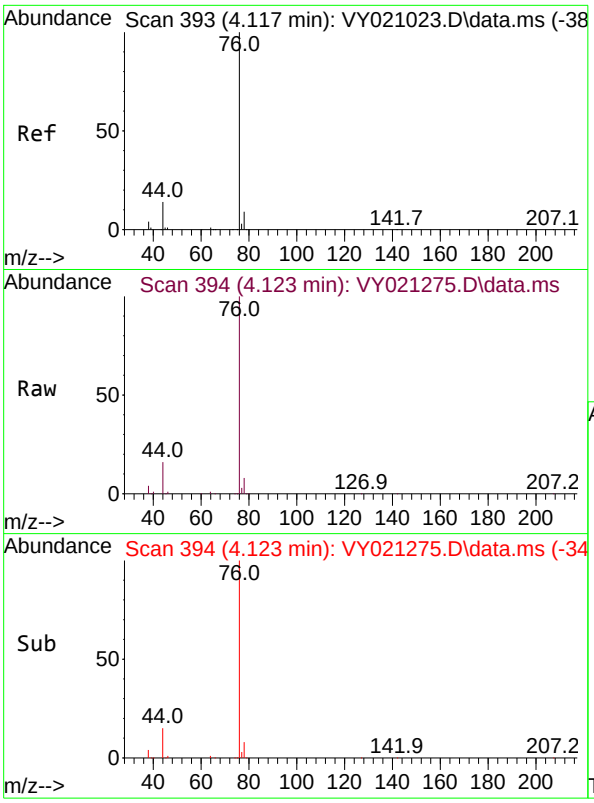




#16
Acetone
Concen: 292.469 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 62919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.1 | 26.6 | 39.8 |



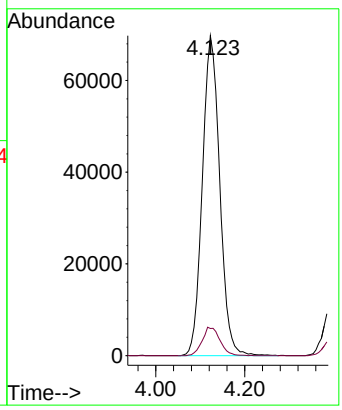


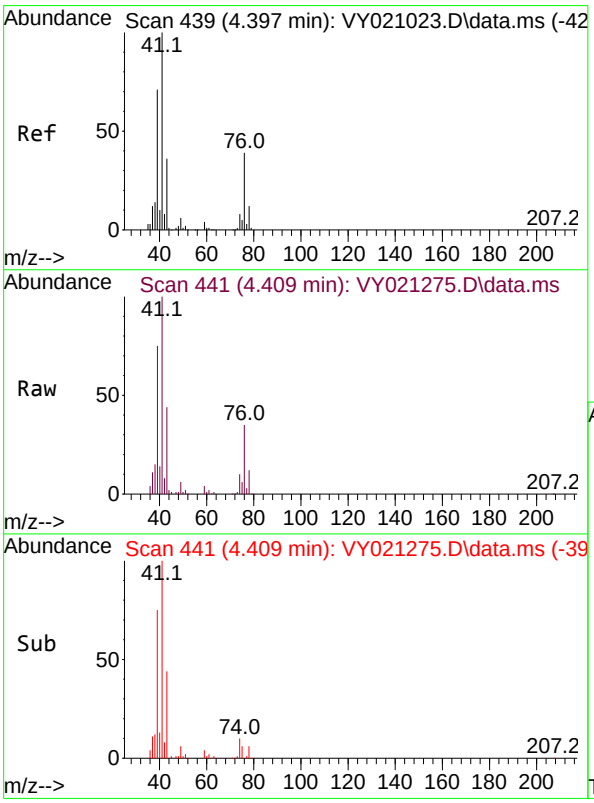

#17
Carbon Disulfide
Concen: 46.891 ug/l
RT: 4.123 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 188763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 7.4 | 11.0 |

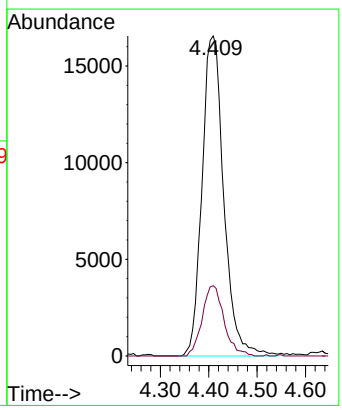


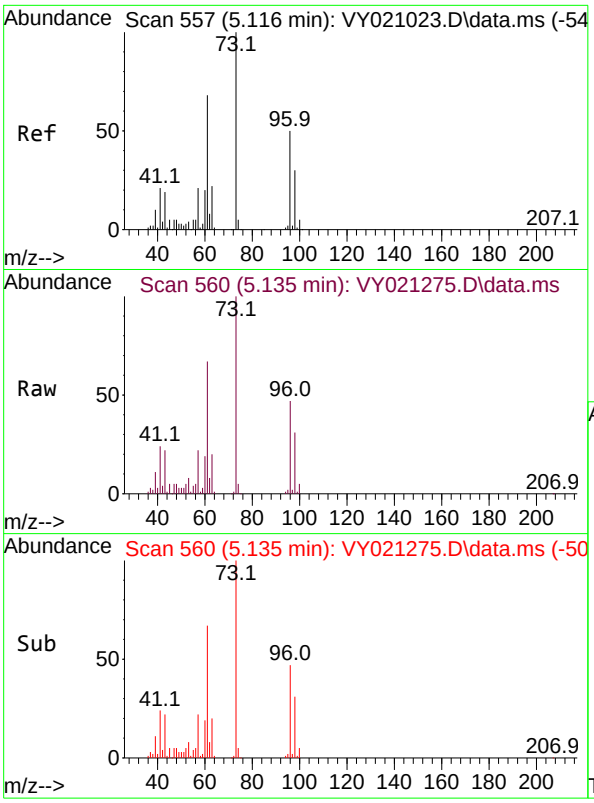




#18
Methyl Acetate
Concen: 68.522 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 51748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.9 | 19.8 | 29.6 |



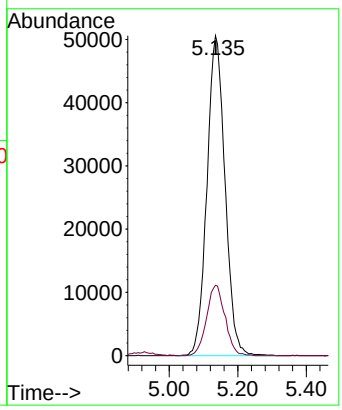


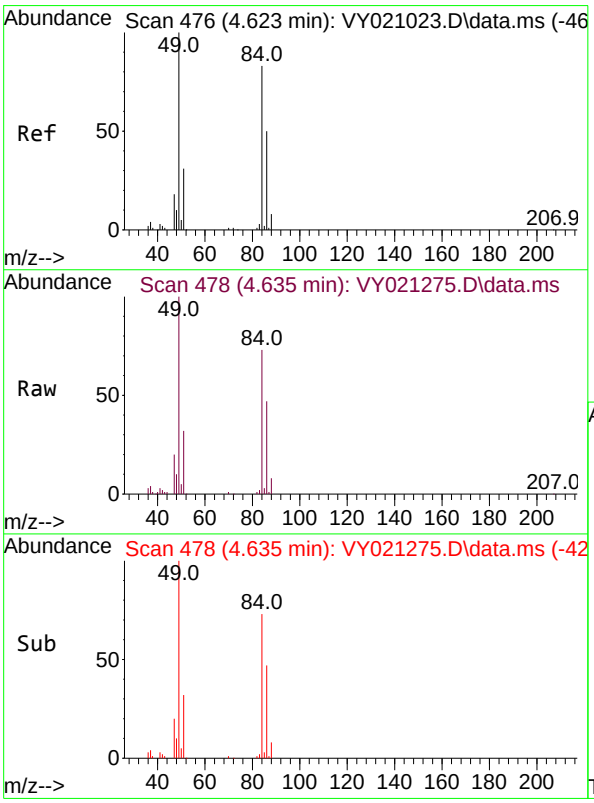

#19
Methyl tert-butyl Ether
Concen: 57.088 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 185238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.0 | 17.7 | 26.5 |

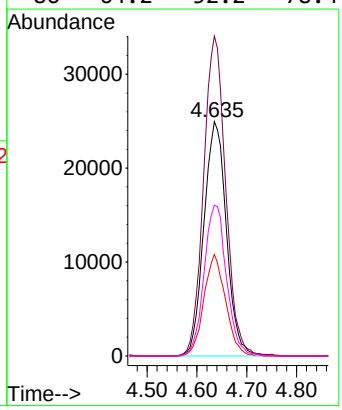


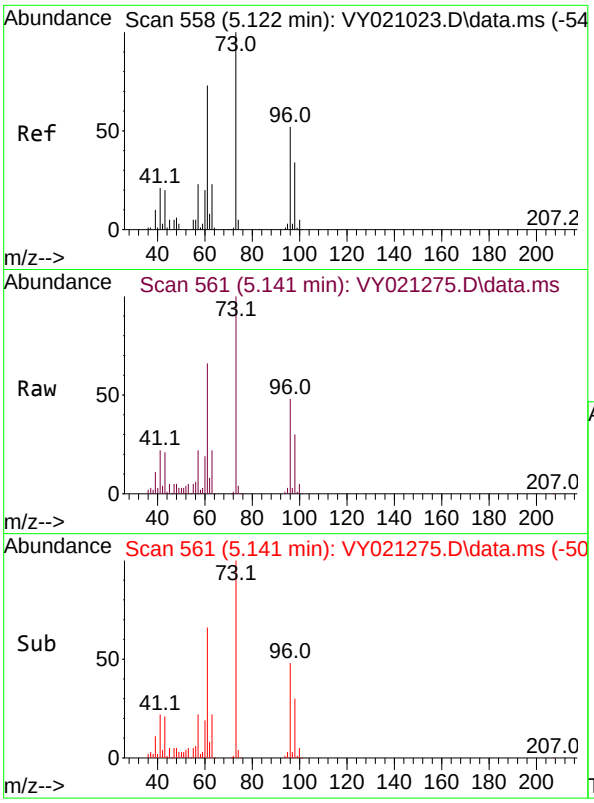




#20
Methylene Chloride
Concen: 58.723 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 84 Resp: 78534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.3 | 95.2 | 142.8 |
| 51 | 43.3 | 29.9 | 44.9 |
| 86 | 64.2 | 52.2 | 78.4 |



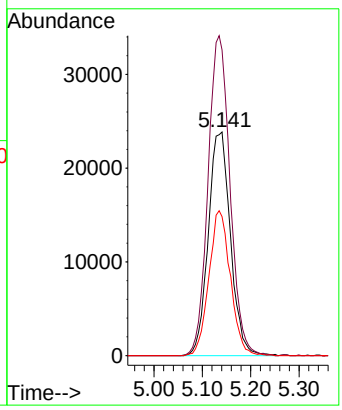


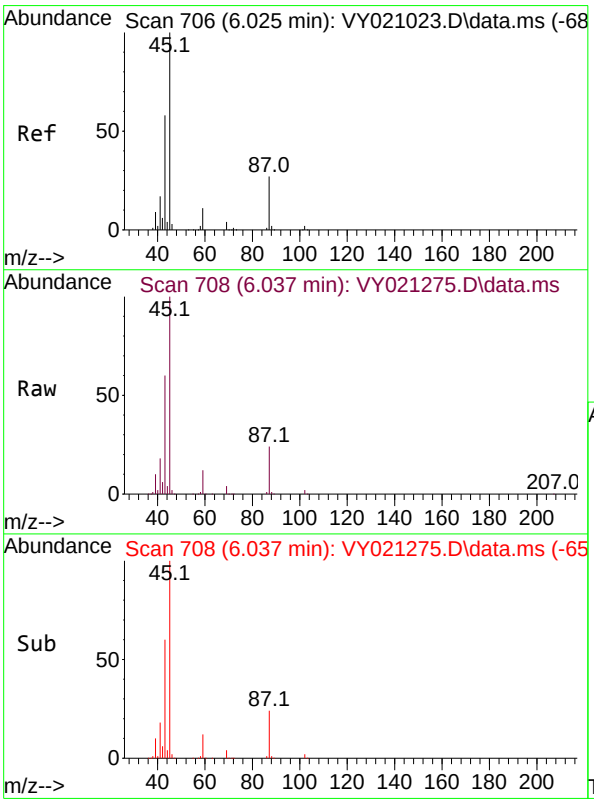

#21
trans-1,2-Dichloroethene
Concen: 53.821 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 76055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.7 | 104.6 | 156.8 |
| 98 | 62.2 | 50.9 | 76.3 |

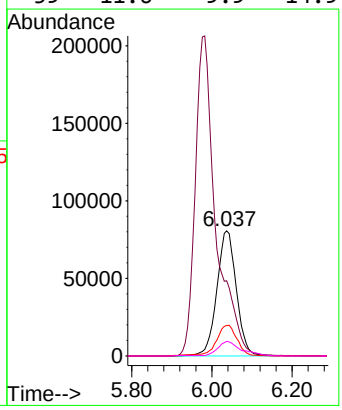


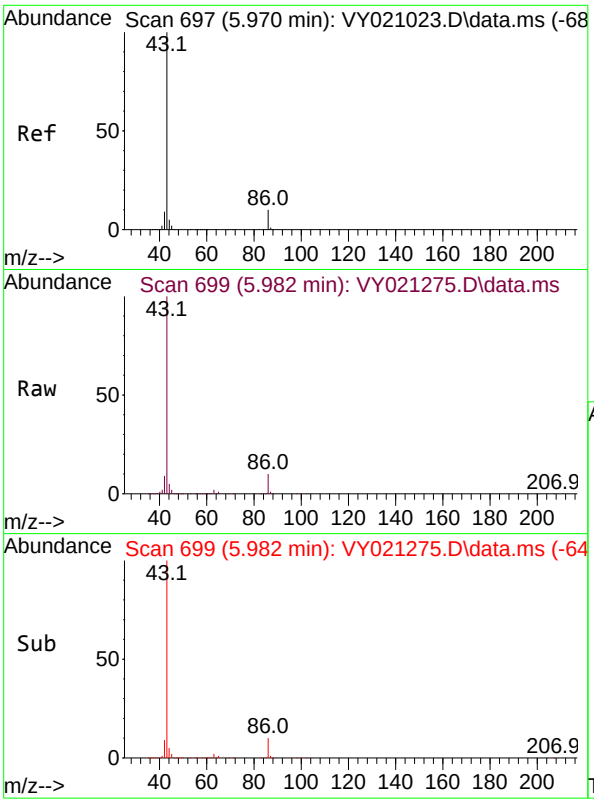




#22
Diisopropyl ether
Concen: 60.874 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 45 Resp: 271476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 59.8 | 46.8 | 70.2 |
| 87 | 24.3 | 22.2 | 33.2 |
| 59 | 11.6 | 9.9 | 14.9 |



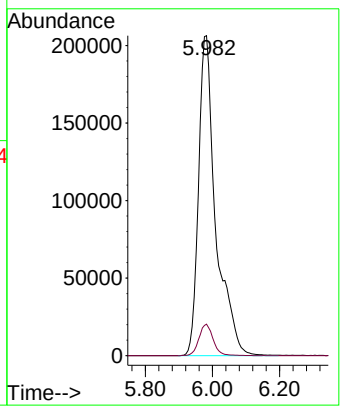


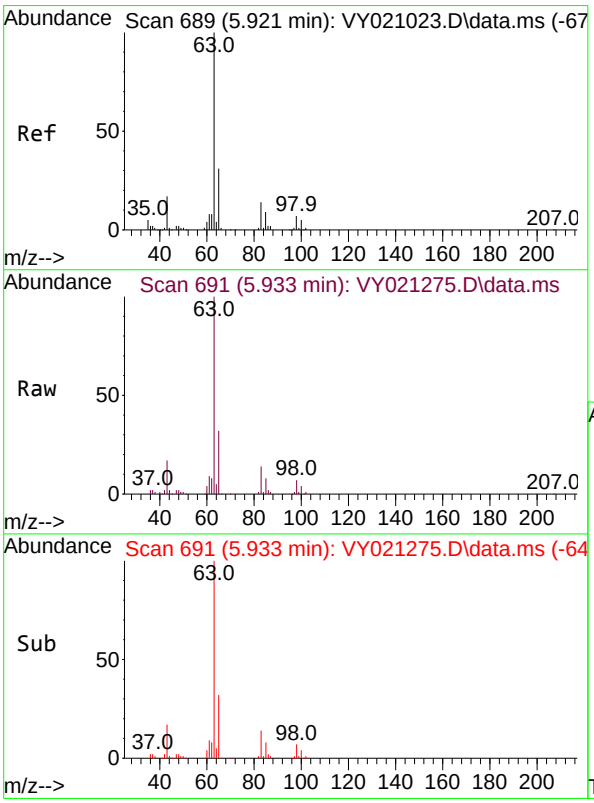

#23
Vinyl Acetate
Concen: 295.758 ug/l
RT: 5.982 min Scan# 69
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 735278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.8 | 8.6 | 13.0 |

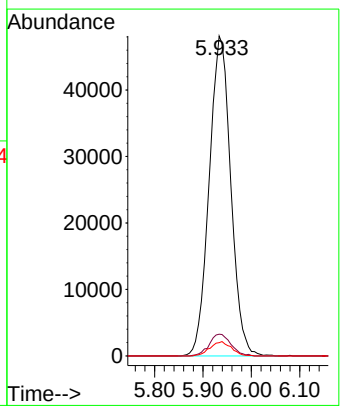


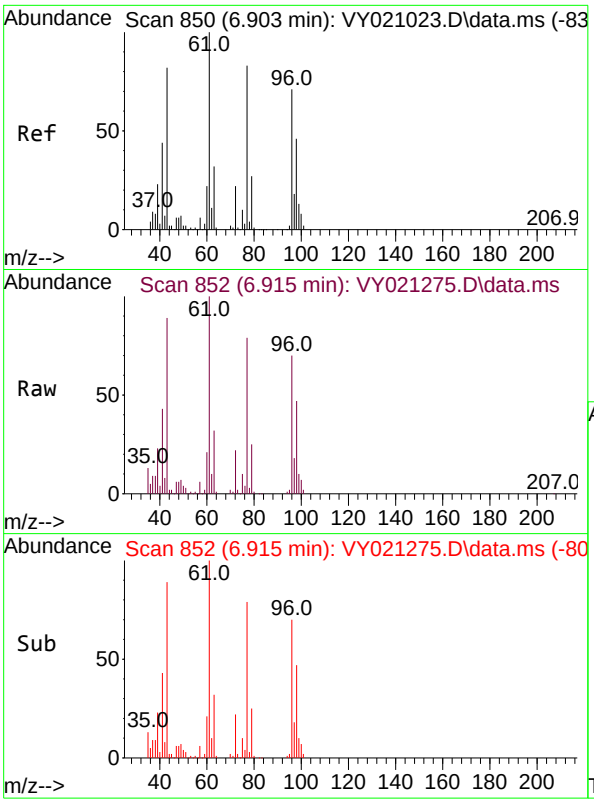




#24
1,1-Dichloroethane
Concen: 57.076 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 63 Resp: 149132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.8 | 11.4 |
| 100 | 4.1 | 2.1 | 6.2 |



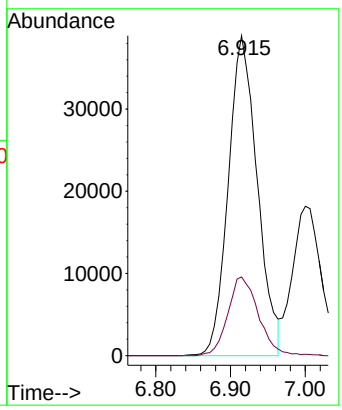


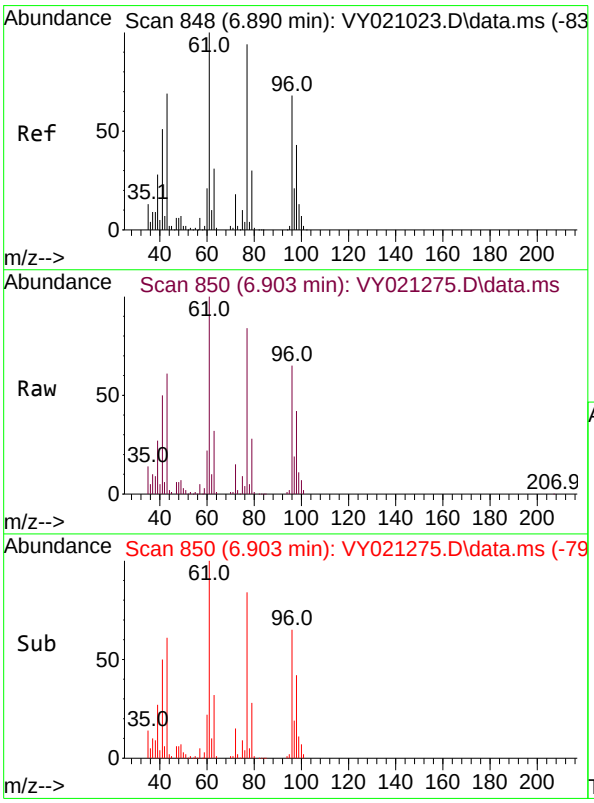

#25
2-Butanone
Concen: 297.023 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 105003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 21.4 | 32.2 |

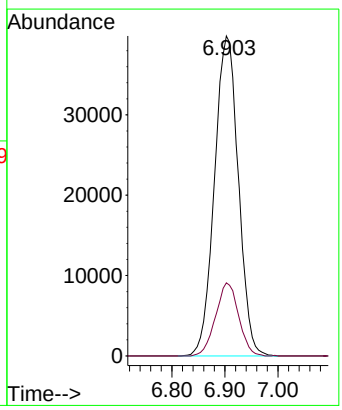


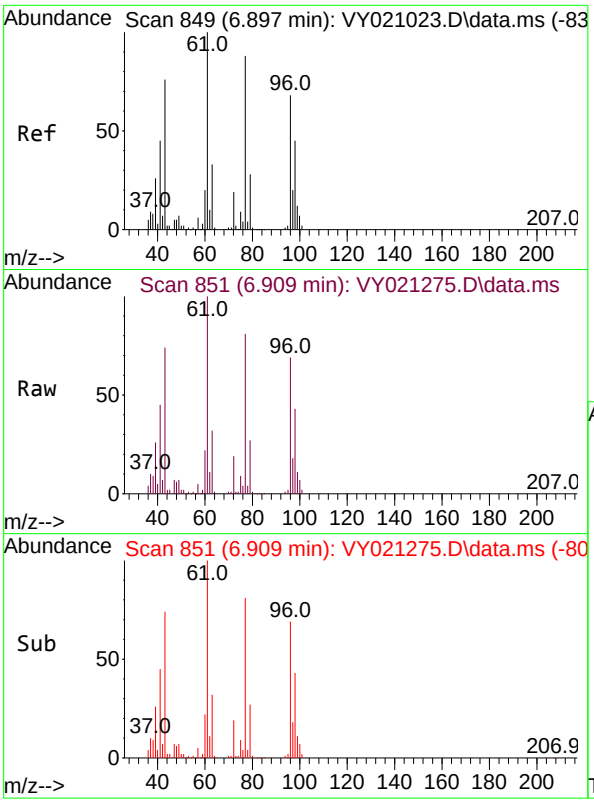




#26
2,2-Dichloropropane
Concen: 51.467 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 77 Resp: 124428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 11.7 | 35.0 |



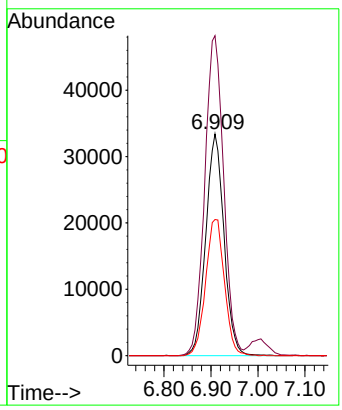


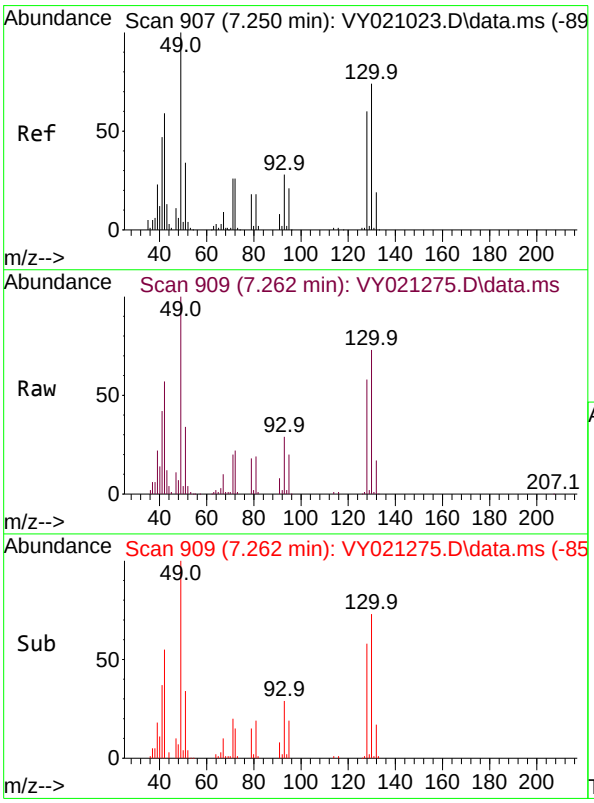

#27
cis-1,2-Dichloroethene
Concen: 55.391 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 90095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.9 | 0.0 | 278.8 |
| 98 | 63.5 | 0.0 | 127.0 |

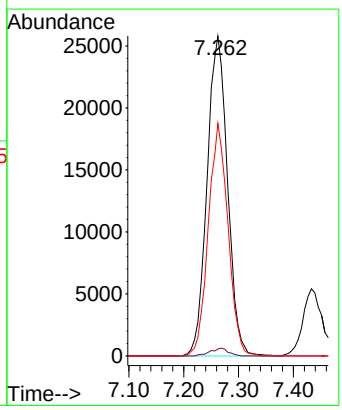


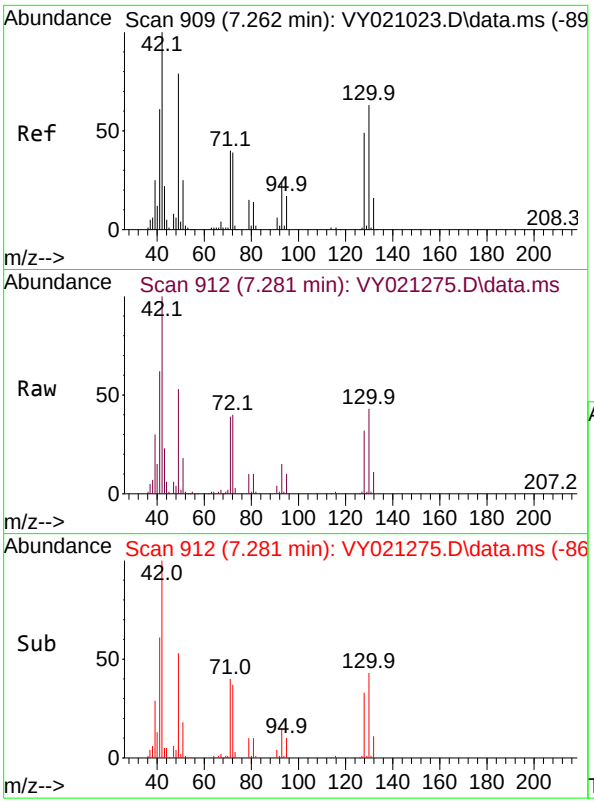




#28
Bromochloromethane
Concen: 64.798 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 49 Resp: 66949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 3.8 |
| 130 | 69.9 | 59.8 | 89.8 |



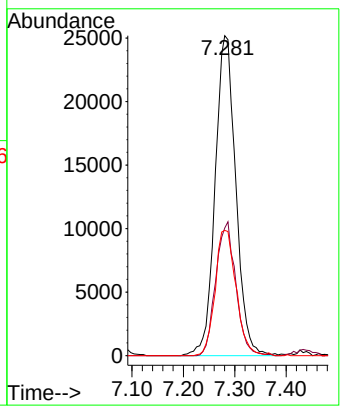


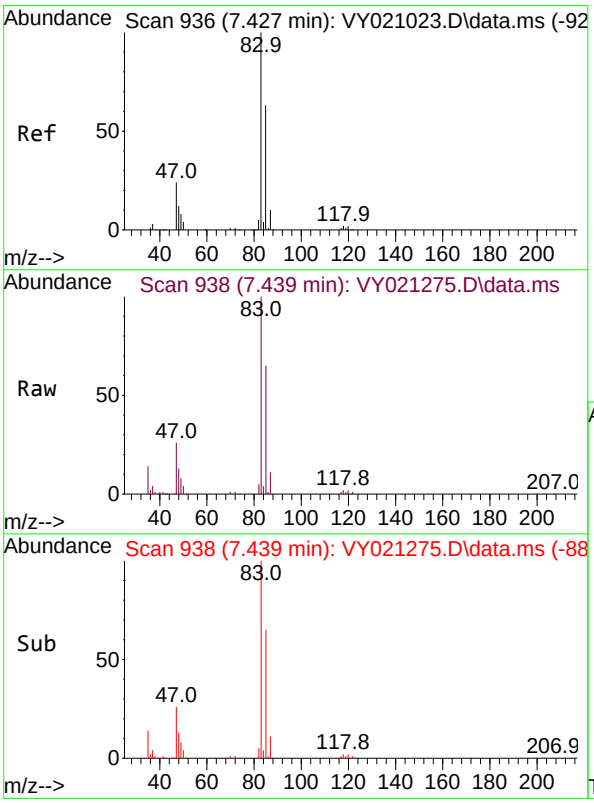

#29
Tetrahydrofuran
Concen: 294.152 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 70365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.5 | 36.6 | 54.8 |
| 71 | 39.6 | 33.8 | 50.6 |

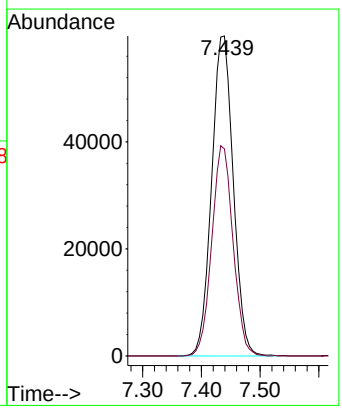


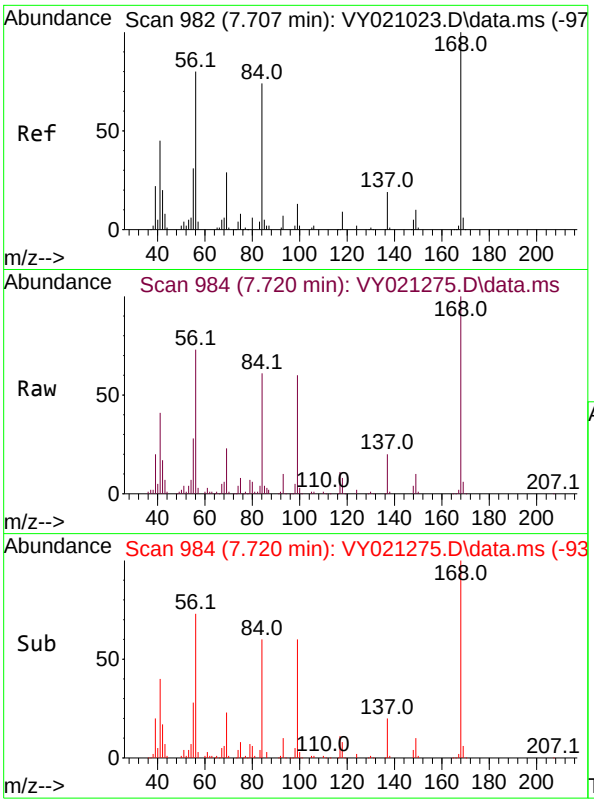




#30
Chloroform
Concen: 56.956 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 83 Resp: 152860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.2 | 76.8 |



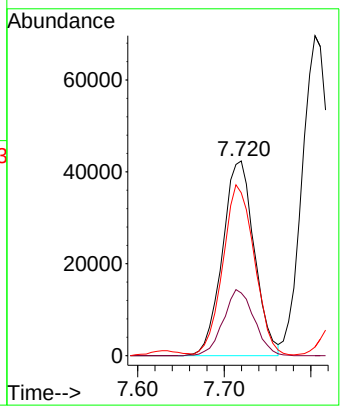


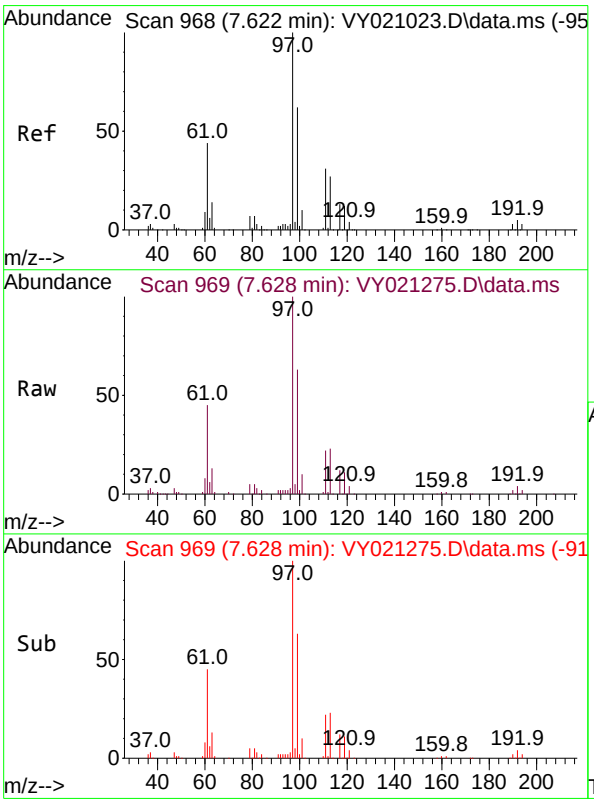

#31
Cyclohexane
Concen: 46.238 ug/l
RT: 7.720 min Scan# 98
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 108795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 27.0 | 40.6 |
| 84 | 81.9 | 71.8 | 107.6 |

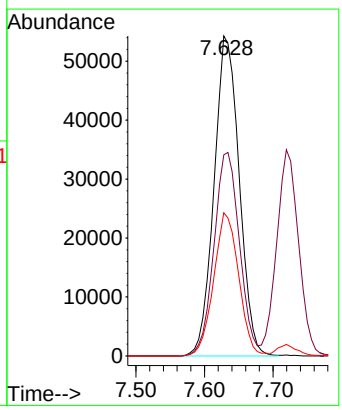


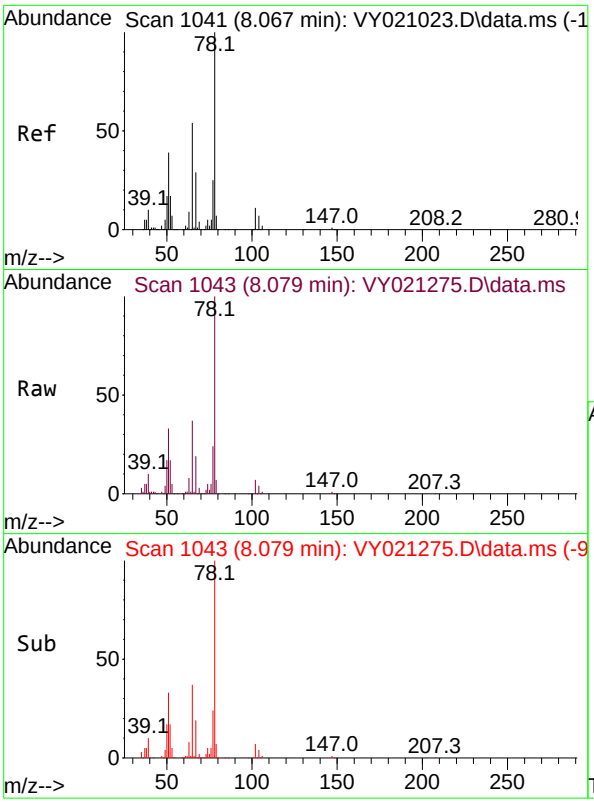




#32
1,1,1-Trichloroethane
Concen: 55.572 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 97 Resp: 138665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 51.2 | 76.8 |
| 61 | 44.5 | 35.0 | 52.6 |



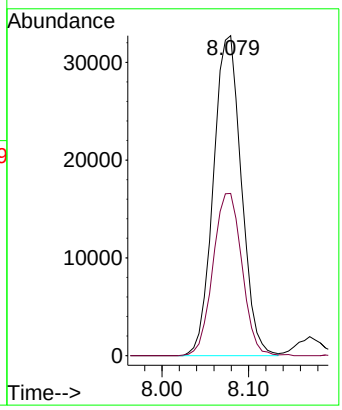


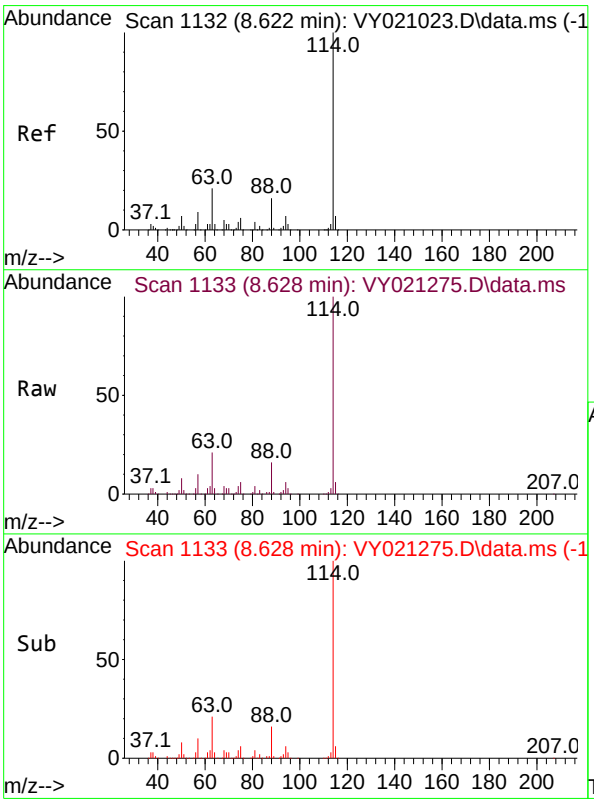

#33
1,2-Dichloroethane-d4
Concen: 53.279 ug/l
RT: 8.079 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 73499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 109.0 |

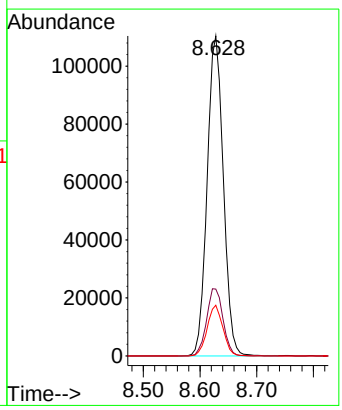


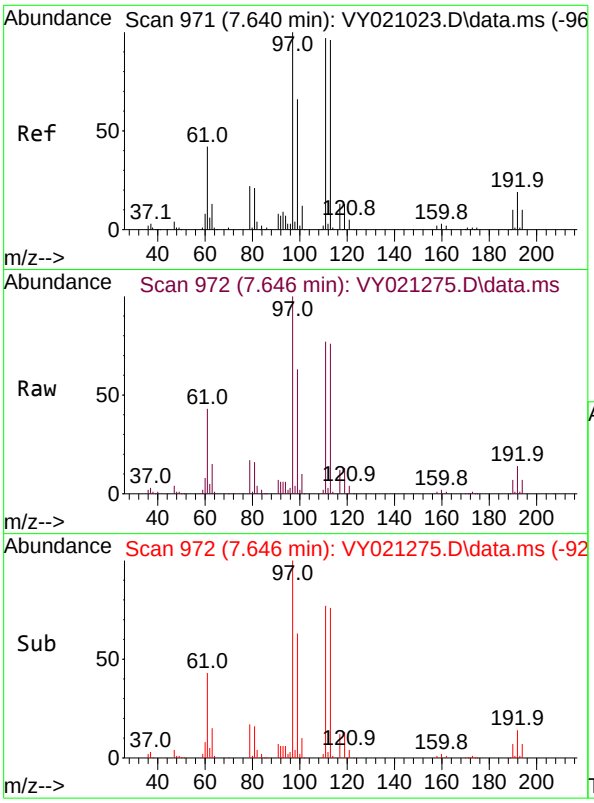




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:114 Resp: 218893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 37.4 |
| 88 | 15.8 | 0.0 | 29.0 |



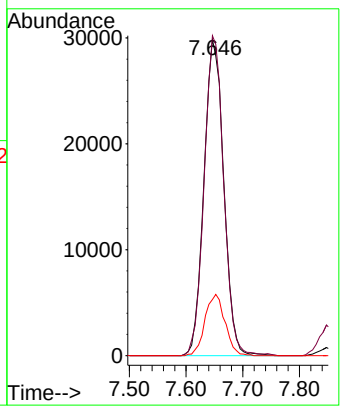


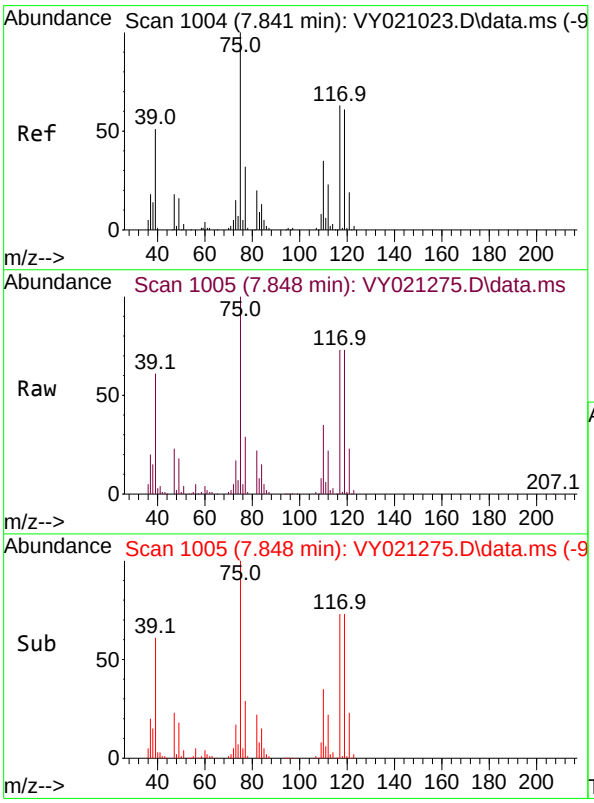

#35
Dibromofluoromethane
Concen: 51.569 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 72342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.2 | 83.8 | 125.6 |
| 192 | 19.6 | 14.5 | 21.7 |

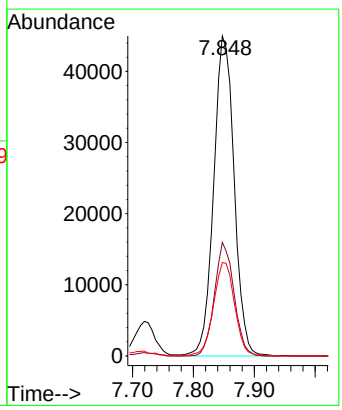


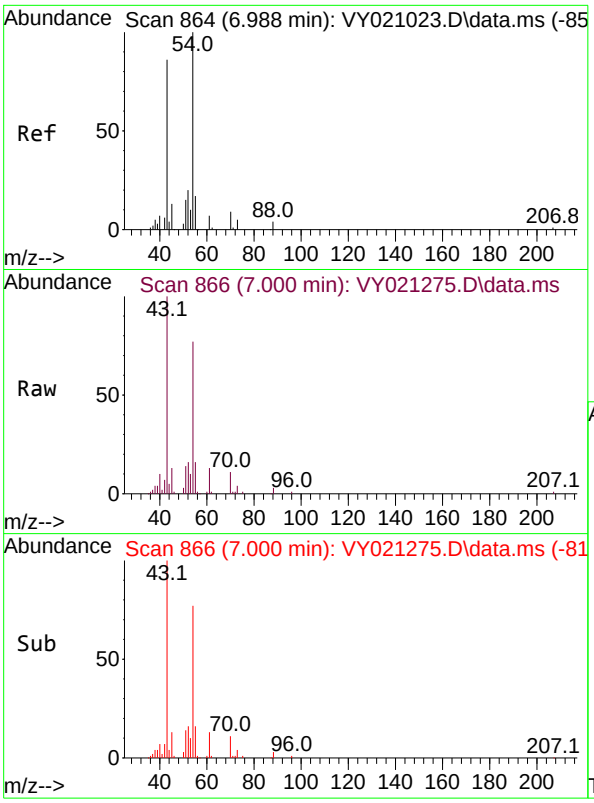




#36
1,1-Dichloropropene
Concen: 50.550 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 75 Resp: 105033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 17.4 | 52.3 |
| 77 | 30.1 | 24.7 | 37.1 |



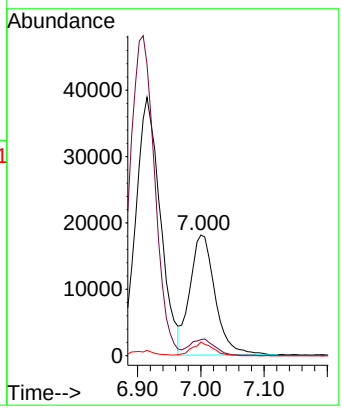


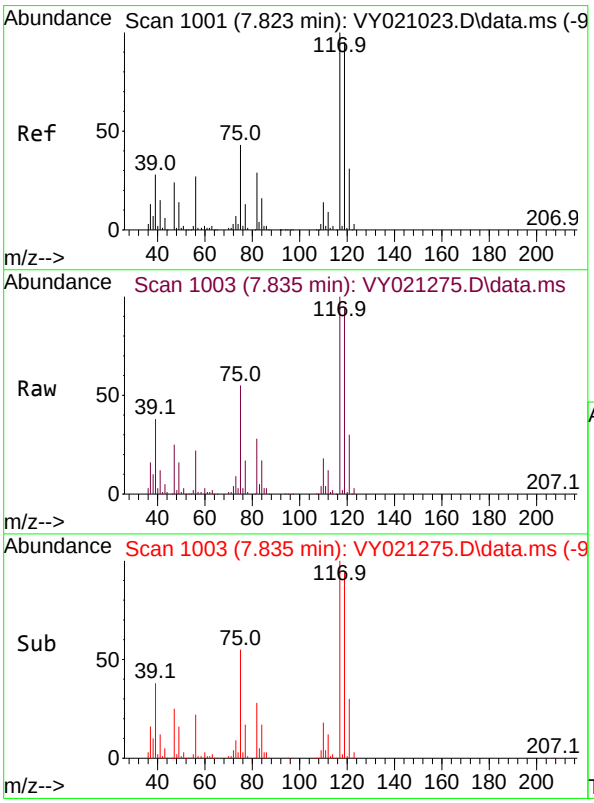

#37
Ethyl Acetate
Concen: 55.122 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 50245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 11.0 | 16.6 |
| 70 | 9.2 | 8.1 | 12.1 |

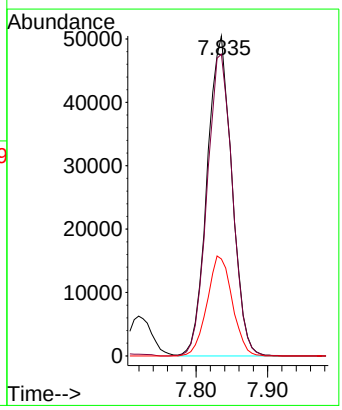


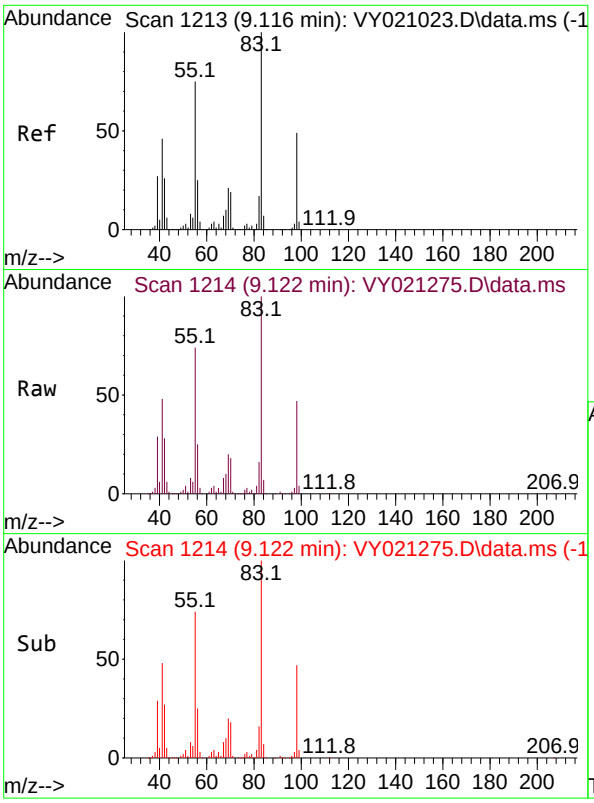




#38
Carbon Tetrachloride
Concen: 49.912 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:117 Resp: 121178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.2 | 76.0 | 114.0 |
| 121 | 30.3 | 24.2 | 36.2 |



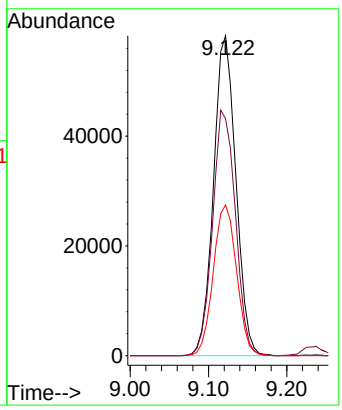


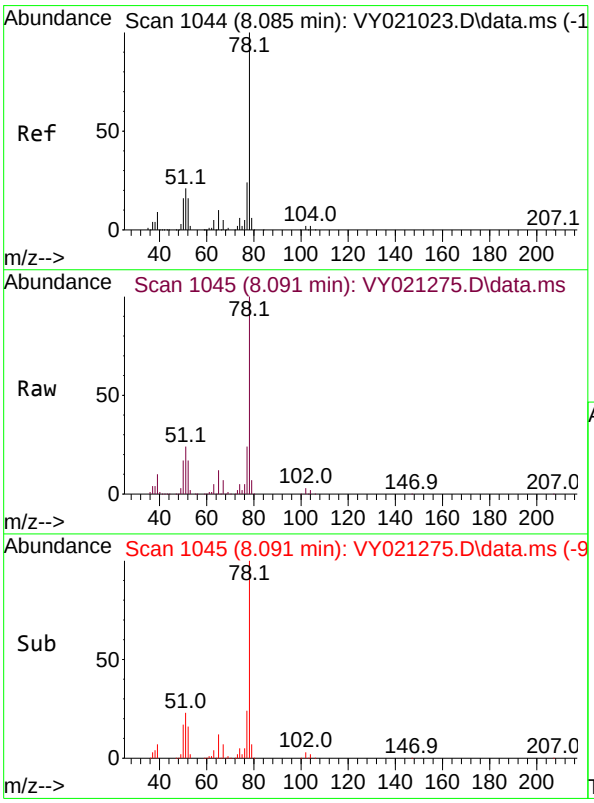

#39
Methylcyclohexane
Concen: 45.490 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 115614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.0 | 59.7 | 89.5 |
| 98 | 47.1 | 38.0 | 57.0 |

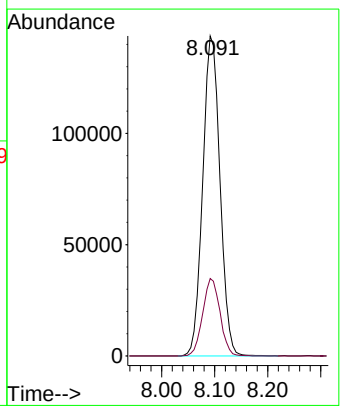


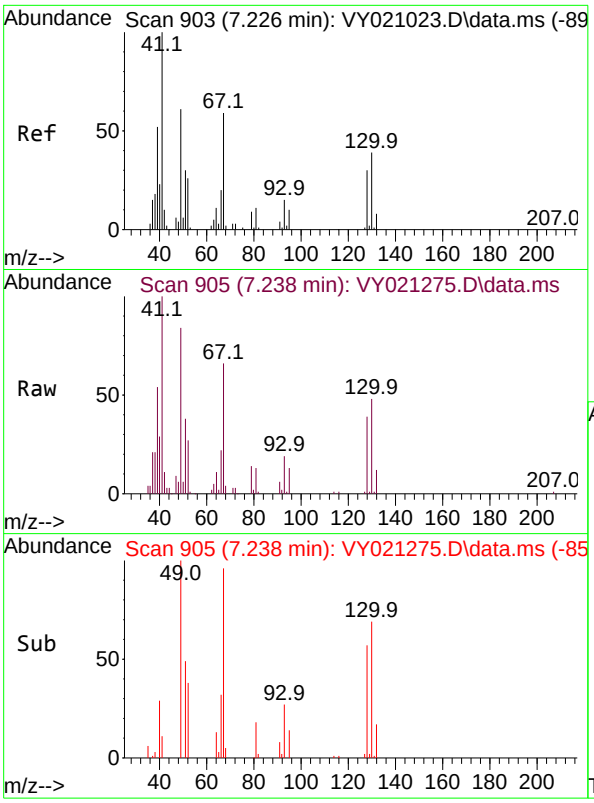




#40
Benzene
Concen: 53.166 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 78 Resp: 324187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.2 | 18.8 | 28.2 |



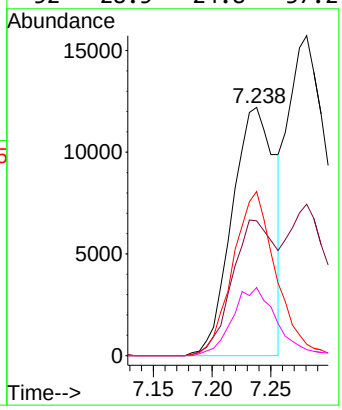


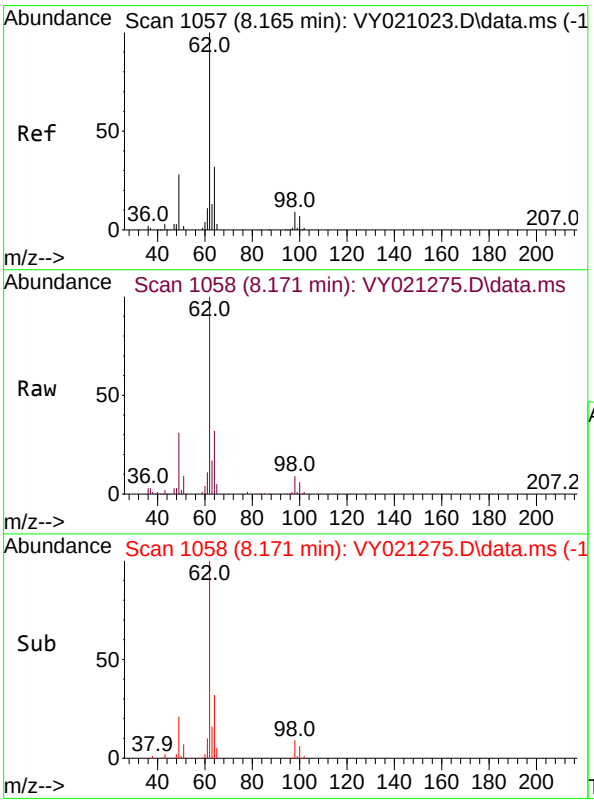

#41
Methacrylonitrile
Concen: 58.909 ug/l
RT: 7.238 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 31065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.4 | 41.9 | 62.9 |
| 67 | 66.7 | 59.8 | 89.6 |
| 52 | 28.5 | 24.8 | 37.2 |

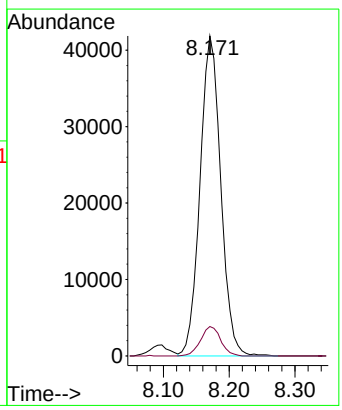


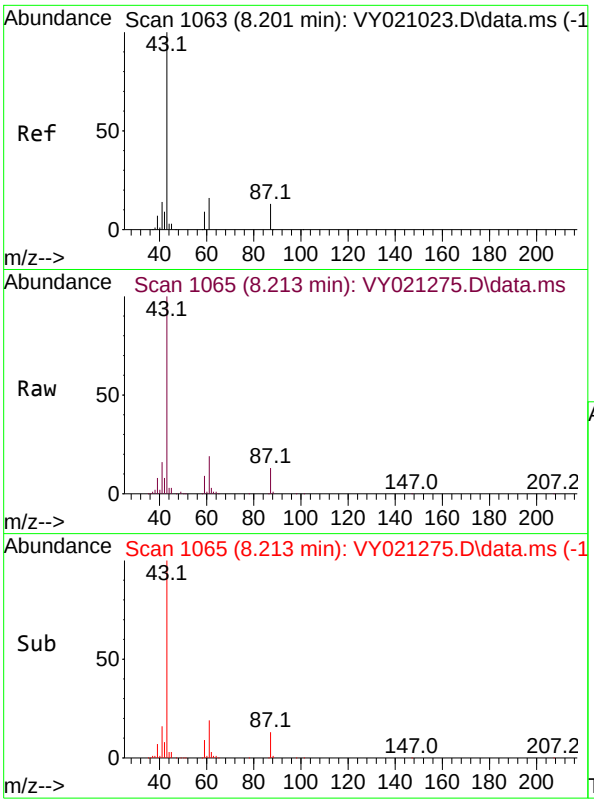




#42
1,2-Dichloroethane
Concen: 54.268 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 62 Resp: 91794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 20.2 |



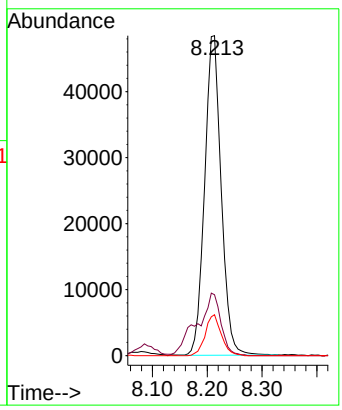


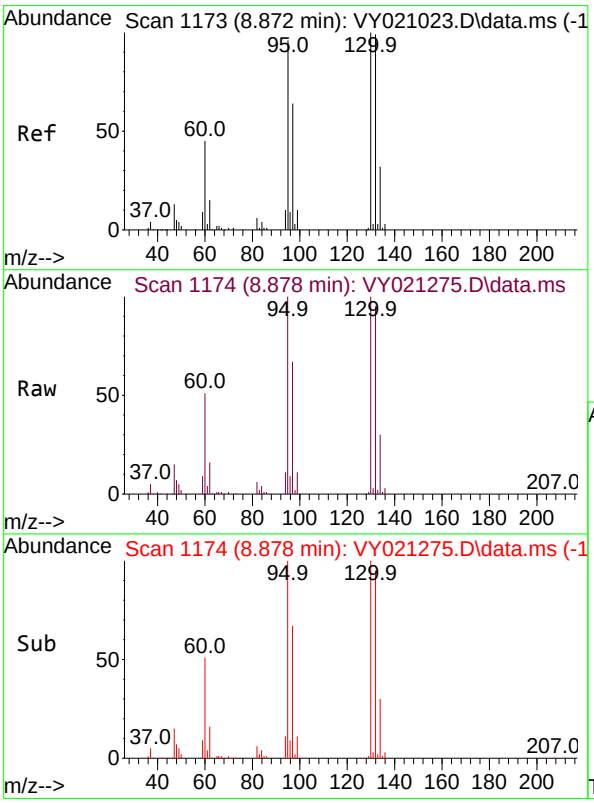

#43
Isopropyl Acetate
Concen: 56.240 ug/l
RT: 8.213 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 101862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 28.2 | 24.8 | 37.2 |
| 87 | 12.4 | 10.7 | 16.1 |

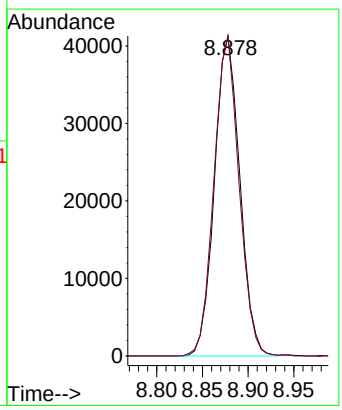


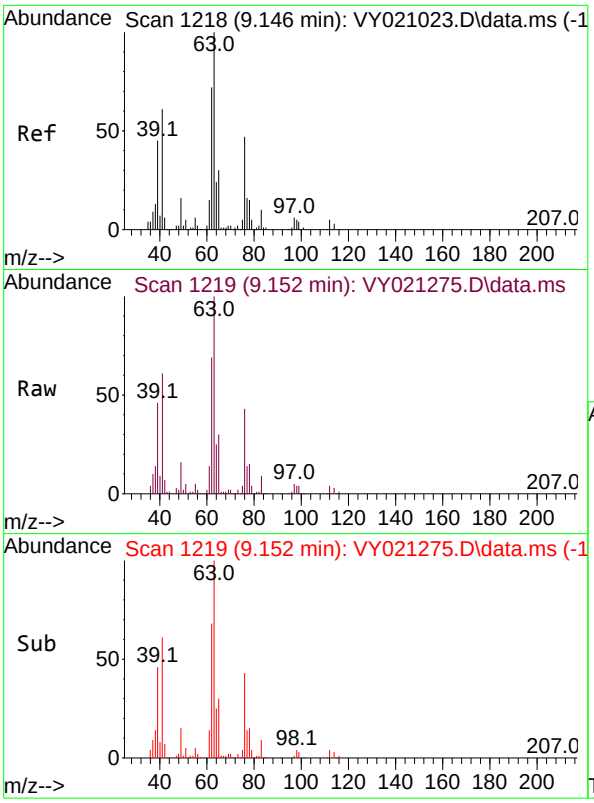




#44
Trichloroethene
Concen: 50.313 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:130 Resp: 79263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.2 | 0.0 | 203.8 |



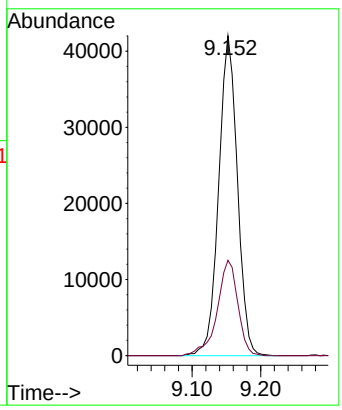


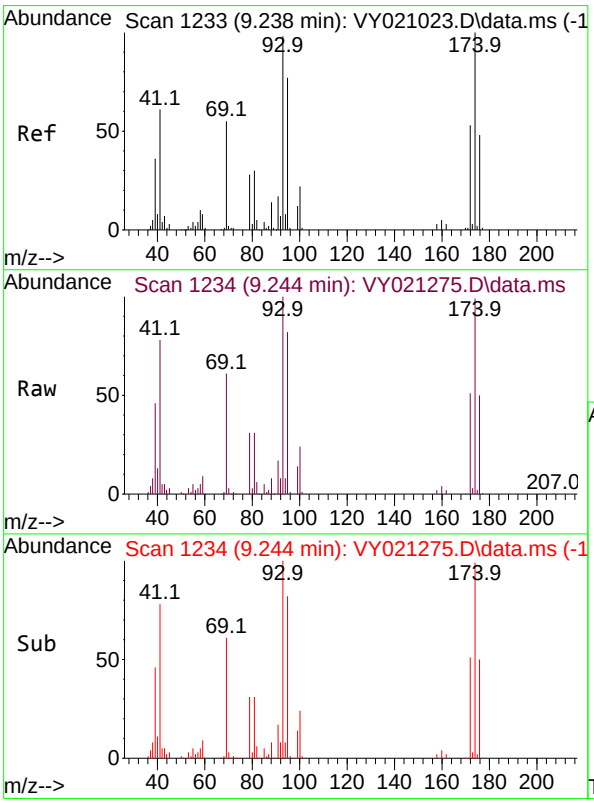

#45
1,2-Dichloropropane
Concen: 55.222 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 79921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.8 | 24.6 | 36.8 |

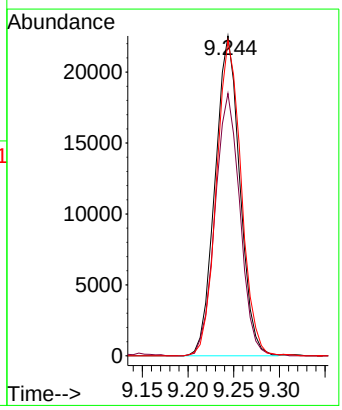


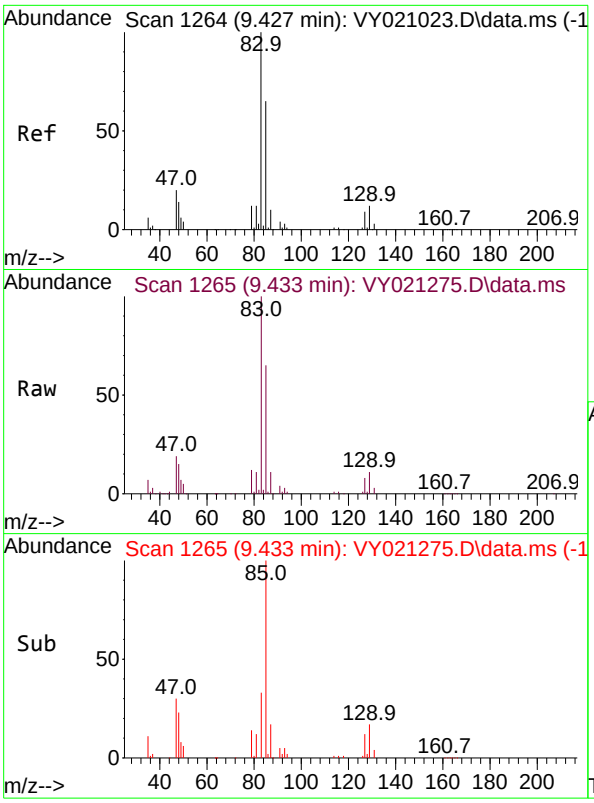




#46
Dibromomethane
Concen: 52.936 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 93 Resp: 42419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 66.6 | 99.8 |
| 174 | 98.6 | 73.8 | 110.6 |



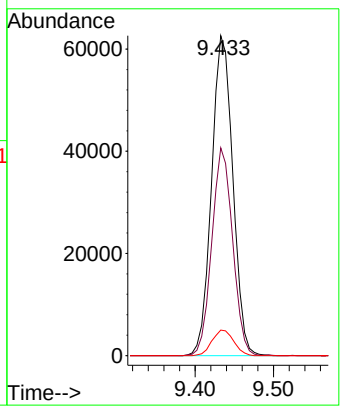


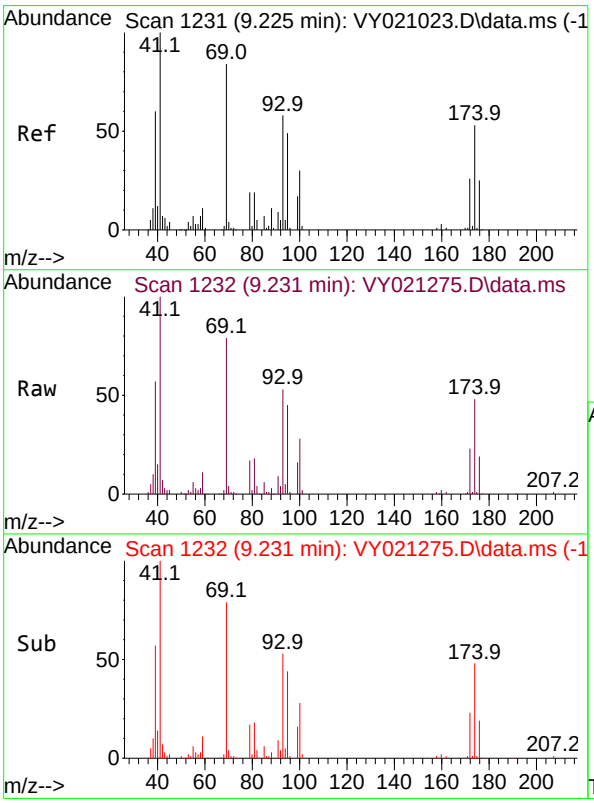

#47
Bromodichloromethane
Concen: 54.838 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 117853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 53.2 | 79.8 |
| 127 | 8.0 | 6.4 | 9.6 |

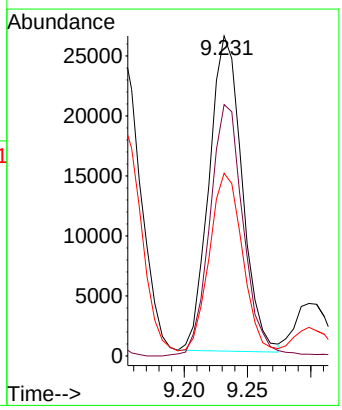


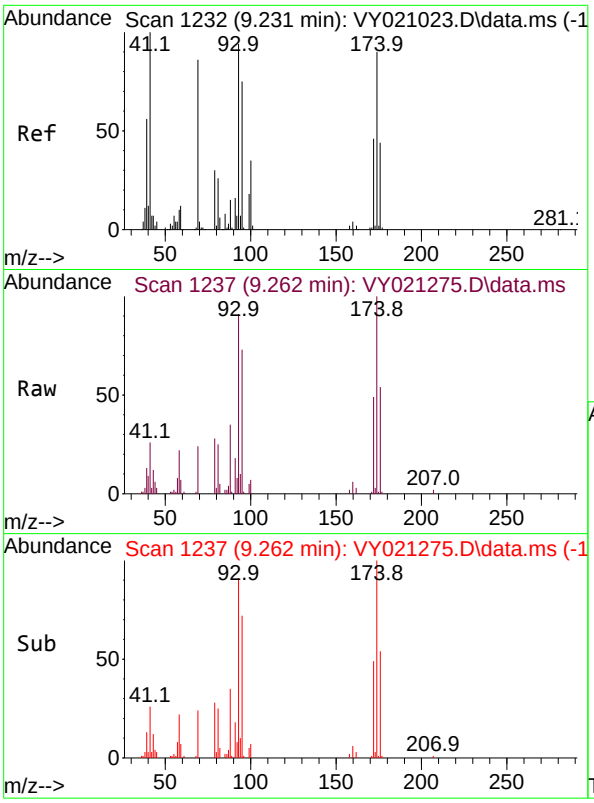




#48
Methyl methacrylate
Concen: 57.687 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 41 Resp: 47593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 81.3 | 72.1 | 108.1 |
| 39 | 59.8 | 42.8 | 64.2 |



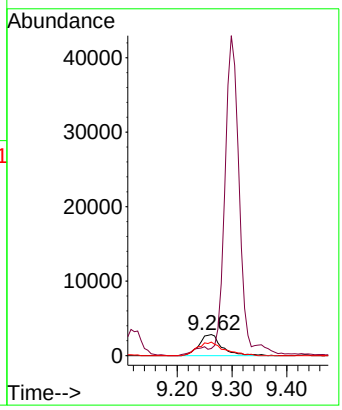


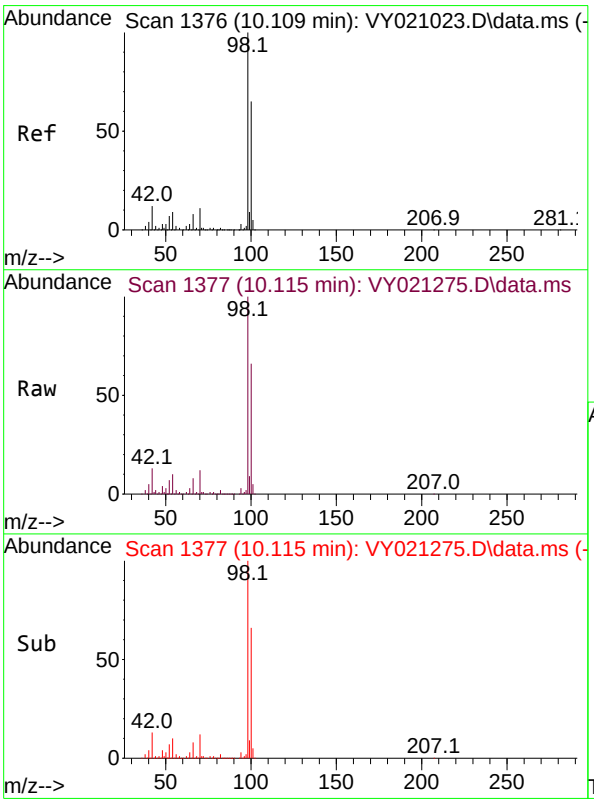

#49
1,4-Dioxane
Concen: 1081.002 ug/l
RT: 9.262 min Scan# 1
Delta R.T. 0.030 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 8064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 27.9 | 28.2 | 42.4# |
| 58 | 75.3 | 52.2 | 78.2 |

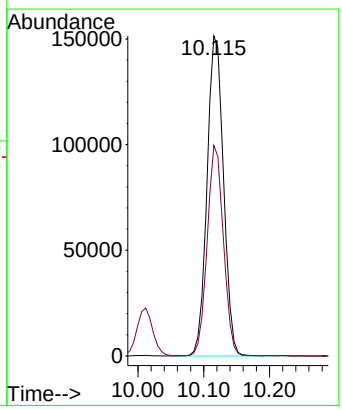


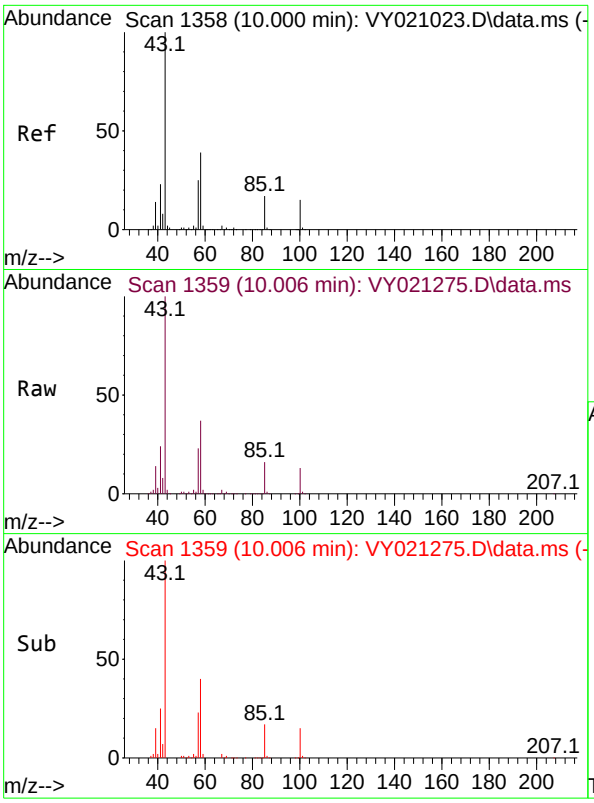




#50
Toluene-d8
Concen: 49.121 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 98 Resp: 262335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 52.3 | 78.5 |



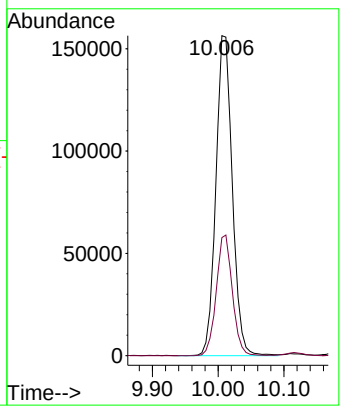


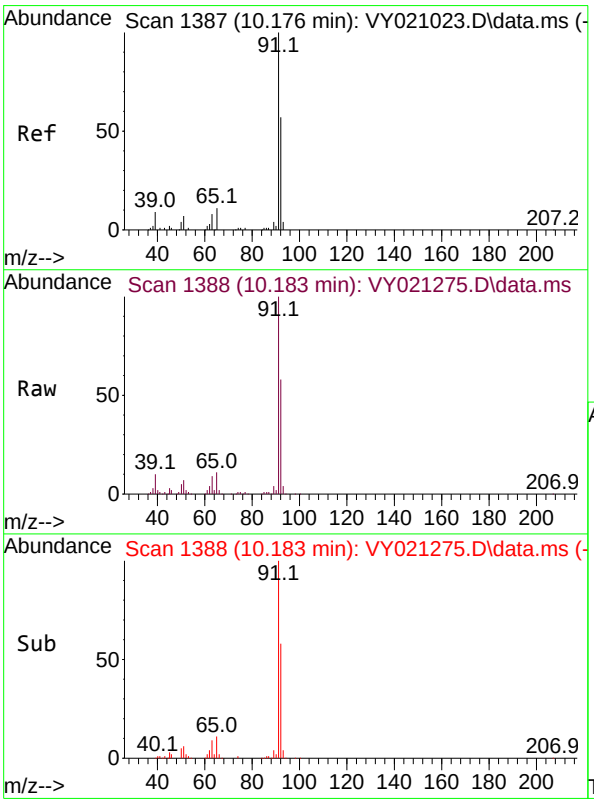

#51
4-Methyl-2-Pentanone
Concen: 296.038 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 269630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 32.2 | 48.2 |

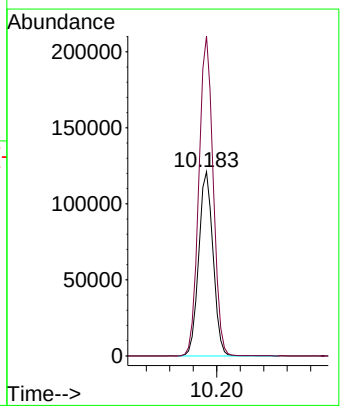


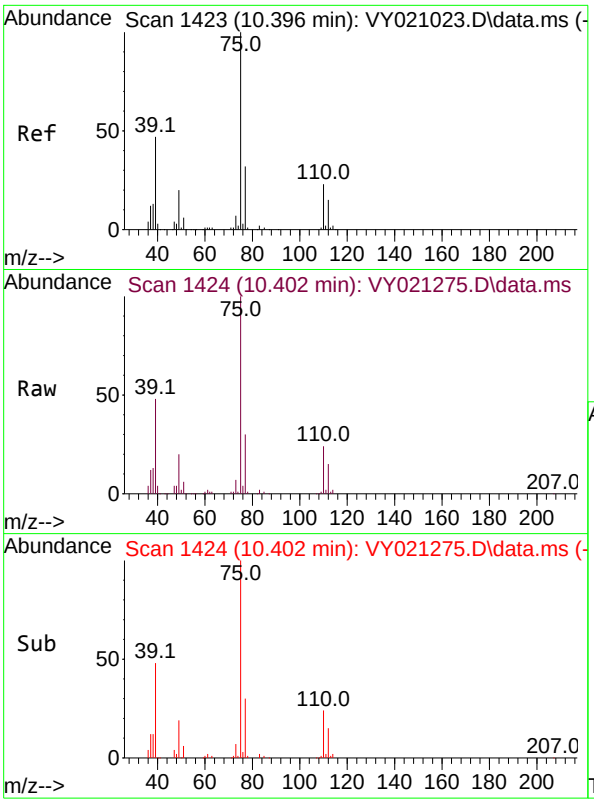




#52
Toluene
Concen: 53.414 ug/l
RT: 10.183 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 92 Resp: 204505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.9 | 137.6 | 206.4 |



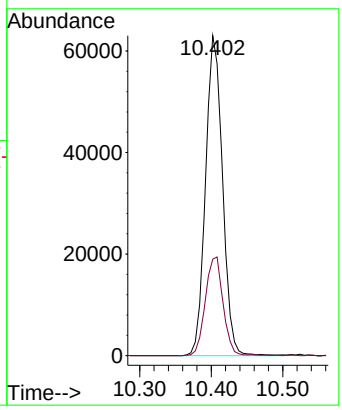


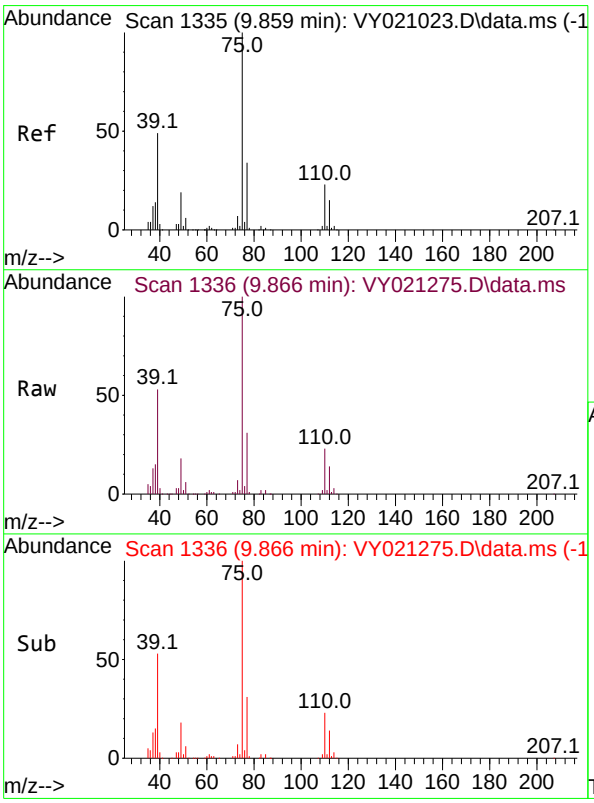

#53
t-1,3-Dichloropropene
Concen: 53.911 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 104033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.1 | 24.6 | 36.8 |

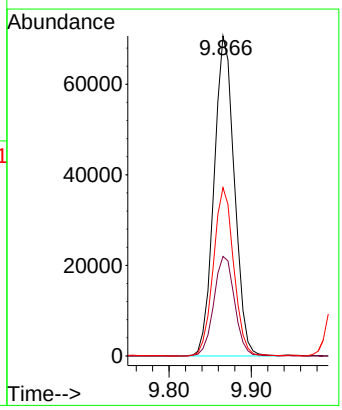


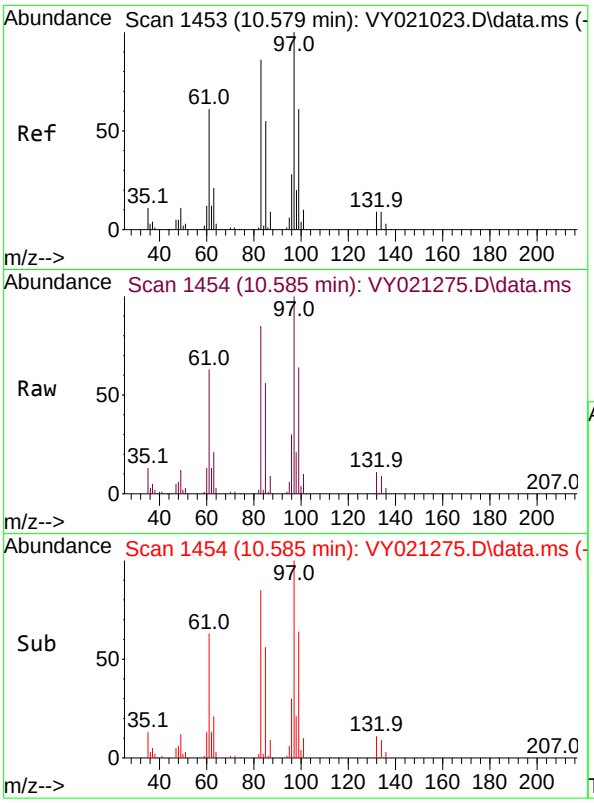




#54
cis-1,3-Dichloropropene
Concen: 53.134 ug/l
RT: 9.866 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 75 Resp: 121404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 24.6 | 36.8 |
| 39 | 52.6 | 33.6 | 50.4# |



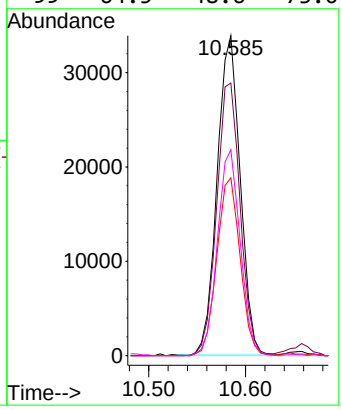


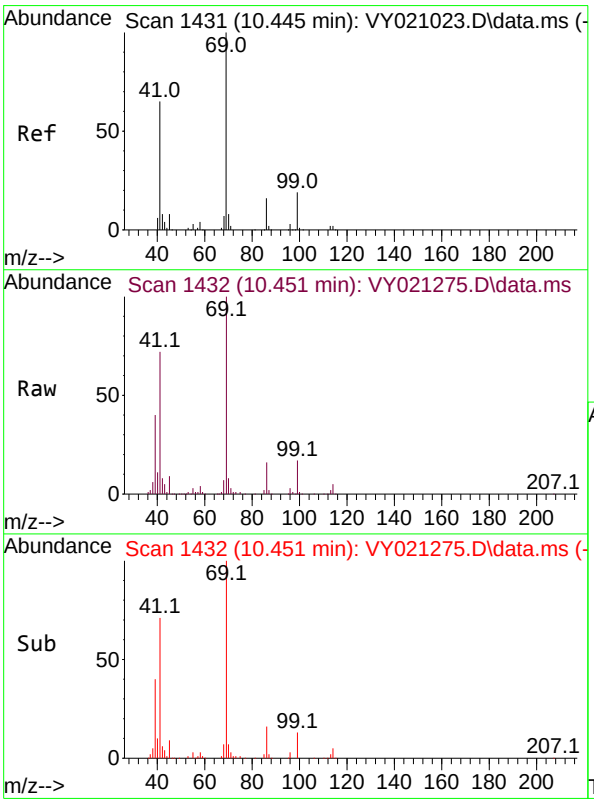

#55
1,1,2-Trichloroethane
Concen: 54.028 ug/l
RT: 10.585 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 56063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.4 | 69.4 | 104.2 |
| 85 | 55.7 | 43.9 | 65.9 |
| 99 | 64.5 | 48.6 | 73.0 |

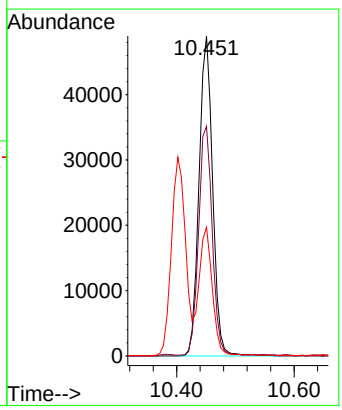


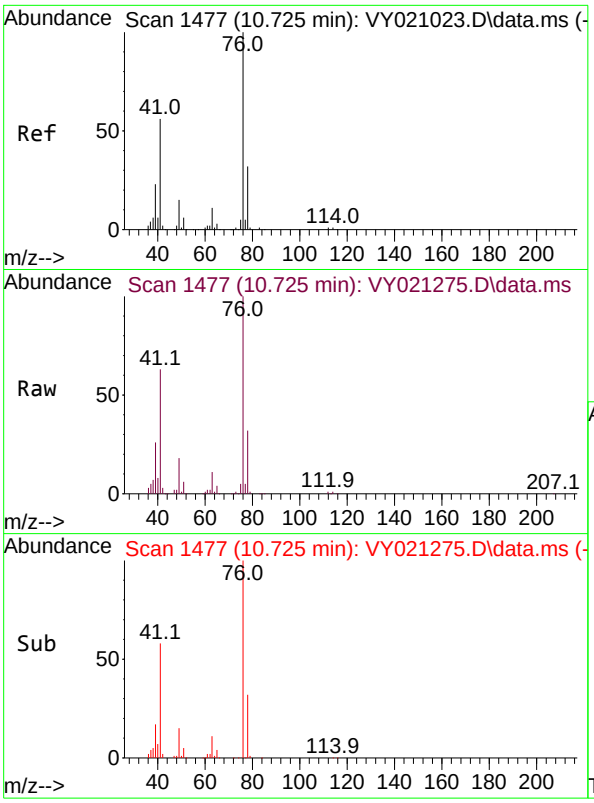




#56
Ethyl methacrylate
Concen: 56.492 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 69 Resp: 78420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 72.0 | 49.2 | 73.8 |
| 39 | 39.3 | 26.8 | 40.2 |



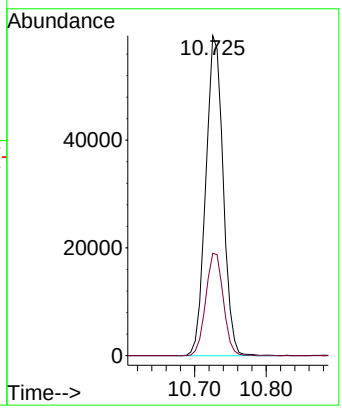


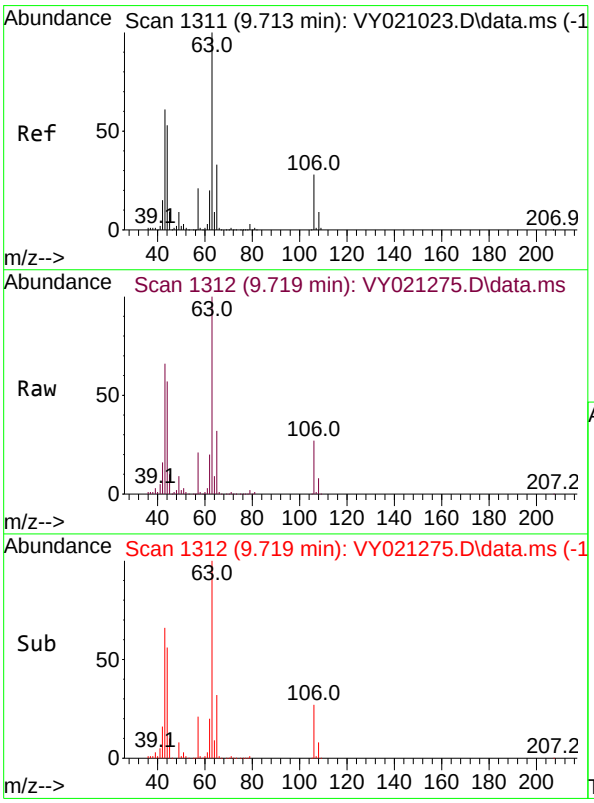

#57
1,3-Dichloropropane
Concen: 55.577 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 99821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.1 | 39.1 |

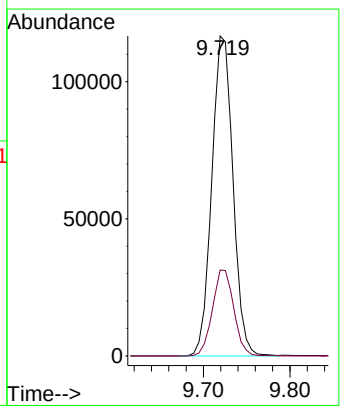


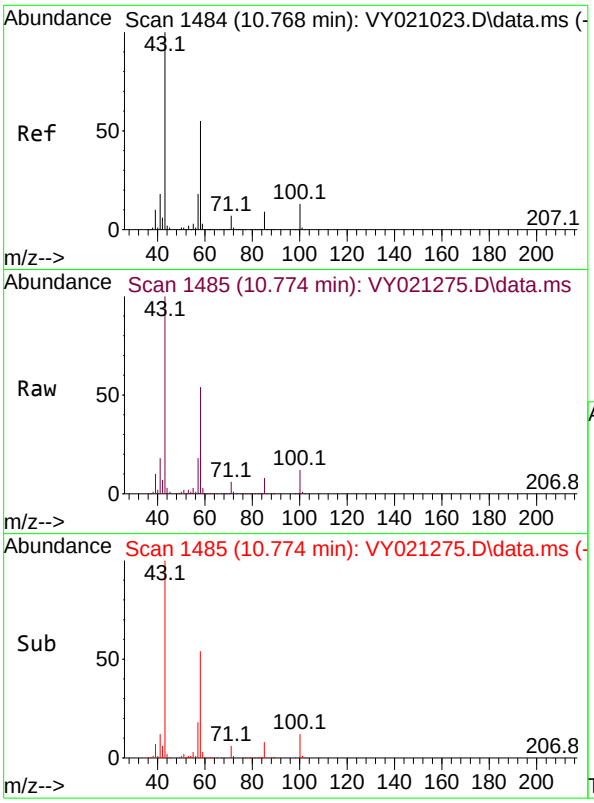




#58
2-Chloroethyl Vinyl ether
Concen: 301.108 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 63 Resp: 198856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.0 | 22.4 | 33.6 |



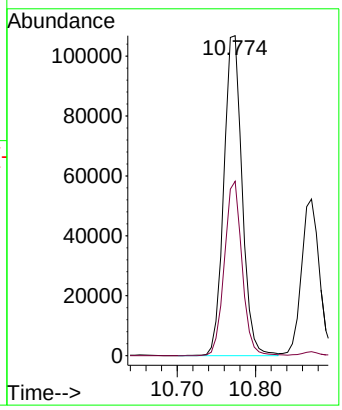


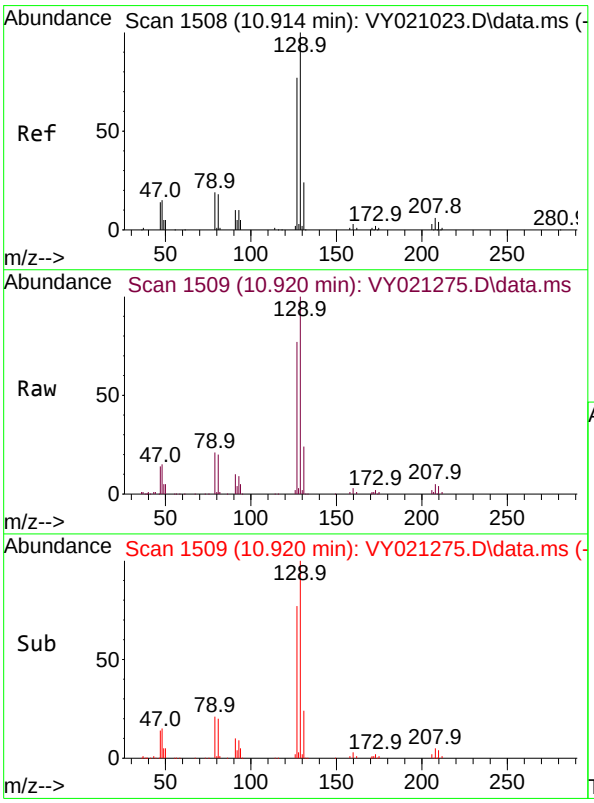

#59
2-Hexanone
Concen: 295.239 ug/l
RT: 10.774 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 173136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.5 | 28.1 | 84.3 |

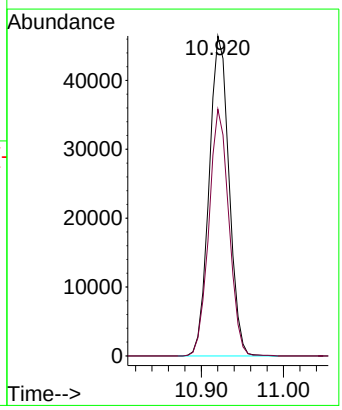


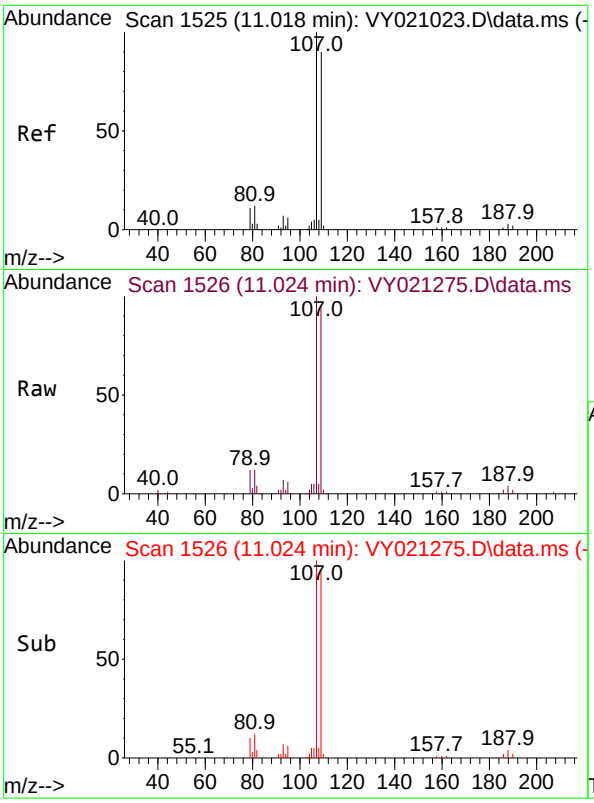




#60
Dibromochloromethane
Concen: 53.569 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:129 Resp: 78064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.4 | 39.2 | 117.6 |



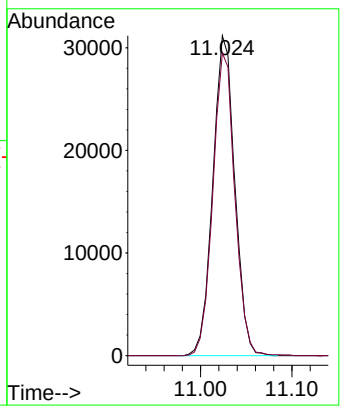


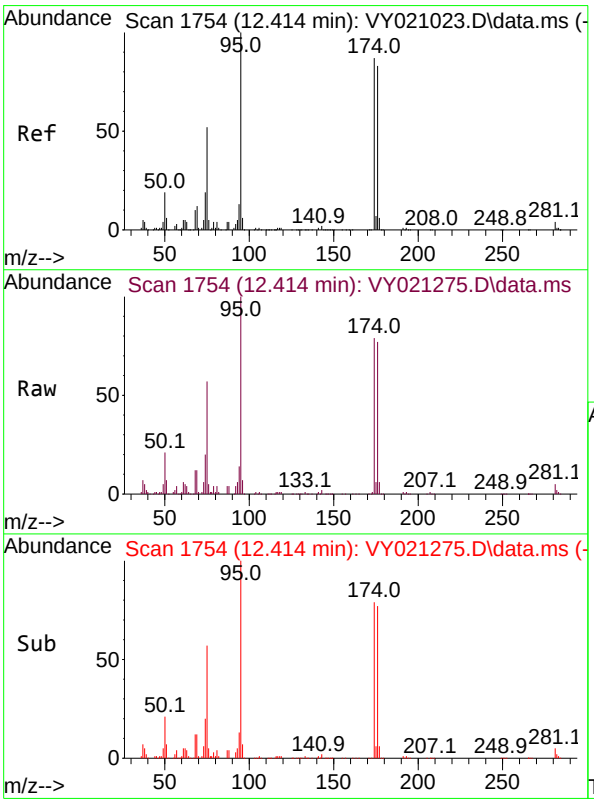

#61
1,2-Dibromoethane
Concen: 53.496 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 51996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.7 | 75.4 | 113.2 |

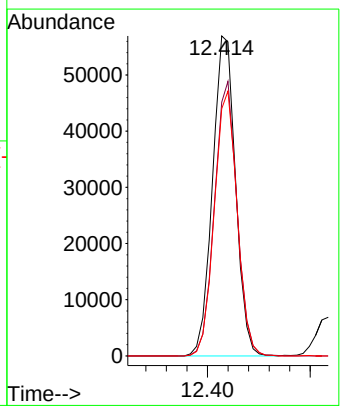


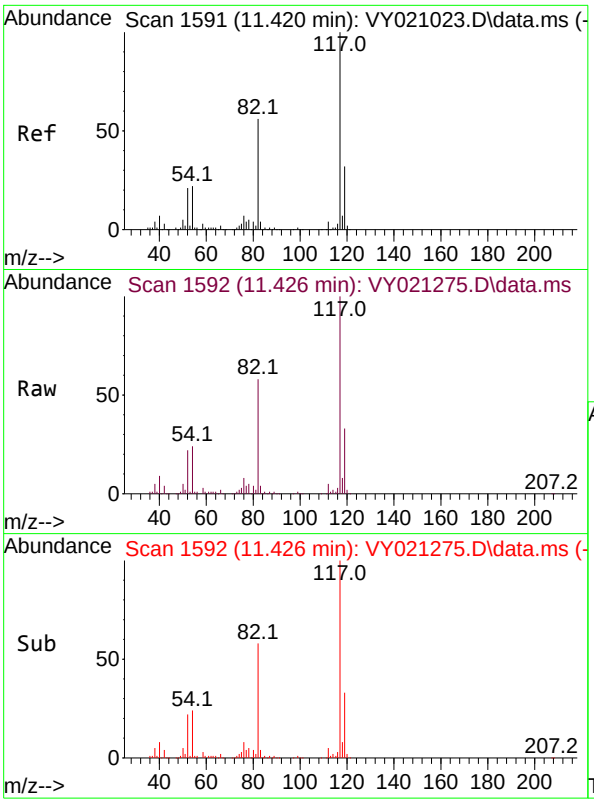




#62
4-Bromofluorobenzene
Concen: 50.693 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 95 Resp: 88447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.0 | 0.0 | 160.0 |
| 176 | 82.2 | 0.0 | 151.8 |



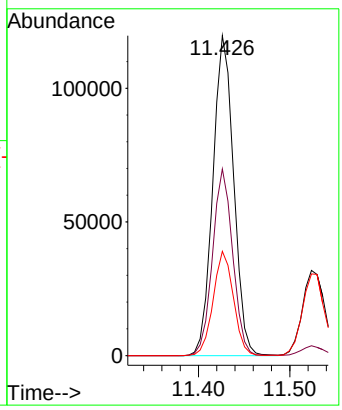


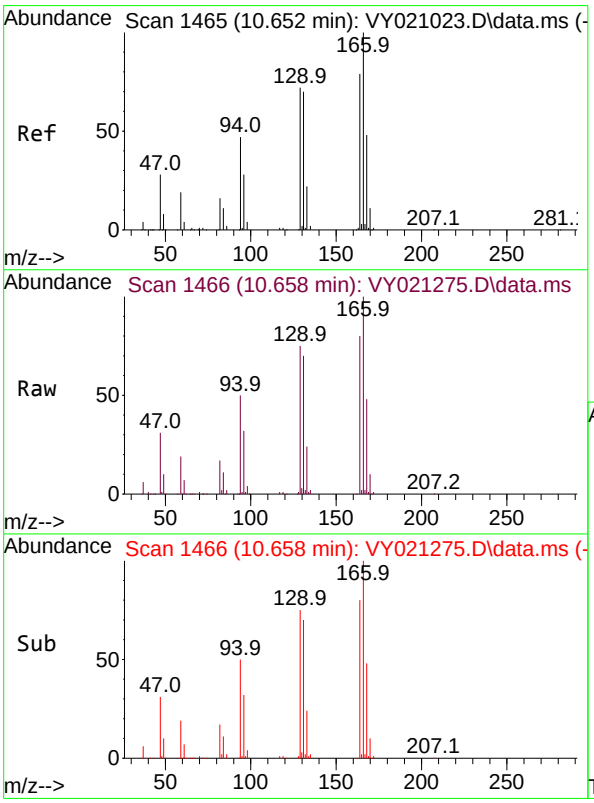

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 189433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.3 | 43.8 | 65.8 |
| 119 | 32.6 | 26.5 | 39.7 |

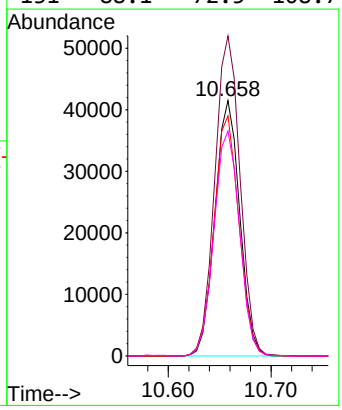


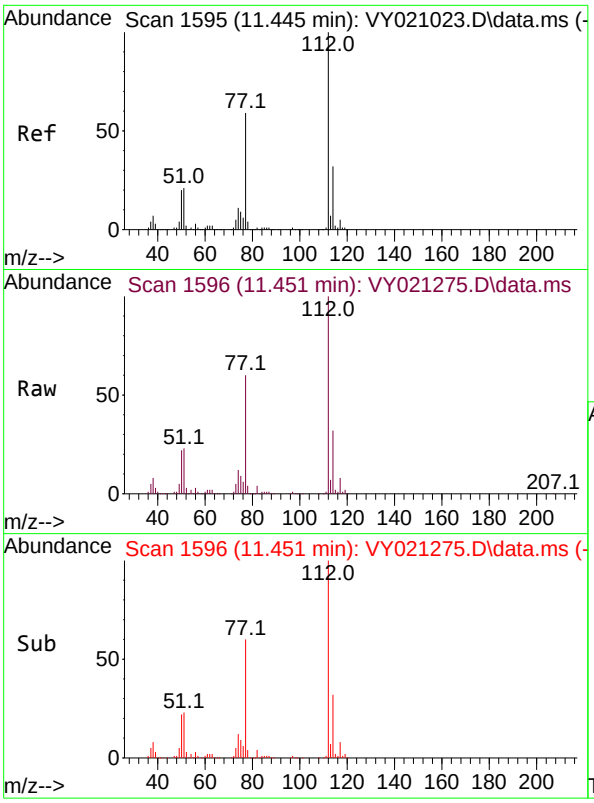




#64
Tetrachloroethene
Concen: 49.474 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:164 Resp: 69573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.4 | 98.8 | 148.2 |
| 129 | 94.0 | 78.9 | 118.3 |
| 131 | 88.1 | 72.5 | 108.7 |



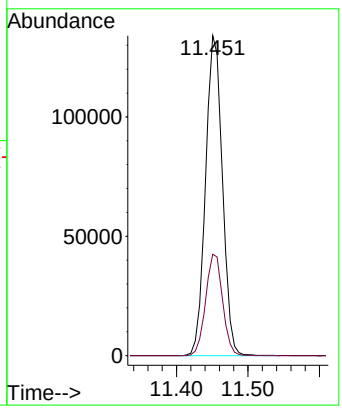


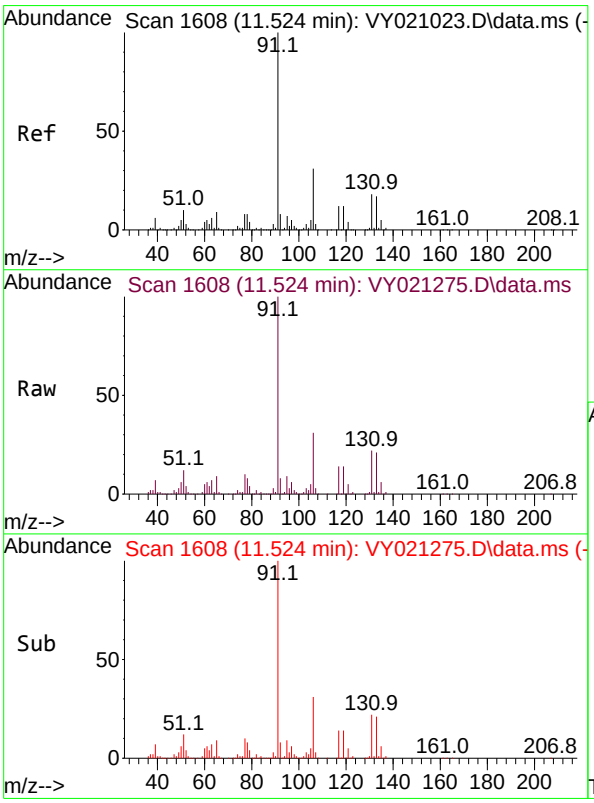

#65
Chlorobenzene
Concen: 51.935 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 219066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 26.1 | 39.1 |

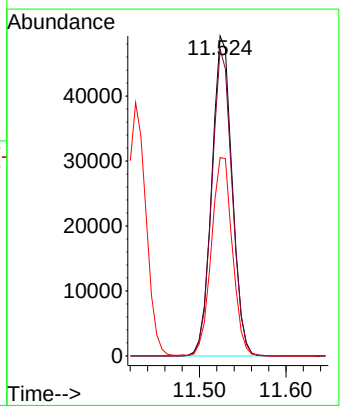


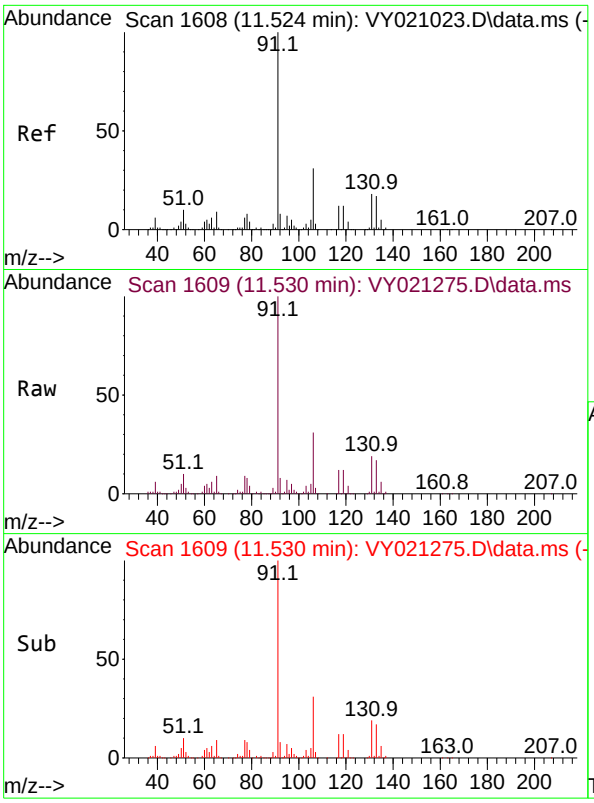




#66
1,1,1,2-Tetrachloroethane
Concen: 53.694 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:131 Resp: 80486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.4 | 47.0 | 141.0 |
| 119 | 64.0 | 33.3 | 99.9 |



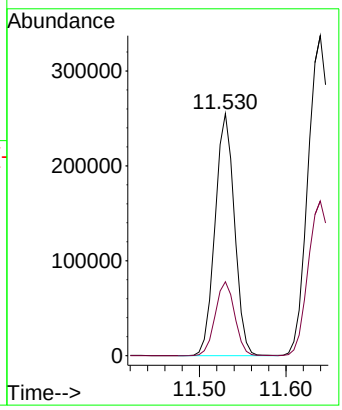


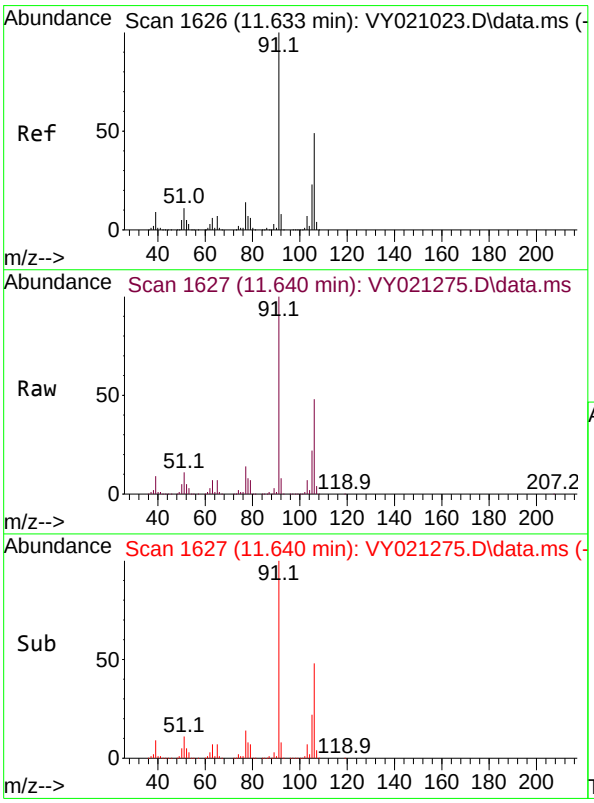

#67
Ethyl Benzene
Concen: 53.106 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 396201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 25.0 | 37.4 |

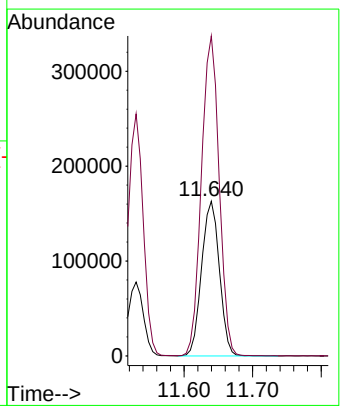


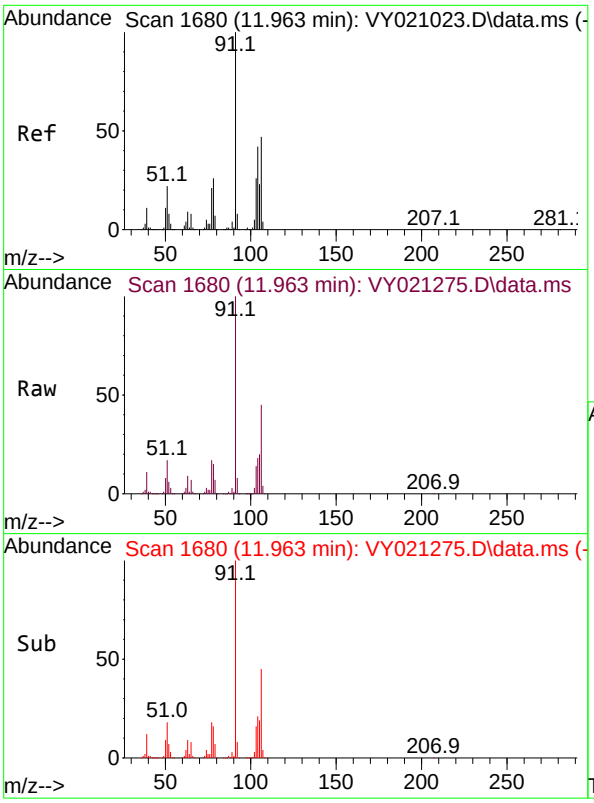




#68
m/p-Xylenes
Concen: 105.084 ug/l
RT: 11.640 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:106 Resp: 293291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.3 | 160.7 | 241.1 |



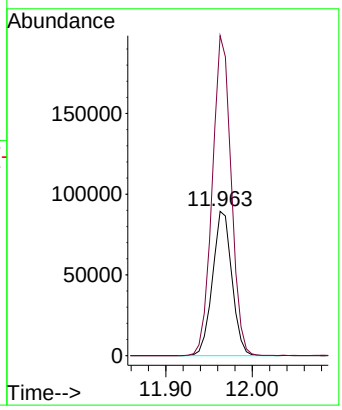


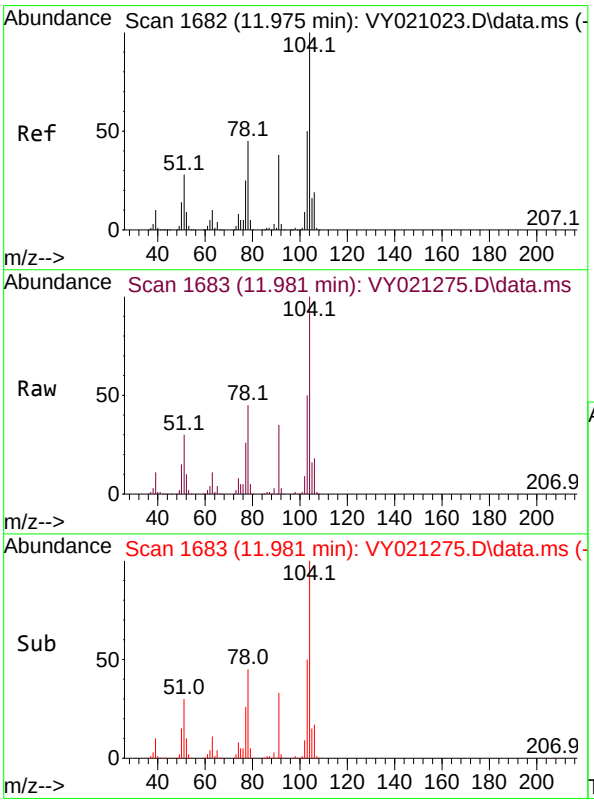

#69
o-Xylene
Concen: 53.345 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 138811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.0 | 106.5 | 319.5 |

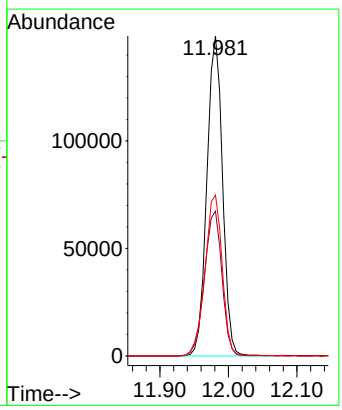


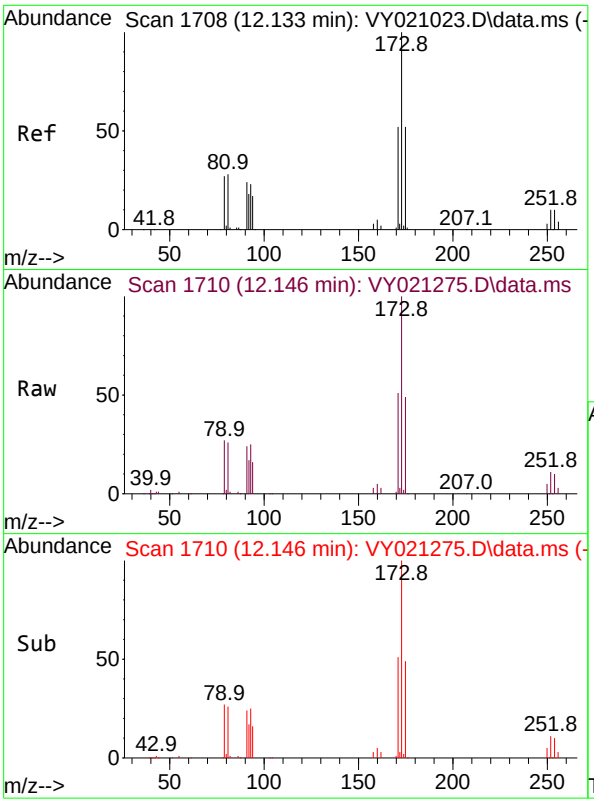




#70
Styrene
Concen: 54.506 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:104 Resp: 236391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.6 | 39.2 | 58.8 |
| 103 | 54.9 | 43.8 | 65.6 |



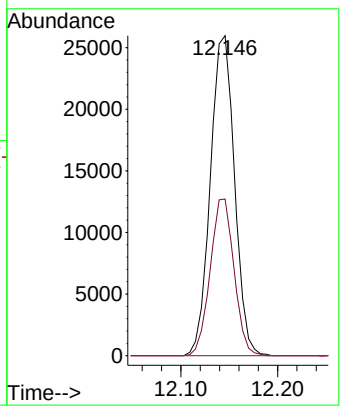


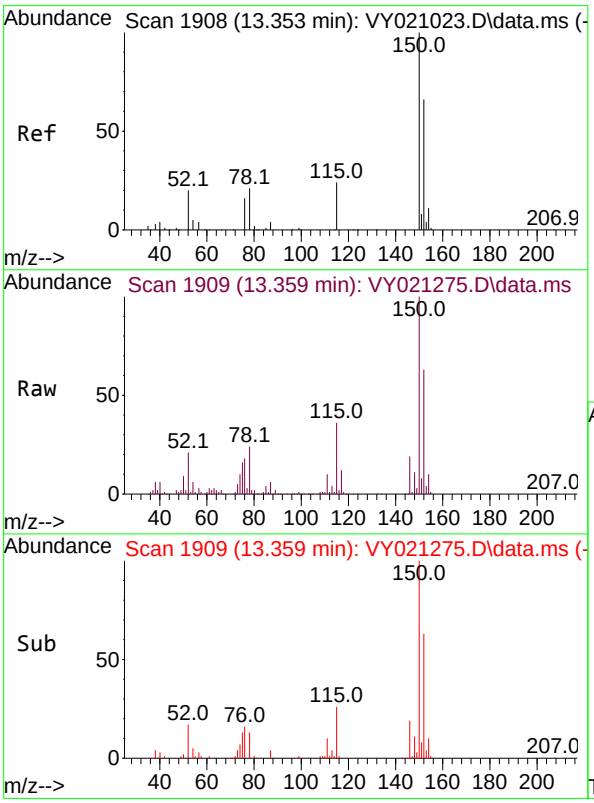

#71
Bromoform
Concen: 54.009 ug/l
RT: 12.146 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 45063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 23.5 | 70.6 |
| 254 | 0.0 | 0.0 | 0.0 |

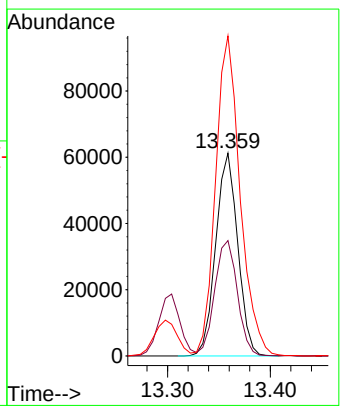


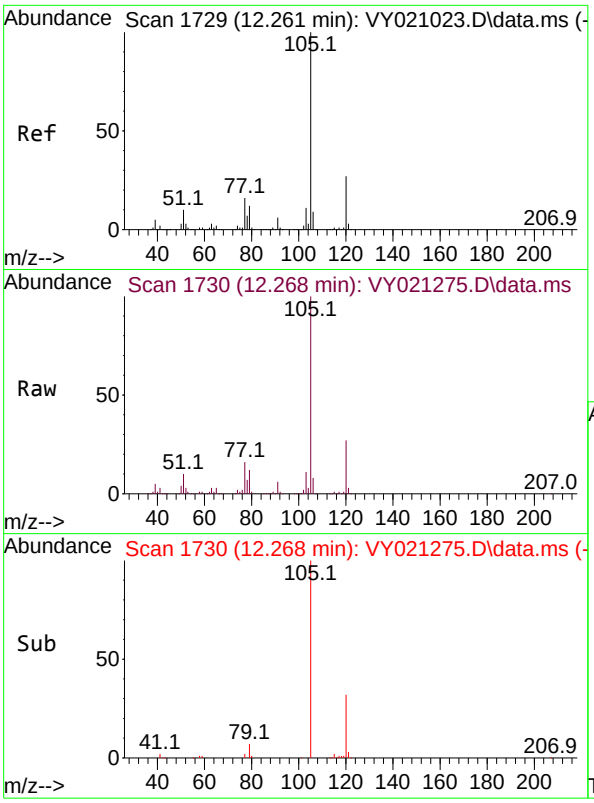




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:152 Resp: 91135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.6 | 30.0 | 90.0 |
| 150 | 176.1 | 0.0 | 344.6 |



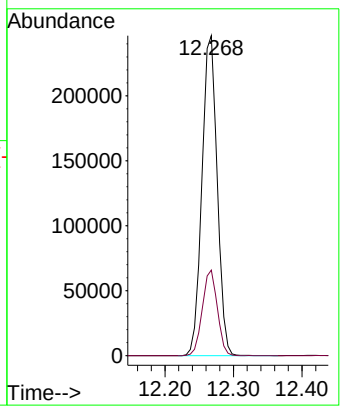


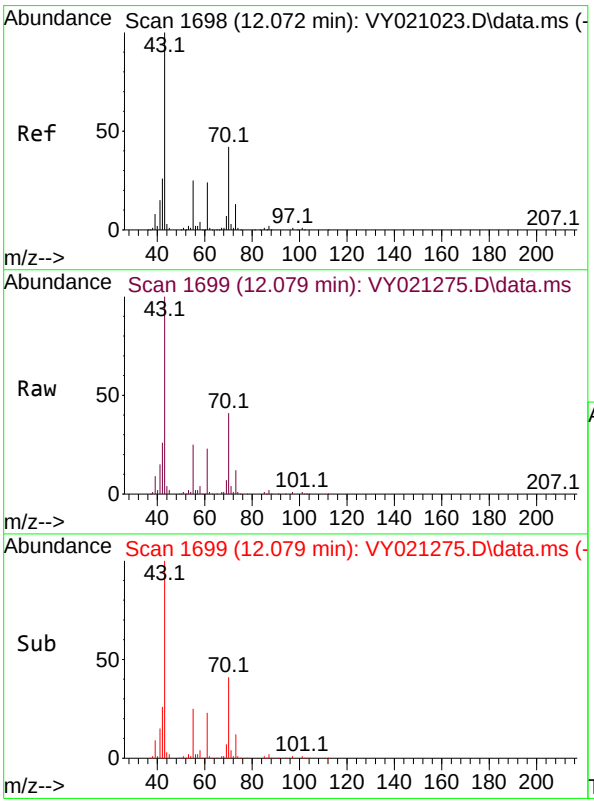

#73
Isopropylbenzene
Concen: 53.138 ug/l
RT: 12.268 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 378285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 39.0 |

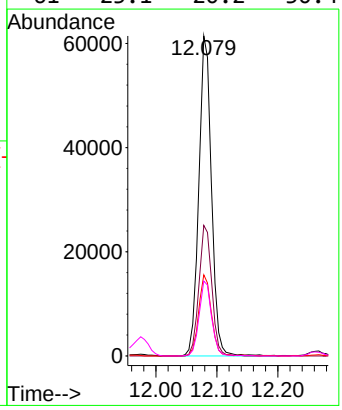


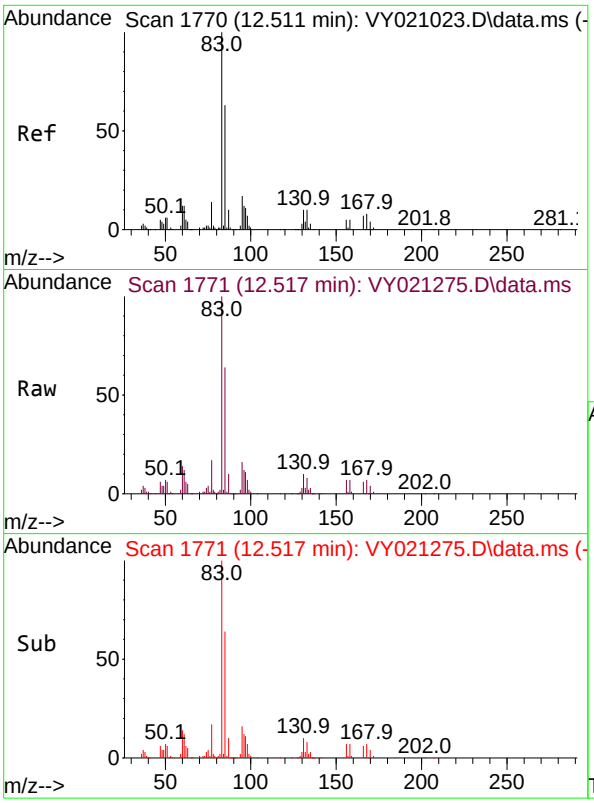




#74
N-amyl acetate
Concen: 56.918 ug/l
RT: 12.079 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 43 Resp: 88587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.2 | 36.6 | 55.0 |
| 55 | 25.2 | 22.2 | 33.4 |
| 61 | 23.1 | 20.2 | 30.4 |



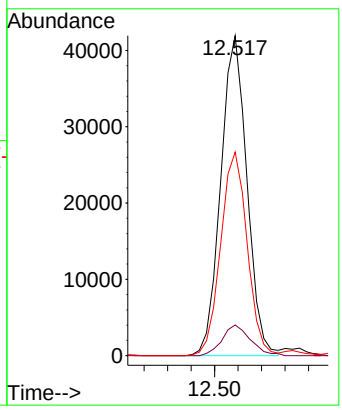


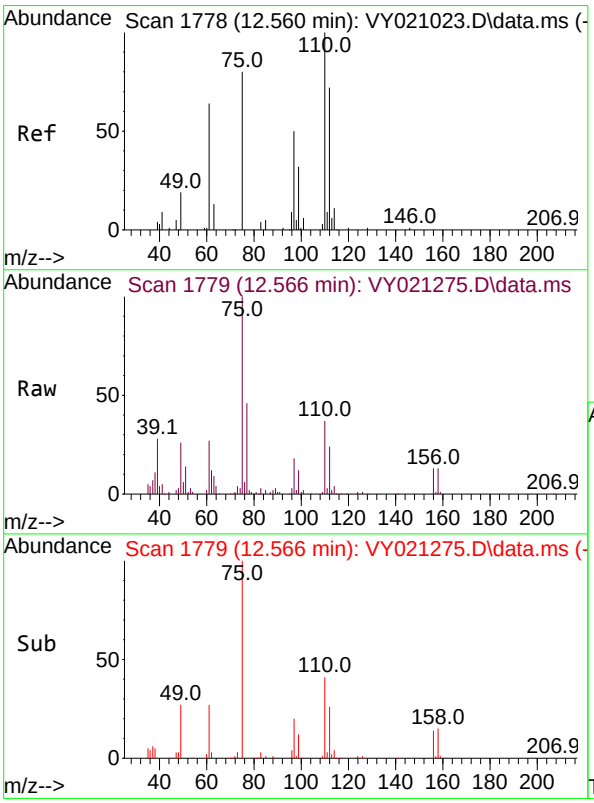

#75
1,1,2,2-Tetrachloroethane
Concen: 54.792 ug/l
RT: 12.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 64872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 4.9 | 14.6 |
| 85 | 64.2 | 32.6 | 98.0 |

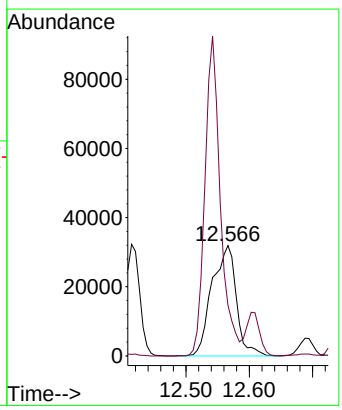


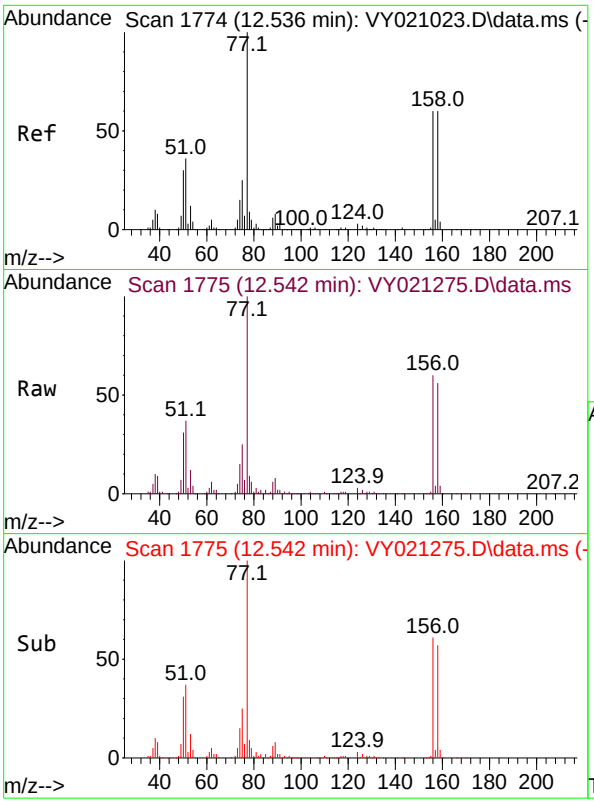




#76
1,2,3-Trichloropropane
Concen: 103.478 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 75 Resp: 85546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



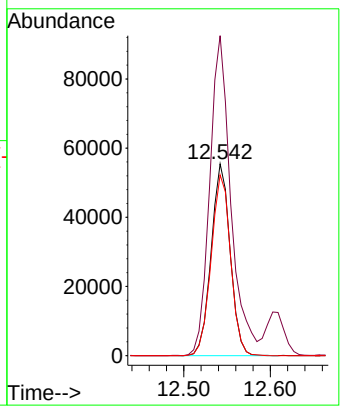


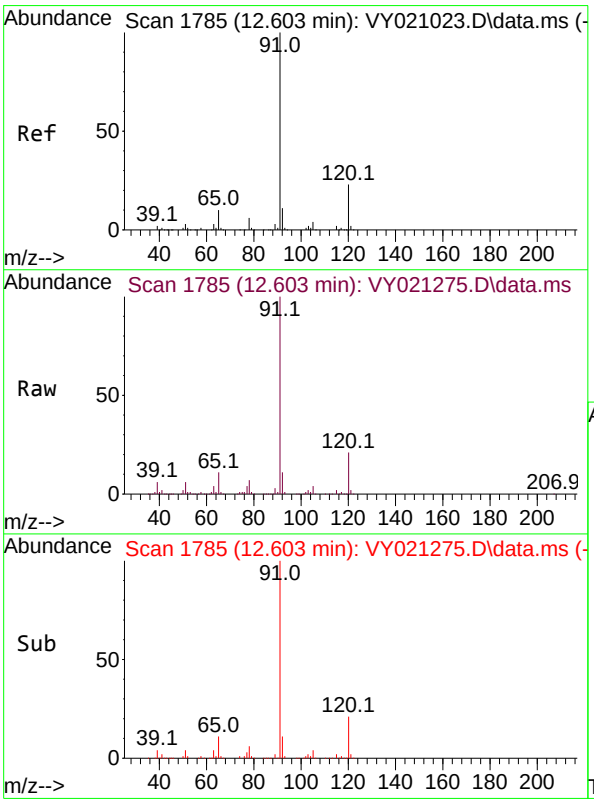

#77
Bromobenzene
Concen: 51.497 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 84600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.6 | 97.3 | 291.8 |
| 158 | 96.2 | 48.4 | 145.0 |

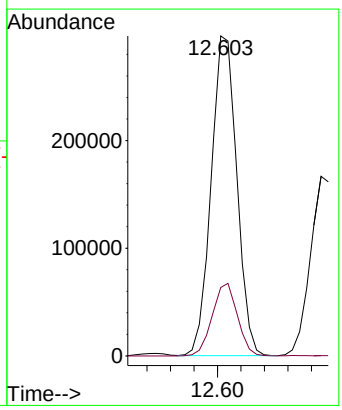


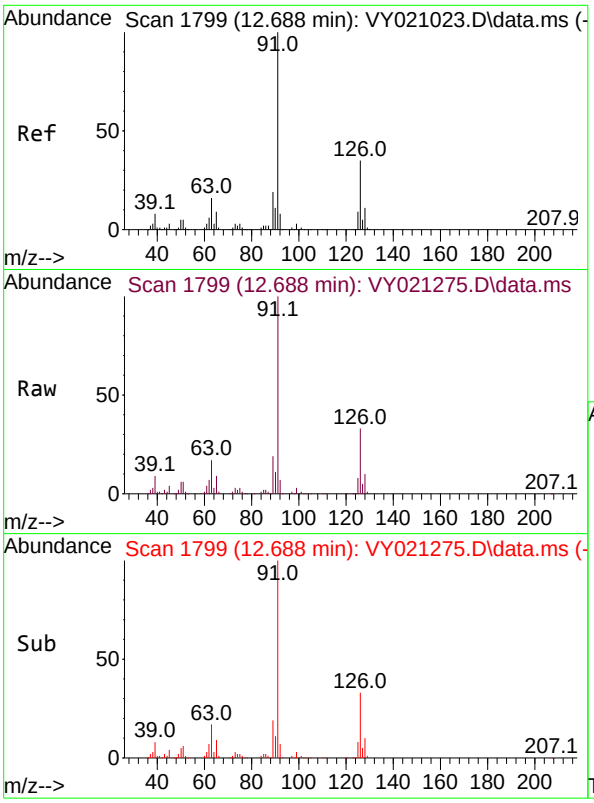




#78
n-propylbenzene
Concen: 53.097 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 91 Resp: 450276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.0 | 33.0 |



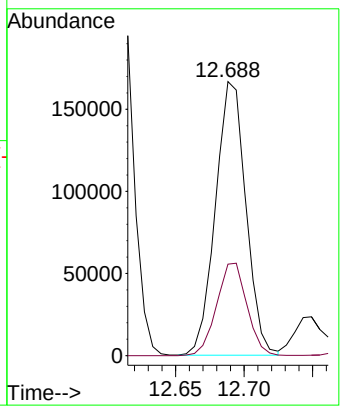


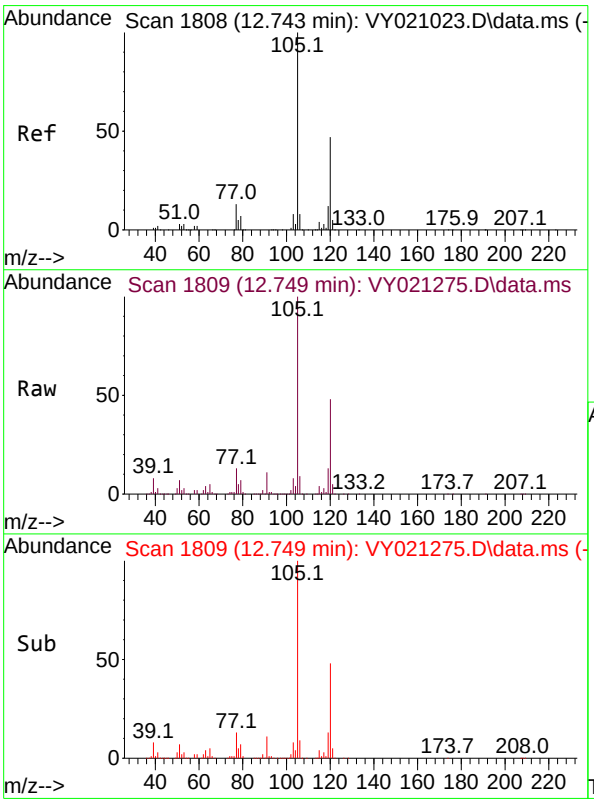

#79
2-Chlorotoluene
Concen: 53.148 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 258141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 17.0 | 51.0 |

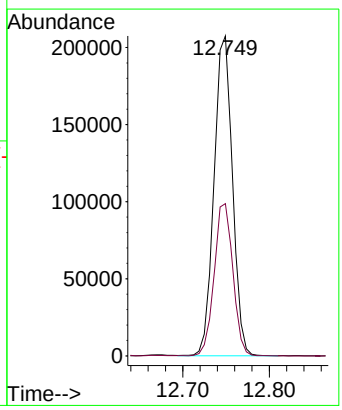


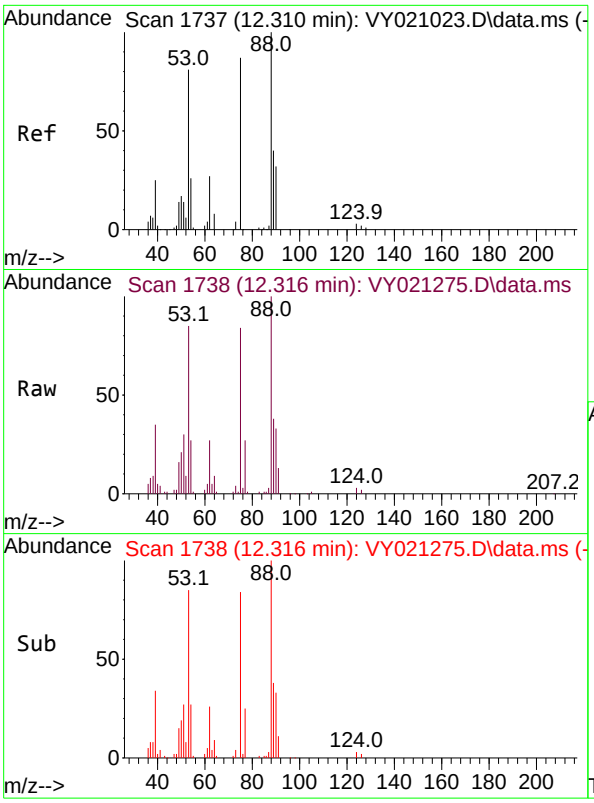




#80
1,3,5-Trimethylbenzene
Concen: 53.225 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:105 Resp: 307207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.3 | 72.8 |



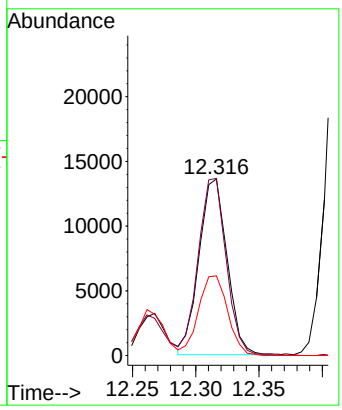


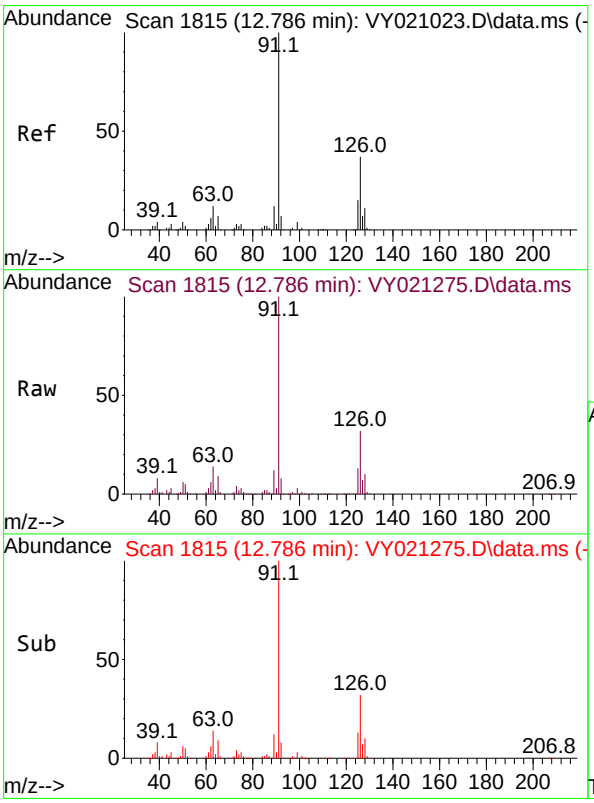

#81
trans-1,4-Dichloro-2-butene
Concen: 51.805 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 20989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 100.8 | 74.0 | 111.0 |
| 89 | 47.2 | 36.5 | 54.7 |

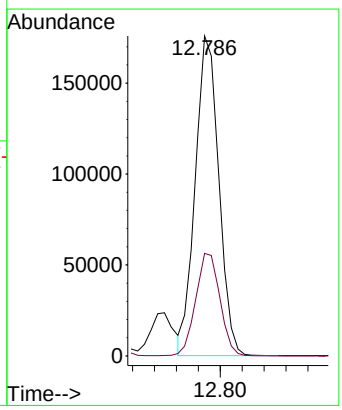


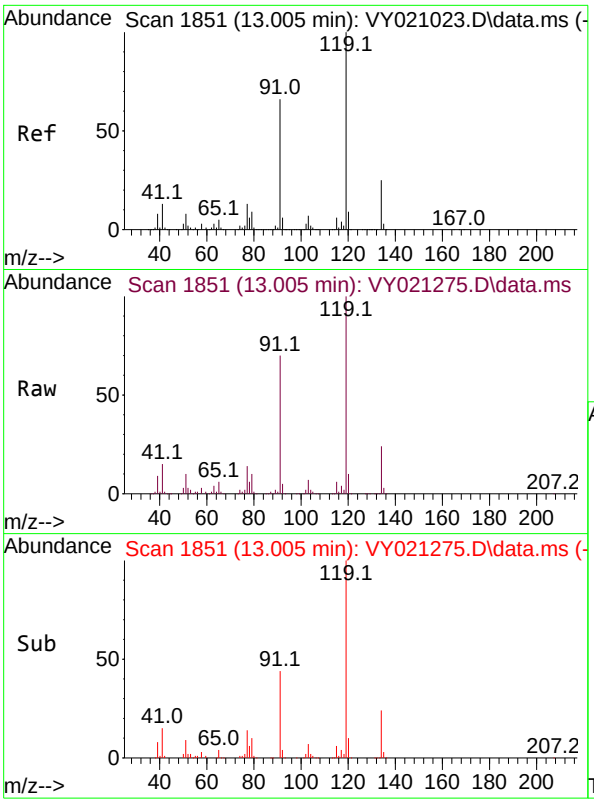




#82
4-Chlorotoluene
Concen: 53.017 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 91 Resp: 262361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.1 | 17.1 | 51.2 |



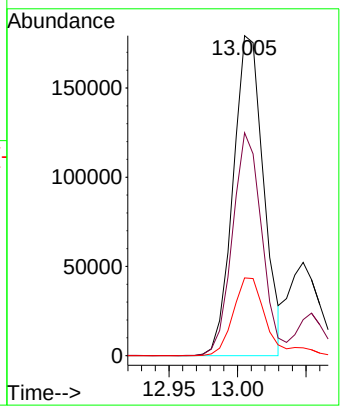


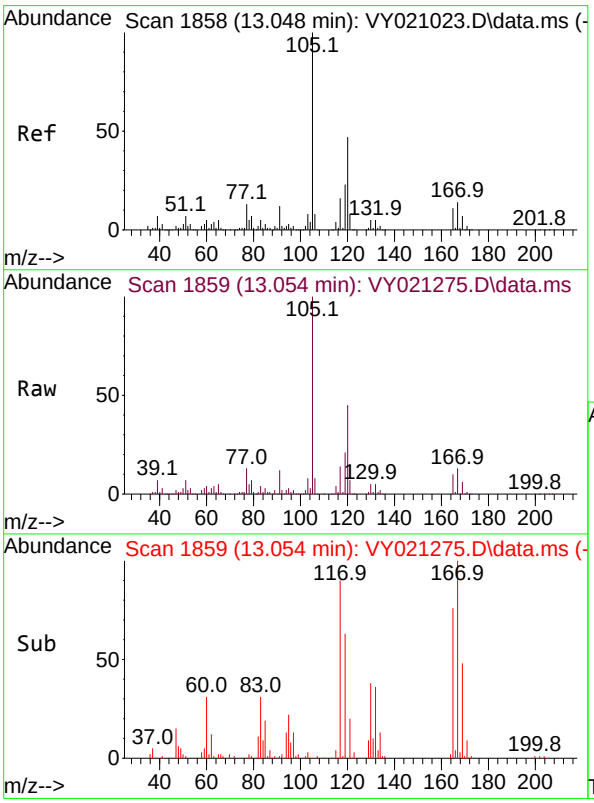

#83
tert-Butylbenzene
Concen: 52.716 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 276564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.5 | 31.5 | 94.5 |
| 134 | 26.8 | 13.1 | 39.3 |

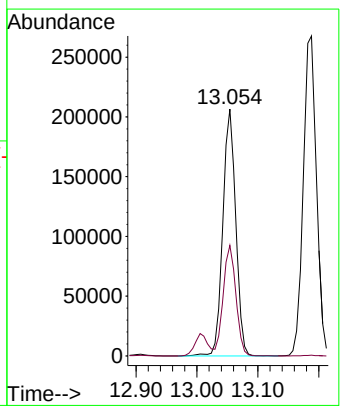


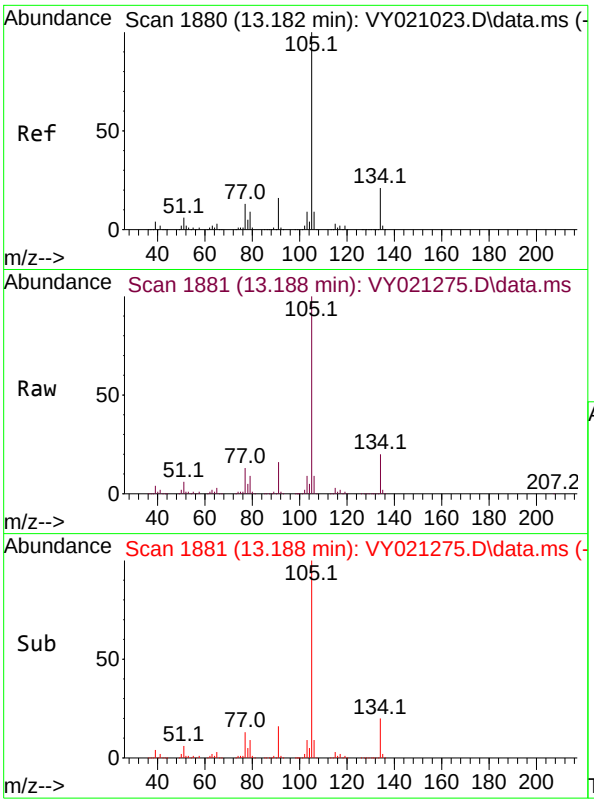




#84
1,2,4-Trimethylbenzene
Concen: 53.838 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:105 Resp: 303836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 22.1 | 66.3 |



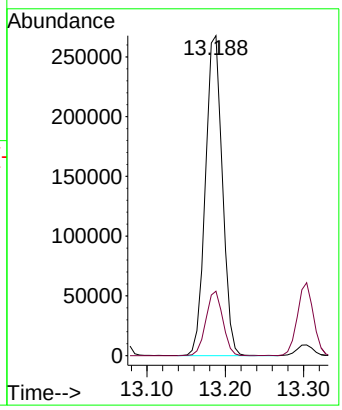


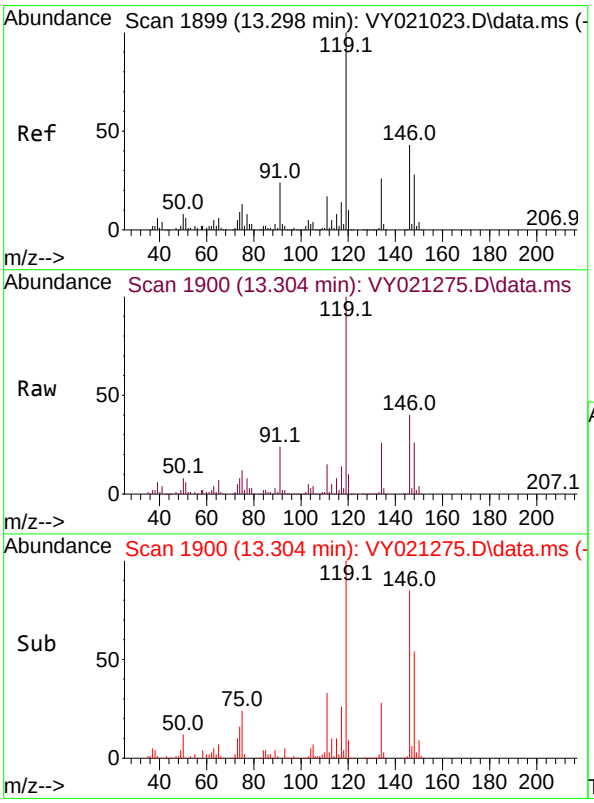

#85
sec-Butylbenzene
Concen: 53.349 ug/l
RT: 13.188 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 402885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 9.7 | 28.9 |

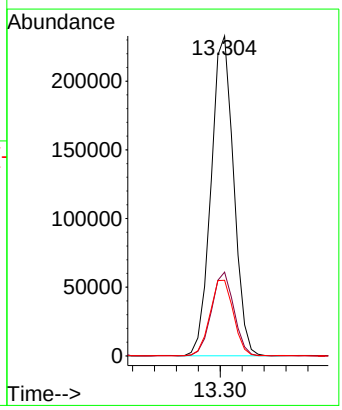


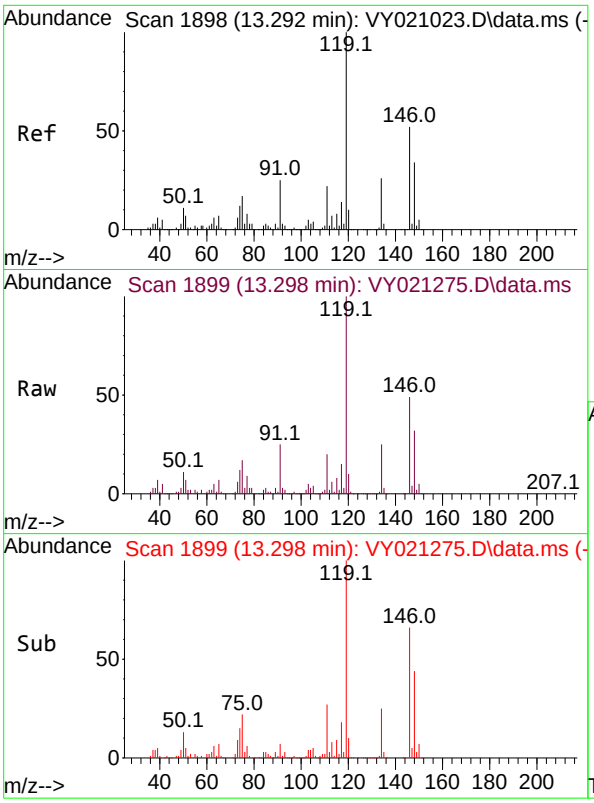




#86
p-Isopropyltoluene
Concen: 53.046 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:119 Resp: 332768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.1 | 39.1 |
| 91 | 24.5 | 11.7 | 35.0 |



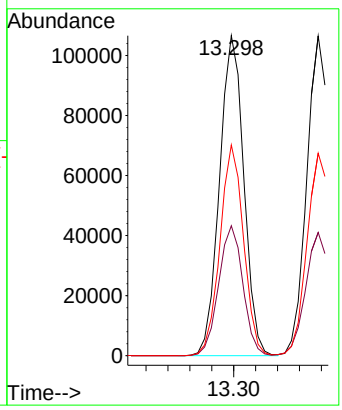


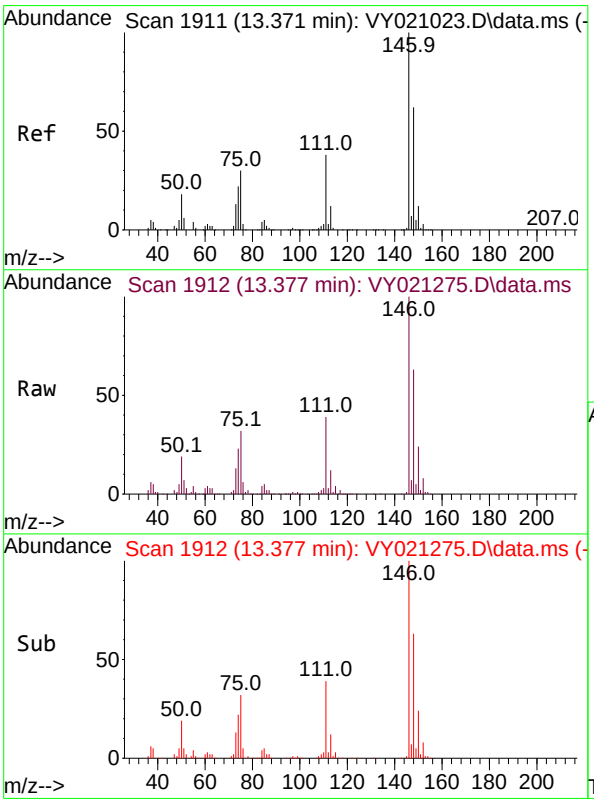

#87
1,3-Dichlorobenzene
Concen: 51.747 ug/l
RT: 13.298 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 164144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 20.2 | 60.5 |
| 148 | 63.9 | 31.9 | 95.9 |

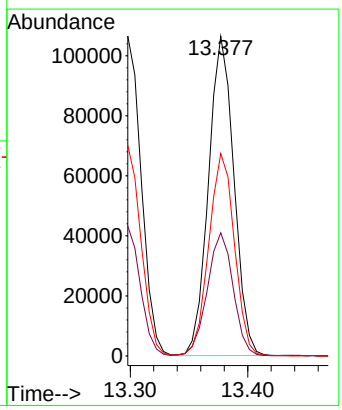


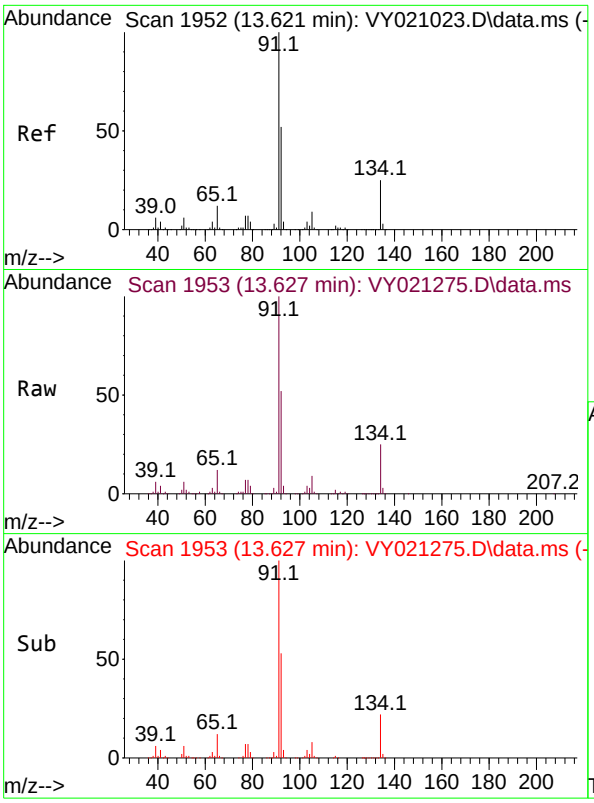




#88
1,4-Dichlorobenzene
Concen: 51.275 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:146 Resp: 160145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.2 | 19.3 | 57.9 |
| 148 | 64.0 | 31.6 | 94.7 |



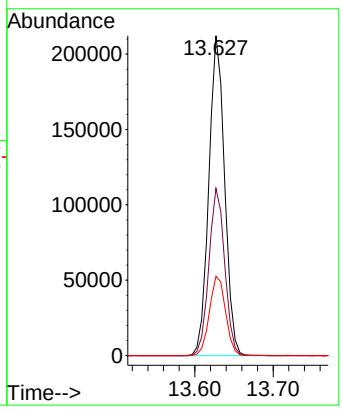


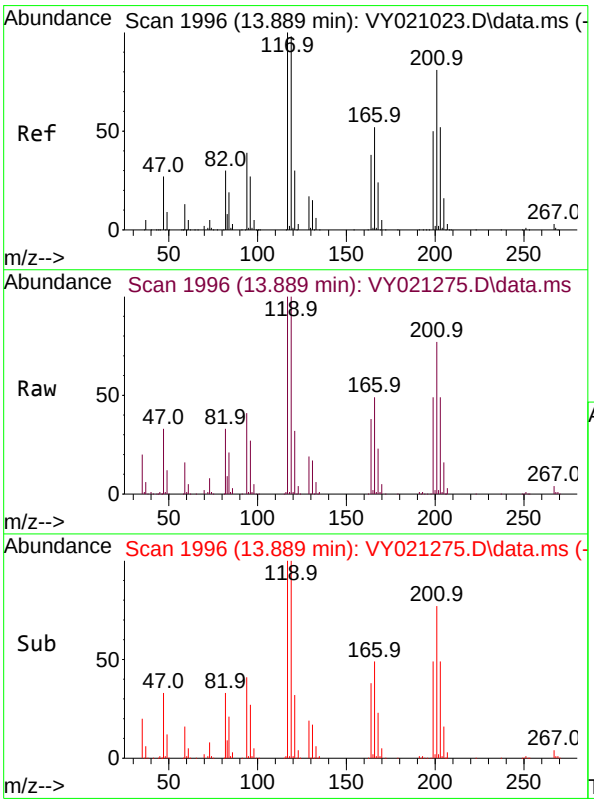

#89
n-Butylbenzene
Concen: 51.951 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 297313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.4 | 26.4 | 79.2 |
| 134 | 25.4 | 12.3 | 36.8 |

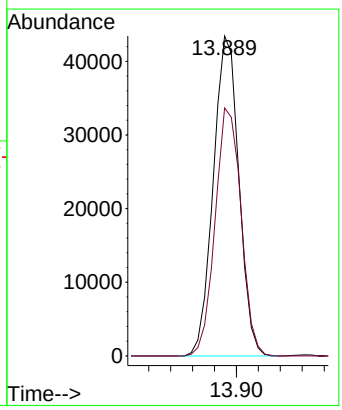


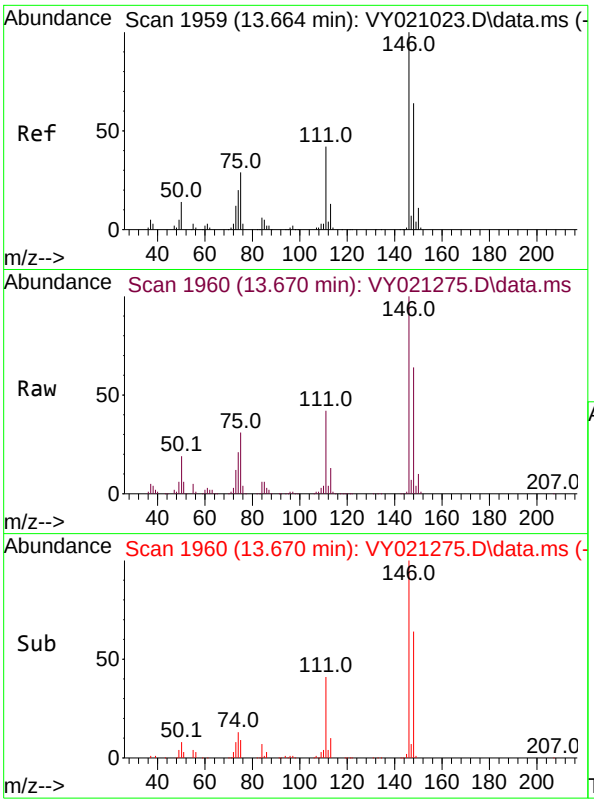




#90
Hexachloroethane
Concen: 53.783 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:117 Resp: 70386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.6 | 33.4 | 100.1 |



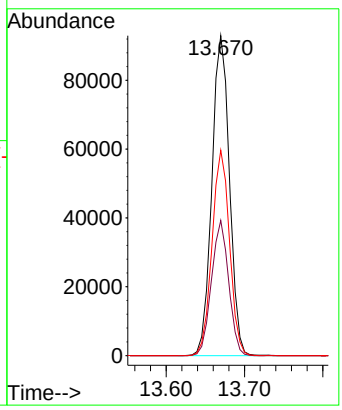


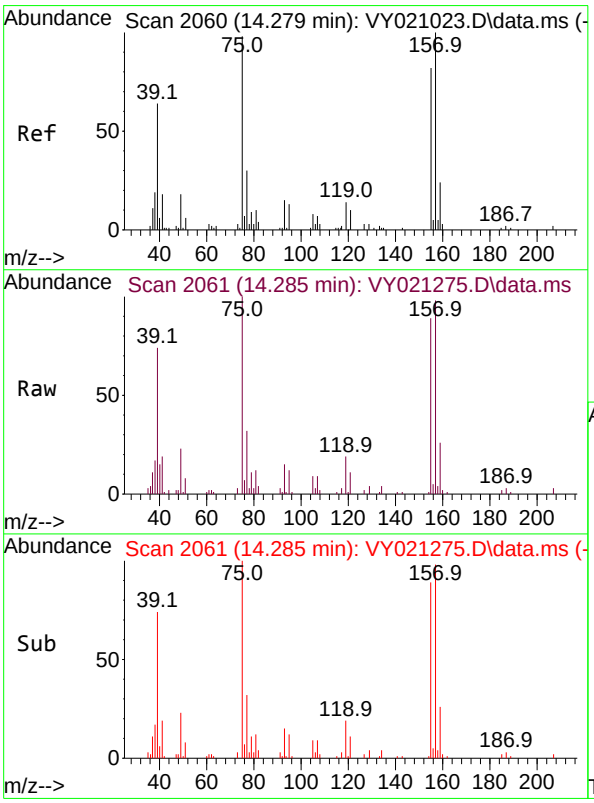

#91
1,2-Dichlorobenzene
Concen: 52.591 ug/l
RT: 13.670 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 144792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.5 | 61.6 |
| 148 | 63.8 | 31.4 | 94.3 |

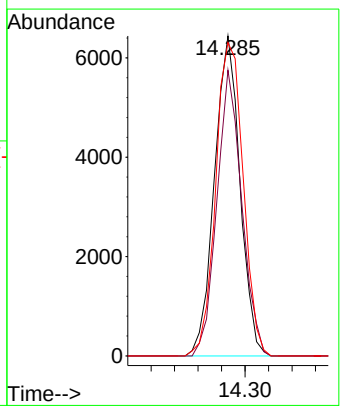


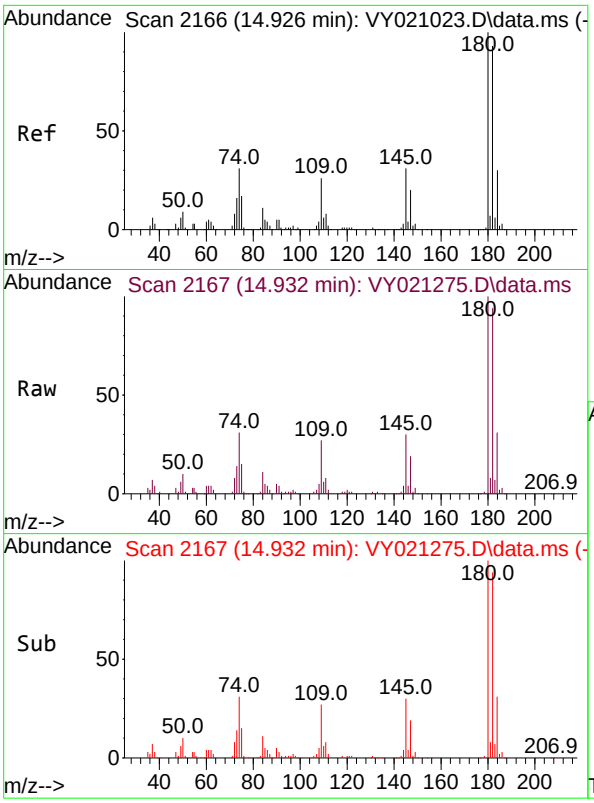




#92
1,2-Dibromo-3-Chloropropane
Concen: 54.910 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion: 75 Resp: 9715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.7 | 42.1 | 126.3 |
| 157 | 105.4 | 55.8 | 167.4 |



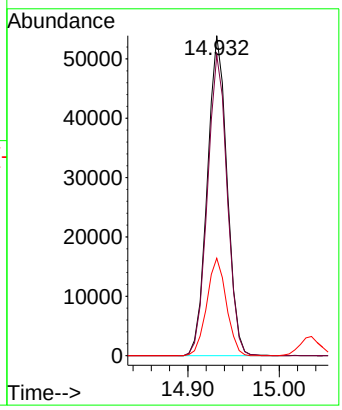


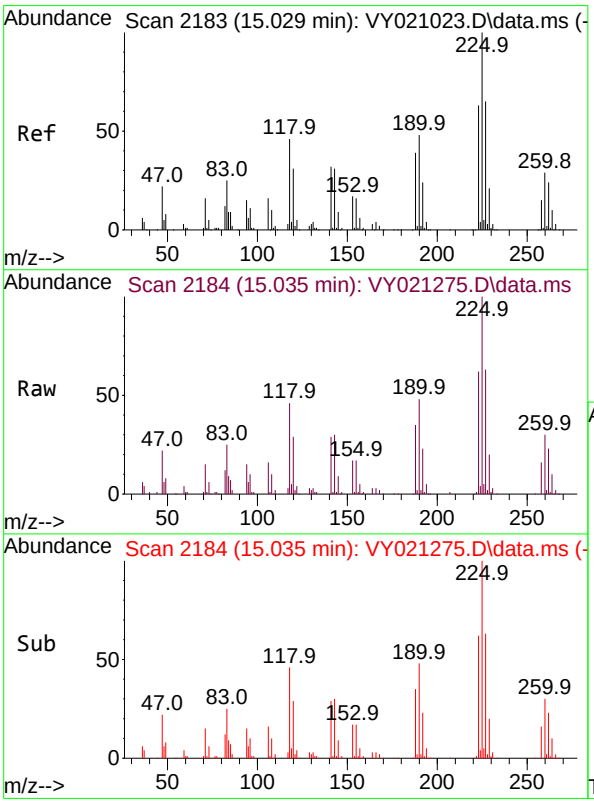

#93
1,2,4-Trichlorobenzene
Concen: 52.803 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 80920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 47.9 | 143.7 |
| 145 | 30.1 | 15.9 | 47.7 |

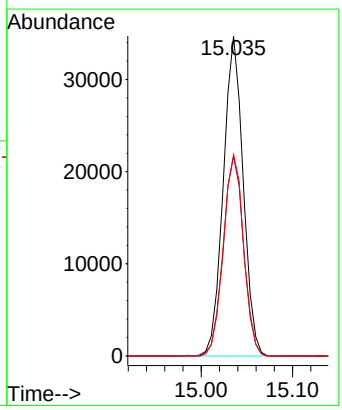


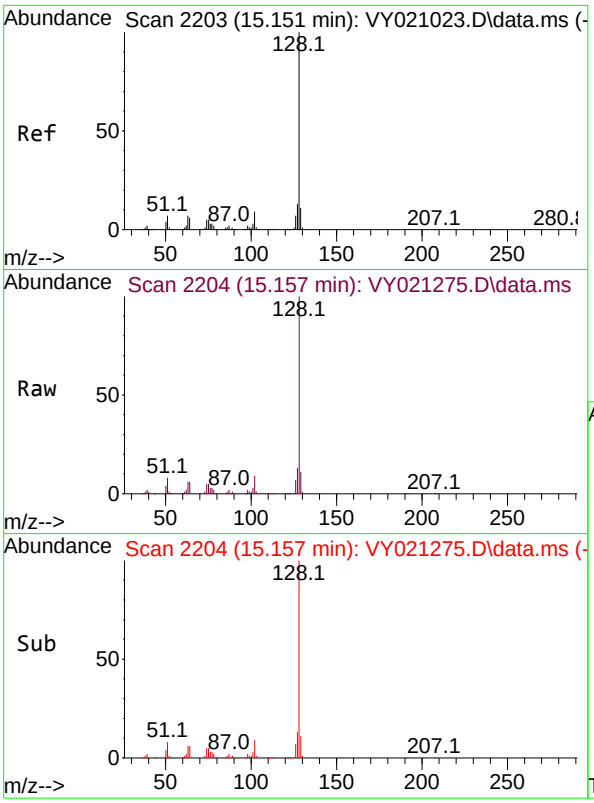




#94
Hexachlorobutadiene
Concen: 51.589 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:225 Resp: 52391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 31.4 | 94.3 |
| 227 | 64.5 | 32.3 | 96.8 |



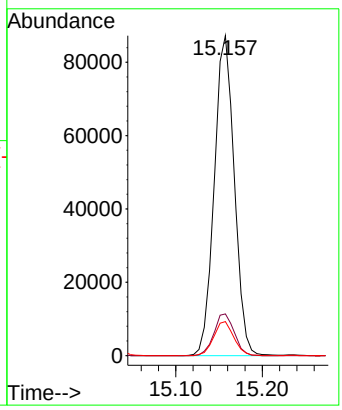


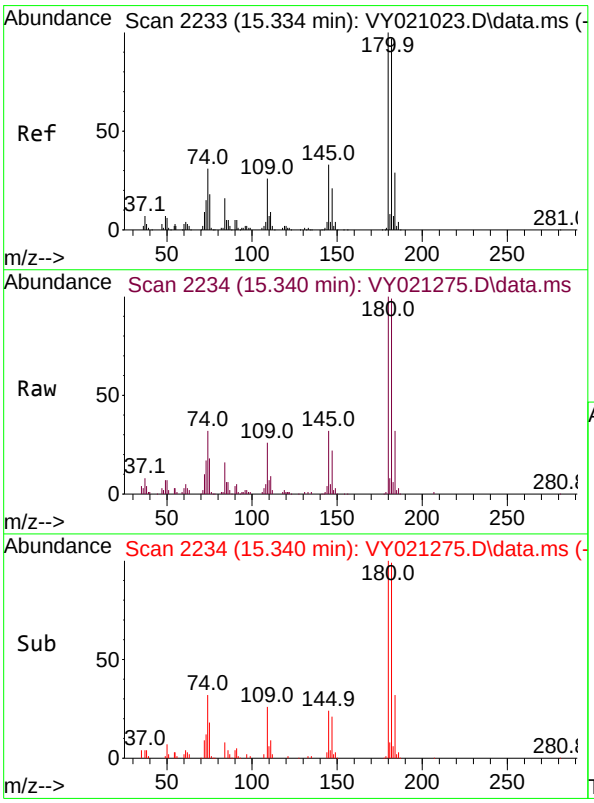

#95
Naphthalene
Concen: 57.318 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 140532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.2 | 15.4 |
| 129 | 10.7 | 8.6 | 12.8 |

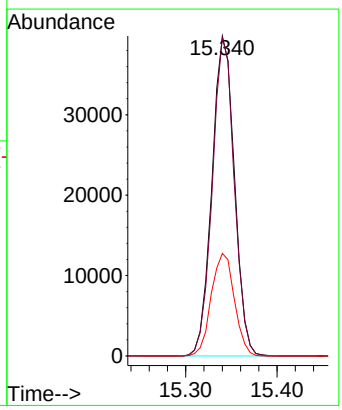



#96
1,2,3-Trichlorobenzene
Concen: 53.269 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021275.D
Acq: 21 Feb 2025 09:37

Tgt Ion:180 Resp: 67936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 46.3 | 138.8 |
| 145 | 32.9 | 16.1 | 48.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021277.D
Acq On : 21 Feb 2025 11:43
Operator : SY/MD
Sample : VY0221SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Quant Time: Feb 21 23:05:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 142077 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.622 | 114 | 225088 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.426 | 117 | 194706 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.358 | 152 | 99790 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.073 | 65 | 71680 | 49.241 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 98.480% | | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 67848 | 47.035 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 94.060% | | | | |
| 50) Toluene-d8 | 10.115 | 98 | 254568 | 46.355 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 92.700% | | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 87361 | 48.693 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 97.380% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.873 | 85 | 34744 | 27.437 | ug/l | | 97 |
| 3) Chloromethane | 2.074 | 50 | 36895 | 29.526 | ug/l | | 97 |
| 4) Vinyl Chloride | 2.214 | 62 | 35436 | 28.175 | ug/l | | 96 |
| 5) Bromomethane | 2.604 | 94 | 19911 | 25.614 | ug/l | | 98 |
| 6) Chloroethane | 2.745 | 64 | 20895 | 27.909 | ug/l | | 96 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 54515 | 23.792 | ug/l | | 100 |
| 8) Diethyl Ether | 3.470 | 74 | 16457 | 23.007 | ug/l | | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 32739 | 22.766 | ug/l | | 95 |
| 10) Methyl Iodide | 4.019 | 142 | 33721 | 21.106 | ug/l | | 93 |
| 11) Tert butyl alcohol | 4.909 | 59 | 11124 | 112.767 | ug/l | # | 75 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 30615 | 22.599 | ug/l | | 86 |
| 13) Acrolein | 3.665 | 56 | 12791 | 84.205 | ug/l | | 96 |
| 14) Allyl chloride | 4.397 | 41 | 53151 | 23.280 | ug/l | | 94 |
| 15) Acrylonitrile | 5.086 | 53 | 35896 | 120.510 | ug/l | | 99 |
| 16) Acetone | 3.897 | 43 | 26461 | 116.562 | ug/l | | 97 |
| 17) Carbon Disulfide | 4.122 | 76 | 100186 | 23.585 | ug/l | | 99 |
| 18) Methyl Acetate | 4.409 | 43 | 18736 | 23.511 | ug/l | | 97 |
| 19) Methyl tert-butyl Ether | 5.134 | 73 | 76143 | 22.238 | ug/l | | 100 |
| 20) Methylene Chloride | 4.634 | 84 | 35107 | 24.877 | ug/l | | 89 |
| 21) trans-1,2-Dichloroethene | 5.134 | 96 | 33759 | 22.639 | ug/l | | 90 |
| 22) Diisopropyl ether | 6.037 | 45 | 111301 | 23.651 | ug/l | | 97 |
| 23) Vinyl Acetate | 5.976 | 43 | 319737 | 121.879 | ug/l | | 97 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 62579 | 22.697 | ug/l | | 99 |
| 25) 2-Butanone | 6.908 | 43 | 45145 | 121.018 | ug/l | | 96 |
| 26) 2,2-Dichloropropane | 6.902 | 77 | 56177 | 22.020 | ug/l | | 97 |
| 27) cis-1,2-Dichloroethene | 6.902 | 96 | 38161 | 22.234 | ug/l | | 92 |
| 28) Bromochloromethane | 7.256 | 49 | 23922 | 21.942 | ug/l | | 91 |
| 29) Tetrahydrofuran | 7.280 | 42 | 30834 | 122.151 | ug/l | | 92 |
| 30) Chloroform | 7.433 | 83 | 63933 | 22.575 | ug/l | | 99 |
| 31) Cyclohexane | 7.713 | 56 | 56614 | 22.802 | ug/l | | 95 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 60049 | 22.806 | ug/l | | 98 |
| 36) 1,1-Dichloropropene | 7.847 | 75 | 47738 | 22.343 | ug/l | | 99 |
| 37) Ethyl Acetate | 7.006 | 43 | 22324 | 23.817 | ug/l | | 99 |
| 38) Carbon Tetrachloride | 7.829 | 117 | 53797 | 21.549 | ug/l | | 96 |
| 39) Methylcyclohexane | 9.115 | 83 | 57935 | 22.168 | ug/l | | 96 |
| 40) Benzene | 8.091 | 78 | 139916 | 22.315 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021277.D
Acq On : 21 Feb 2025 11:43
Operator : SY/MD
Sample : VY0221SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Quant Time: Feb 21 23:05:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.232 | 41 | 11894 | 21.934 ug/l | 96 |
| 42) 1,2-Dichloroethane | 8.170 | 62 | 39732 | 22.843 ug/l | 96 |
| 43) Isopropyl Acetate | 8.213 | 43 | 43155 | 23.171 ug/l # | 84 |
| 44) Trichloroethene | 8.871 | 130 | 34619 | 21.370 ug/l | 90 |
| 45) 1,2-Dichloropropane | 9.152 | 63 | 33754 | 22.681 ug/l | 100 |
| 46) Dibromomethane | 9.237 | 93 | 18420 | 22.354 ug/l | 97 |
| 47) Bromodichloromethane | 9.432 | 83 | 47920 | 21.684 ug/l | 96 |
| 48) Methyl methacrylate | 9.231 | 41 | 19365 | 22.826 ug/l | 93 |
| 49) 1,4-Dioxane | 9.249 | 88 | 3454 | 450.275 ug/l | 98 |
| 51) 4-Methyl-2-Pentanone | 10.005 | 43 | 111716 | 119.282 ug/l | 95 |
| 52) Toluene | 10.176 | 92 | 86849 | 22.059 ug/l | 100 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 43528 | 21.936 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 9.865 | 75 | 50785 | 21.615 ug/l # | 90 |
| 55) 1,1,2-Trichloroethane | 10.579 | 97 | 23291 | 21.828 ug/l | 99 |
| 56) Ethyl methacrylate | 10.450 | 69 | 31208 | 21.863 ug/l # | 86 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 41091 | 22.249 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 66439 | 97.833 ug/l | 99 |
| 59) 2-Hexanone | 10.767 | 43 | 71893 | 119.221 ug/l | 93 |
| 60) Dibromochloromethane | 10.920 | 129 | 31988 | 21.347 ug/l | 97 |
| 61) 1,2-Dibromoethane | 11.024 | 107 | 22061 | 22.073 ug/l | 98 |
| 64) Tetrachloroethene | 10.658 | 164 | 30712 | 21.248 ug/l | 94 |
| 65) Chlorobenzene | 11.450 | 112 | 91911 | 21.200 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.523 | 131 | 32642 | 21.186 ug/l | 97 |
| 67) Ethyl Benzene | 11.530 | 91 | 164390 | 21.438 ug/l | 100 |
| 68) m/p-Xylenes | 11.639 | 106 | 123398 | 43.015 ug/l | 97 |
| 69) o-Xylene | 11.962 | 106 | 56634 | 21.175 ug/l | 97 |
| 70) Styrene | 11.975 | 104 | 96585 | 21.667 ug/l | 98 |
| 71) Bromoform | 12.139 | 173 | 18840 | 21.969 ug/l # | 100 |
| 73) Isopropylbenzene | 12.261 | 105 | 155520 | 19.951 ug/l | 100 |
| 74) N-amyl acetate | 12.078 | 43 | 36176 | 21.227 ug/l | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 27554 | 21.254 ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 35524 | 39.244 ug/l # | 100 |
| 77) Bromobenzene | 12.542 | 156 | 35353 | 19.653 ug/l | 96 |
| 78) n-propylbenzene | 12.603 | 91 | 190748 | 20.542 ug/l | 100 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 107600 | 20.232 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 128095 | 20.268 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 9050 | 20.400 ug/l | 96 |
| 82) 4-Chlorotoluene | 12.785 | 91 | 109802 | 20.264 ug/l | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 112082 | 19.511 ug/l | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.054 | 105 | 126991 | 20.551 ug/l | 100 |
| 85) sec-Butylbenzene | 13.182 | 105 | 167172 | 20.216 ug/l | 98 |
| 86) p-Isopropyltoluene | 13.298 | 119 | 137051 | 19.952 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 13.298 | 146 | 70365 | 20.259 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 13.377 | 146 | 69289 | 20.261 ug/l | 97 |
| 89) n-Butylbenzene | 13.627 | 91 | 127507 | 20.348 ug/l | 99 |
| 90) Hexachloroethane | 13.889 | 117 | 28118 | 19.622 ug/l | 88 |
| 91) 1,2-Dichlorobenzene | 13.669 | 146 | 62345 | 20.681 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75 | 4277 | 22.077 ug/l | 92 |
| 93) 1,2,4-Trichlorobenzene | 14.931 | 180 | 33174 | 19.770 ug/l | 99 |
| 94) Hexachlorobutadiene | 15.035 | 225 | 21668 | 19.486 ug/l | 98 |
| 95) Naphthalene | 15.151 | 128 | 55046 | 20.504 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.340 | 180 | 28910 | 20.702 ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021277.D
Acq On : 21 Feb 2025 11:43
Operator : SY/MD
Sample : VY0221SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Quant Time: Feb 21 23:05:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

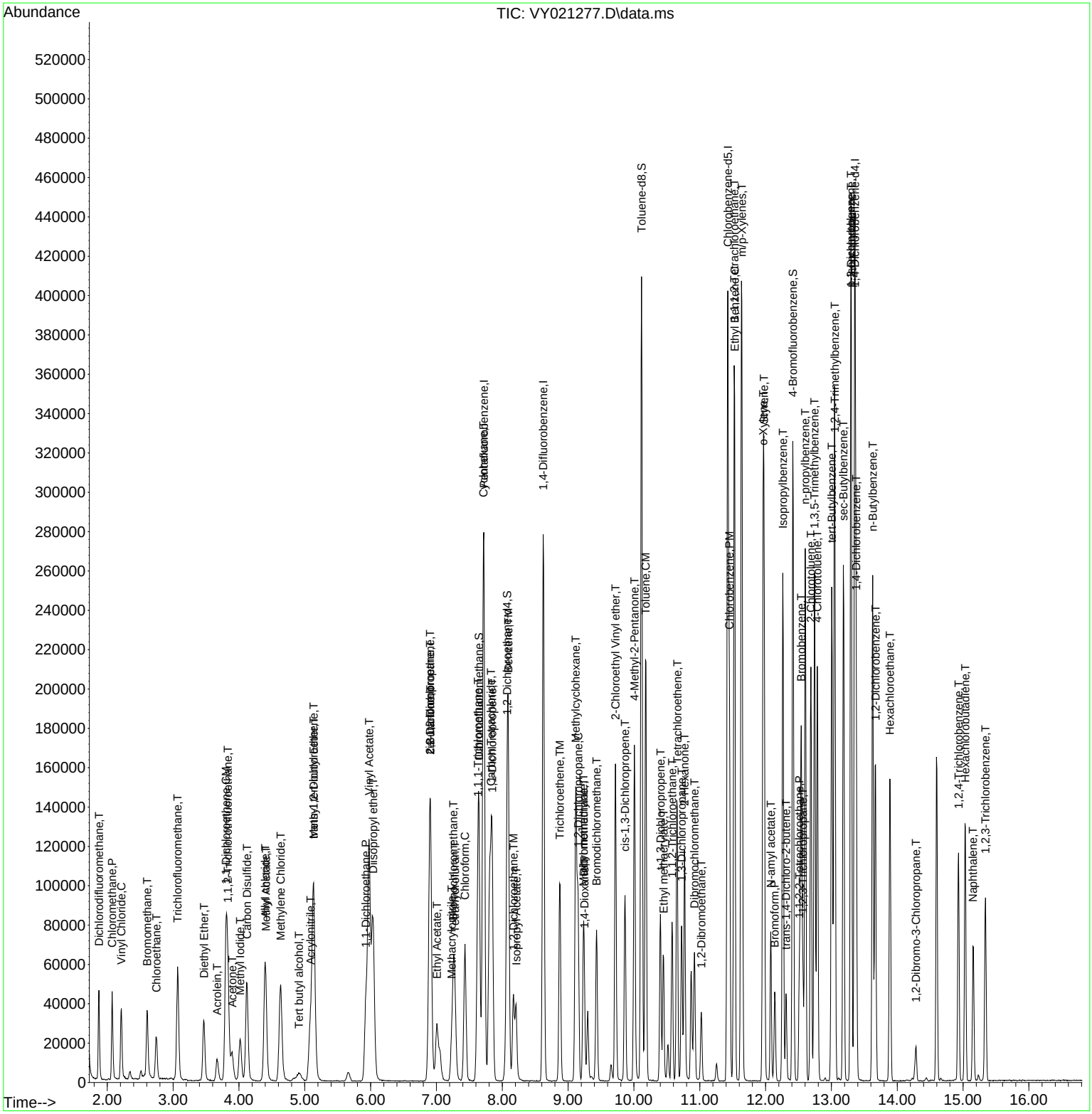
(#) = qualifier out of range (m) = manual integration (+) = signals summed

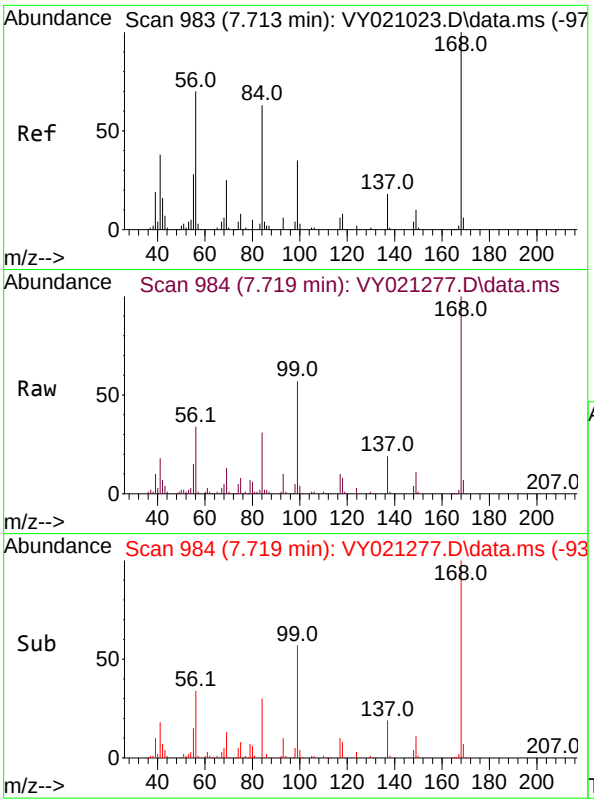
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021277.D
Acq On : 21 Feb 2025 11:43
Operator : SY/MD
Sample : VY0221SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Quant Time: Feb 21 23:05:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



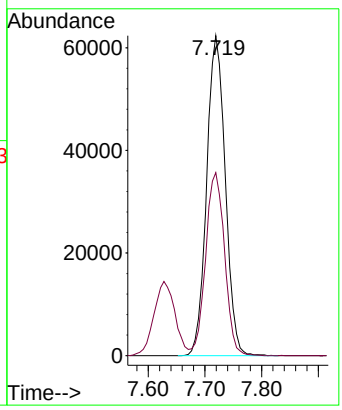


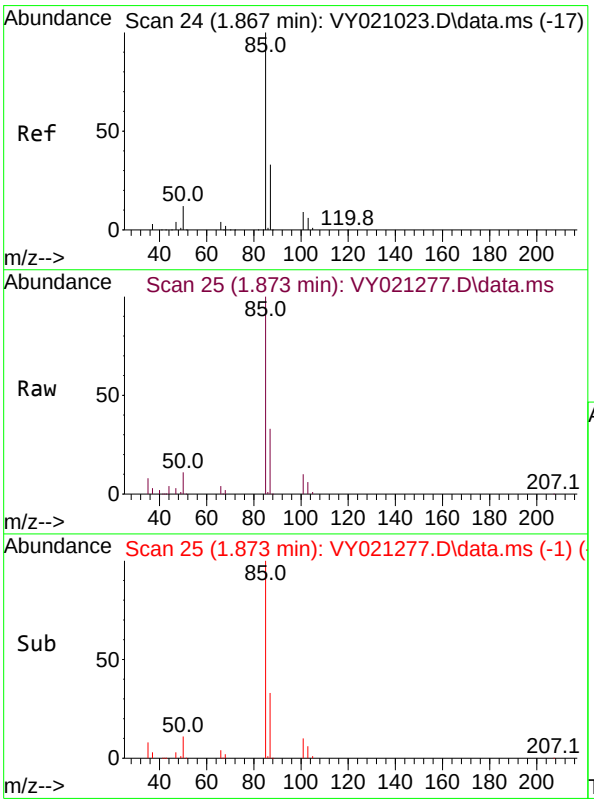

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:168 Resp: 142077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.2 | 44.2 | 66.4 |

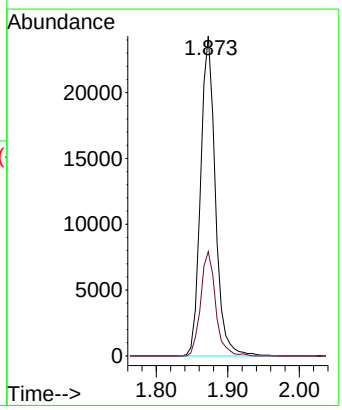


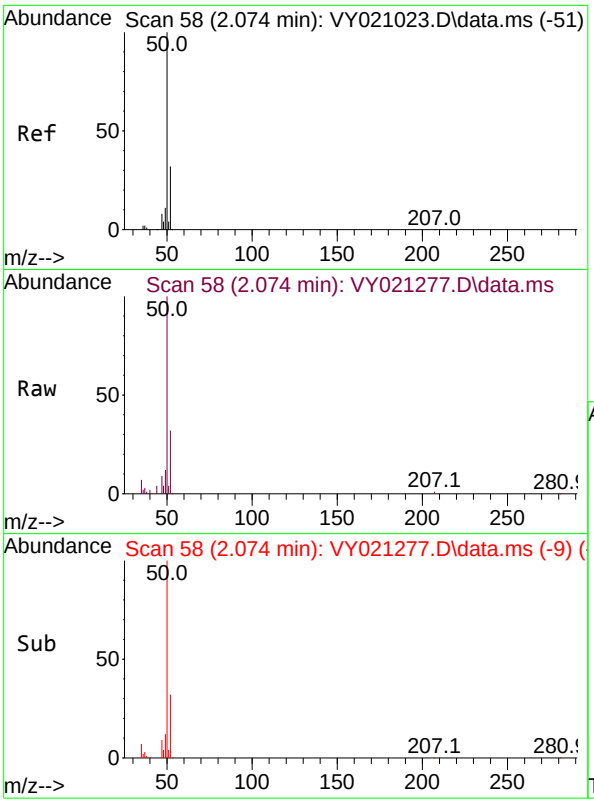




#2
Dichlorodifluoromethane
Concen: 27.437 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 85 Resp: 34744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 17.1 | 51.3 |



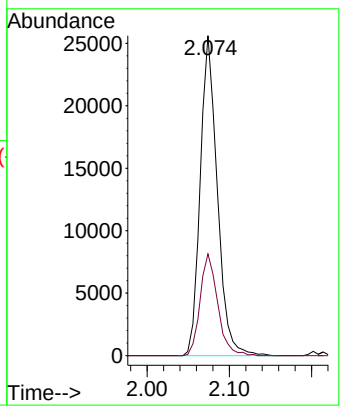


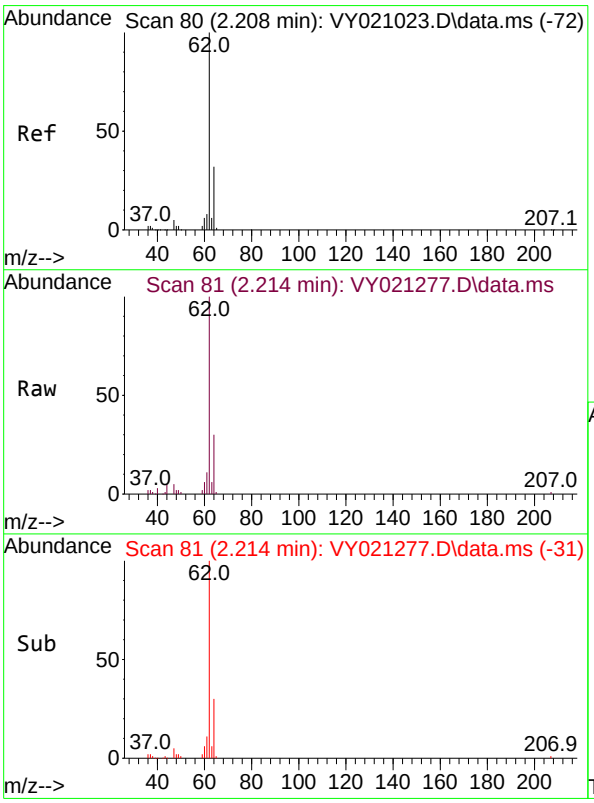

#3
Chloromethane
Concen: 29.526 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 50 Resp: 36895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 26.7 | 40.1 |

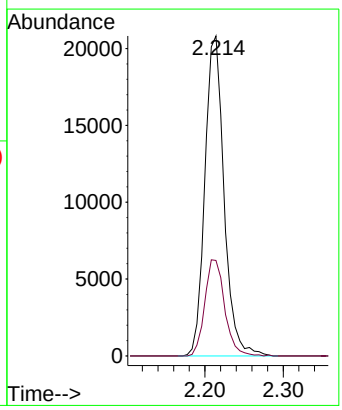


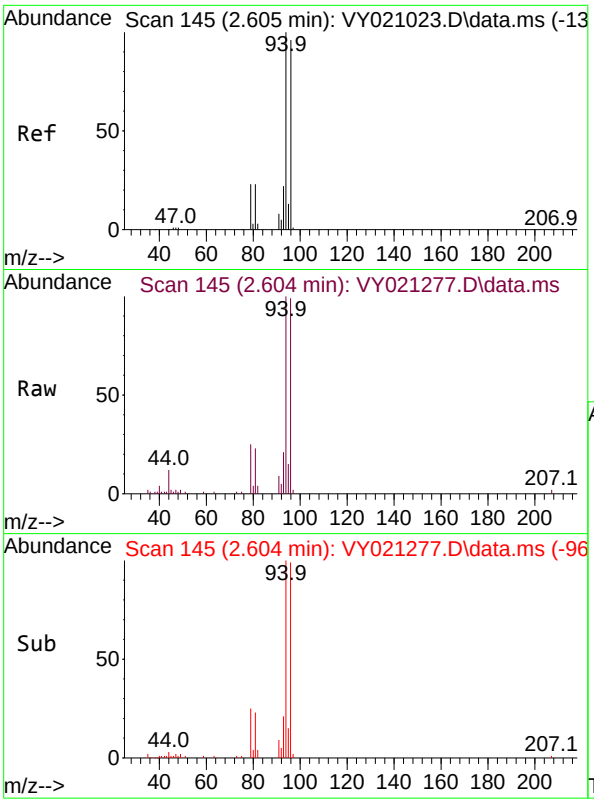




#4
Vinyl Chloride
Concen: 28.175 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 62 Resp: 35436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.8 | 25.7 | 38.5 |



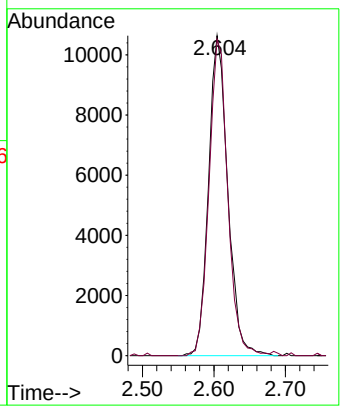


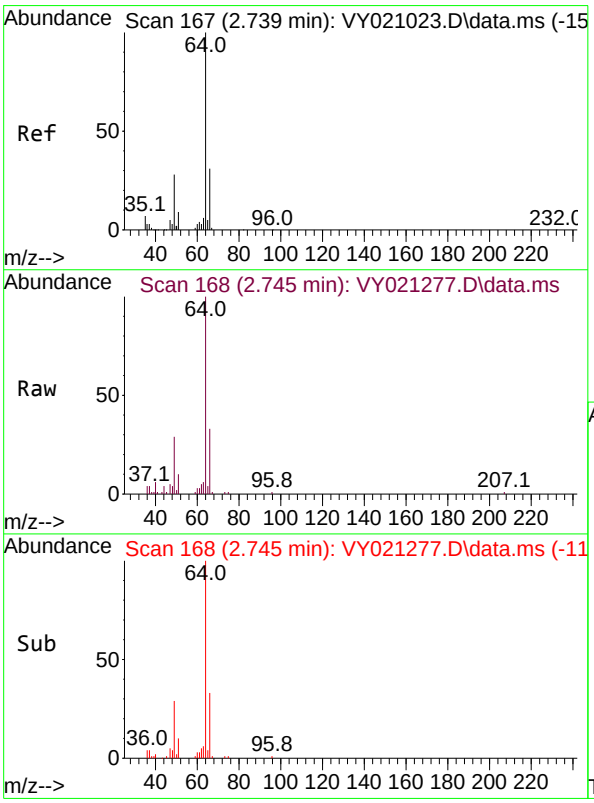

#5
Bromomethane
Concen: 25.614 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 94 Resp: 19911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 98.8 | 77.3 | 115.9 |

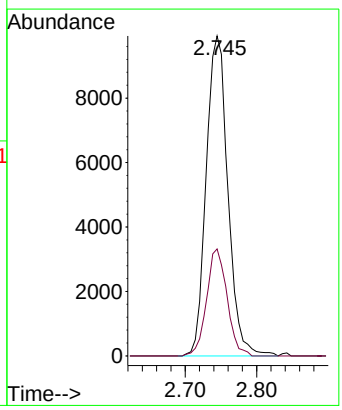


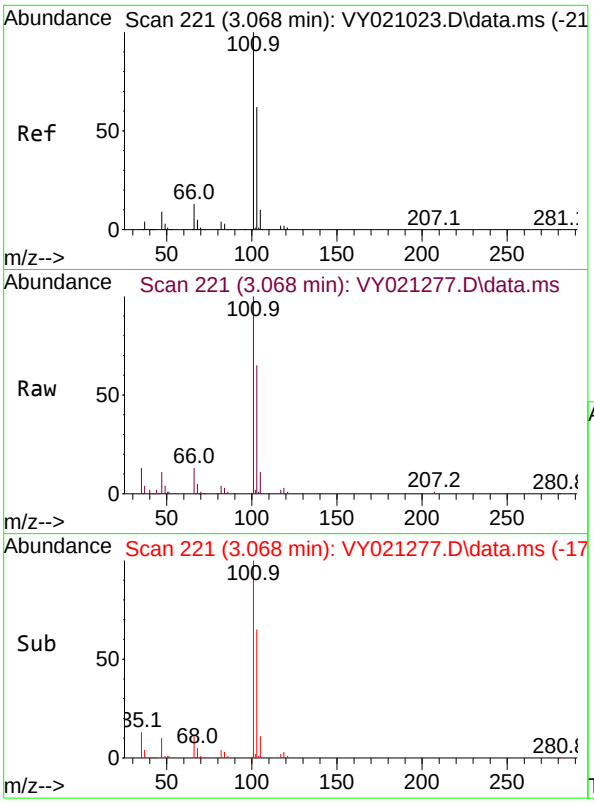




#6
Chloroethane
Concen: 27.909 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 64 Resp: 20895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.4 | 25.1 | 37.7 |



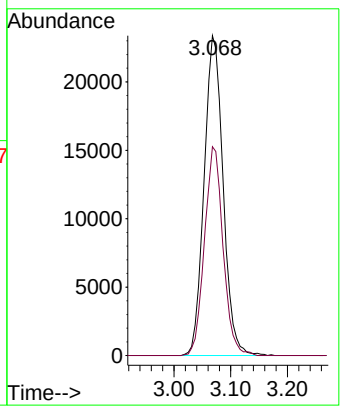


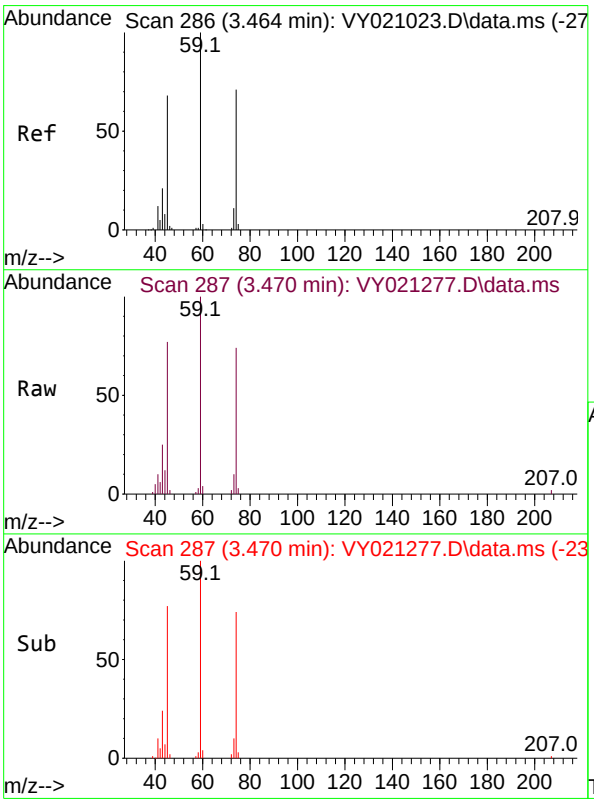

#7
Trichlorofluoromethane
Concen: 23.792 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:101 Resp: 54515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 51.9 | 77.9 |

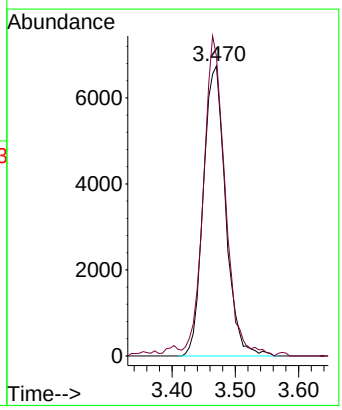


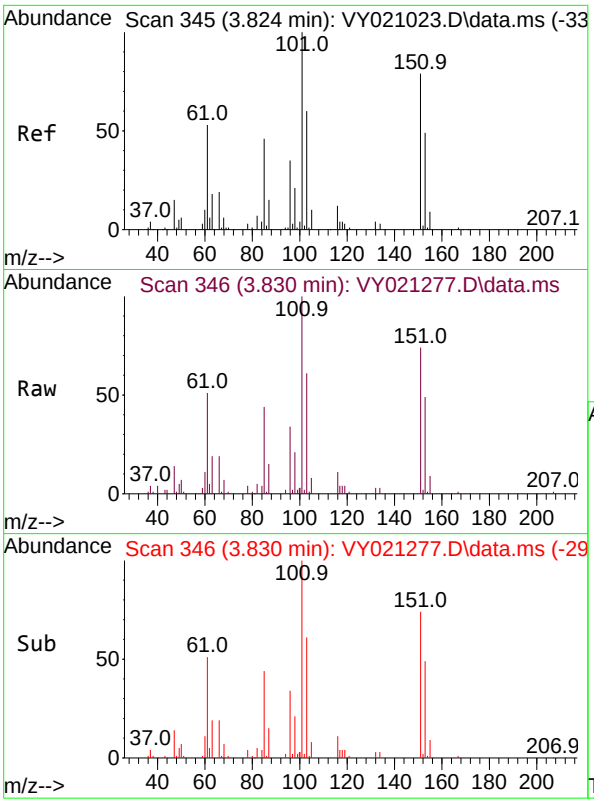




#8
Diethyl Ether
Concen: 23.007 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 74 Resp: 16457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 107.1 | 47.9 | 143.7 |



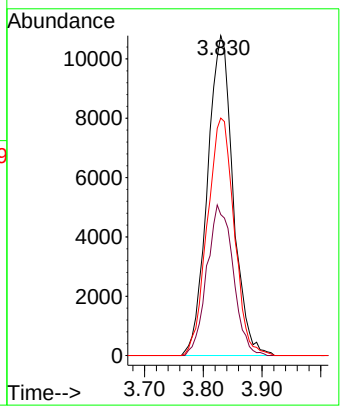


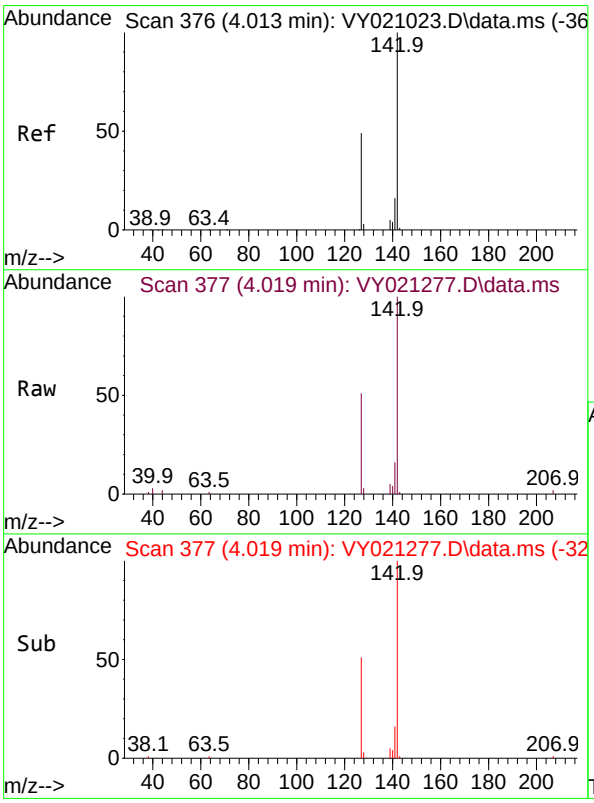

#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.766 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:101 Resp: 32739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.0 | 35.8 | 53.6 |
| 151 | 77.6 | 58.6 | 88.0 |

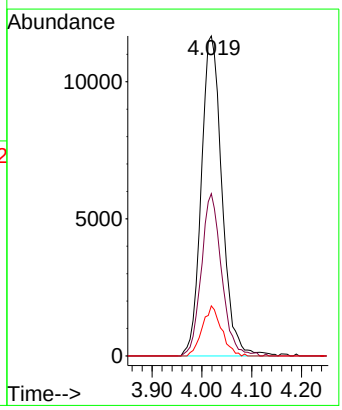


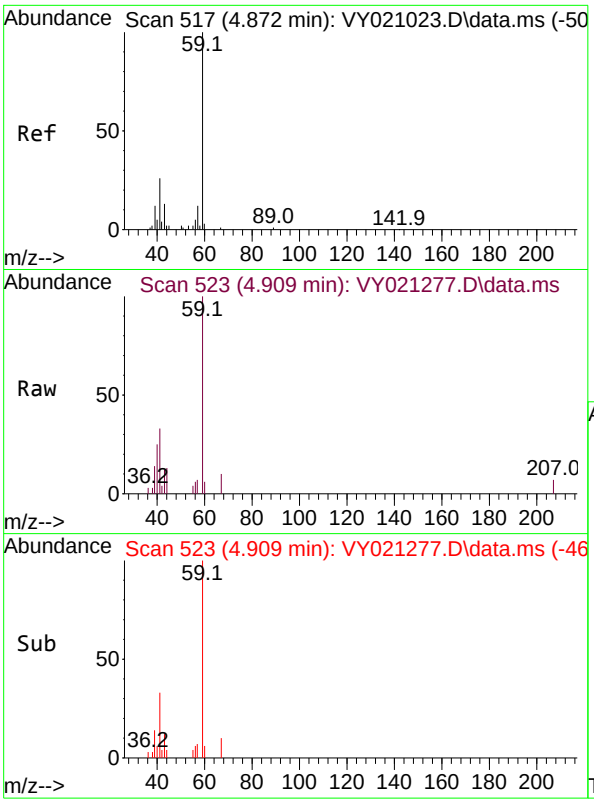




#10
Methyl Iodide
Concen: 21.106 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:142 Resp: 33721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.5 | 35.1 | 52.7 |
| 141 | 14.5 | 11.8 | 17.6 |



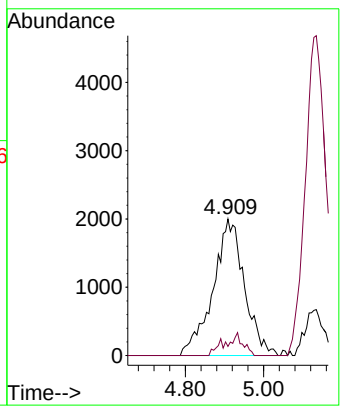


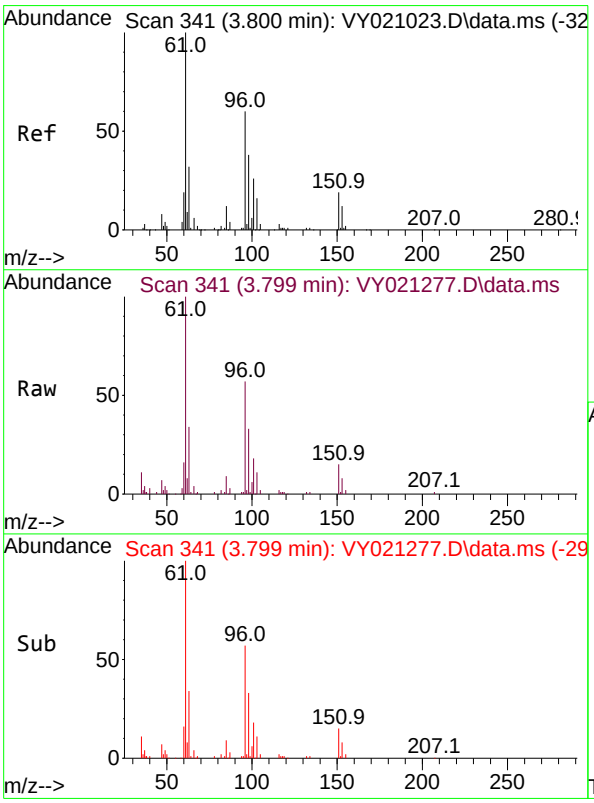

#11
Tert butyl alcohol
Concen: 112.767 ug/l
RT: 4.909 min Scan# 5
Delta R.T. 0.036 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 59 Resp: 11124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.4 | 11.0# |

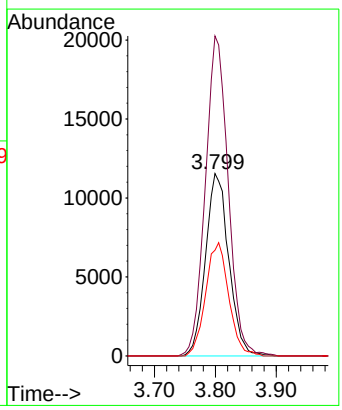


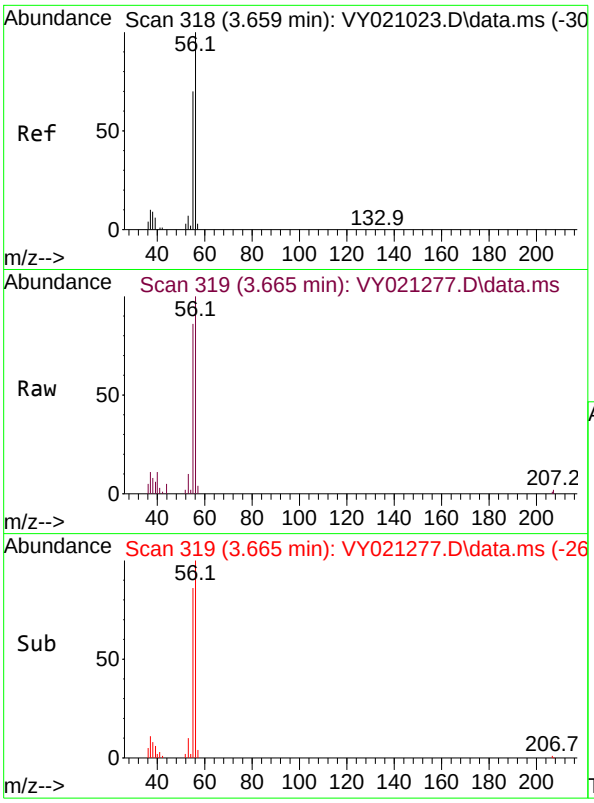




#12
1,1-Dichloroethene
Concen: 22.599 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 96 Resp: 30615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.6 | 124.2 | 186.2 |
| 98 | 58.0 | 52.6 | 79.0 |



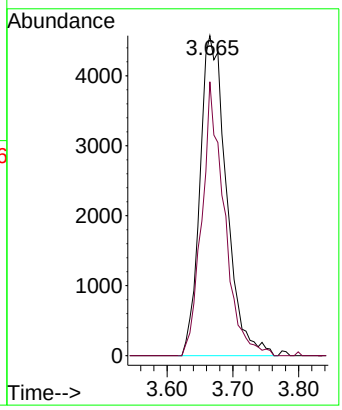


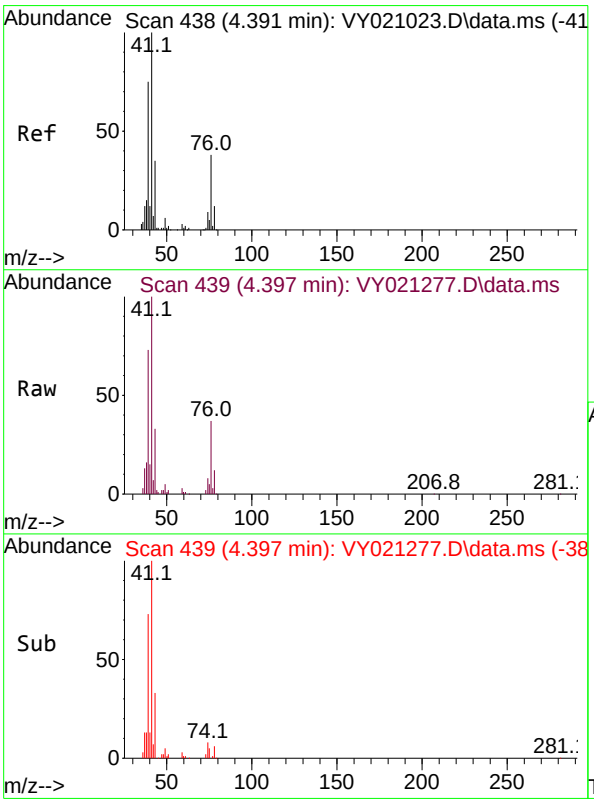

#13
Acrolein
Concen: 84.205 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 56 Resp: 12791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.4 | 55.4 | 83.0 |

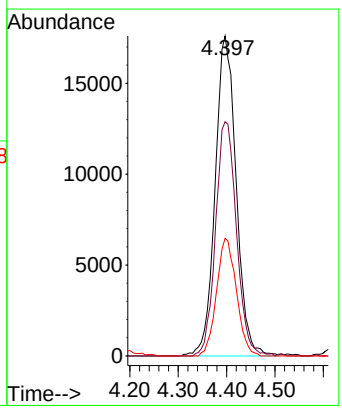


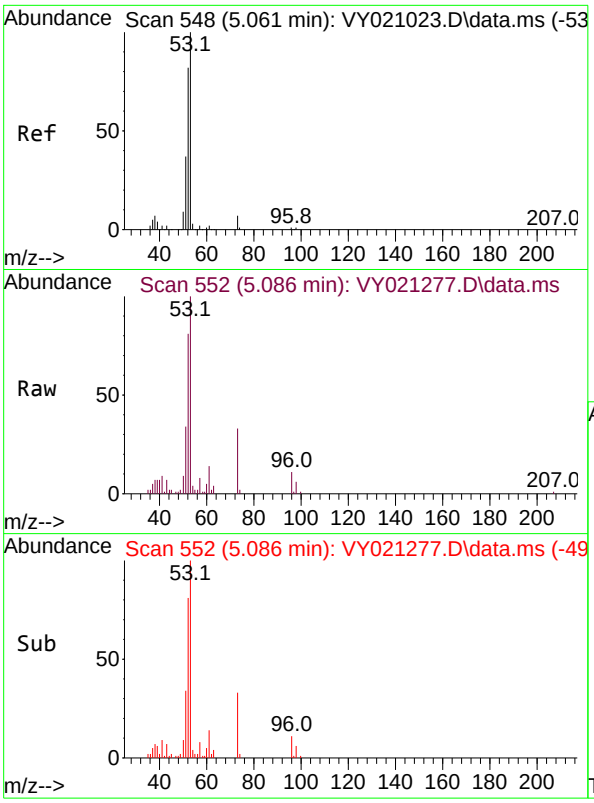




#14
Allyl chloride
Concen: 23.280 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 41 Resp: 53151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.8 | 54.7 | 82.1 |
| 76 | 34.7 | 31.8 | 47.6 |



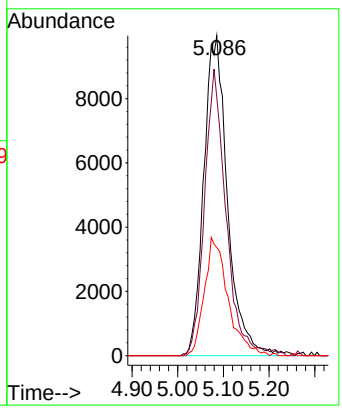


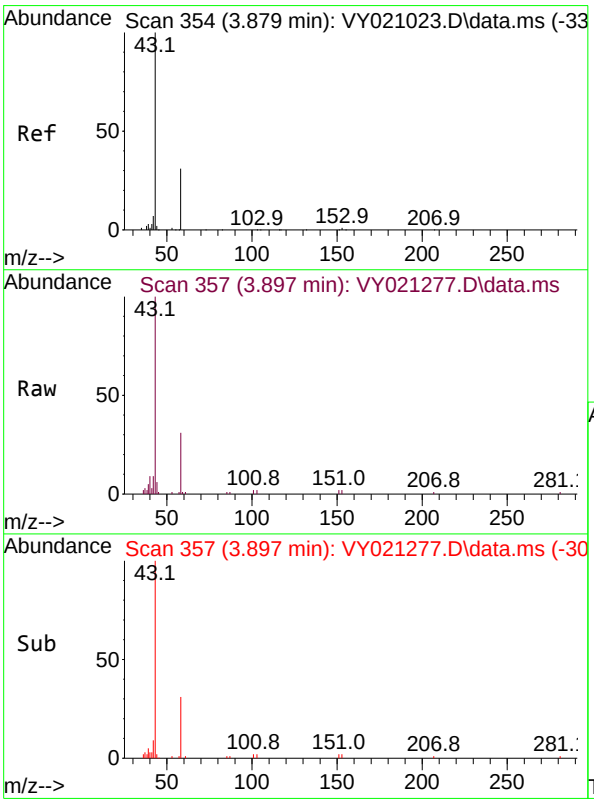

#15
Acrylonitrile
Concen: 120.510 ug/l
RT: 5.086 min Scan# 5
Delta R.T. 0.024 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 53 Resp: 35896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.7 | 65.1 | 97.7 |
| 51 | 36.7 | 29.0 | 43.4 |

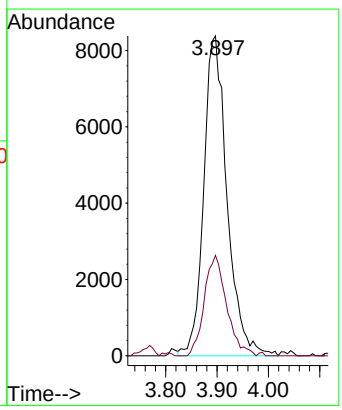


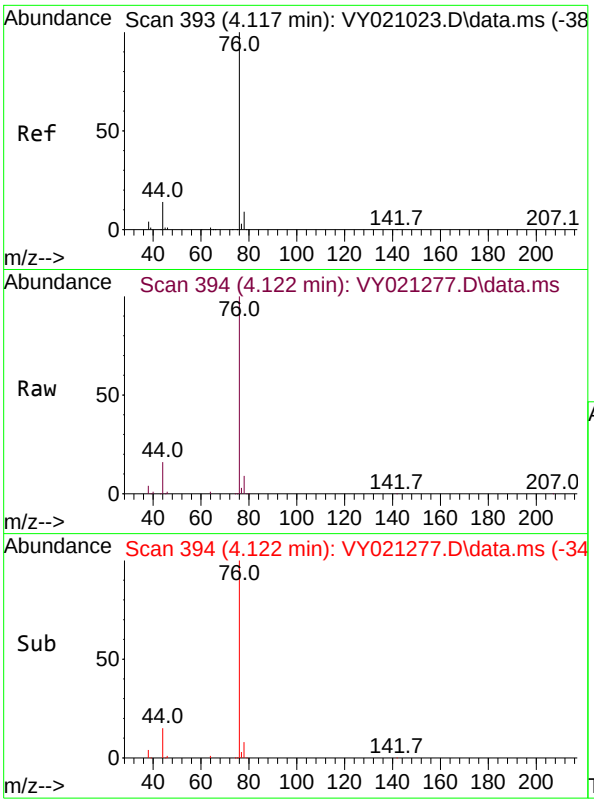




#16
Acetone
Concen: 116.562 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 26461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 26.6 | 39.8 |



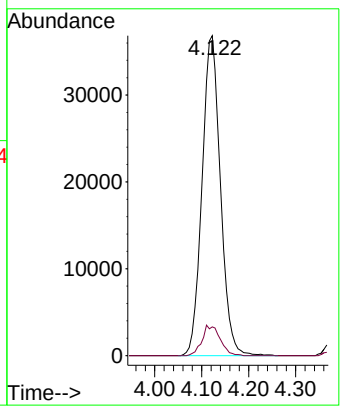


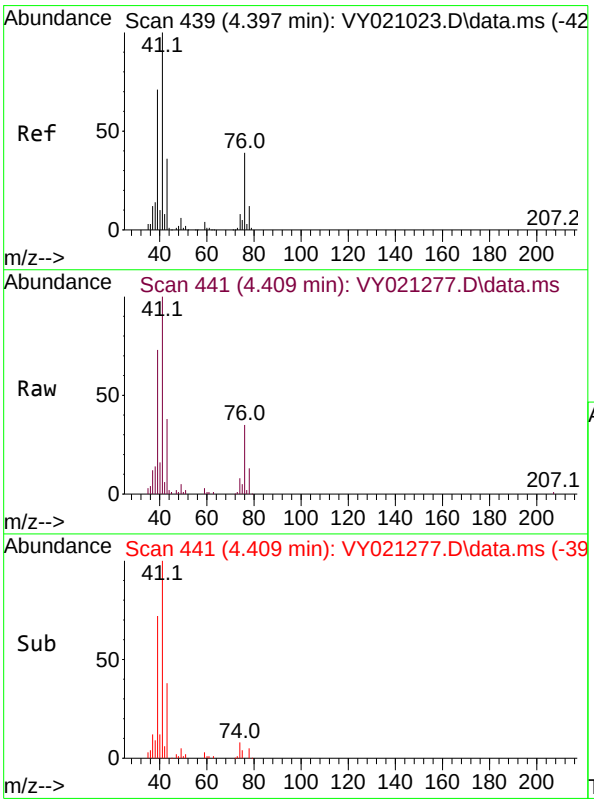

#17
Carbon Disulfide
Concen: 23.585 ug/l
RT: 4.122 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 76 Resp: 100186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.4 | 11.0 |

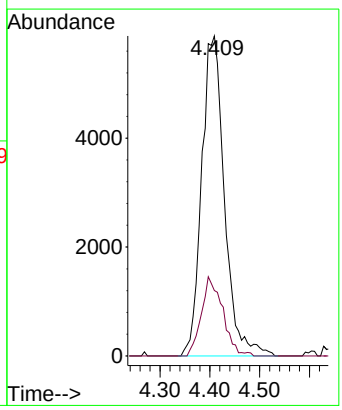


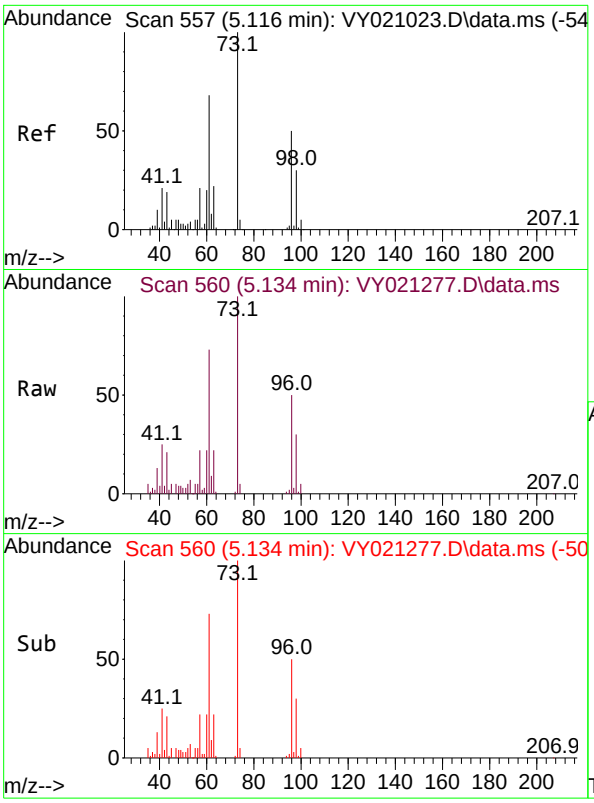




#18
Methyl Acetate
Concen: 23.511 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 18736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.1 | 19.8 | 29.6 |



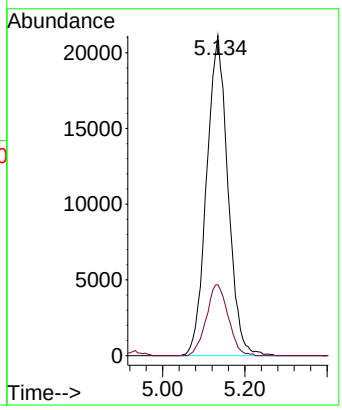


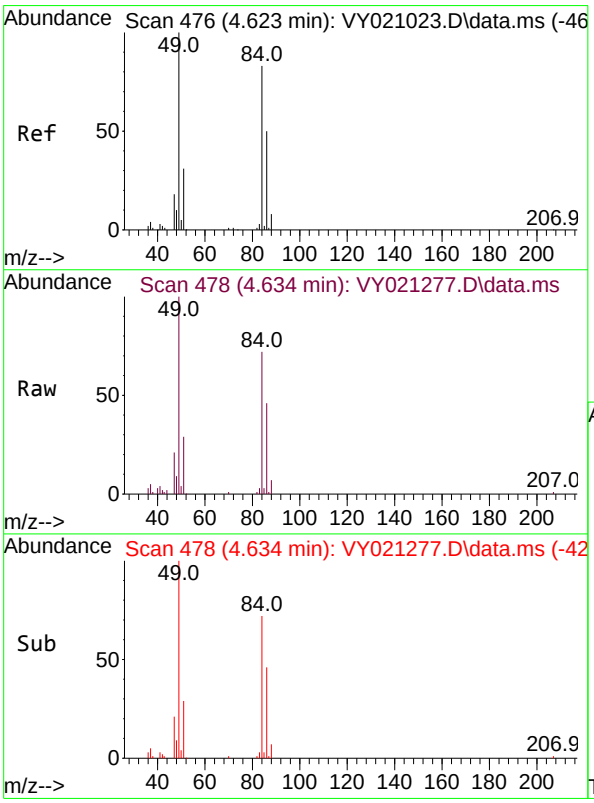

#19
Methyl tert-butyl Ether
Concen: 22.238 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 73 Resp: 76143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.7 | 26.5 |

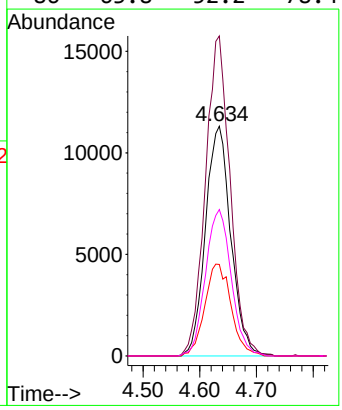


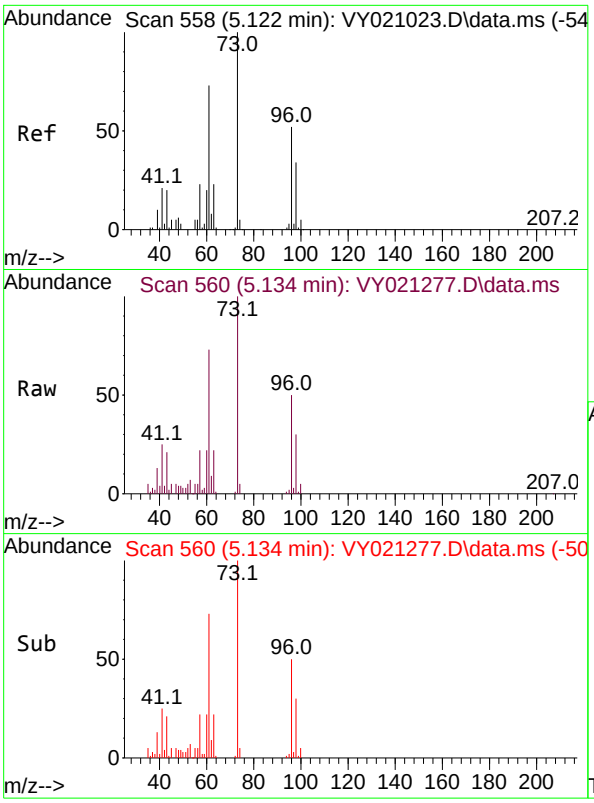




#20
Methylene Chloride
Concen: 24.877 ug/l
RT: 4.634 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 84 Resp: 35107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 139.4 | 95.2 | 142.8 |
| 51 | 39.9 | 29.9 | 44.9 |
| 86 | 63.8 | 52.2 | 78.4 |



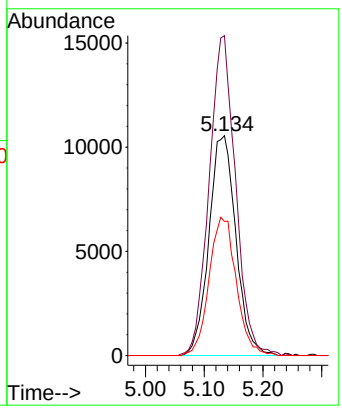


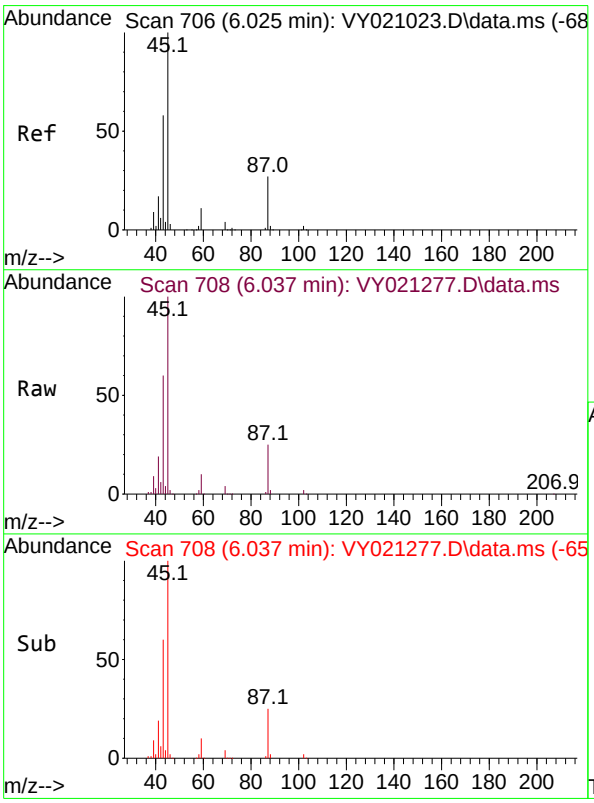

#21
trans-1,2-Dichloroethene
Concen: 22.639 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 96 Resp: 33759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.5 | 104.6 | 156.8 |
| 98 | 61.0 | 50.9 | 76.3 |

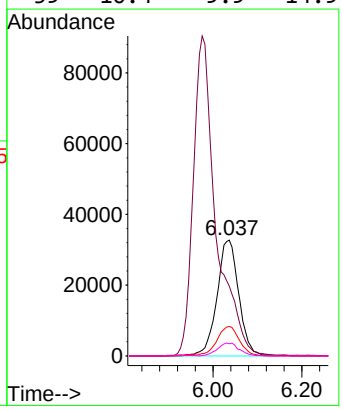


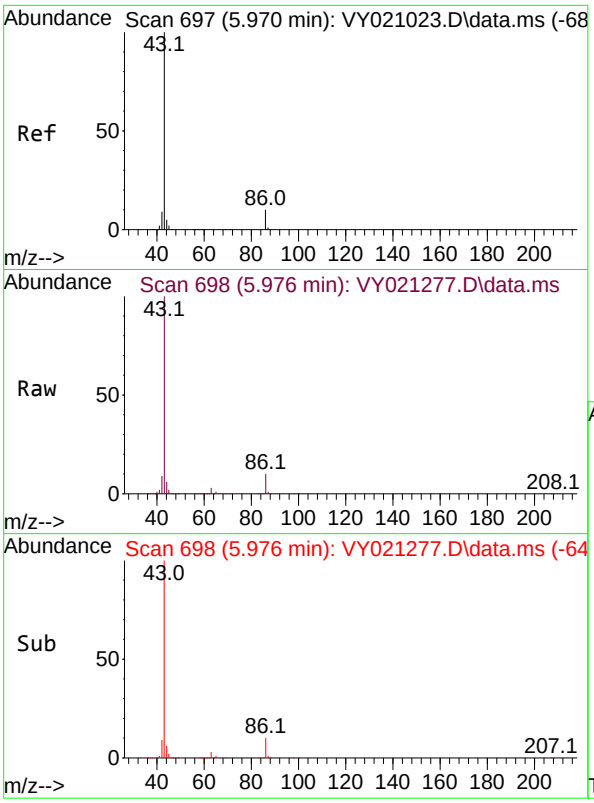




#22
Diisopropyl ether
Concen: 23.651 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 45 Resp: 111301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 59.5 | 46.8 | 70.2 |
| 87 | 25.3 | 22.2 | 33.2 |
| 59 | 10.4 | 9.9 | 14.9 |



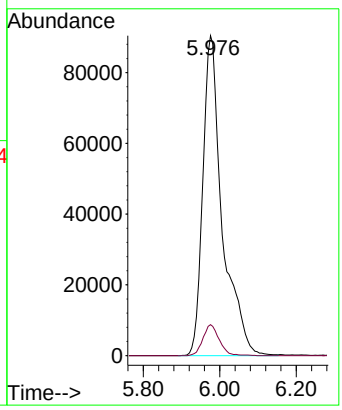


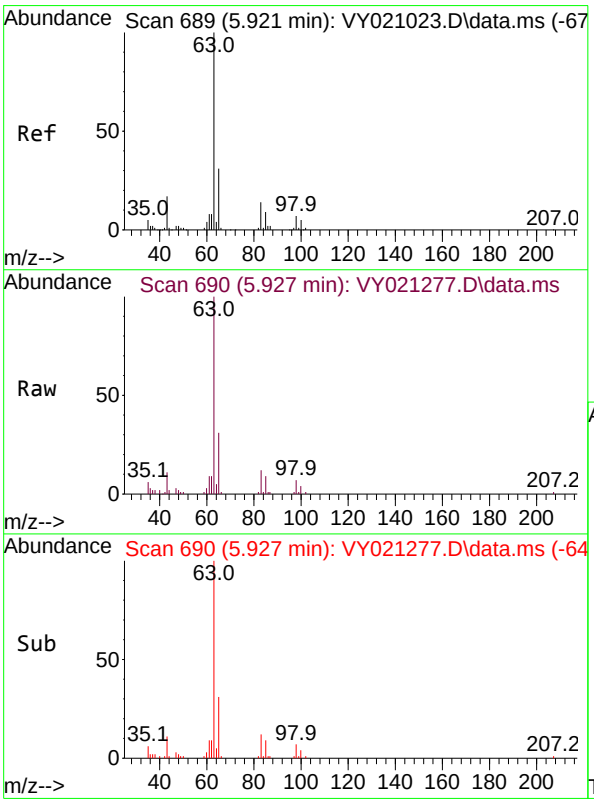

#23
Vinyl Acetate
Concen: 121.879 ug/l
RT: 5.976 min Scan# 69
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 43 Resp: 319737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.7 | 8.6 | 13.0 |

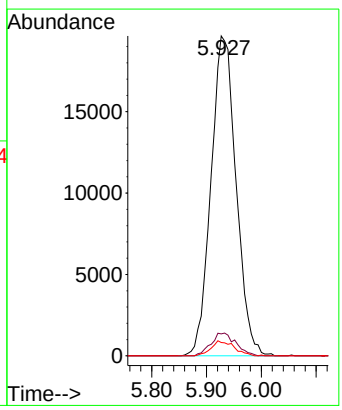


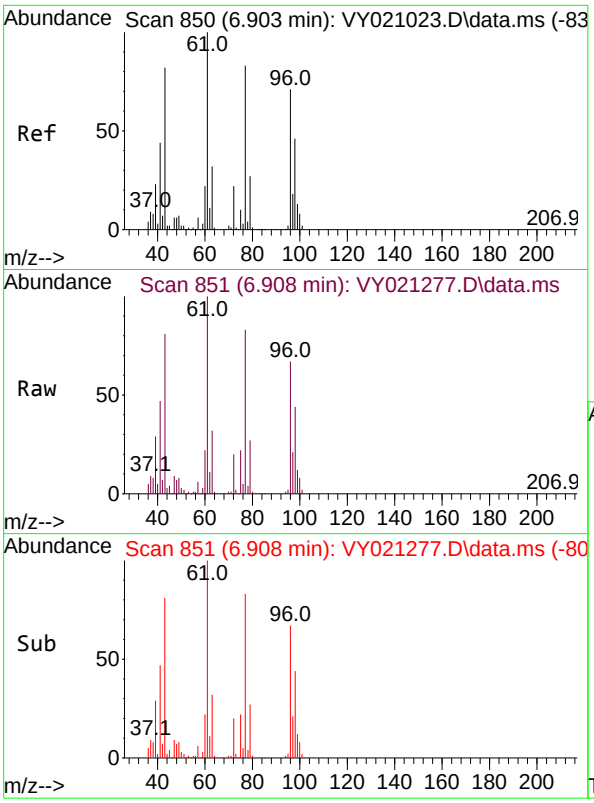




#24
1,1-Dichloroethane
Concen: 22.697 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 63 Resp: 62579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 3.8 | 11.4 |
| 100 | 4.2 | 2.1 | 6.2 |



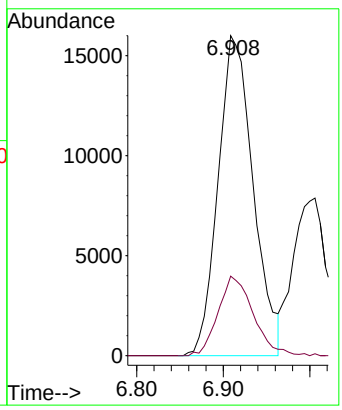


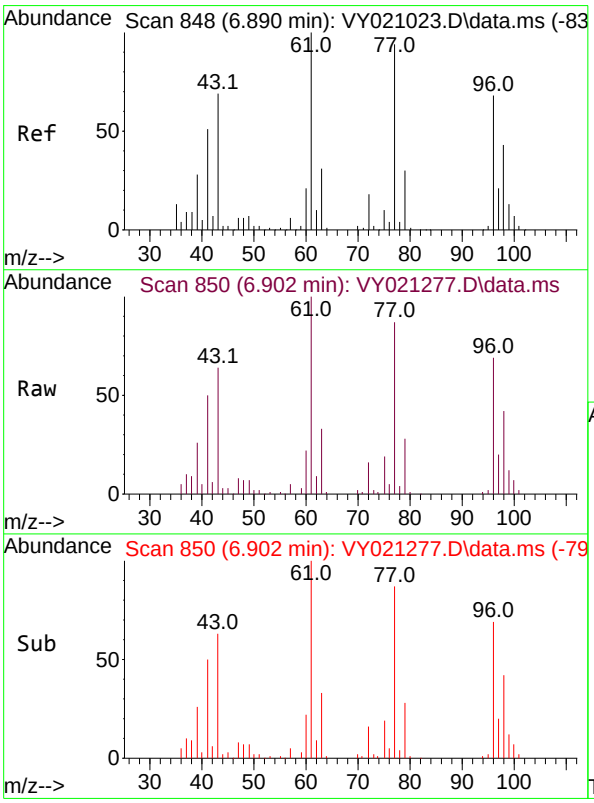

#25
2-Butanone
Concen: 121.018 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 43 Resp: 45145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 21.4 | 32.2 |

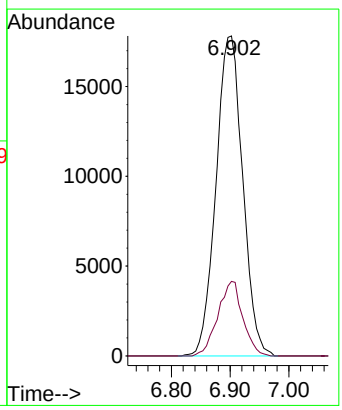


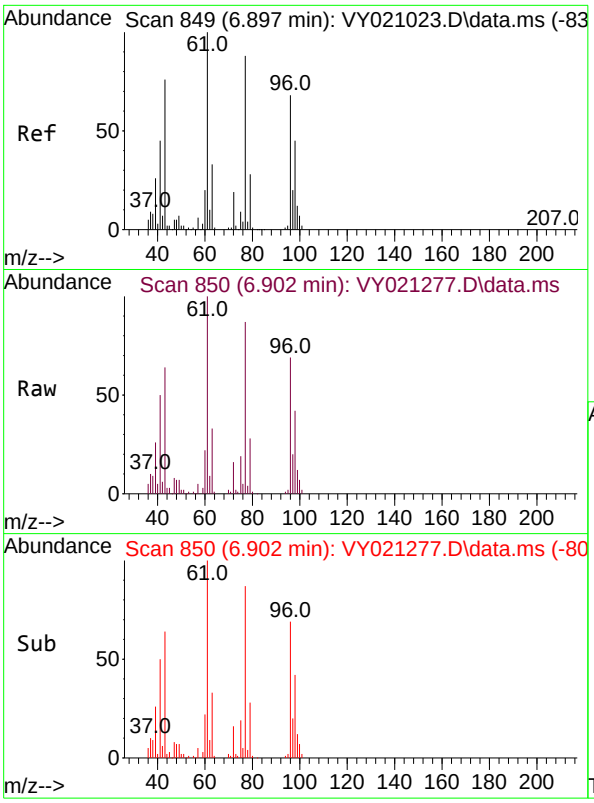




#26
2,2-Dichloropropane
Concen: 22.020 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 77 Resp: 56177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 11.7 | 35.0 |



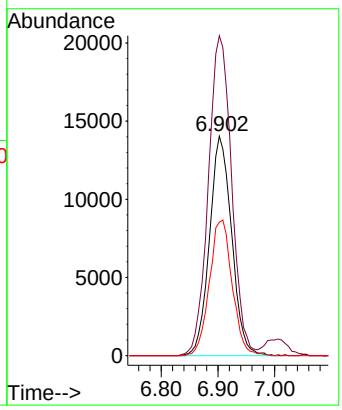


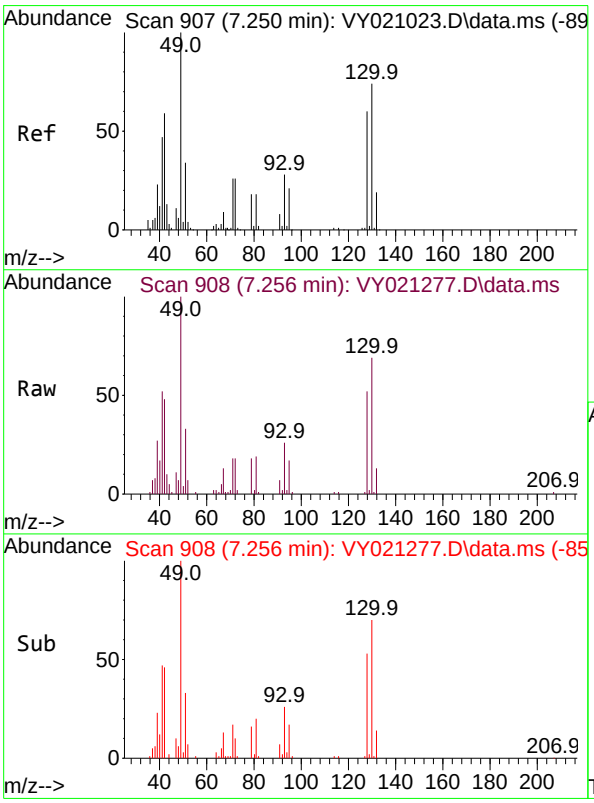

#27
cis-1,2-Dichloroethene
Concen: 22.234 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 96 Resp: 38161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.9 | 0.0 | 278.8 |
| 98 | 63.3 | 0.0 | 127.0 |

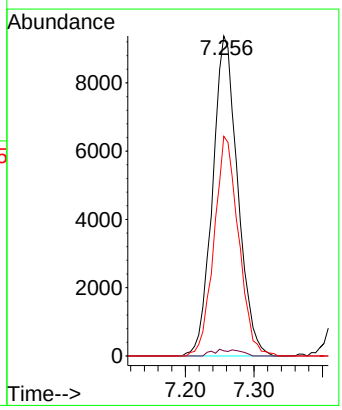


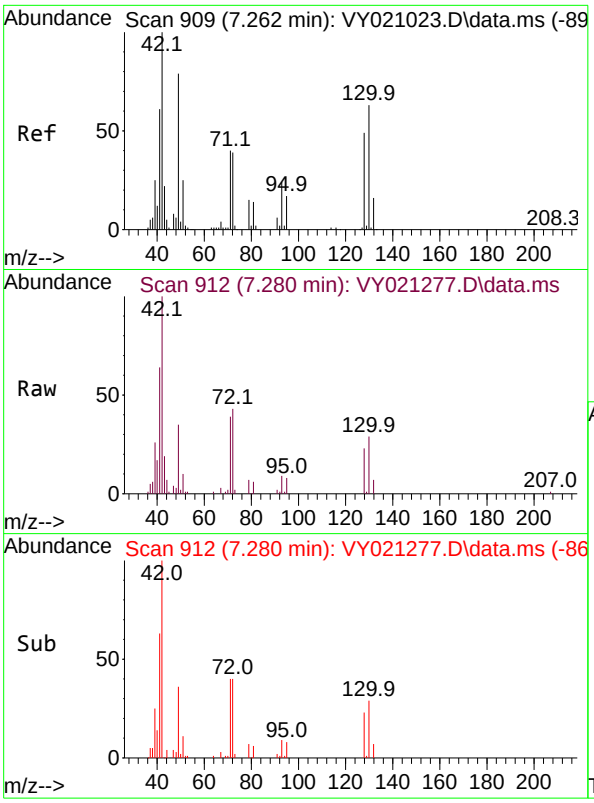




#28
Bromochloromethane
Concen: 21.942 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 49 Resp: 23922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.2 | 0.0 | 3.8 |
| 130 | 67.0 | 59.8 | 89.8 |



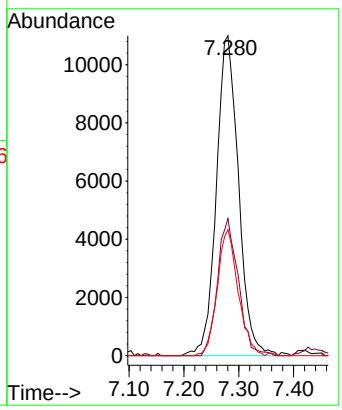


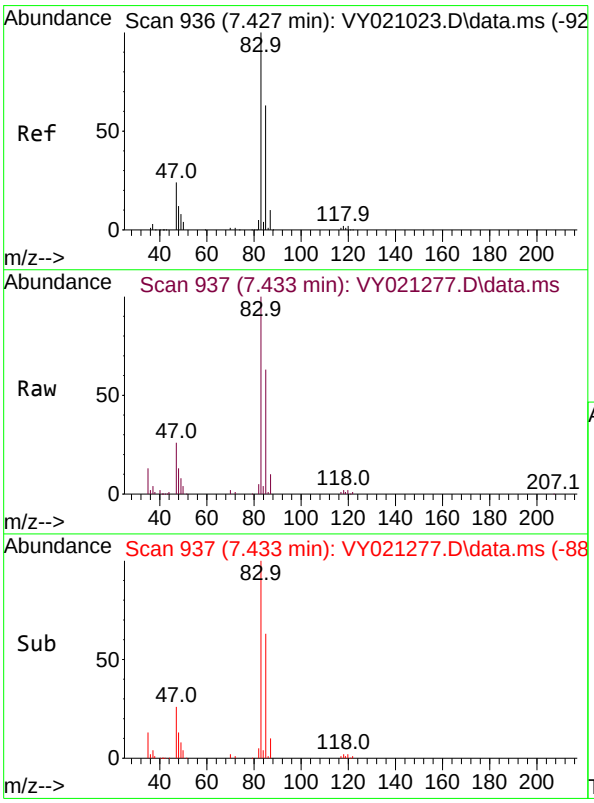

#29
Tetrahydrofuran
Concen: 122.151 ug/l
RT: 7.280 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 42 Resp: 30834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.2 | 36.6 | 54.8 |
| 71 | 37.1 | 33.8 | 50.6 |

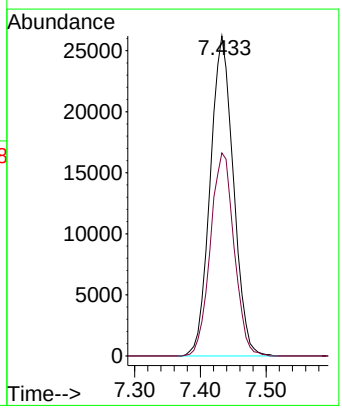


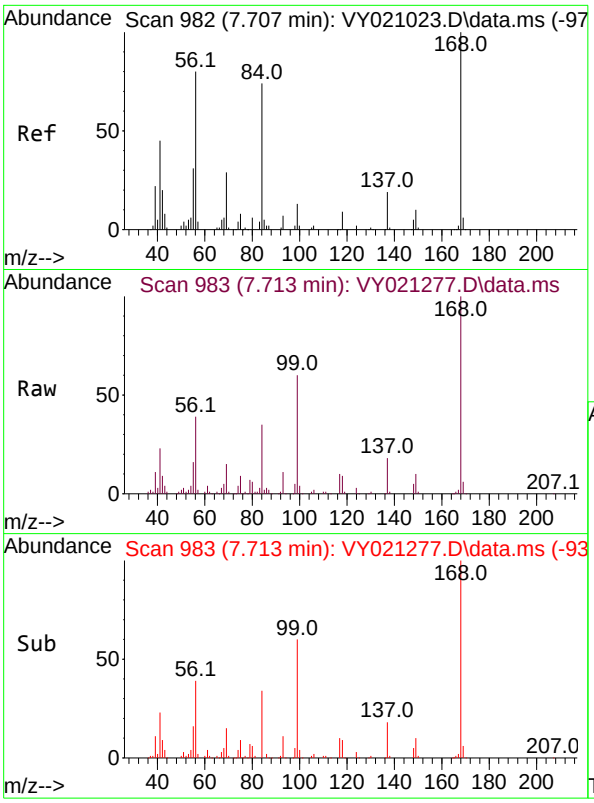




#30
Chloroform
Concen: 22.575 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 83 Resp: 63933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 51.2 | 76.8 |



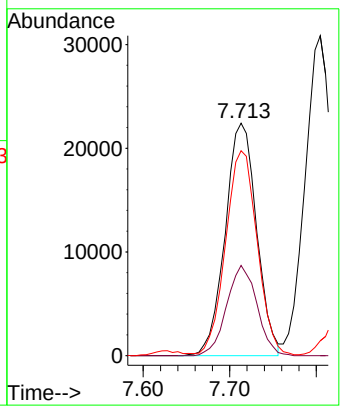


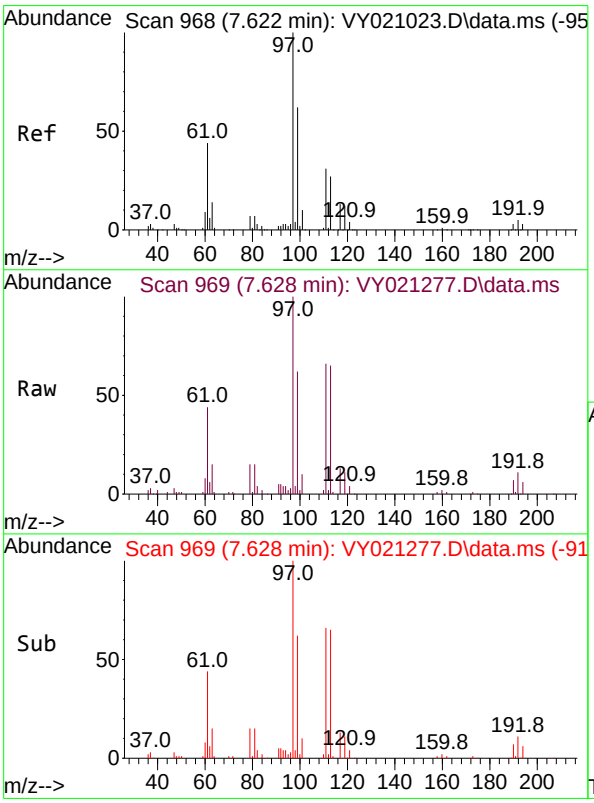

#31
Cyclohexane
Concen: 22.802 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 56 Resp: 56614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 38.8 | 27.0 | 40.6 |
| 84 | 86.5 | 71.8 | 107.6 |

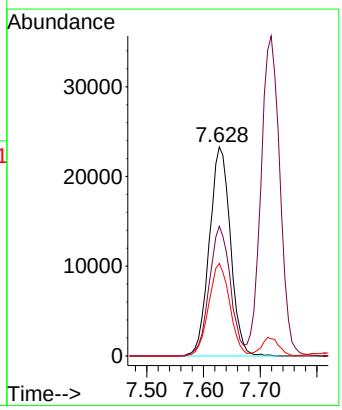


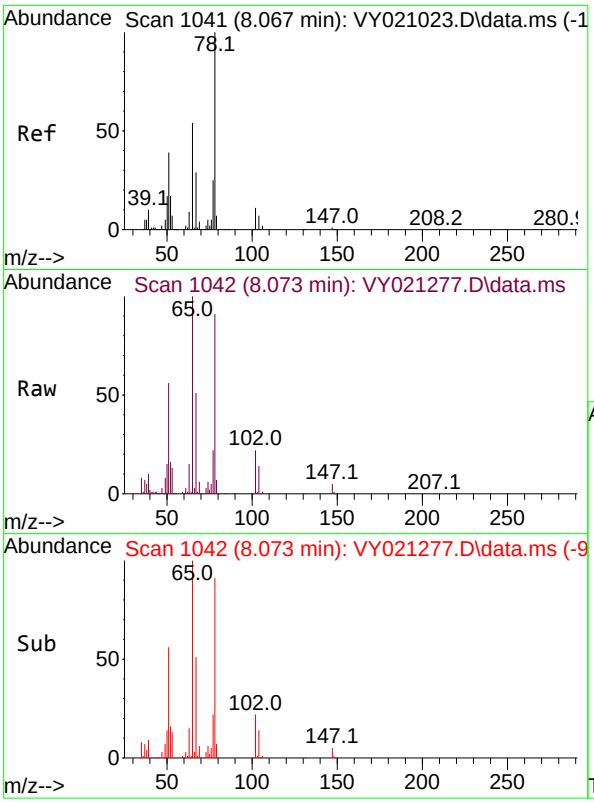




#32
1,1,1-Trichloroethane
Concen: 22.806 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 97 Resp: 60049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.0 | 51.2 | 76.8 |
| 61 | 44.4 | 35.0 | 52.6 |



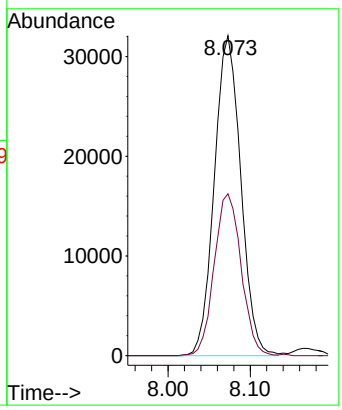


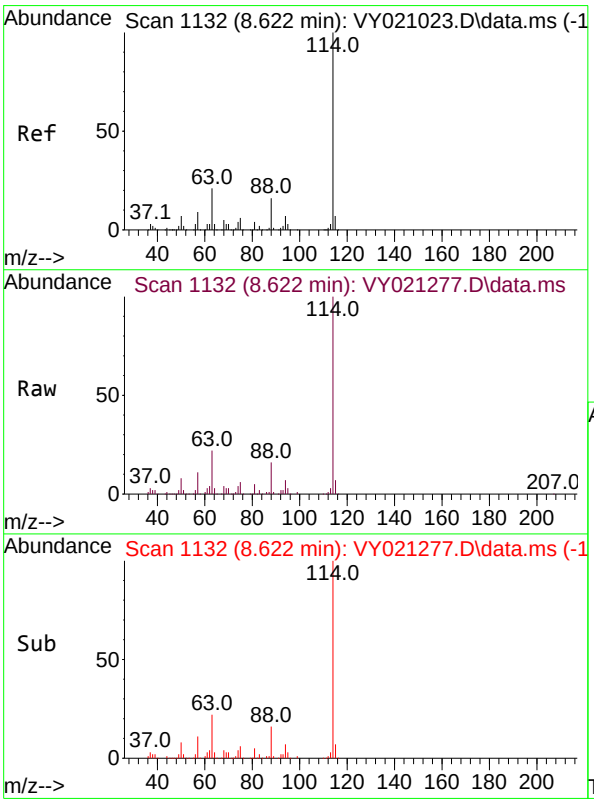

#33
1,2-Dichloroethane-d4
Concen: 49.241 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 65 Resp: 71680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 109.0 |

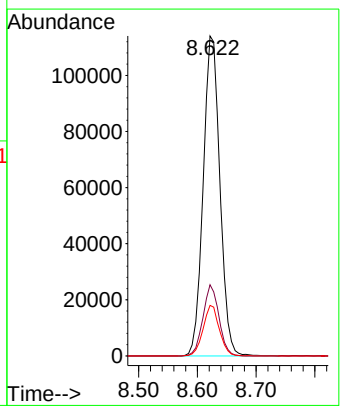


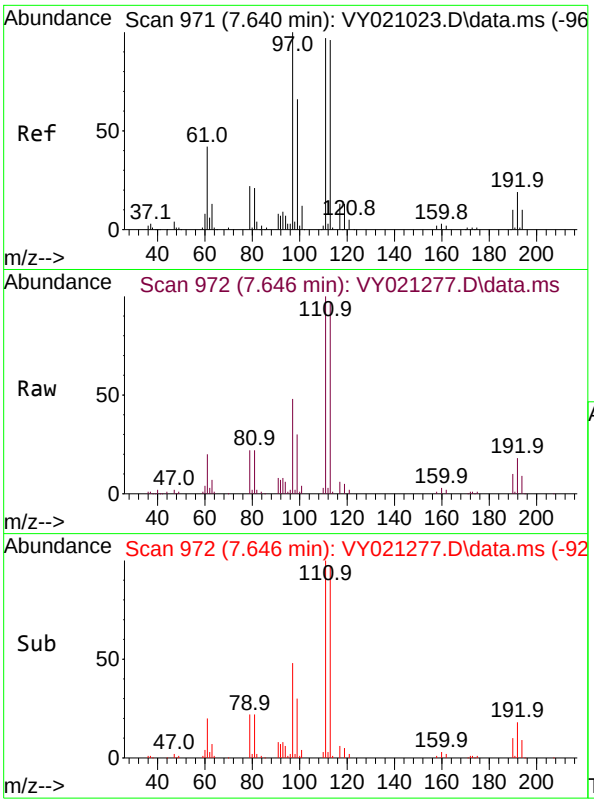




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:114 Resp: 225088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.2 | 0.0 | 37.4 |
| 88 | 15.8 | 0.0 | 29.0 |



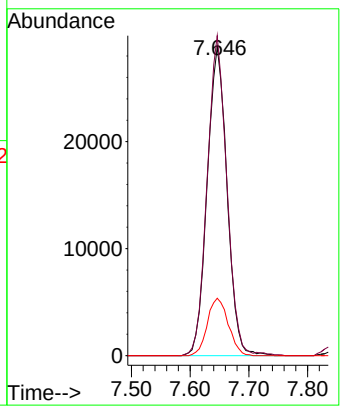


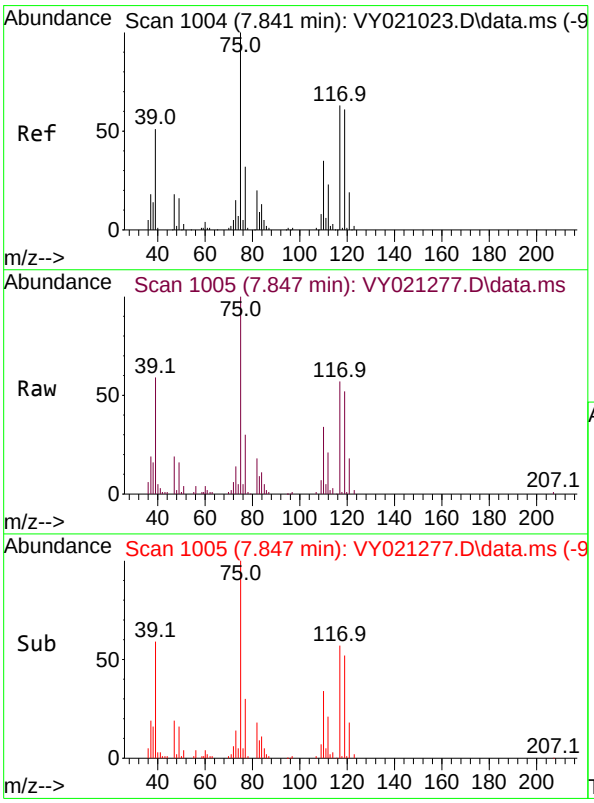

#35
Dibromofluoromethane
Concen: 47.035 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:113 Resp: 67848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 83.8 | 125.6 |
| 192 | 19.5 | 14.5 | 21.7 |

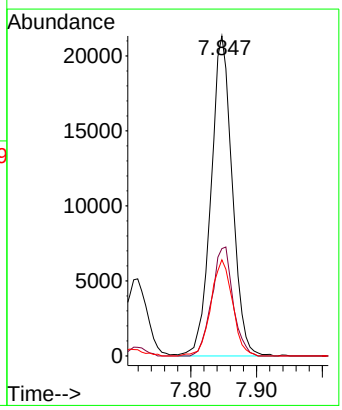


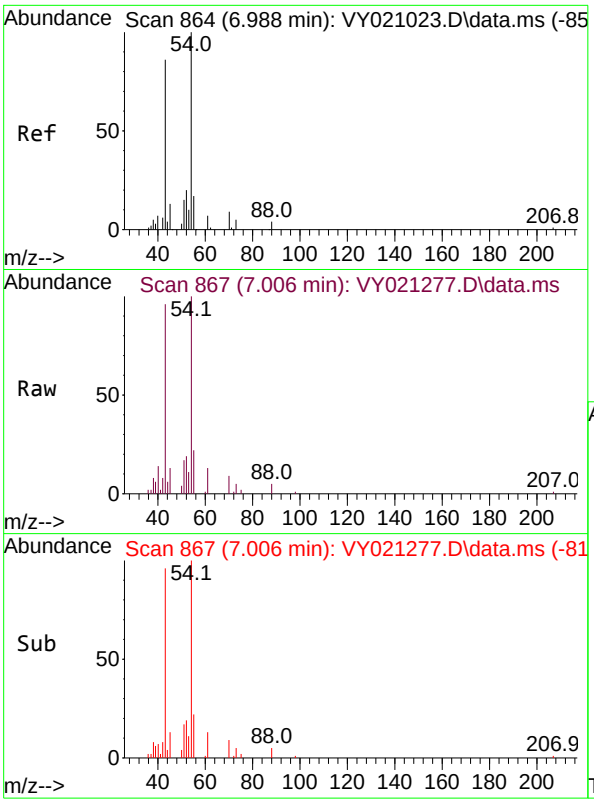




#36
1,1-Dichloropropene
Concen: 22.343 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 75 Resp: 47738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.0 | 17.4 | 52.3 |
| 77 | 30.5 | 24.7 | 37.1 |



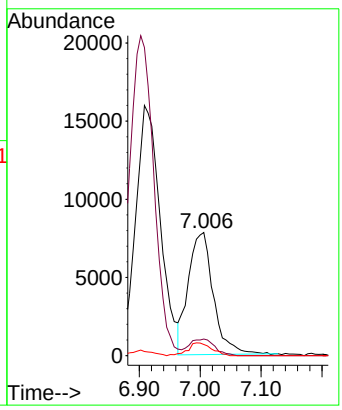


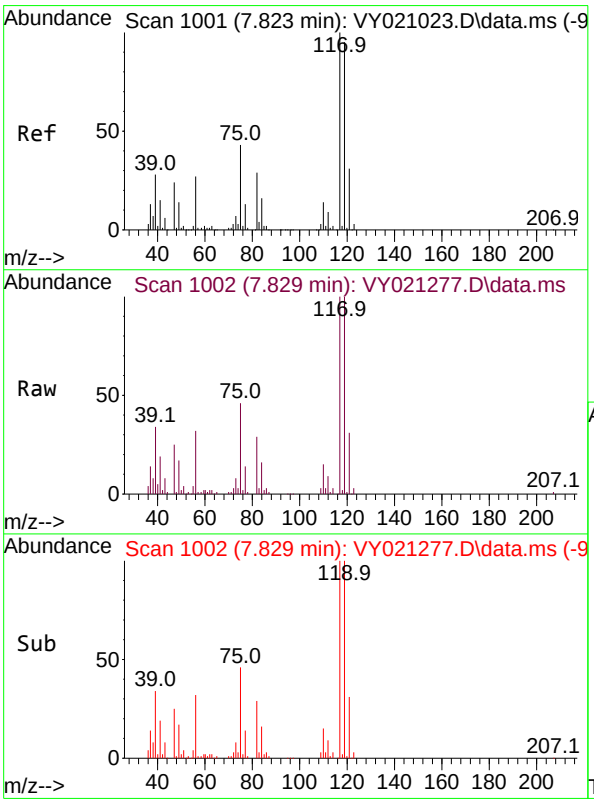

#37
Ethyl Acetate
Concen: 23.817 ug/l
RT: 7.006 min Scan# 8
Delta R.T. 0.018 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 43 Resp: 22324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.7 | 11.0 | 16.6 |
| 70 | 9.8 | 8.1 | 12.1 |

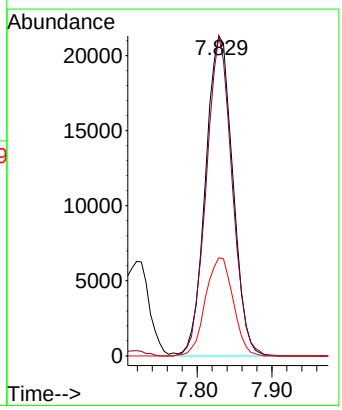


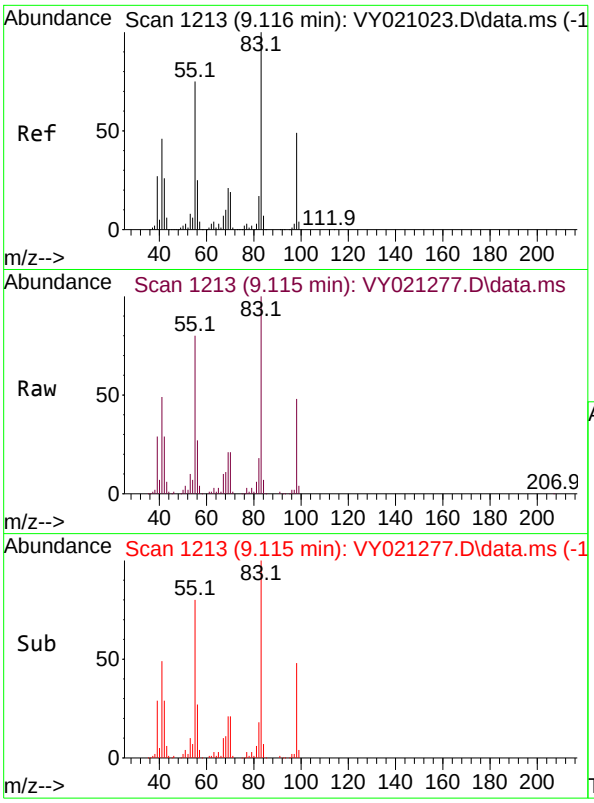




#38
Carbon Tetrachloride
Concen: 21.549 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:117 Resp: 53797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.9 | 76.0 | 114.0 |
| 121 | 30.7 | 24.2 | 36.2 |



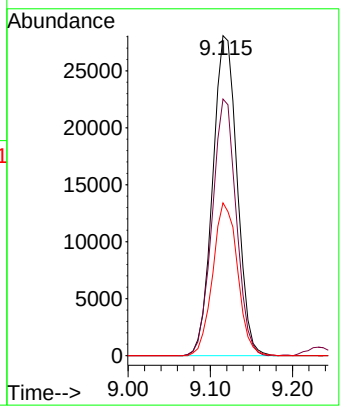


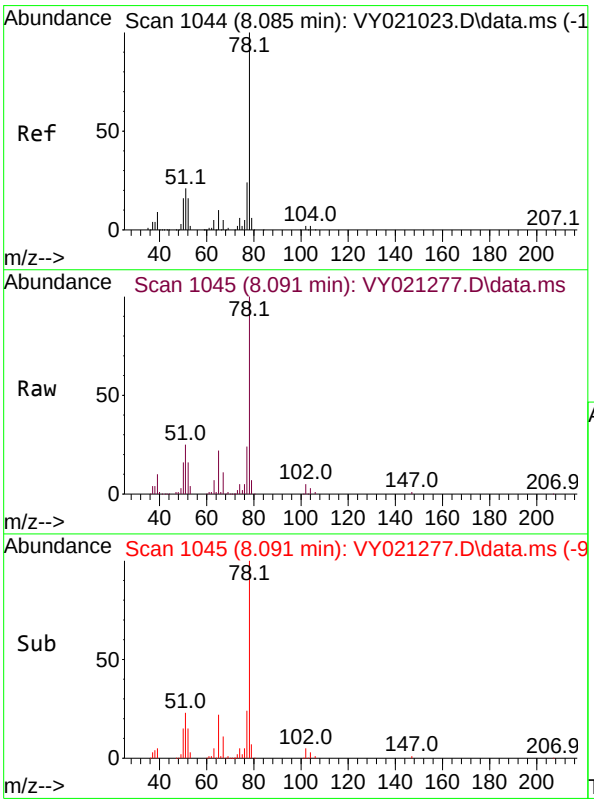

#39
Methylcyclohexane
Concen: 22.168 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 83 Resp: 57935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.2 | 59.7 | 89.5 |
| 98 | 47.7 | 38.0 | 57.0 |

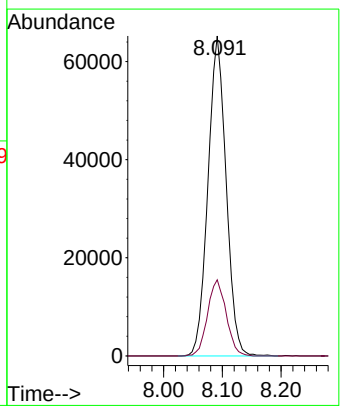


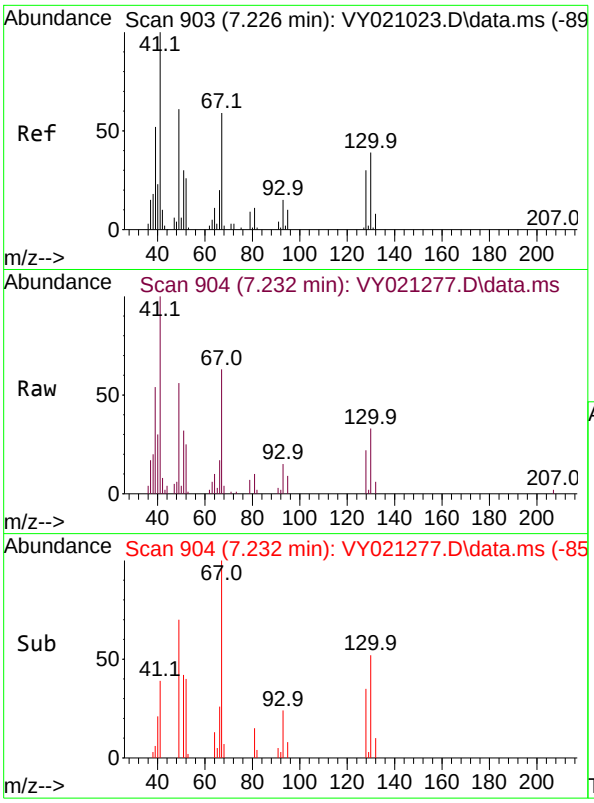




#40
Benzene
Concen: 22.315 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 78 Resp: 139916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 18.8 | 28.2 |



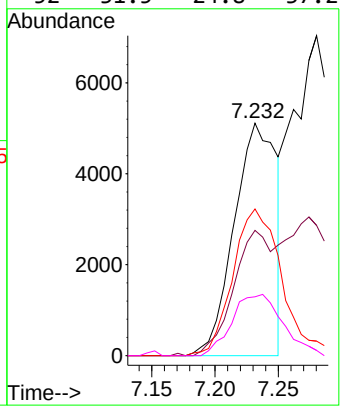


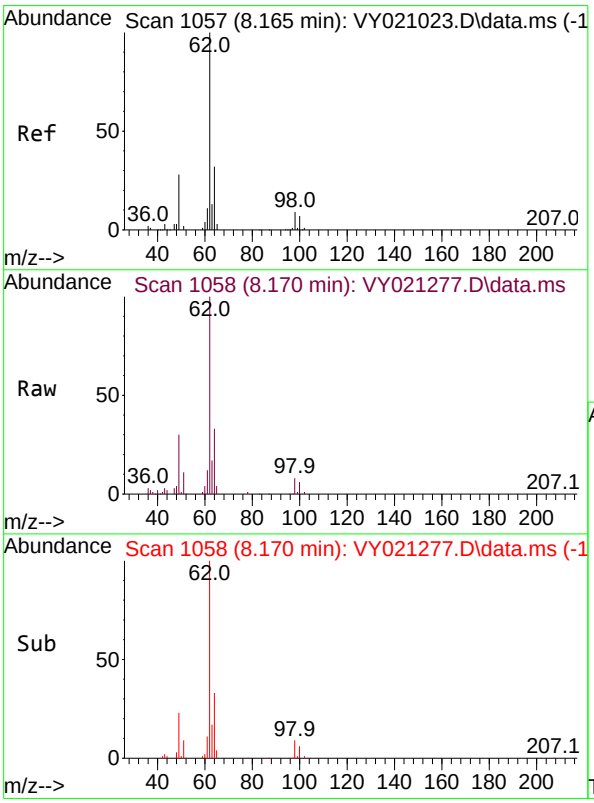

#41
Methacrylonitrile
Concen: 21.934 ug/l
RT: 7.232 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 41 Resp: 11894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 46.4 | 41.9 | 62.9 |
| 67 | 73.4 | 59.8 | 89.6 |
| 52 | 31.5 | 24.8 | 37.2 |

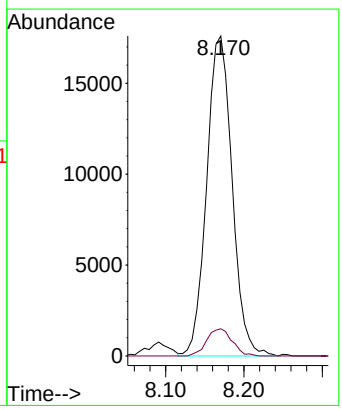


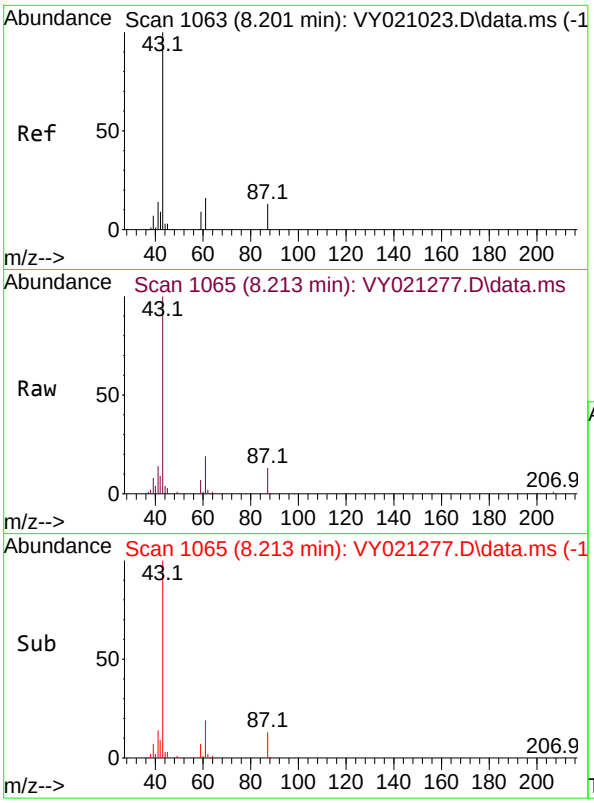




#42
1,2-Dichloroethane
Concen: 22.843 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 62 Resp: 39732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.4 | 0.0 | 20.2 |



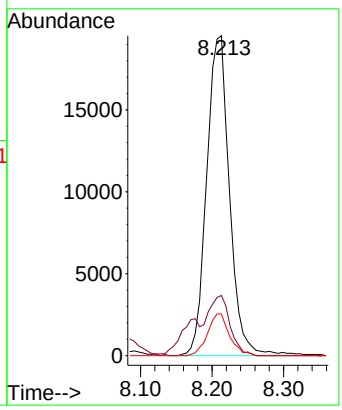


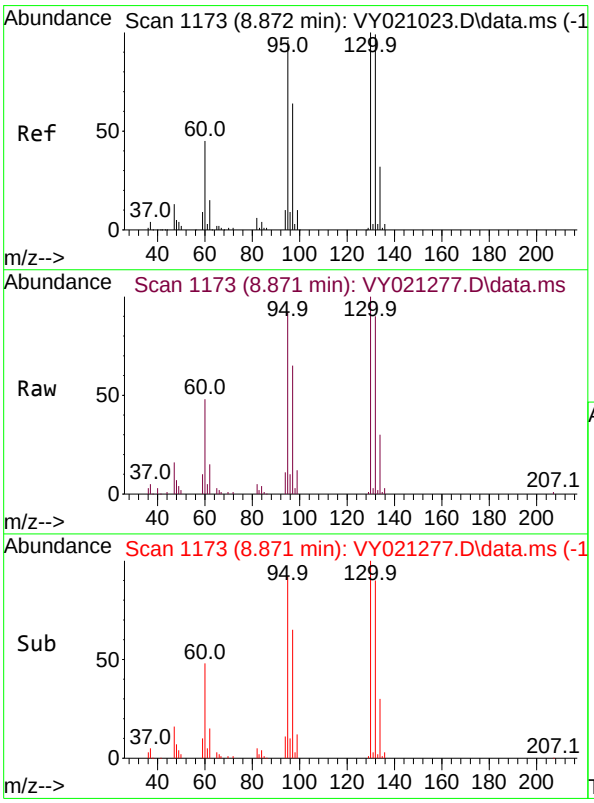

#43
Isopropyl Acetate
Concen: 23.171 ug/l
RT: 8.213 min Scan# 10
Delta R.T. 0.012 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 43 Resp: 43155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.6 | 24.8 | 37.2# |
| 87 | 12.6 | 10.7 | 16.1 |

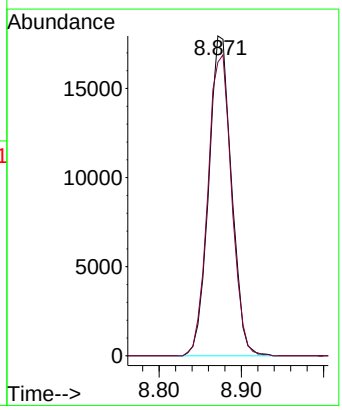


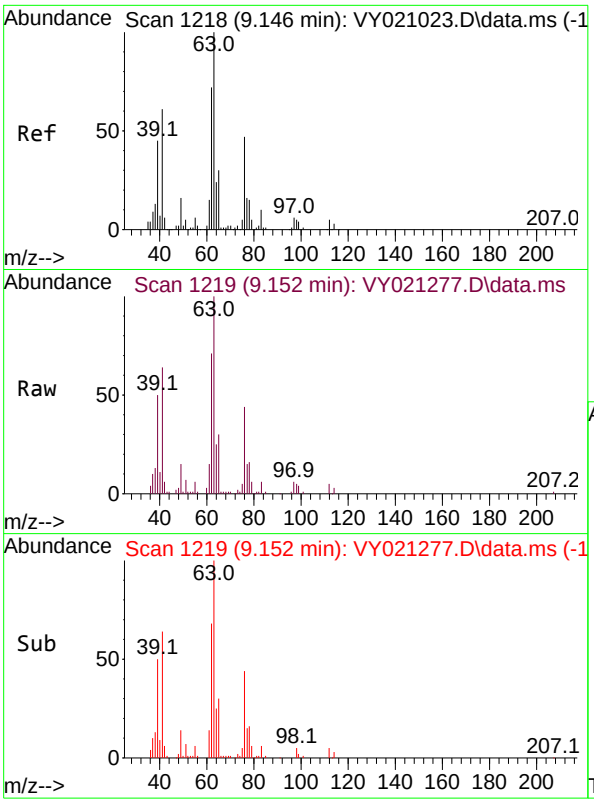




#44
Trichloroethene
Concen: 21.370 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:130 Resp: 34619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 91.8 | 0.0 | 203.8 |



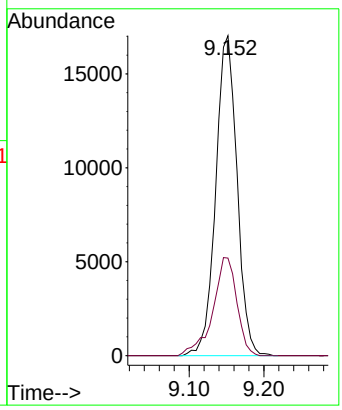


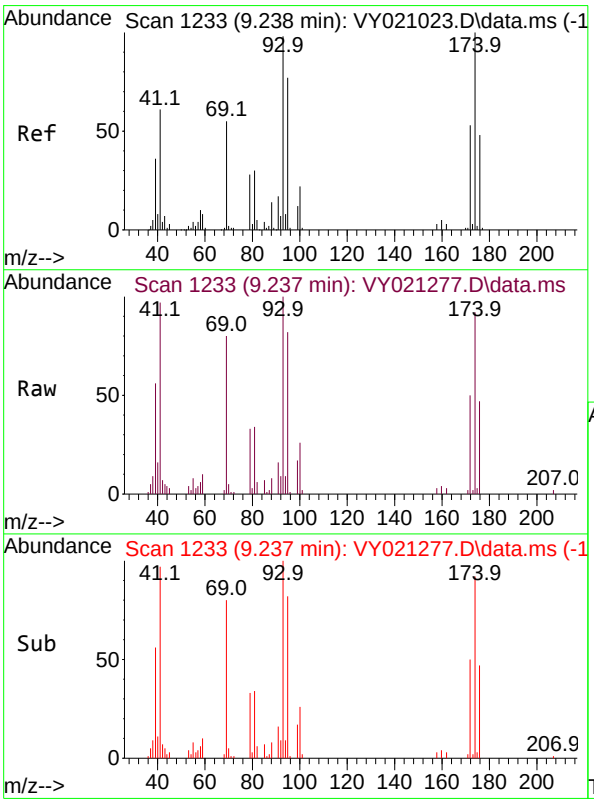

#45
1,2-Dichloropropane
Concen: 22.681 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 63 Resp: 33754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 24.6 | 36.8 |

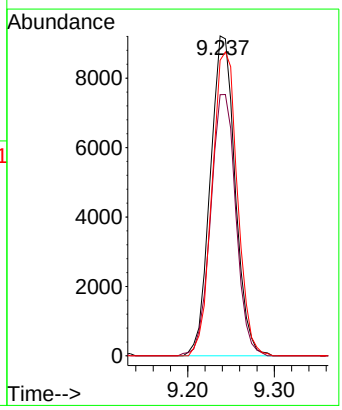


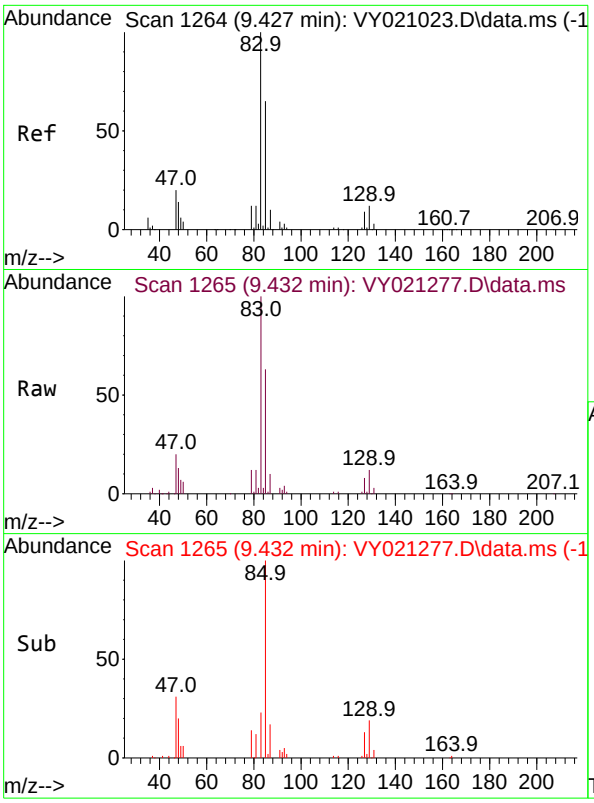




#46
Dibromomethane
Concen: 22.354 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 93 Resp: 18420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.6 | 66.6 | 99.8 |
| 174 | 96.6 | 73.8 | 110.6 |



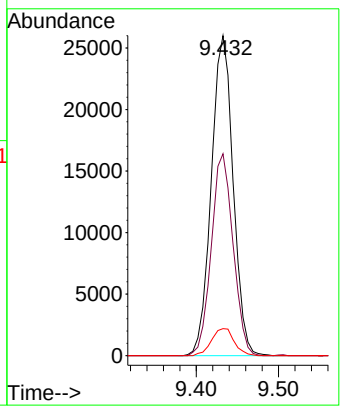


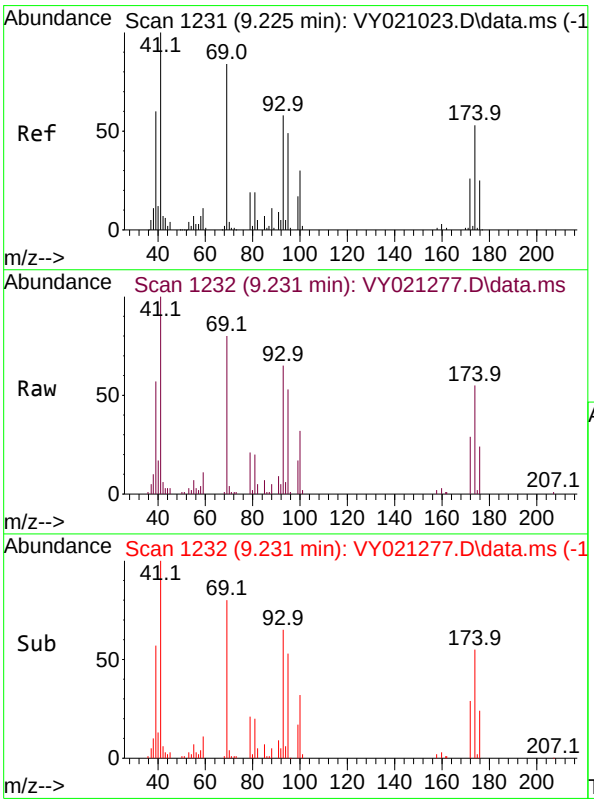

#47
Bromodichloromethane
Concen: 21.684 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 83 Resp: 47920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 53.2 | 79.8 |
| 127 | 8.4 | 6.4 | 9.6 |

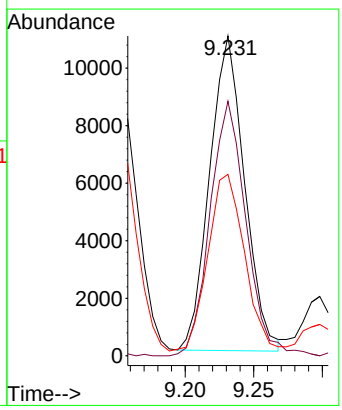


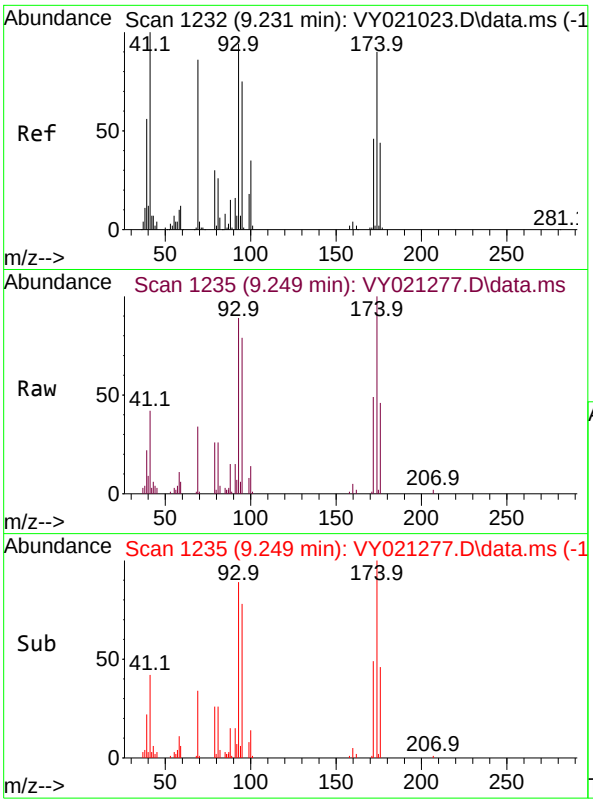




#48
Methyl methacrylate
Concen: 22.826 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 41 Resp: 19365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.6 | 72.1 | 108.1 |
| 39 | 59.2 | 42.8 | 64.2 |



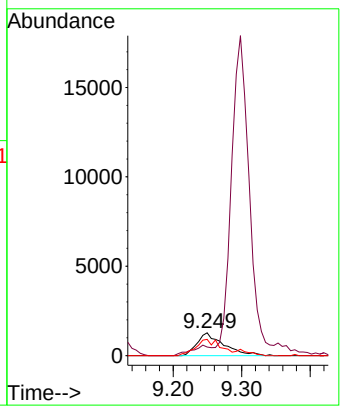


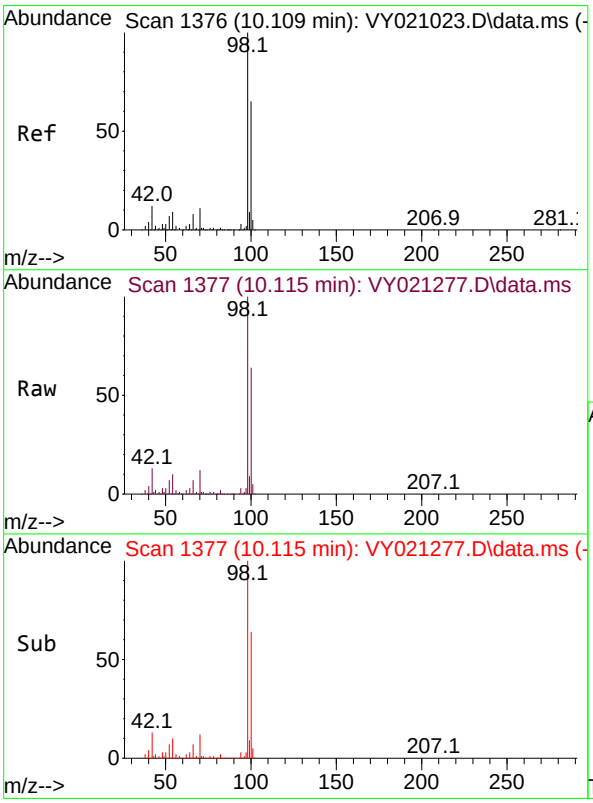

#49
1,4-Dioxane
Concen: 450.275 ug/l
RT: 9.249 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 88 Resp: 3454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 32.1 | 28.2 | 42.4 |
| 58 | 65.4 | 52.2 | 78.2 |

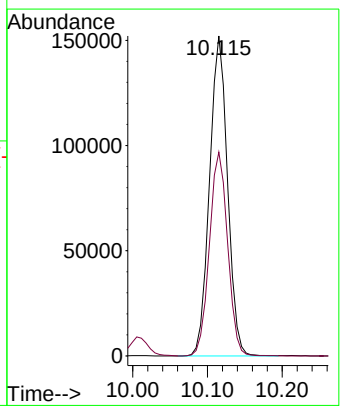


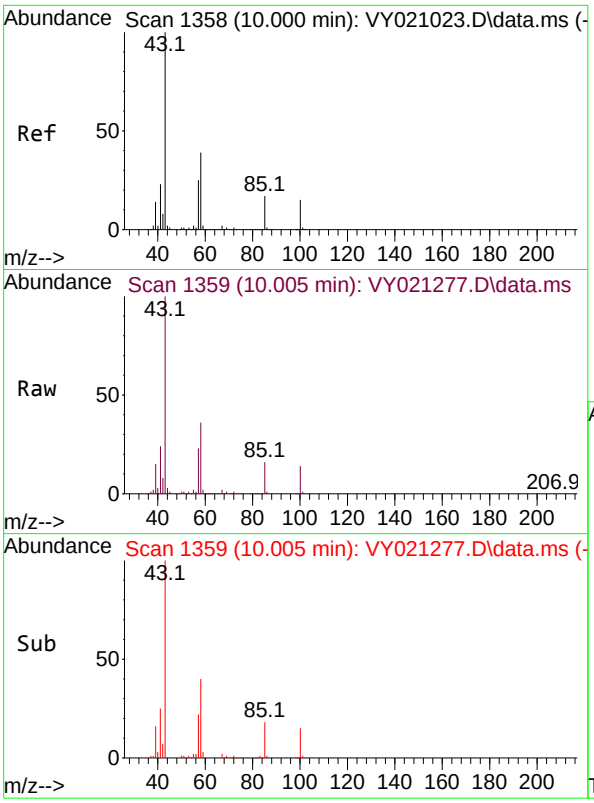




#50
Toluene-d8
Concen: 46.355 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 98 Resp: 254568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.5 | 52.3 | 78.5 |



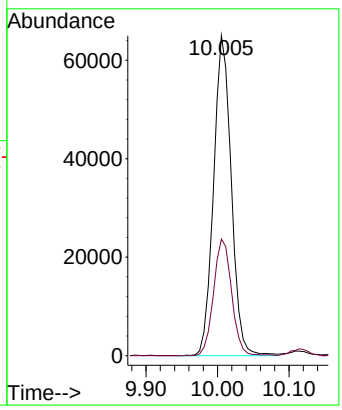


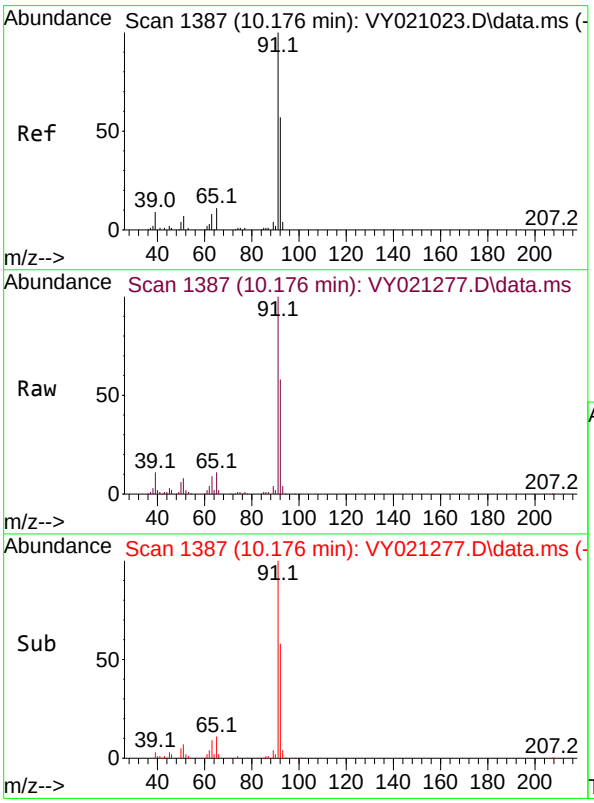

#51
4-Methyl-2-Pentanone
Concen: 119.282 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 43 Resp: 111716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 32.2 | 48.2 |

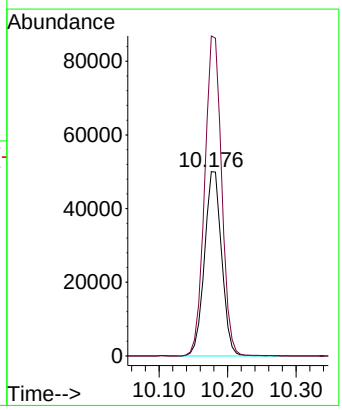


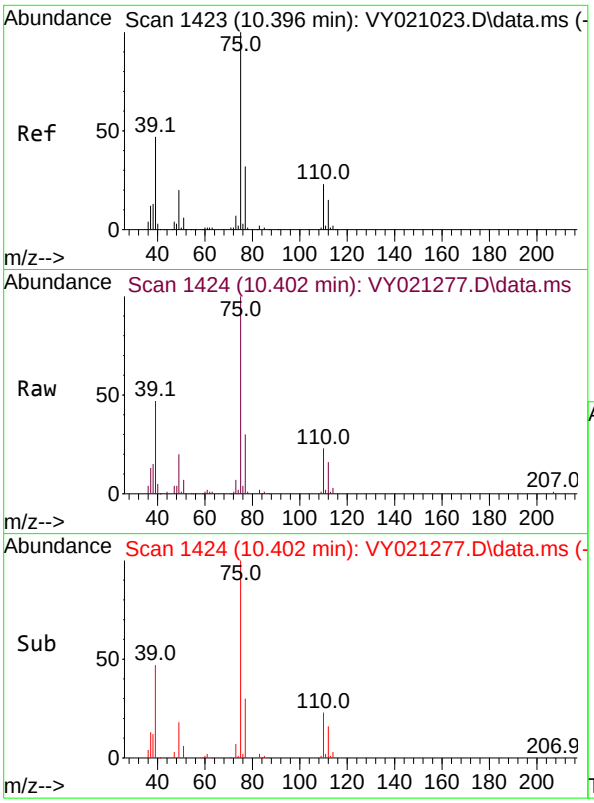




#52
Toluene
Concen: 22.059 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 92 Resp: 86849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.9 | 137.6 | 206.4 |



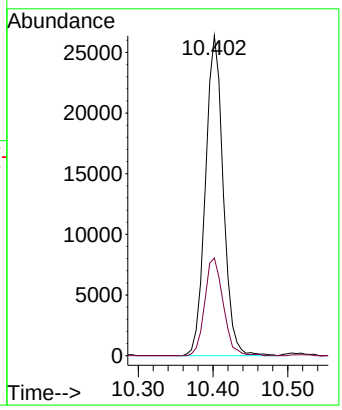


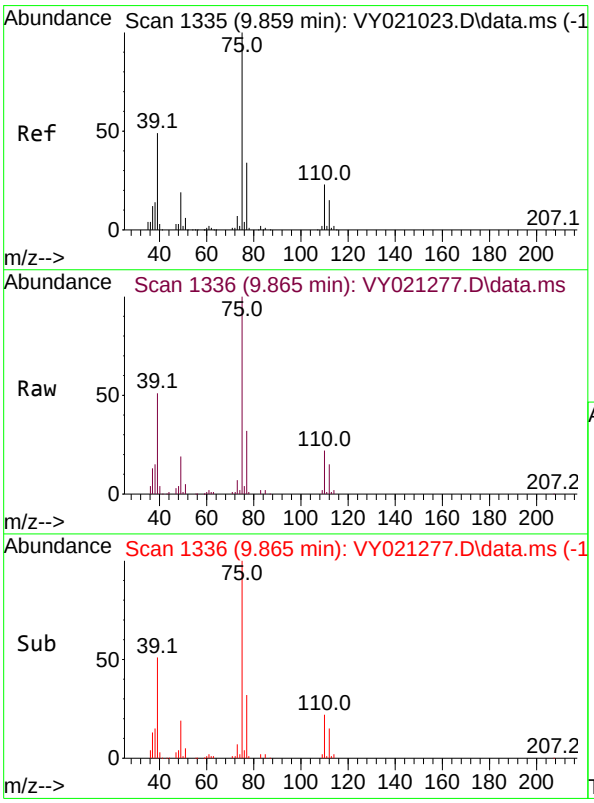

#53
t-1,3-Dichloropropene
Concen: 21.936 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 75 Resp: 43528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 24.6 | 36.8 |

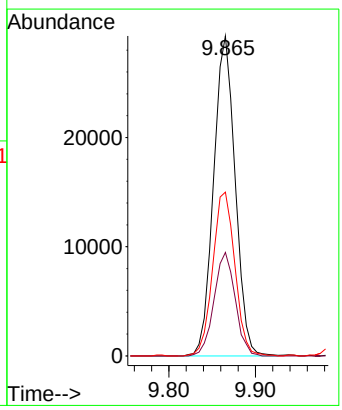


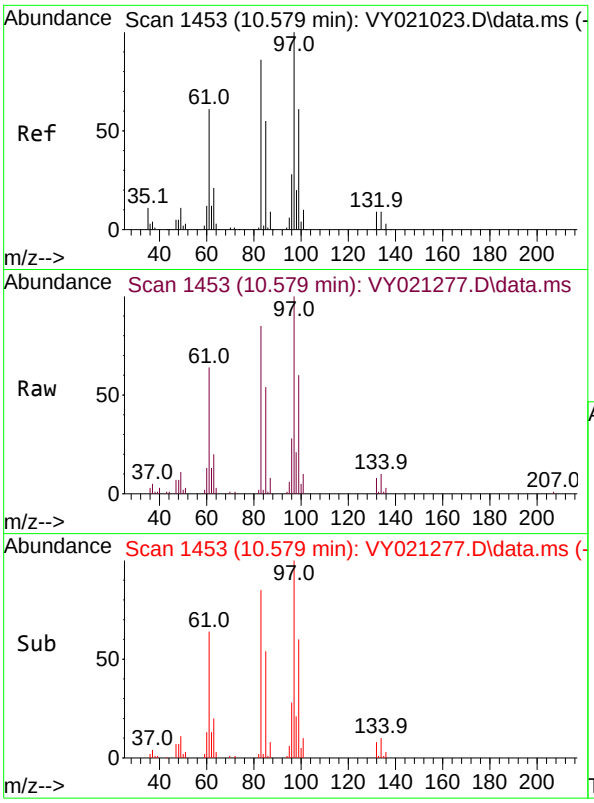




#54
cis-1,3-Dichloropropene
Concen: 21.615 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 75 Resp: 50785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 24.6 | 36.8 |
| 39 | 51.2 | 33.6 | 50.4# |



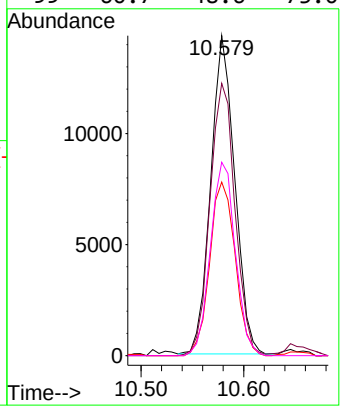


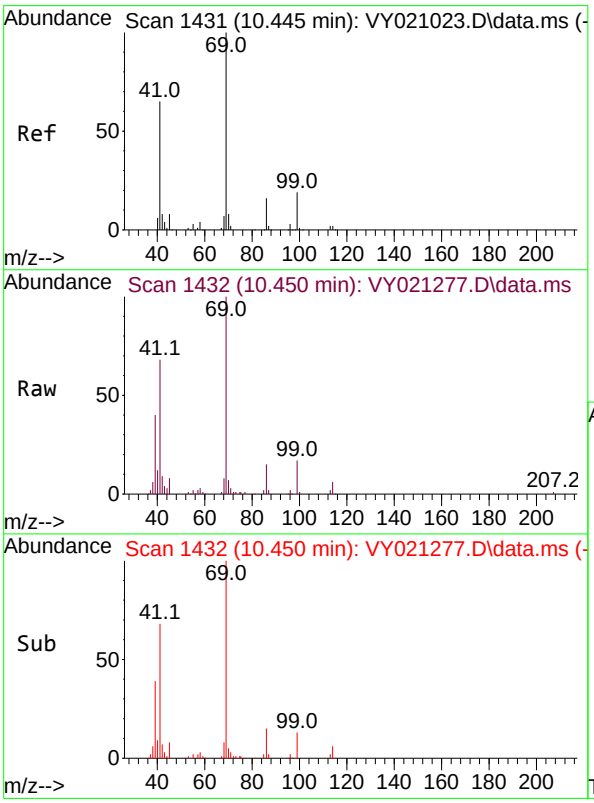

#55
1,1,2-Trichloroethane
Concen: 21.828 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 97 Resp: 23291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.5 | 69.4 | 104.2 |
| 85 | 54.5 | 43.9 | 65.9 |
| 99 | 60.7 | 48.6 | 73.0 |

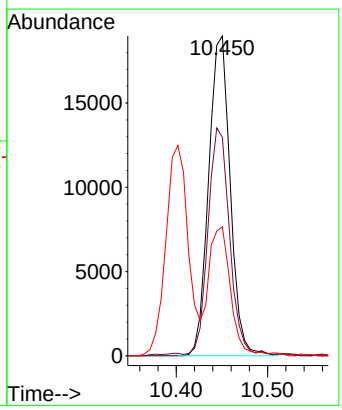


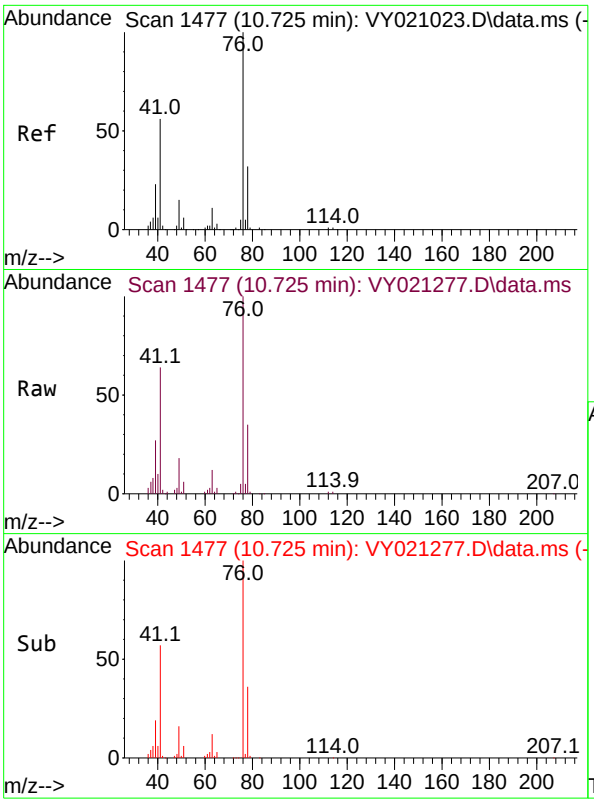




#56
Ethyl methacrylate
Concen: 21.863 ug/l
RT: 10.450 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 69 Resp: 31208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 72.5 | 49.2 | 73.8 |
| 39 | 41.0 | 26.8 | 40.2# |



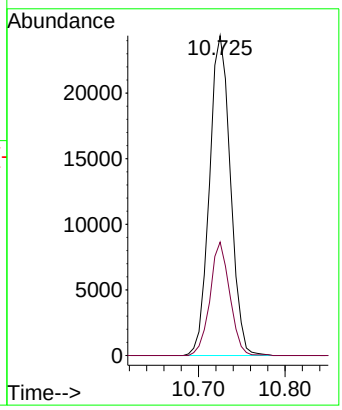


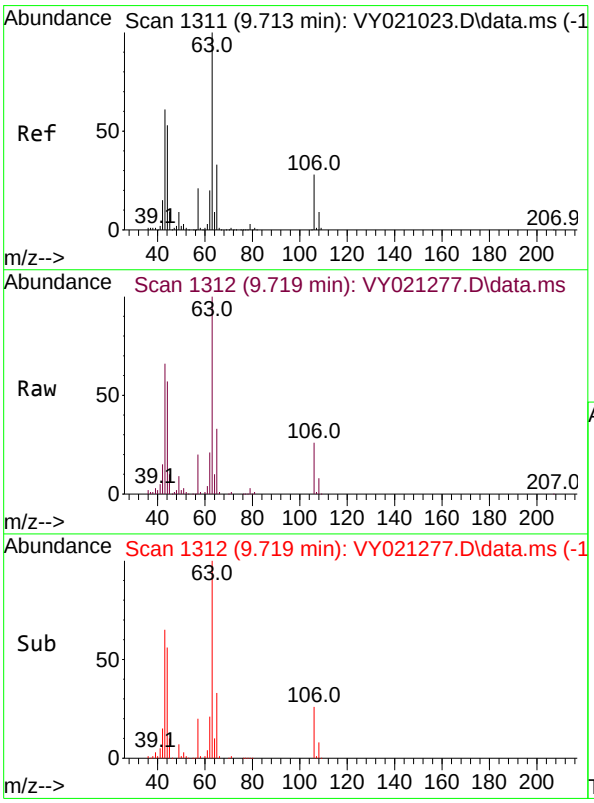

#57
1,3-Dichloropropane
Concen: 22.249 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 76 Resp: 41091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.4 | 26.1 | 39.1 |

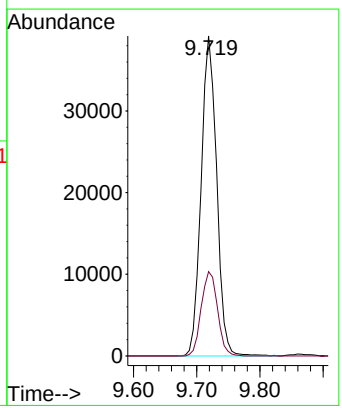


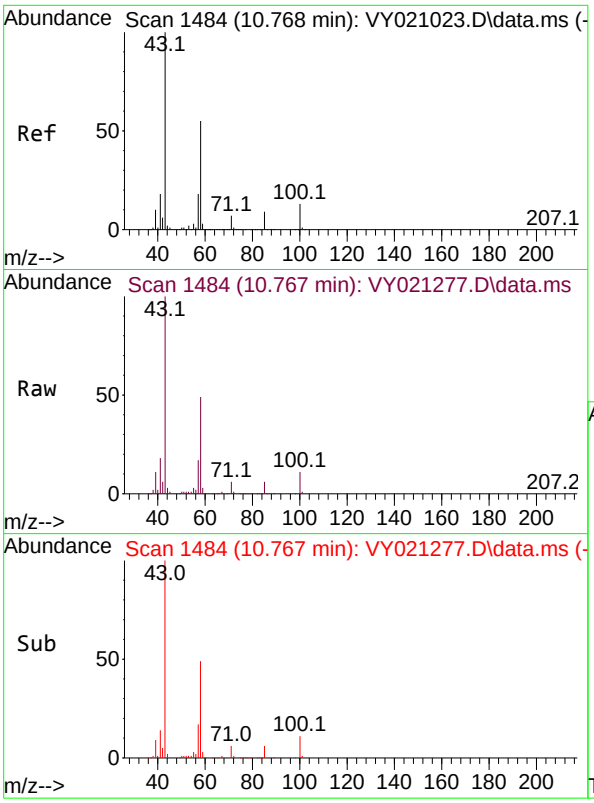




#58
2-Chloroethyl Vinyl ether
Concen: 97.833 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 63 Resp: 66439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 22.4 | 33.6 |



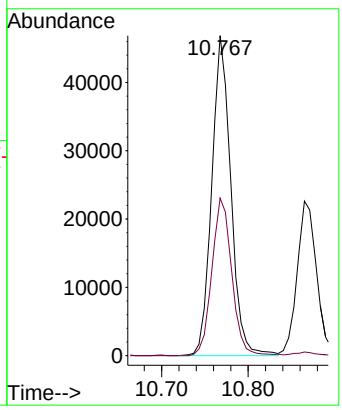


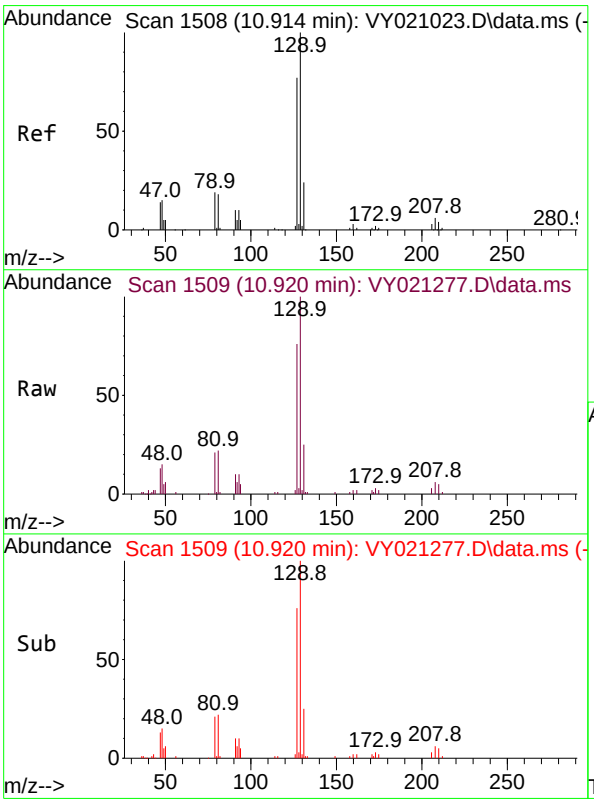

#59
2-Hexanone
Concen: 119.221 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 43 Resp: 71893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.2 | 28.1 | 84.3 |

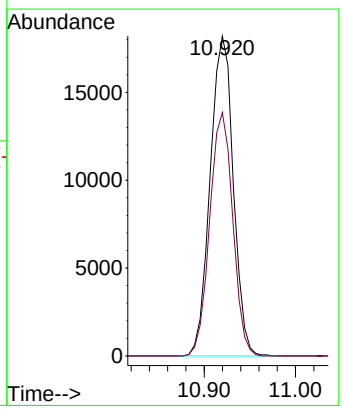


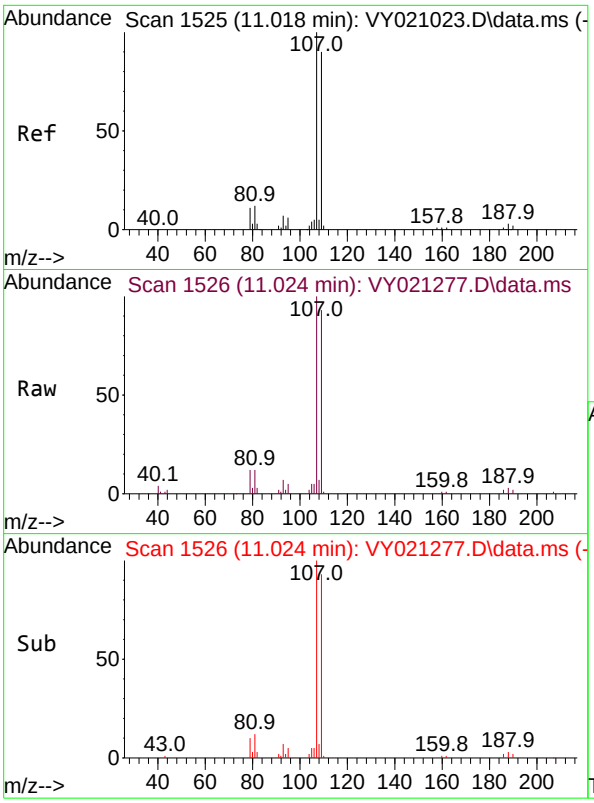




#60
Dibromochloromethane
Concen: 21.347 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:129 Resp: 31988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.7 | 39.2 | 117.6 |



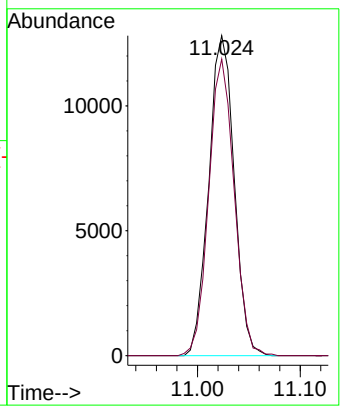


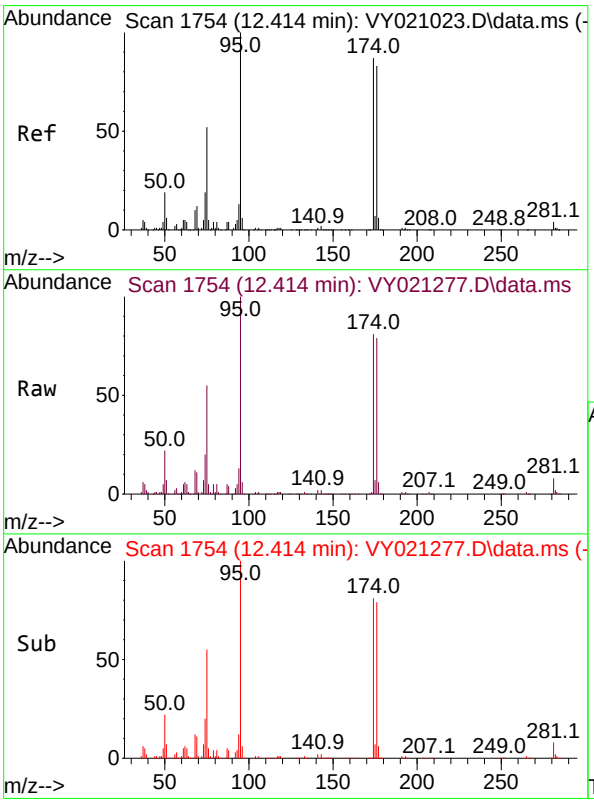

#61
1,2-Dibromoethane
Concen: 22.073 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:107 Resp: 22061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.4 | 75.4 | 113.2 |

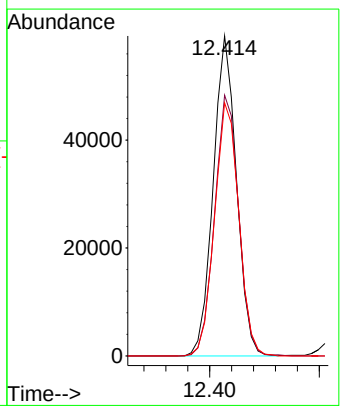


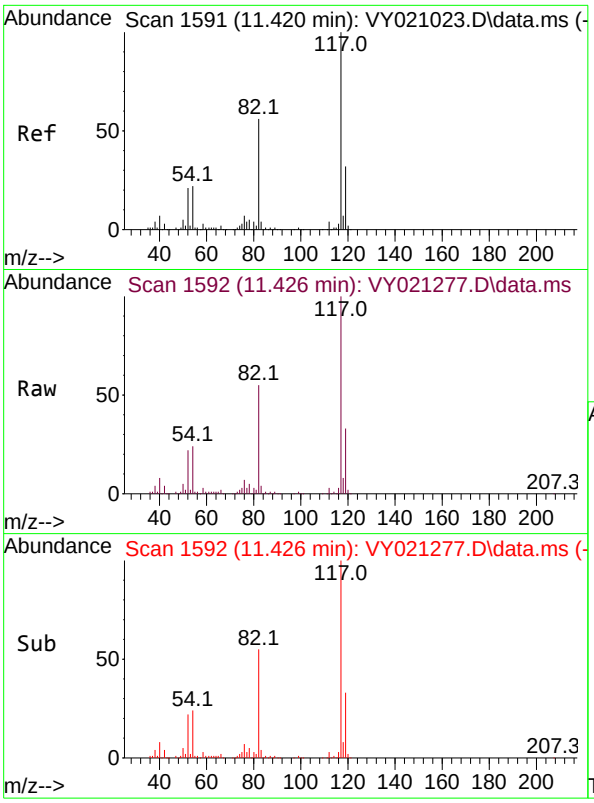




#62
4-Bromofluorobenzene
Concen: 48.693 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 95 Resp: 87361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.9 | 0.0 | 160.0 |
| 176 | 82.4 | 0.0 | 151.8 |



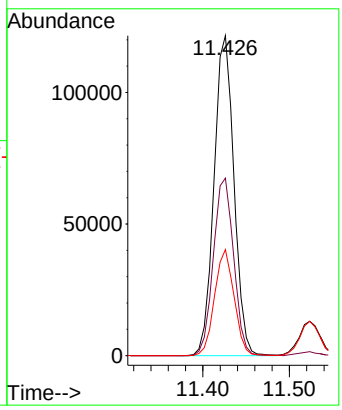


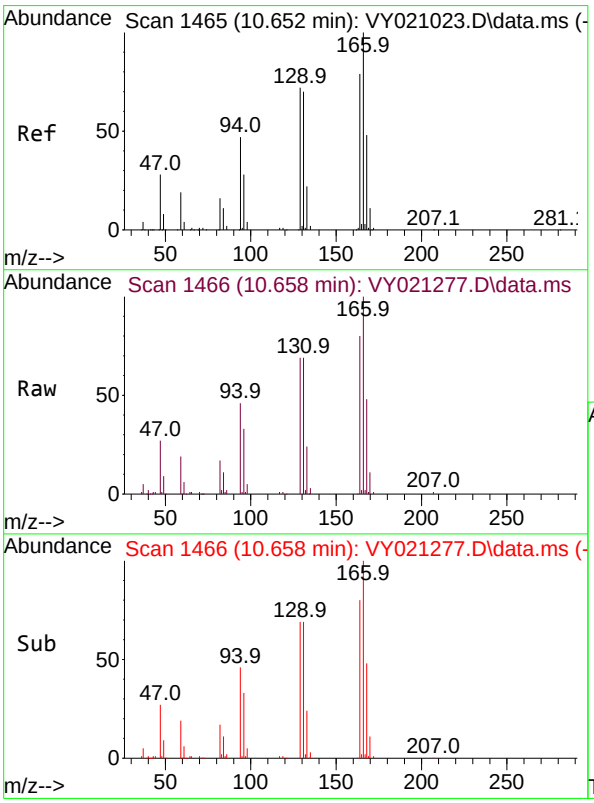

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:117 Resp: 194706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.5 | 43.8 | 65.8 |
| 119 | 33.1 | 26.5 | 39.7 |

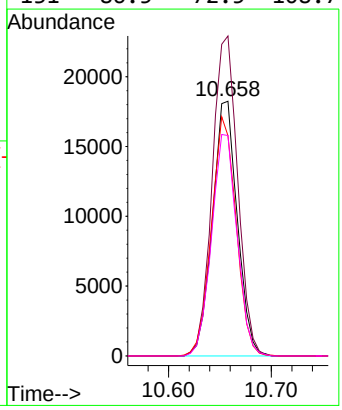


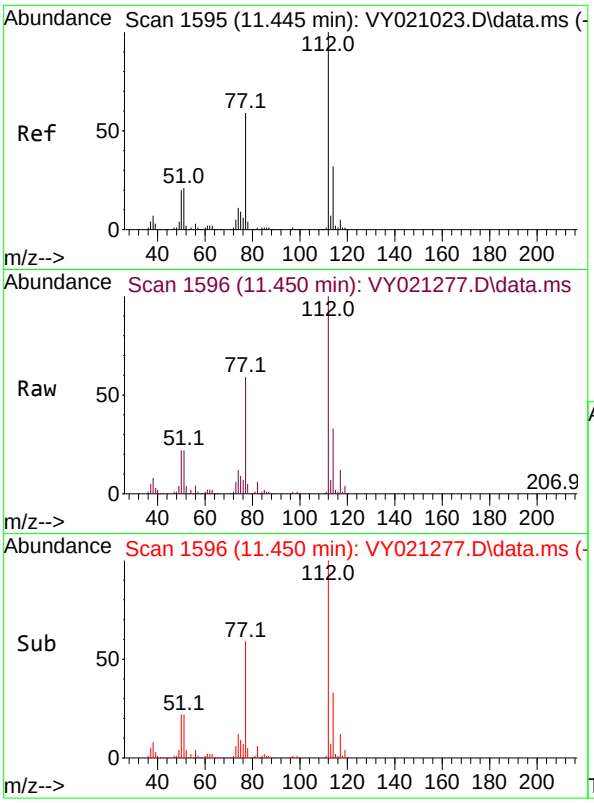




#64
Tetrachloroethene
Concen: 21.248 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:164 Resp: 30712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.6 | 98.8 | 148.2 |
| 129 | 86.5 | 78.9 | 118.3 |
| 131 | 86.5 | 72.5 | 108.7 |



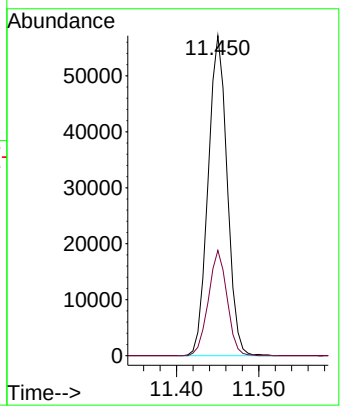


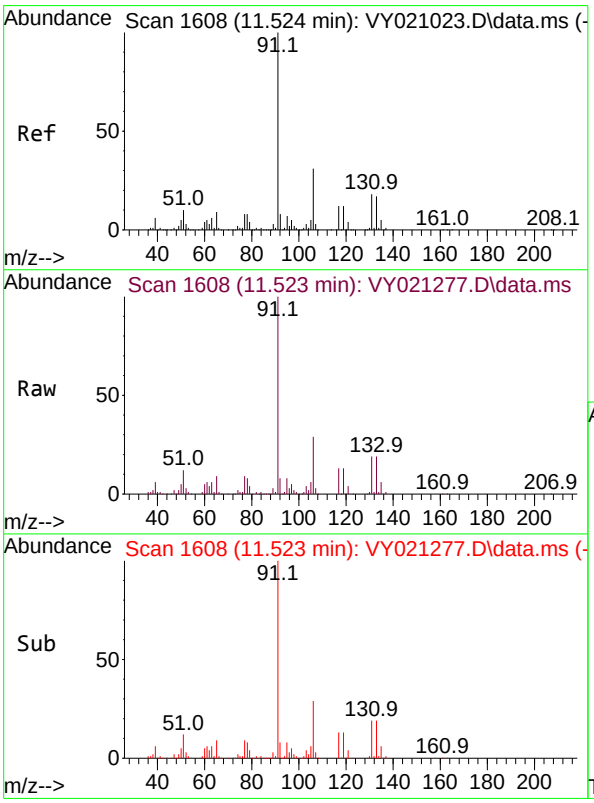

#65
Chlorobenzene
Concen: 21.200 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:112 Resp: 91911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.9 | 26.1 | 39.1 |

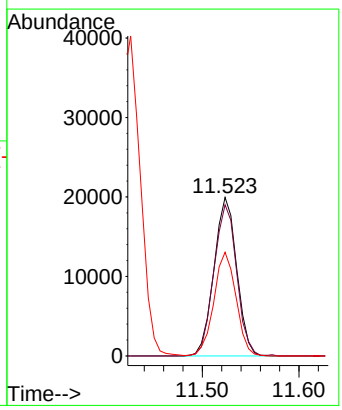


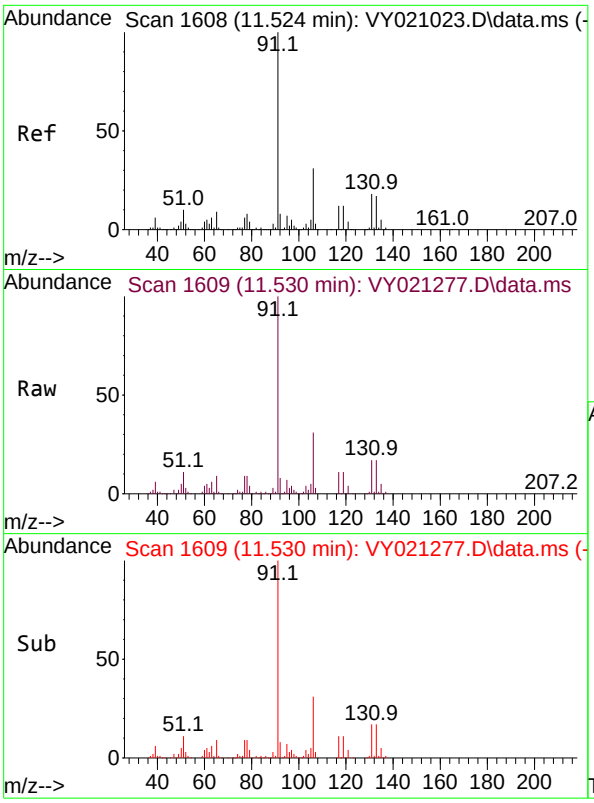




#66
1,1,1,2-Tetrachloroethane
Concen: 21.186 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:131 Resp: 32642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.7 | 47.0 | 141.0 |
| 119 | 63.7 | 33.3 | 99.9 |



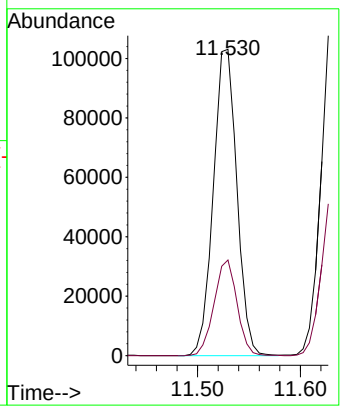


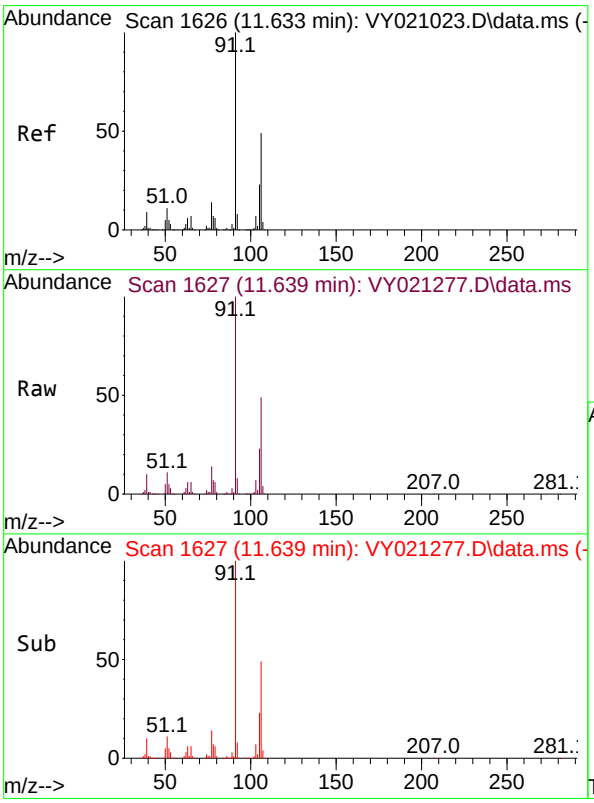

#67
Ethyl Benzene
Concen: 21.438 ug/l
RT: 11.530 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 91 Resp: 164390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.2 | 25.0 | 37.4 |

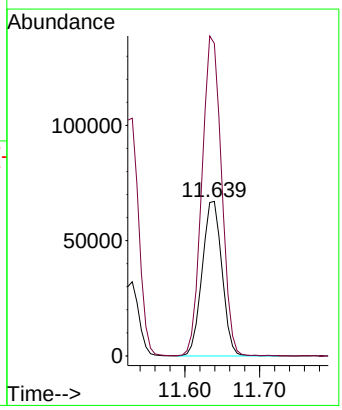


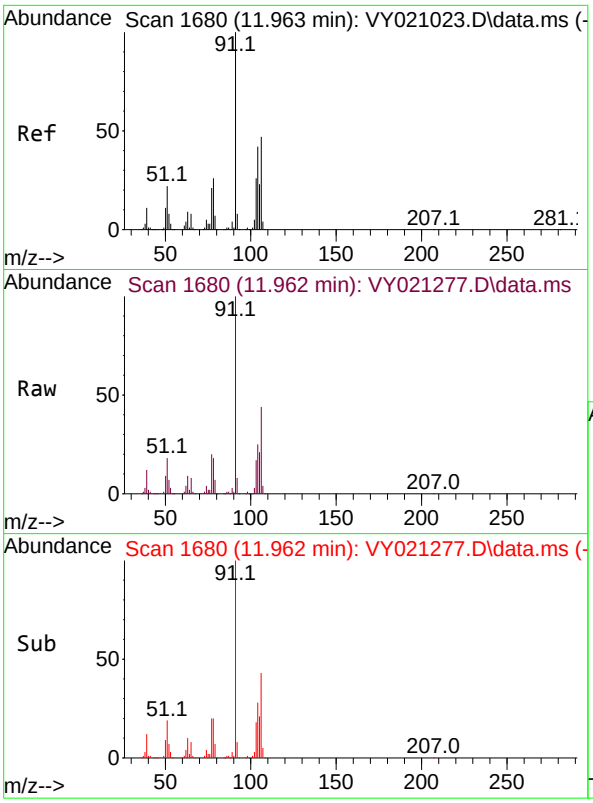




#68
m/p-Xylenes
Concen: 43.015 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:106 Resp: 123398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.8 | 160.7 | 241.1 |



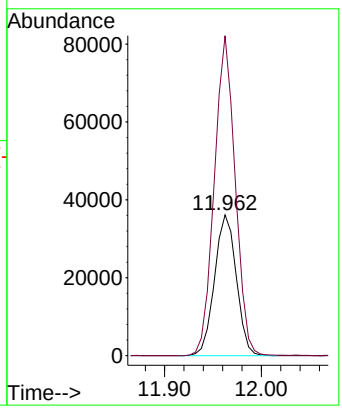


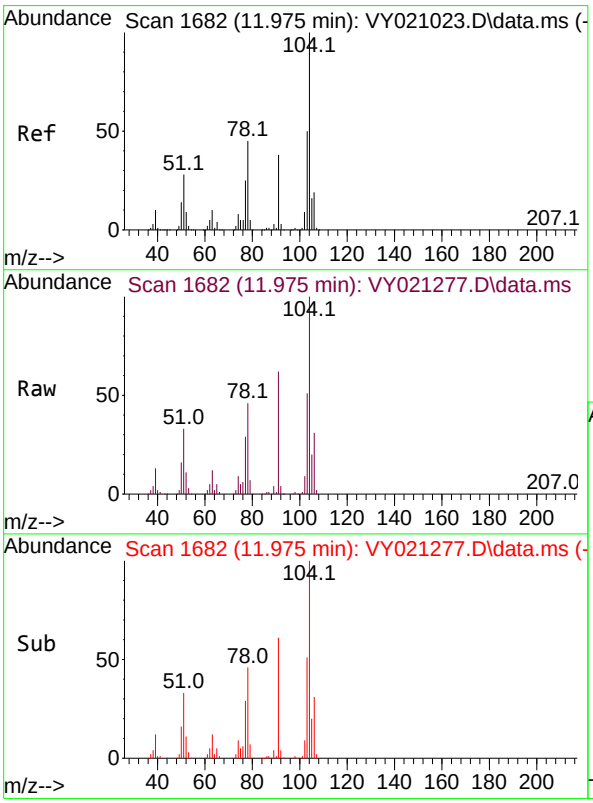

#69
o-Xylene
Concen: 21.175 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:106 Resp: 56634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.4 | 106.5 | 319.5 |

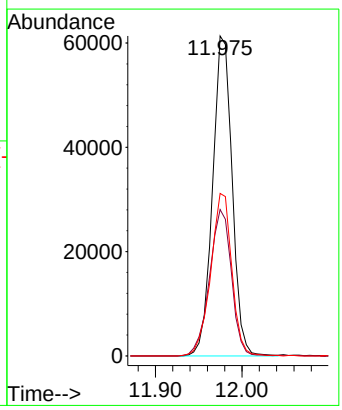


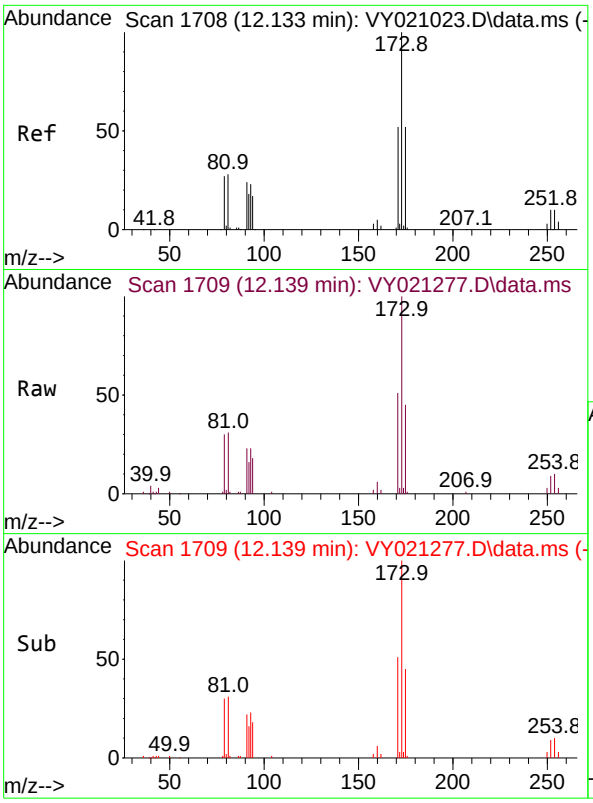




#70
Styrene
Concen: 21.667 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:104 Resp: 96585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.2 | 39.2 | 58.8 |
| 103 | 54.8 | 43.8 | 65.6 |



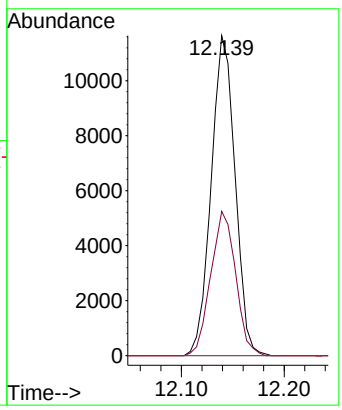


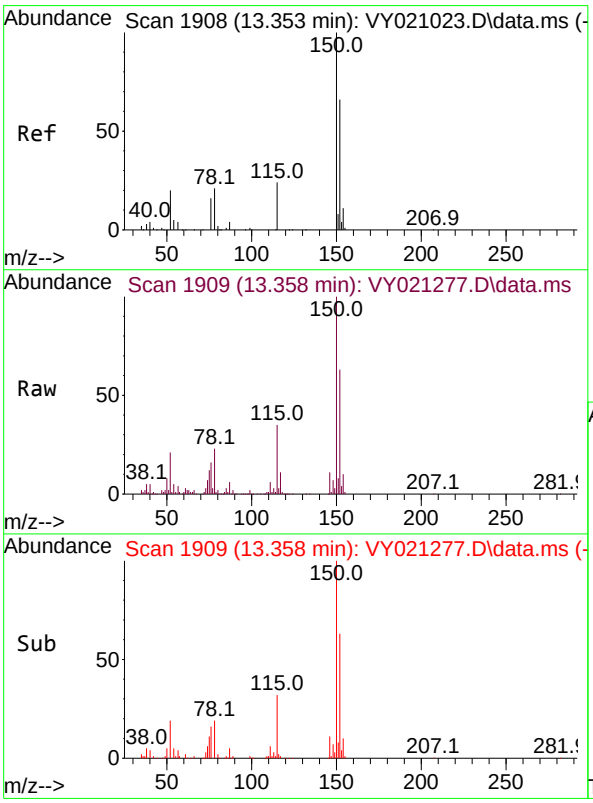

#71
Bromoform
Concen: 21.969 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:173 Resp: 18840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.0 | 23.5 | 70.6 |
| 254 | 0.0 | 0.0 | 0.0 |

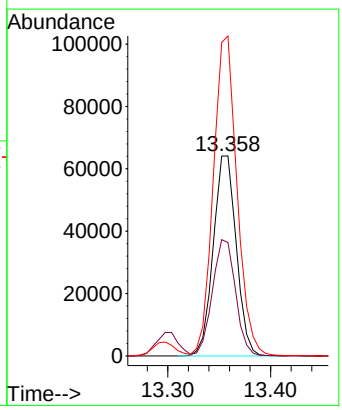


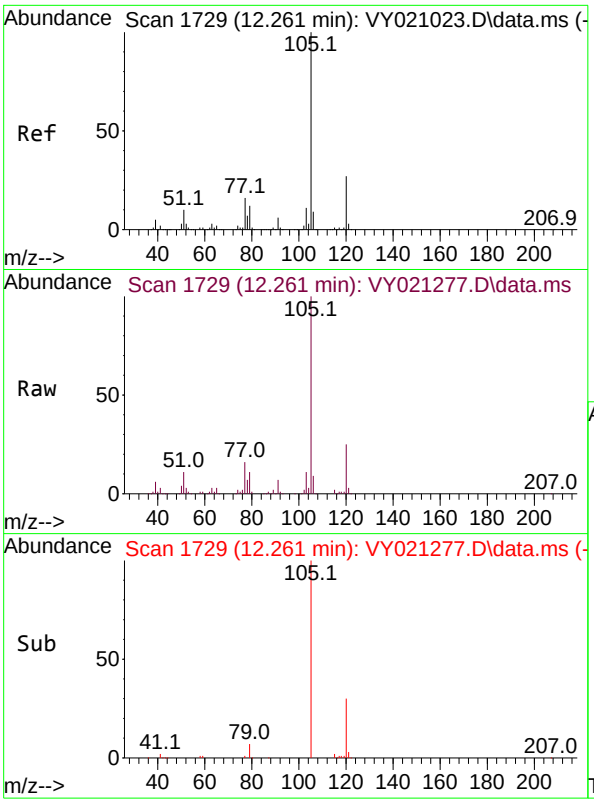




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.358 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:152 Resp: 99790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.5 | 30.0 | 90.0 |
| 150 | 164.7 | 0.0 | 344.6 |



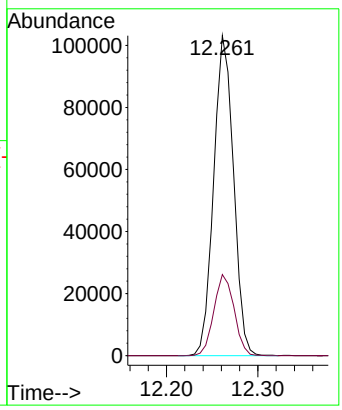


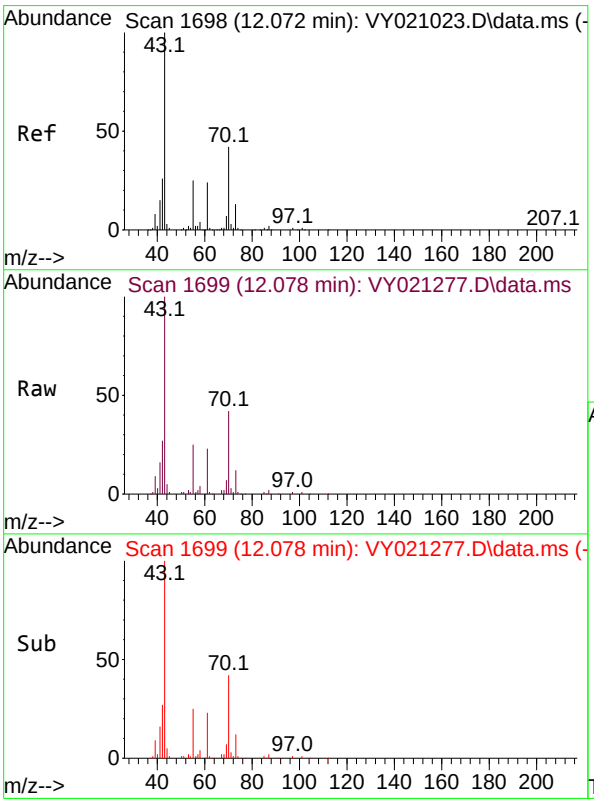

#73
Isopropylbenzene
Concen: 19.951 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:105 Resp: 155520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.0 | 39.0 |

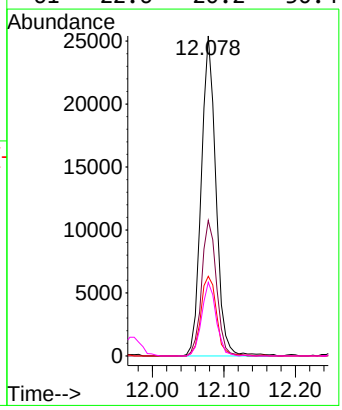


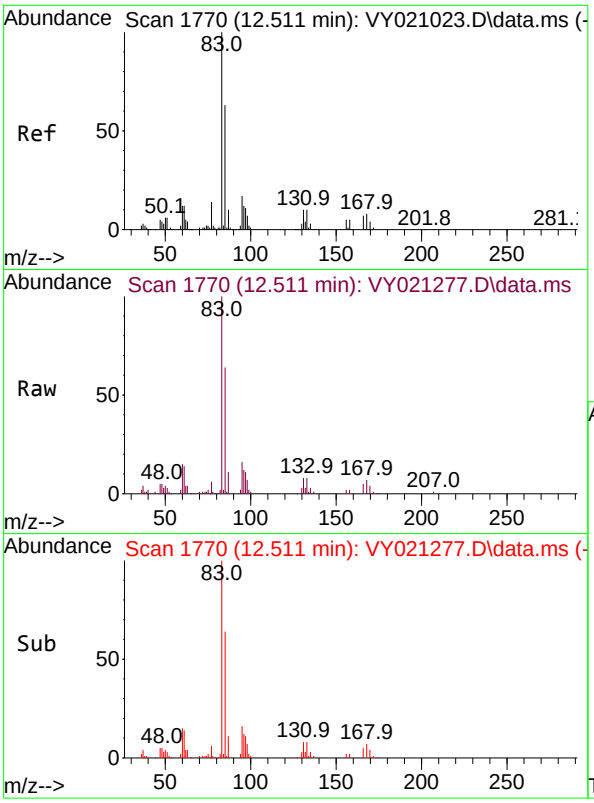




#74
N-amyl acetate
Concen: 21.227 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 43 Resp: 36176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.6 | 36.6 | 55.0 |
| 55 | 26.4 | 22.2 | 33.4 |
| 61 | 22.6 | 20.2 | 30.4 |



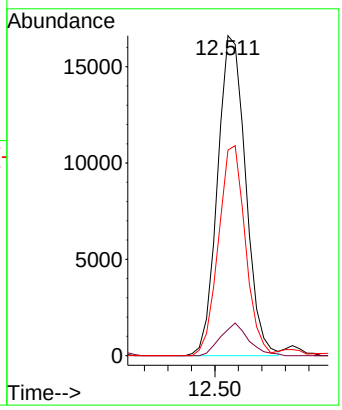


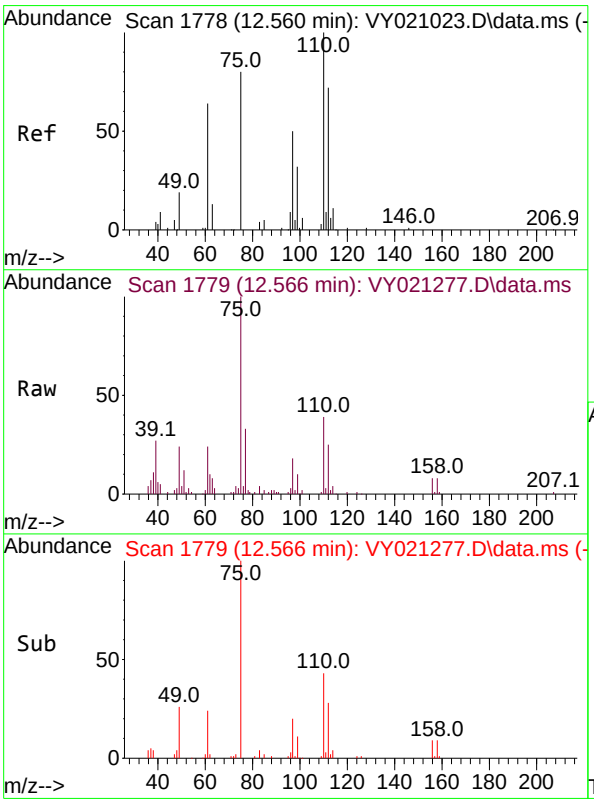

#75
1,1,2,2-Tetrachloroethane
Concen: 21.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 83 Resp: 27554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 4.9 | 14.6 |
| 85 | 63.2 | 32.6 | 98.0 |

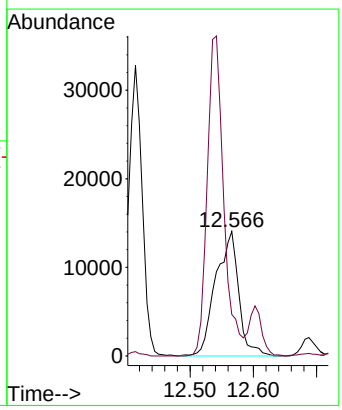


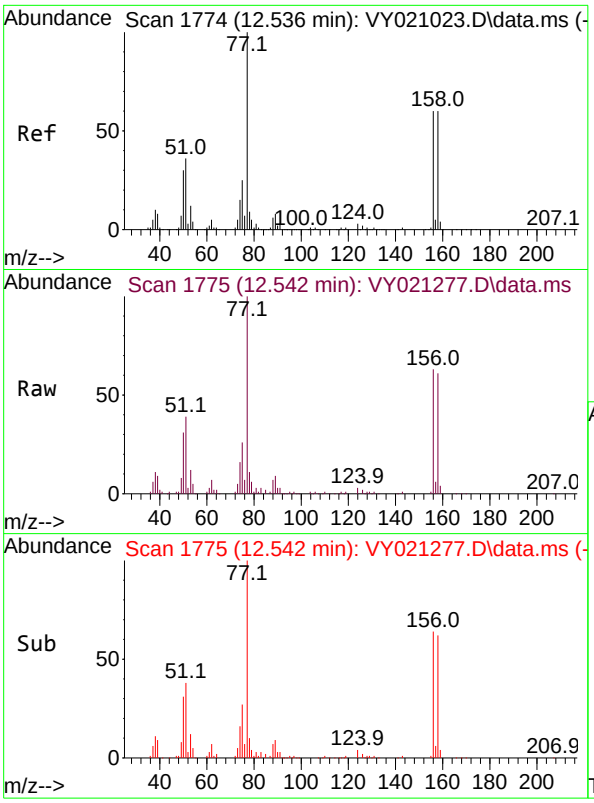




#76
1,2,3-Trichloropropane
Concen: 39.244 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 75 Resp: 35524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



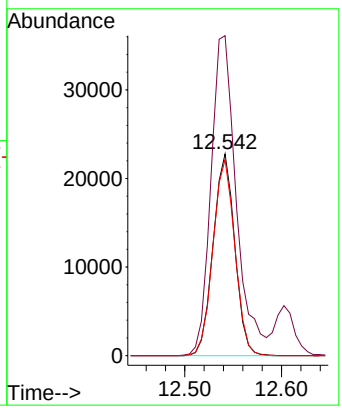


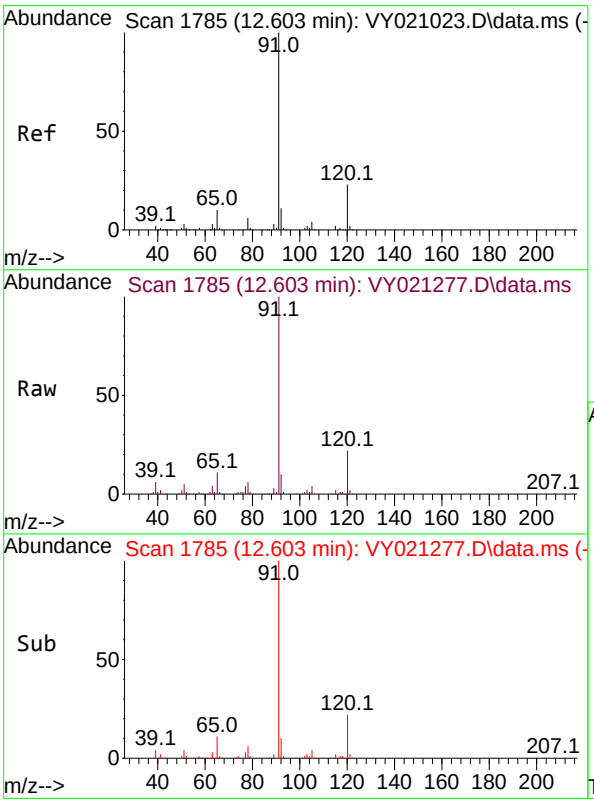

#77
Bromobenzene
Concen: 19.653 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:156 Resp: 35353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.1 | 97.3 | 291.8 |
| 158 | 98.6 | 48.4 | 145.0 |

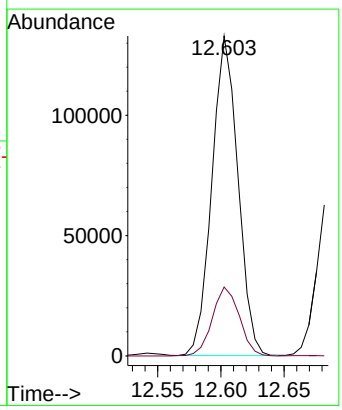


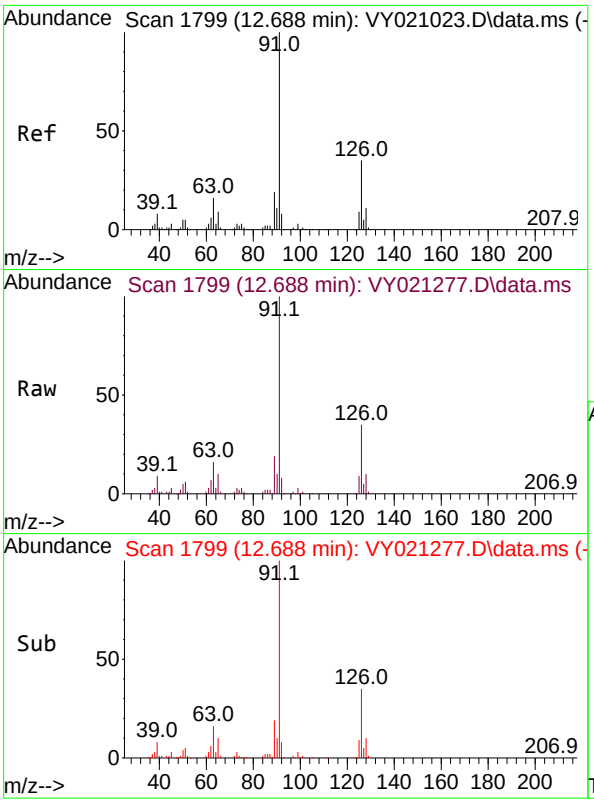




#78
n-propylbenzene
Concen: 20.542 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 91 Resp: 190748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.0 | 33.0 |



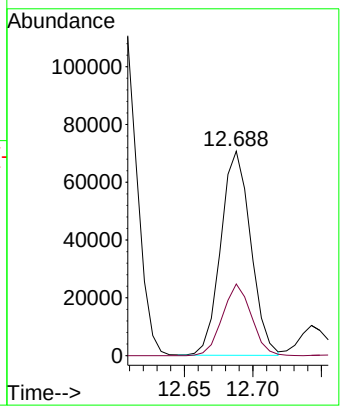


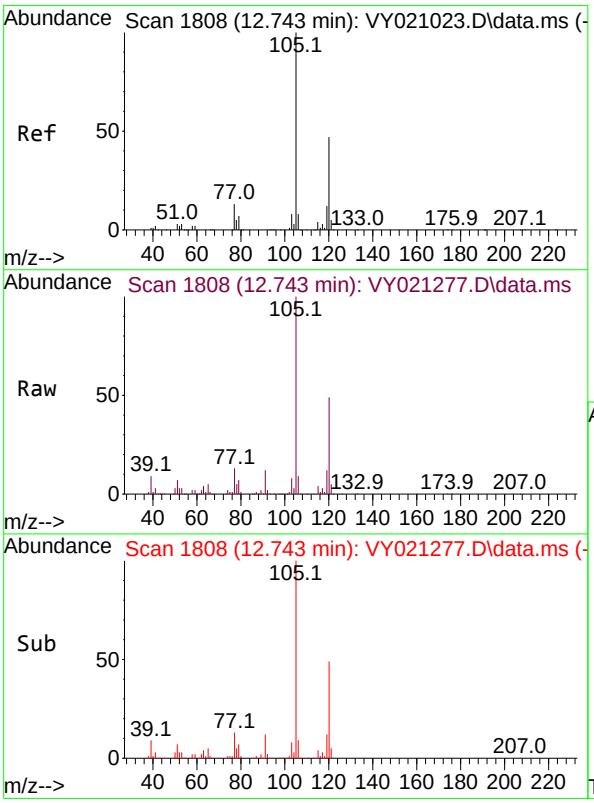

#79
2-Chlorotoluene
Concen: 20.232 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 91 Resp: 107600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 17.0 | 51.0 |

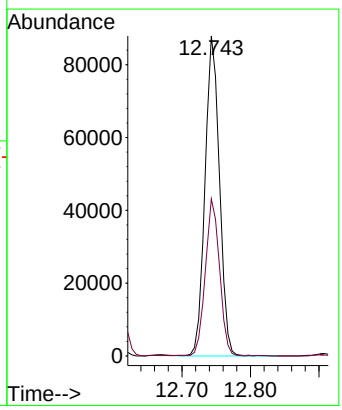


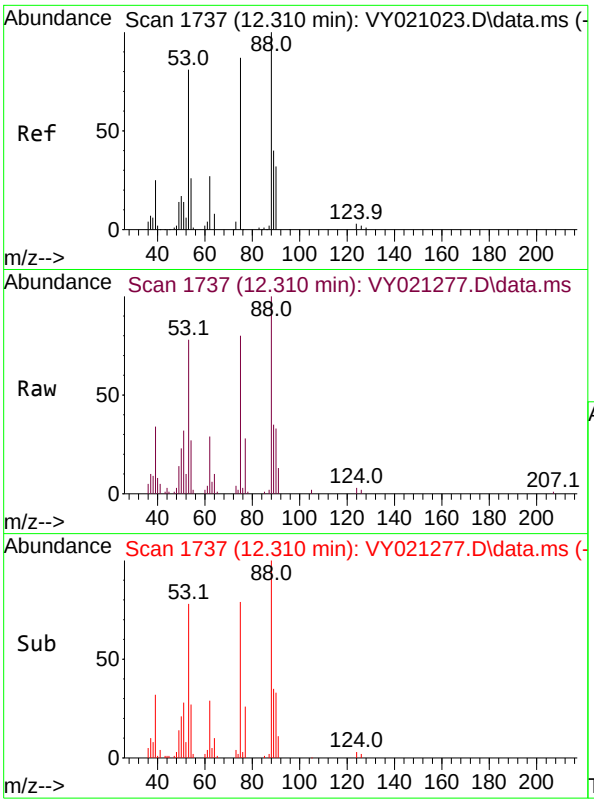




#80
1,3,5-Trimethylbenzene
Concen: 20.268 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:105 Resp: 128095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.3 | 72.8 |



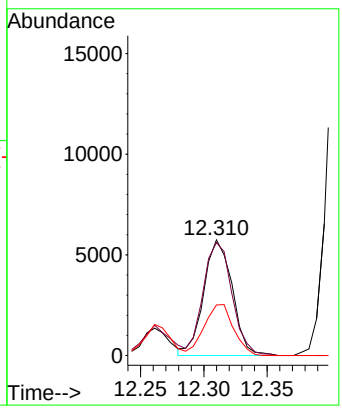


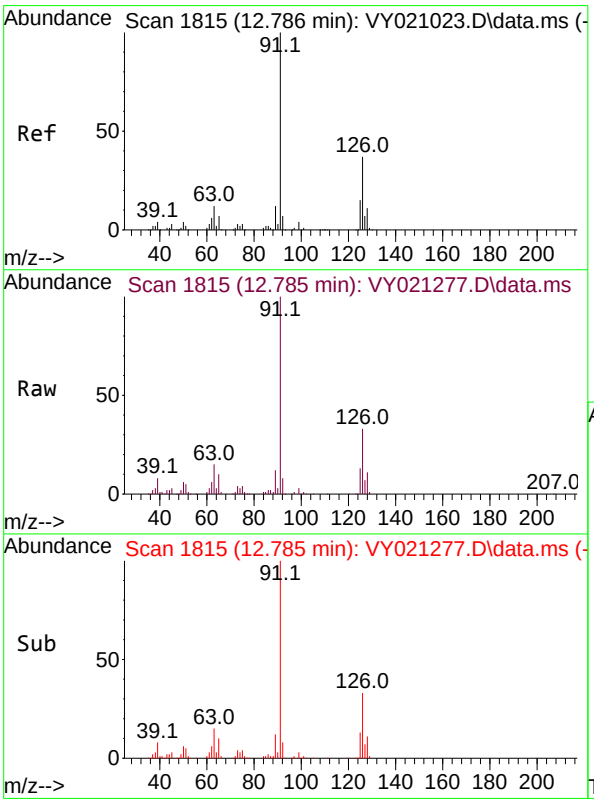

#81
trans-1,4-Dichloro-2-butene
Concen: 20.400 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 75 Resp: 9050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.6 | 74.0 | 111.0 |
| 89 | 45.3 | 36.5 | 54.7 |

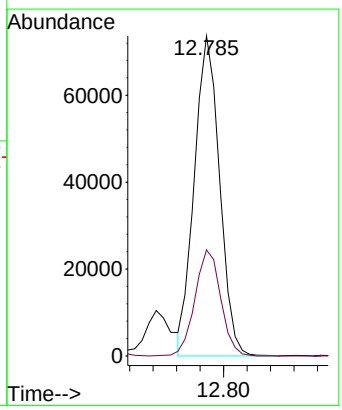


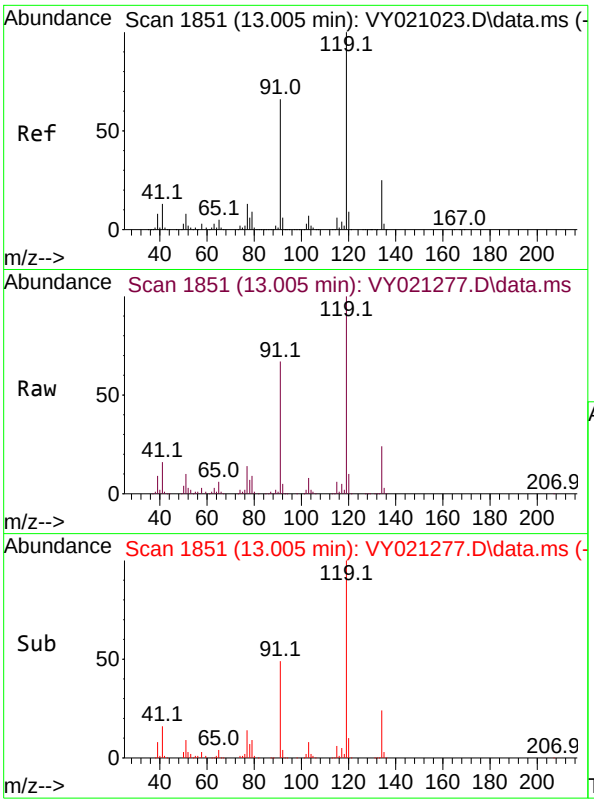




#82
4-Chlorotoluene
Concen: 20.264 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 91 Resp: 109802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 17.1 | 51.2 |



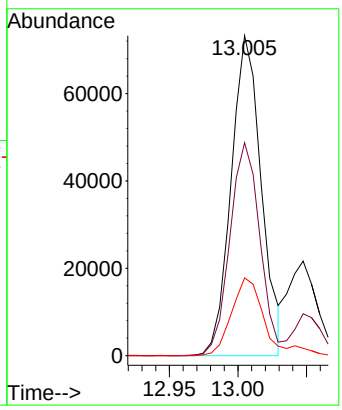


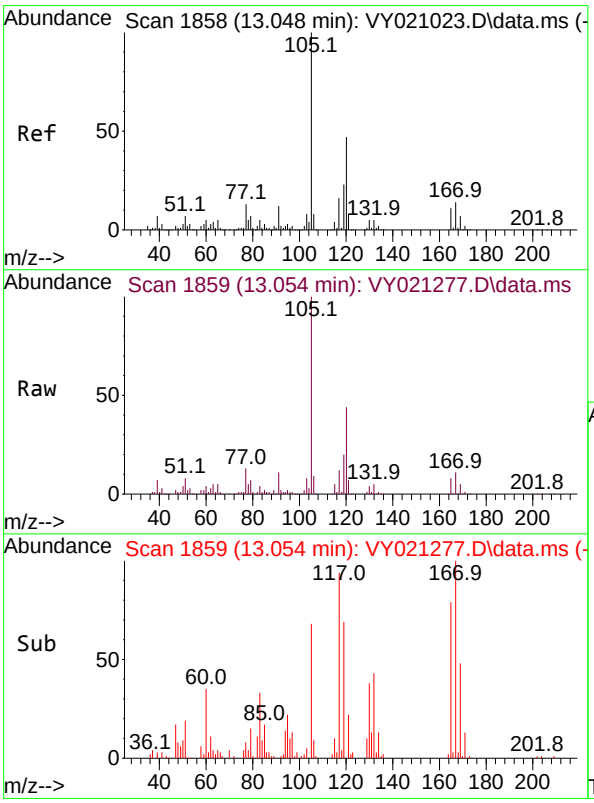

#83
tert-Butylbenzene
Concen: 19.511 ug/l
RT: 13.005 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:119 Resp: 112082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.1 | 31.5 | 94.5 |
| 134 | 26.8 | 13.1 | 39.3 |

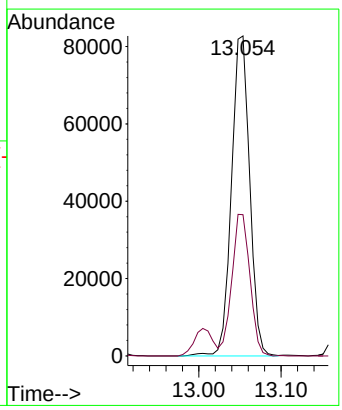


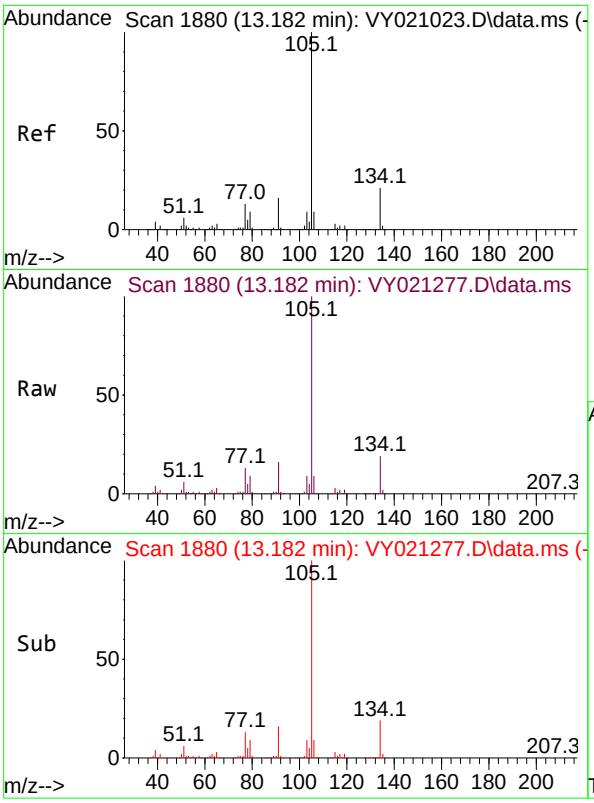




#84
1,2,4-Trimethylbenzene
Concen: 20.551 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:105 Resp: 126991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.3 |



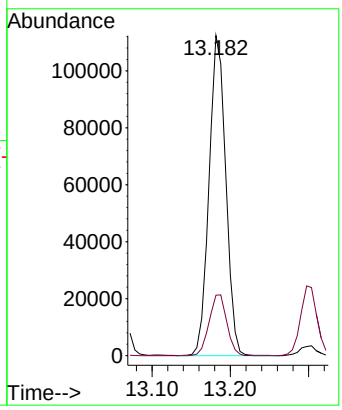


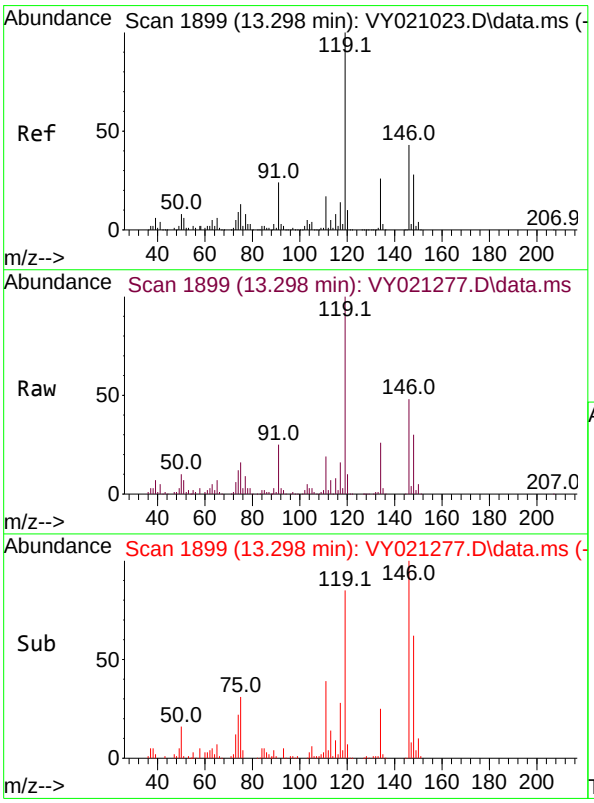

#85
sec-Butylbenzene
Concen: 20.216 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:105 Resp: 167172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.7 | 28.9 |

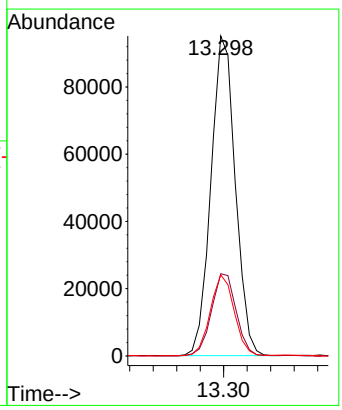


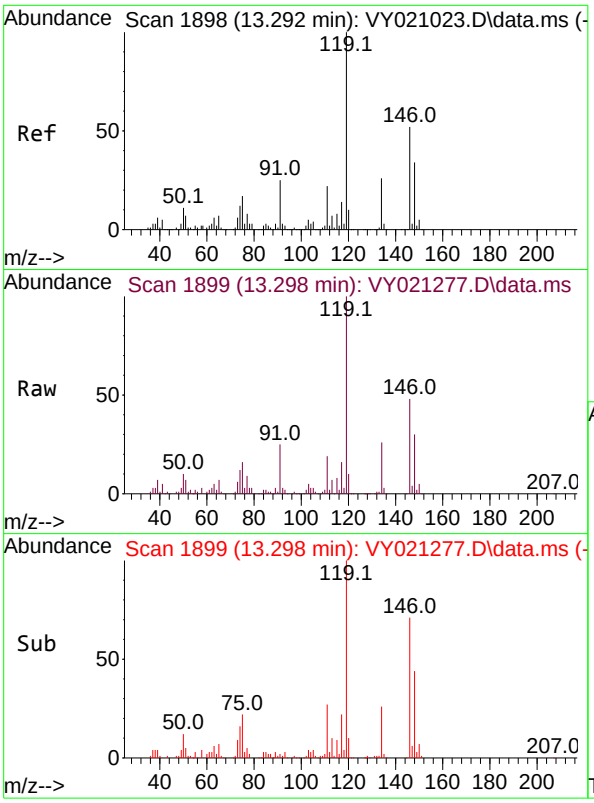




#86
p-Isopropyltoluene
Concen: 19.952 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:119 Resp: 137051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 13.1 | 39.1 |
| 91 | 25.0 | 11.7 | 35.0 |



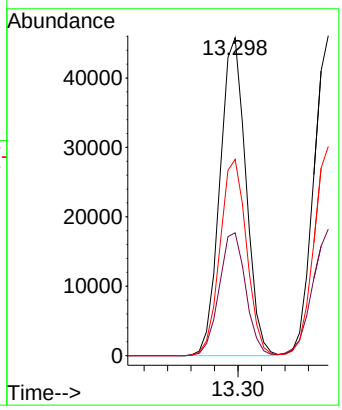


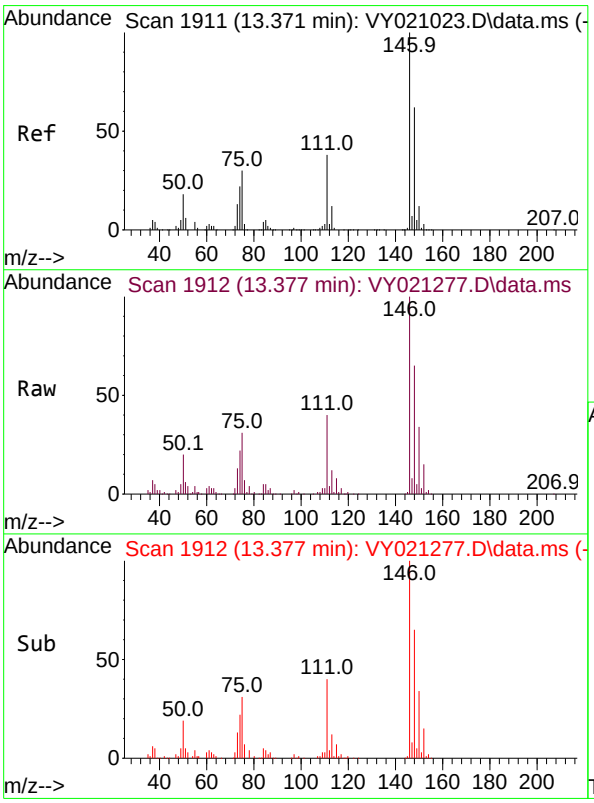

#87
1,3-Dichlorobenzene
Concen: 20.259 ug/l
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:146 Resp: 70365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.5 | 20.2 | 60.5 |
| 148 | 63.2 | 31.9 | 95.9 |

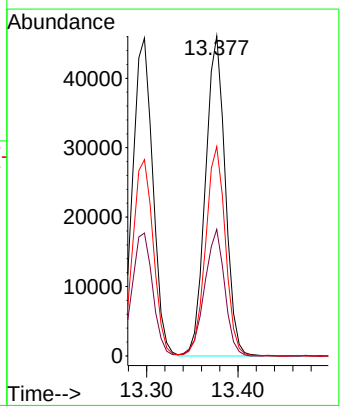


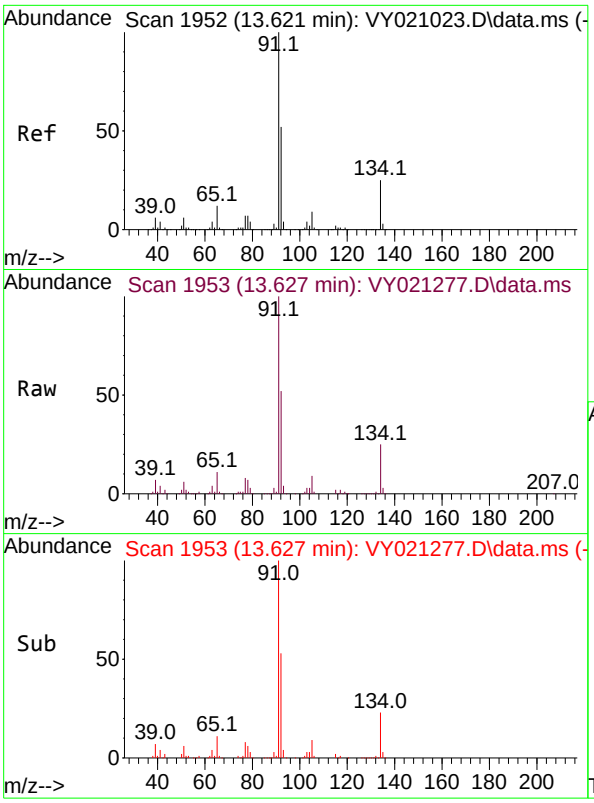




#88
1,4-Dichlorobenzene
Concen: 20.261 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:146 Resp: 69289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 19.3 | 57.9 |
| 148 | 65.3 | 31.6 | 94.7 |



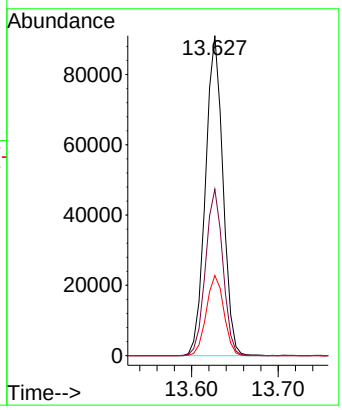


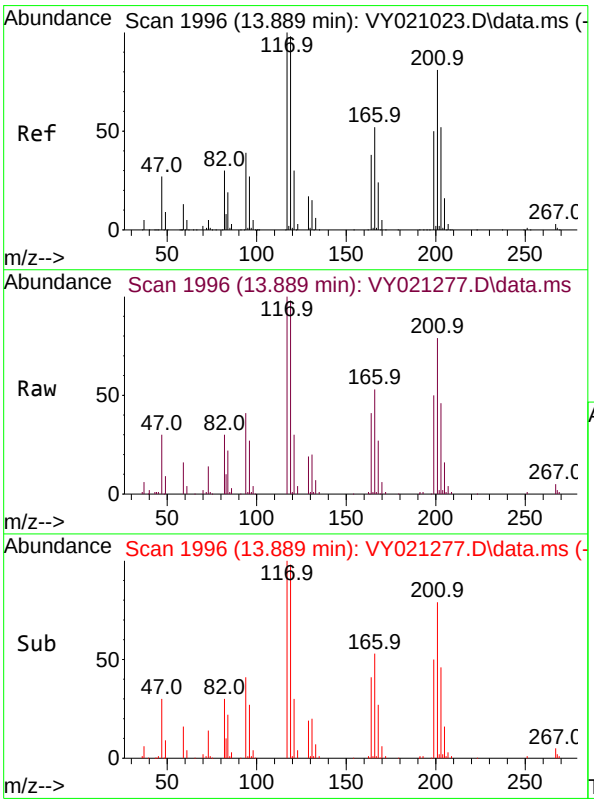

#89
n-Butylbenzene
Concen: 20.348 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion: 91 Resp: 127507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.8 | 26.4 | 79.2 |
| 134 | 25.2 | 12.3 | 36.8 |

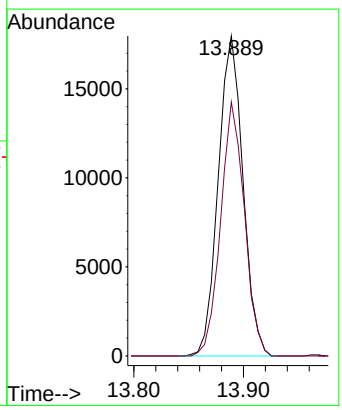


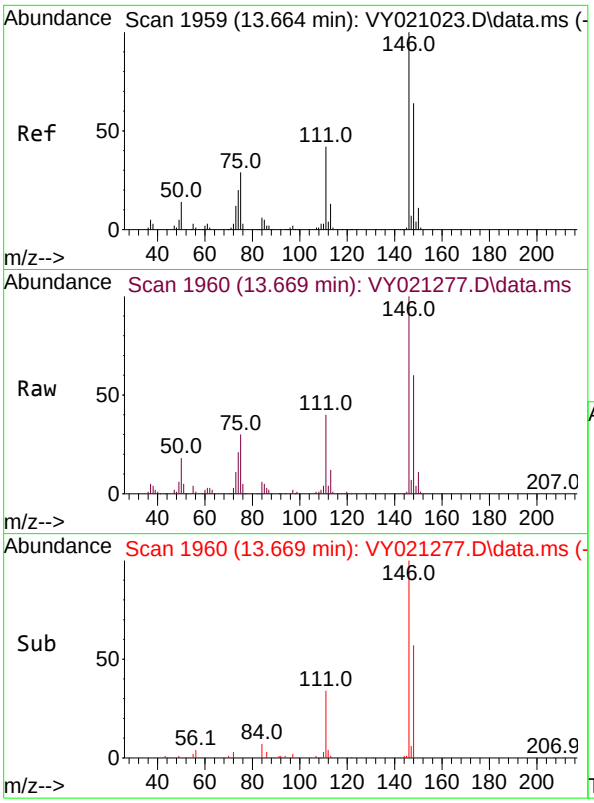




#90
Hexachloroethane
Concen: 19.622 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:117 Resp: 28118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.4 | 33.4 | 100.1 |



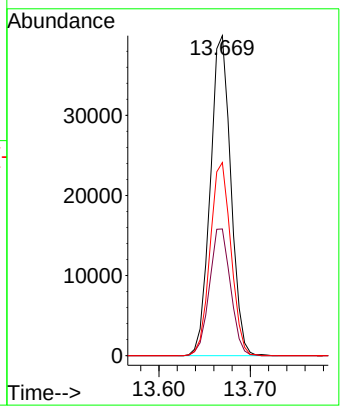


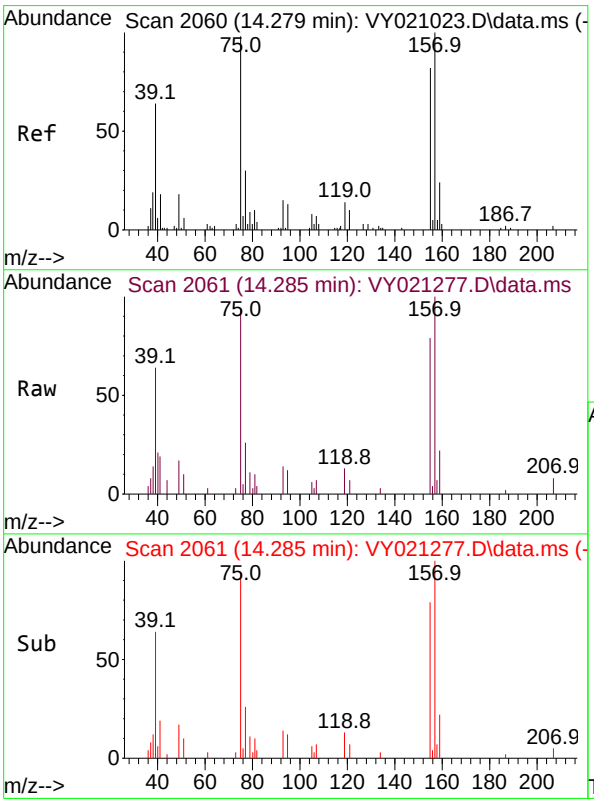

#91
1,2-Dichlorobenzene
Concen: 20.681 ug/l
RT: 13.669 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:146 Resp: 62345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.5 | 61.6 |
| 148 | 61.3 | 31.4 | 94.3 |

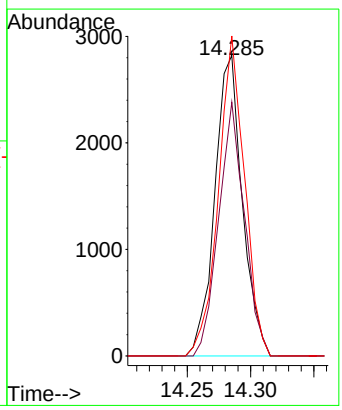


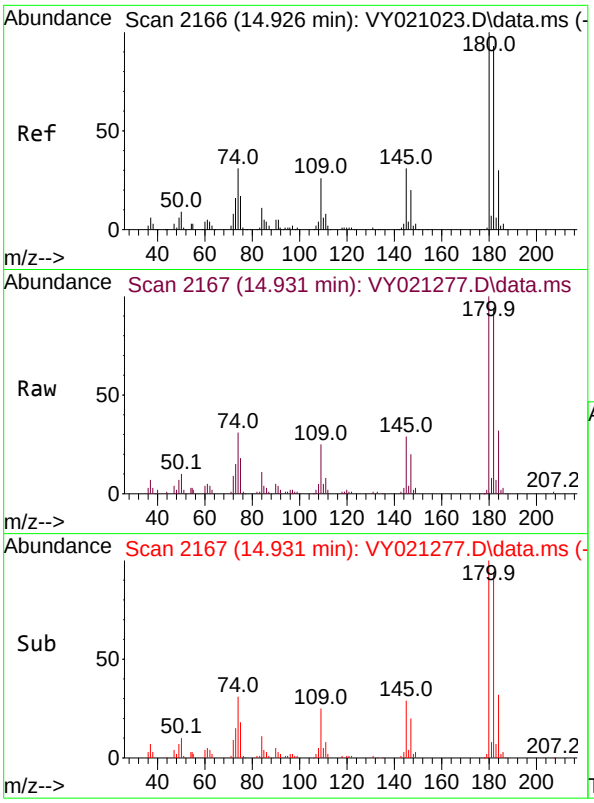




#92
1,2-Dibromo-3-Chloropropane
Concen: 22.077 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion: 75 Resp: 4277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.1 | 42.1 | 126.3 |
| 157 | 100.5 | 55.8 | 167.4 |



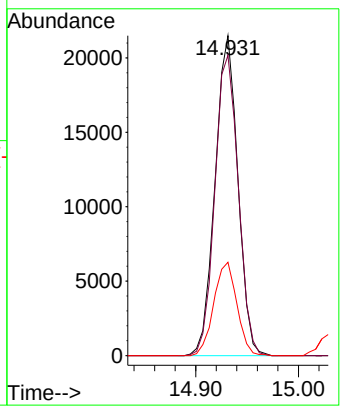


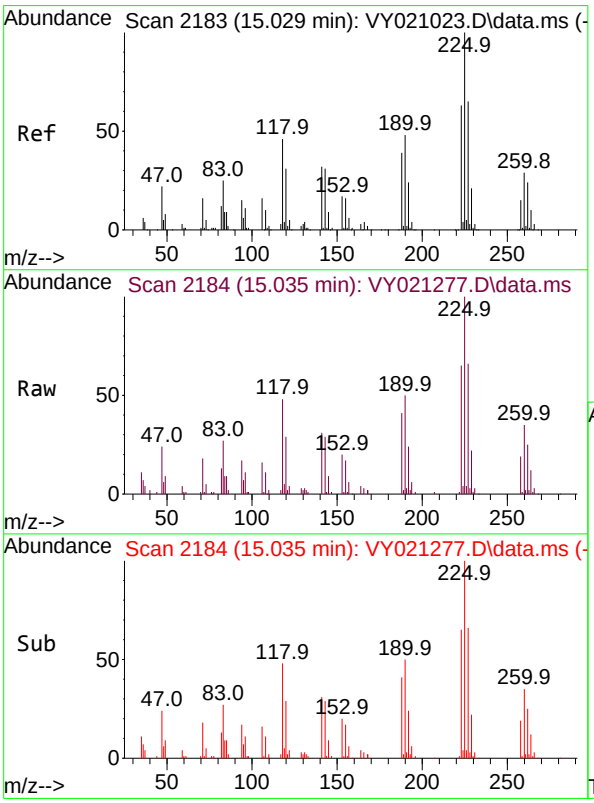

#93
1,2,4-Trichlorobenzene
Concen: 19.770 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:180 Resp: 33174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.3 | 47.9 | 143.7 |
| 145 | 29.5 | 15.9 | 47.7 |

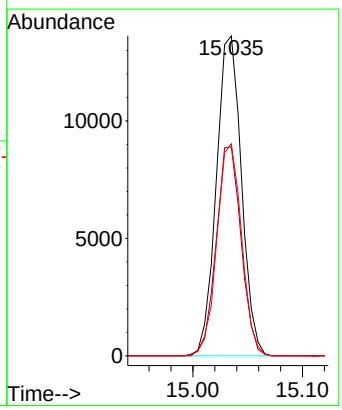


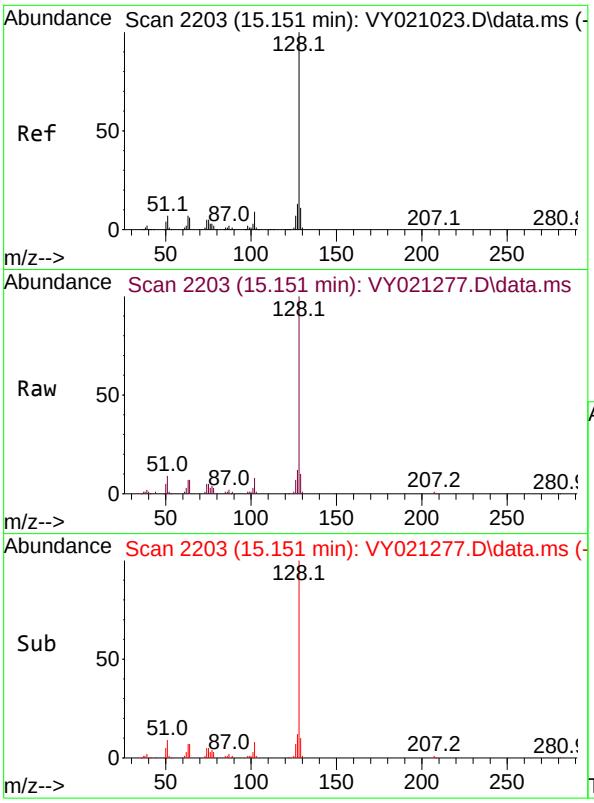




#94
Hexachlorobutadiene
Concen: 19.486 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:225 Resp: 21668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.9 | 31.4 | 94.3 |
| 227 | 65.3 | 32.3 | 96.8 |



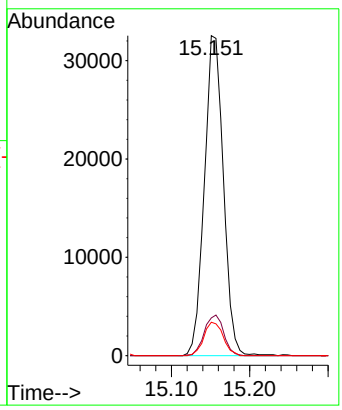


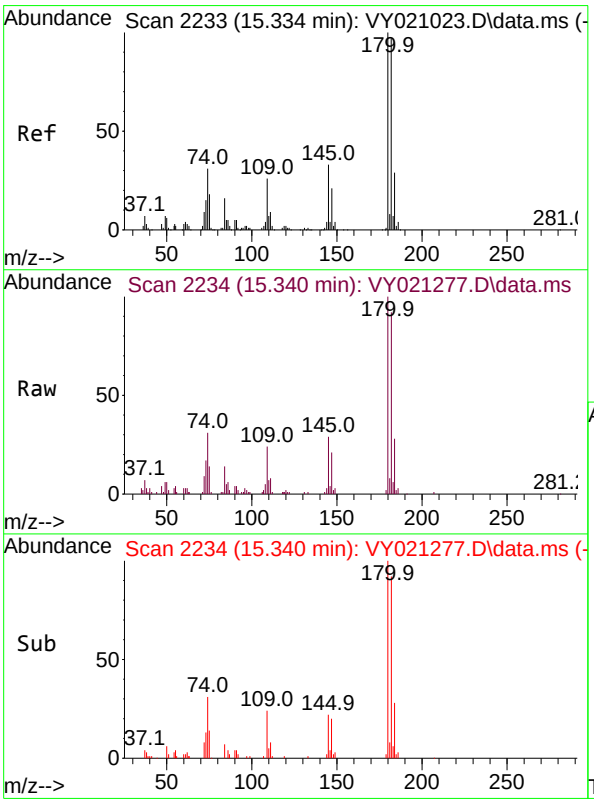

#95
Naphthalene
Concen: 20.504 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0221SBS01

Tgt Ion:128 Resp: 55046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.4 |
| 129 | 10.6 | 8.6 | 12.8 |

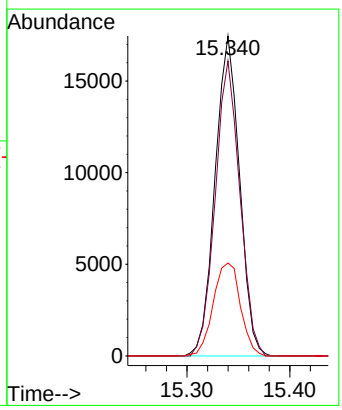



#96
1,2,3-Trichlorobenzene
Concen: 20.702 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.006 min
Lab File: VY021277.D
Acq: 21 Feb 2025 11:43

Tgt Ion:180 Resp: 28910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.7 | 46.3 | 138.8 |
| 145 | 32.2 | 16.1 | 48.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.719 | 168 | 127702 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.621 | 114 | 200243 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 179395 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 92699 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 70818 | 54.125 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 108.260% | | | |
| 35) Dibromofluoromethane | 7.646 | 113 | 68028 | 53.011 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 106.020% | | | |
| 50) Toluene-d8 | 10.115 | 98 | 253697 | 51.928 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 103.860% | | | |
| 62) 4-Bromofluorobenzene | 12.413 | 95 | 86427 | 54.149 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 108.300% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.866 | 85 | 48896 | 42.960 | ug/l | 96 |
| 3) Chloromethane | 2.074 | 50 | 66978 | 59.635 | ug/l | 96 |
| 4) Vinyl Chloride | 2.208 | 62 | 69742 | 61.693 | ug/l | 98 |
| 5) Bromomethane | 2.604 | 94 | 43960 | 62.917 | ug/l | 99 |
| 6) Chloroethane | 2.744 | 64 | 45841 | 68.120 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.067 | 101 | 105628 | 51.288 | ug/l | 100 |
| 8) Diethyl Ether | 3.464 | 74 | 32573 | 50.663 | ug/l | 93 |
| 9) 1,1,2-Trichlorotrifluo... | 3.823 | 101 | 63248 | 48.931 | ug/l | 97 |
| 10) Methyl Iodide | 4.012 | 142 | 70971 | 49.422 | ug/l | 92 |
| 11) Tert butyl alcohol | 4.872 | 59 | 20115 | 226.865 | ug/l | 95 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 58353 | 47.924 | ug/l | 86 |
| 13) Acrolein | 3.659 | 56 | 14964 | 109.599 | ug/l | 100 |
| 14) Allyl chloride | 4.397 | 41 | 107582 | 52.425 | ug/l | 90 |
| 15) Acrylonitrile | 5.067 | 53 | 72547 | 270.971 | ug/l | 97 |
| 16) Acetone | 3.884 | 43 | 54339 | 266.311 | ug/l | 95 |
| 17) Carbon Disulfide | 4.116 | 76 | 163127 | 42.725 | ug/l | 100 |
| 18) Methyl Acetate | 4.397 | 43 | 42032 | 58.681 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.122 | 73 | 164986 | 53.609 | ug/l | 98 |
| 20) Methylene Chloride | 4.628 | 84 | 66140 | 52.142 | ug/l | 90 |
| 21) trans-1,2-Dichloroethene | 5.128 | 96 | 65263 | 48.693 | ug/l | 88 |
| 22) Diisopropyl ether | 6.030 | 45 | 245873 | 58.129 | ug/l | 98 |
| 23) Vinyl Acetate | 5.969 | 43 | 664260 | 281.710 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 5.927 | 63 | 136272 | 54.988 | ug/l | 98 |
| 25) 2-Butanone | 6.902 | 43 | 94486 | 281.796 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.896 | 77 | 110775 | 48.309 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.896 | 96 | 81165 | 52.612 | ug/l | 91 |
| 28) Bromochloromethane | 7.256 | 49 | 55091 | 56.218 | ug/l | 94 |
| 29) Tetrahydrofuran | 7.274 | 42 | 62499 | 275.466 | ug/l | 93 |
| 30) Chloroform | 7.426 | 83 | 140070 | 55.027 | ug/l | 100 |
| 31) Cyclohexane | 7.707 | 56 | 104105 | 46.649 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 7.628 | 97 | 123595 | 52.224 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.841 | 75 | 94379 | 49.653 | ug/l | 98 |
| 37) Ethyl Acetate | 6.994 | 43 | 44845 | 53.780 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.829 | 117 | 110409 | 49.712 | ug/l | 99 |
| 39) Methylcyclohexane | 9.115 | 83 | 110205 | 47.400 | ug/l | 94 |
| 40) Benzene | 8.085 | 78 | 291377 | 52.236 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.225 | 41 | 26453 | 54.835 ug/l | 96 |
| 42) 1,2-Dichloroethane | 8.164 | 62 | 84380 | 54.531 ug/l | 97 |
| 43) Isopropyl Acetate | 8.207 | 43 | 92566 | 55.868 ug/l # | 84 |
| 44) Trichloroethene | 8.871 | 130 | 72094 | 50.025 ug/l | 97 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 72574 | 54.816 ug/l | 96 |
| 46) Dibromomethane | 9.237 | 93 | 38469 | 52.478 ug/l | 98 |
| 47) Bromodichloromethane | 9.432 | 83 | 107436 | 54.647 ug/l | 96 |
| 48) Methyl methacrylate | 9.225 | 41 | 42933 | 56.886 ug/l | 87 |
| 49) 1,4-Dioxane | 9.243 | 88 | 7570 | 1109.293 ug/l | 93 |
| 51) 4-Methyl-2-Pentanone | 10.005 | 43 | 240674 | 288.857 ug/l | 95 |
| 52) Toluene | 10.176 | 92 | 186882 | 53.357 ug/l | 100 |
| 53) t-1,3-Dichloropropene | 10.402 | 75 | 94918 | 53.768 ug/l | 98 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 112011 | 53.589 ug/l # | 88 |
| 55) 1,1,2-Trichloroethane | 10.578 | 97 | 50770 | 53.484 ug/l | 97 |
| 56) Ethyl methacrylate | 10.444 | 69 | 69019 | 54.350 ug/l # | 84 |
| 57) 1,3-Dichloropropane | 10.725 | 76 | 89268 | 54.331 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.719 | 63 | 154985 | 256.535 ug/l | 99 |
| 59) 2-Hexanone | 10.767 | 43 | 159168 | 296.700 ug/l | 92 |
| 60) Dibromochloromethane | 10.914 | 129 | 70461 | 52.855 ug/l | 99 |
| 61) 1,2-Dibromoethane | 11.023 | 107 | 46137 | 51.889 ug/l | 100 |
| 64) Tetrachloroethene | 10.651 | 164 | 63533 | 47.707 ug/l | 96 |
| 65) Chlorobenzene | 11.444 | 112 | 200342 | 50.154 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.523 | 131 | 73344 | 51.667 ug/l | 98 |
| 67) Ethyl Benzene | 11.523 | 91 | 361813 | 51.210 ug/l | 100 |
| 68) m/p-Xylenes | 11.633 | 106 | 271905 | 102.873 ug/l | 98 |
| 69) o-Xylene | 11.962 | 106 | 128186 | 52.018 ug/l | 96 |
| 70) Styrene | 11.974 | 104 | 220140 | 53.599 ug/l | 98 |
| 71) Bromoform | 12.139 | 173 | 40285 | 50.984 ug/l # | 99 |
| 73) Isopropylbenzene | 12.261 | 105 | 346825 | 47.897 ug/l | 99 |
| 74) N-amyl acetate | 12.078 | 43 | 83623 | 52.822 ug/l | 92 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 57866 | 48.050 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 12.566 | 75 | 76878 | 91.424 ug/l # | 100 |
| 77) Bromobenzene | 12.535 | 156 | 79189 | 47.390 ug/l | 95 |
| 78) n-propylbenzene | 12.602 | 91 | 421016 | 48.809 ug/l | 99 |
| 79) 2-Chlorotoluene | 12.688 | 91 | 238624 | 48.301 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.743 | 105 | 282926 | 48.192 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75 | 18920 | 45.910 ug/l | 92 |
| 82) 4-Chlorotoluene | 12.785 | 91 | 245636 | 48.800 ug/l | 99 |
| 83) tert-Butylbenzene | 13.005 | 119 | 260345 | 48.787 ug/l | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.047 | 105 | 284109 | 49.493 ug/l | 99 |
| 85) sec-Butylbenzene | 13.182 | 105 | 373628 | 48.640 ug/l | 99 |
| 86) p-Isopropyltoluene | 13.297 | 119 | 313085 | 49.066 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 158092 | 48.998 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 155677 | 49.004 ug/l | 99 |
| 89) n-Butylbenzene | 13.620 | 91 | 292709 | 50.284 ug/l | 99 |
| 90) Hexachloroethane | 13.889 | 117 | 65786 | 49.420 ug/l | 87 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 138923 | 49.608 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 8778 | 48.777 ug/l | 96 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 79651 | 51.098 ug/l | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 51673 | 50.024 ug/l | 99 |
| 95) Naphthalene | 15.151 | 128 | 135915 | 54.500 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 68173 | 52.553 ug/l | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

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

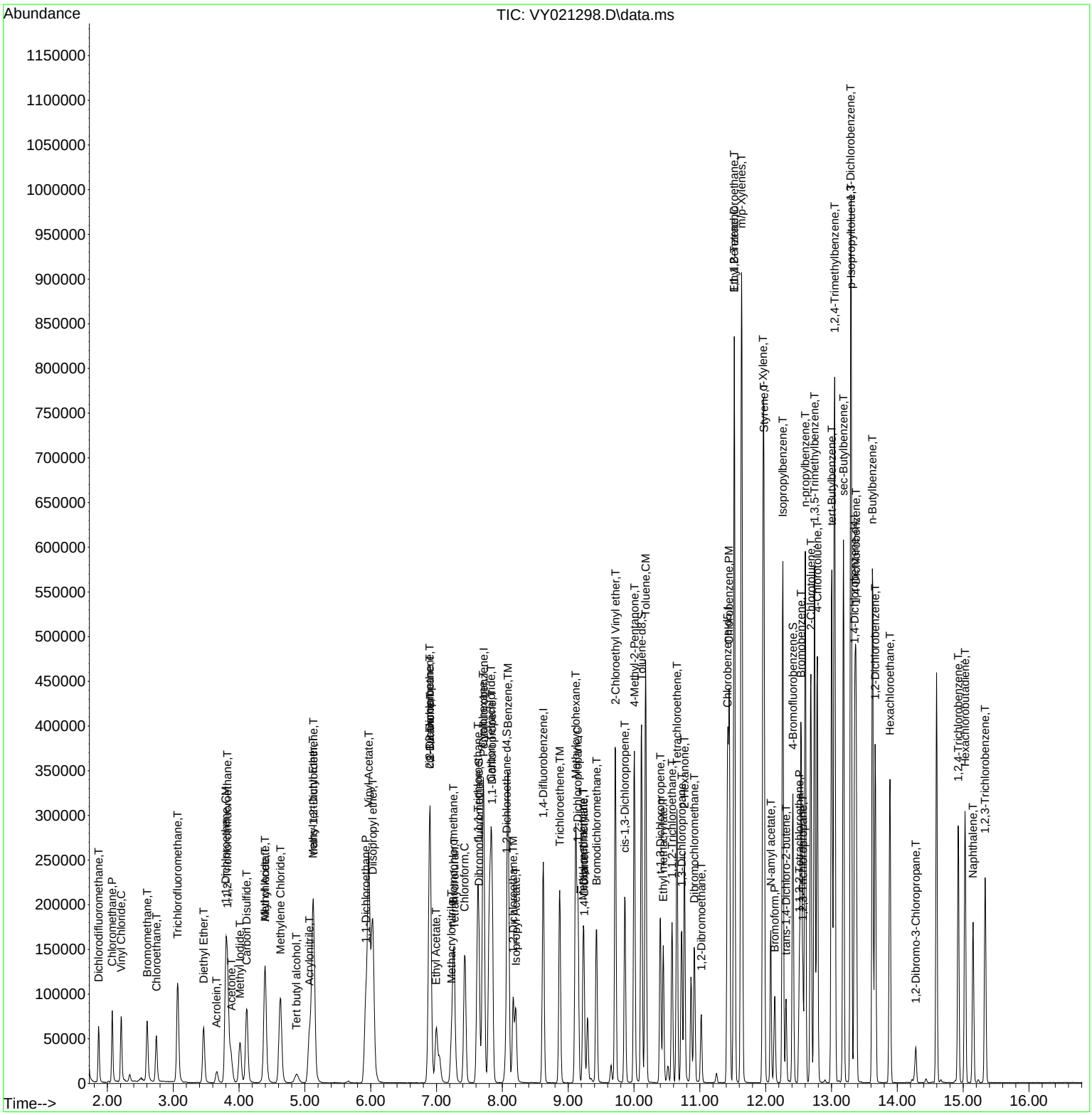
(#) = qualifier out of range (m) = manual integration (+) = signals summed

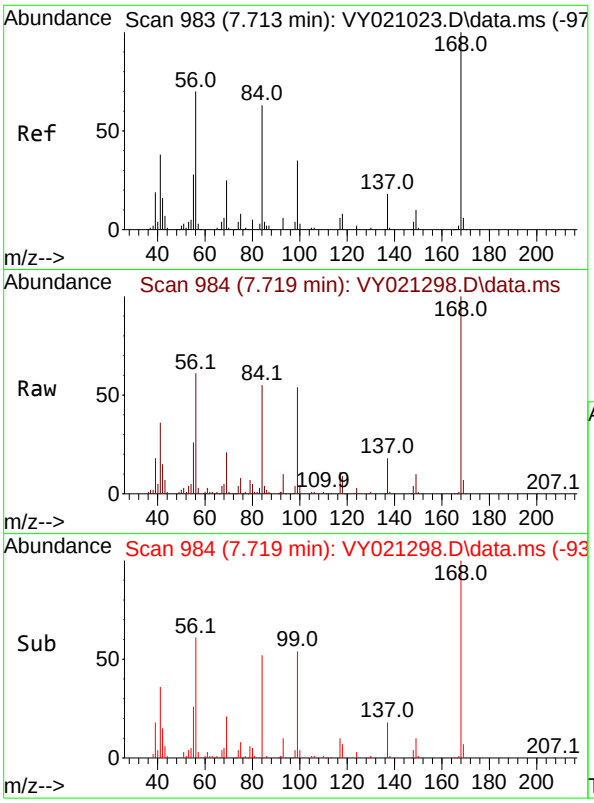
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021298.D
Acq On : 21 Feb 2025 20:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 28 06:39:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration



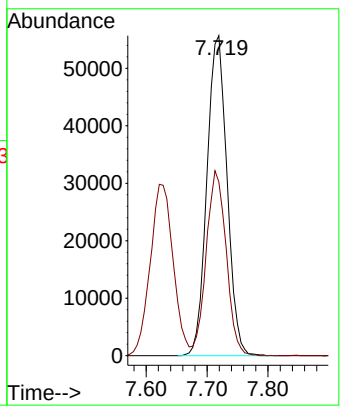


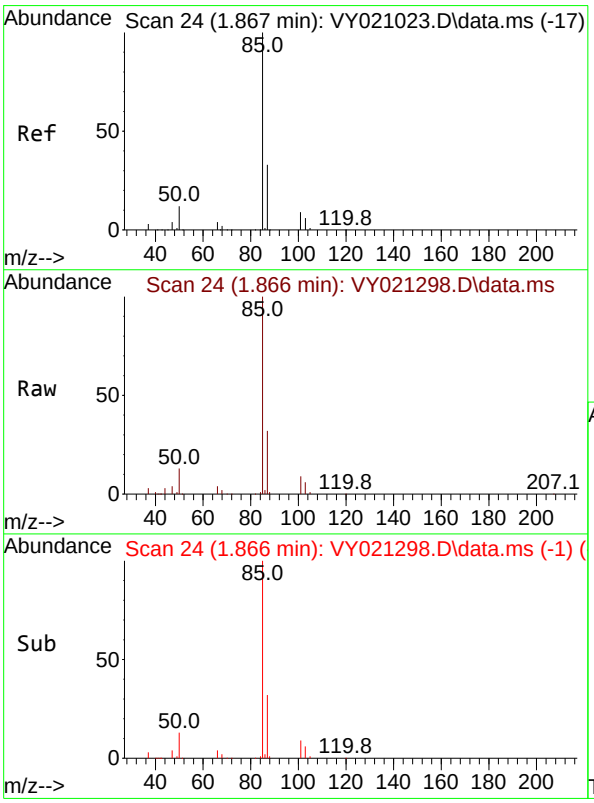

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 127702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.3 | 44.2 | 66.4 |

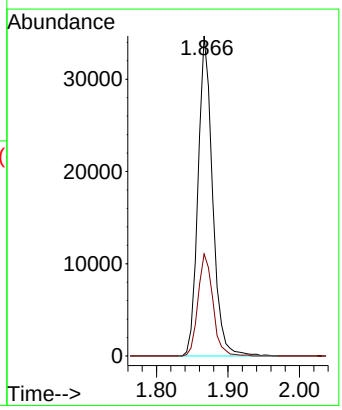


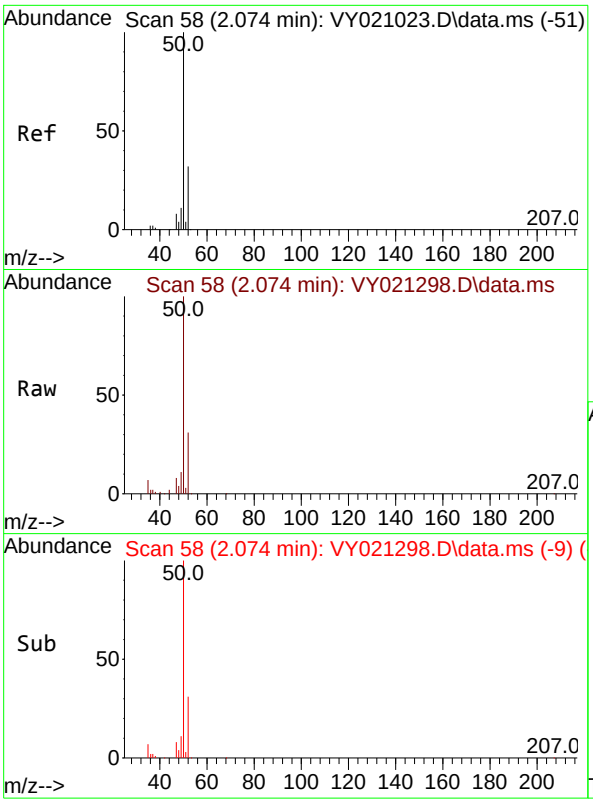




#2
Dichlorodifluoromethane
Concen: 42.960 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 85 Resp: 48896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.9 | 17.1 | 51.3 |



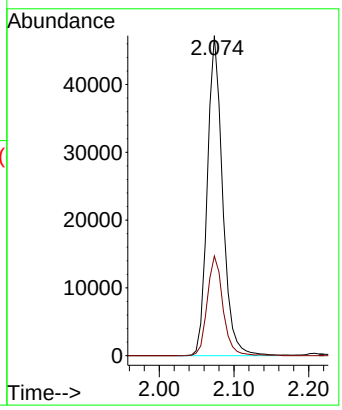


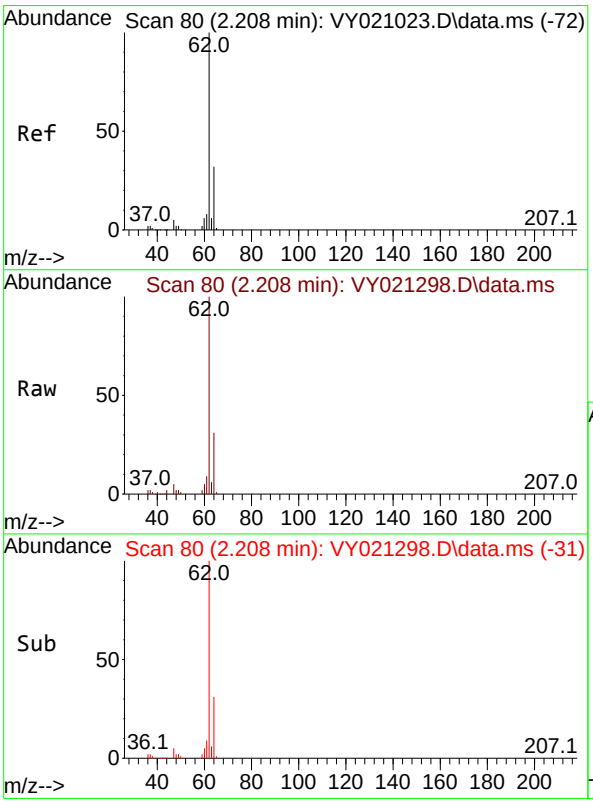

#3
Chloromethane
Concen: 59.635 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 66978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.1 | 26.7 | 40.1 |

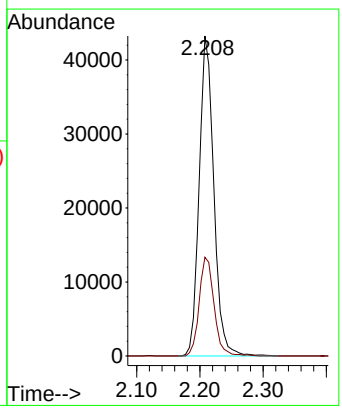


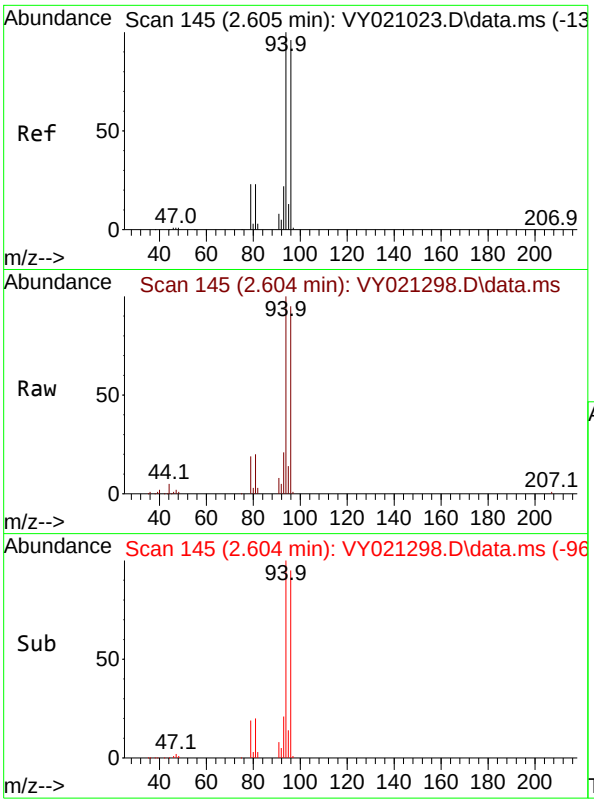




#4
Vinyl Chloride
Concen: 61.693 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 62 Resp: 69742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.8 | 25.7 | 38.5 |



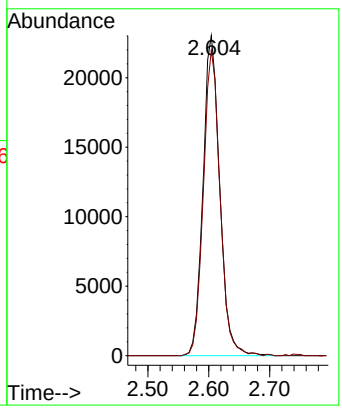


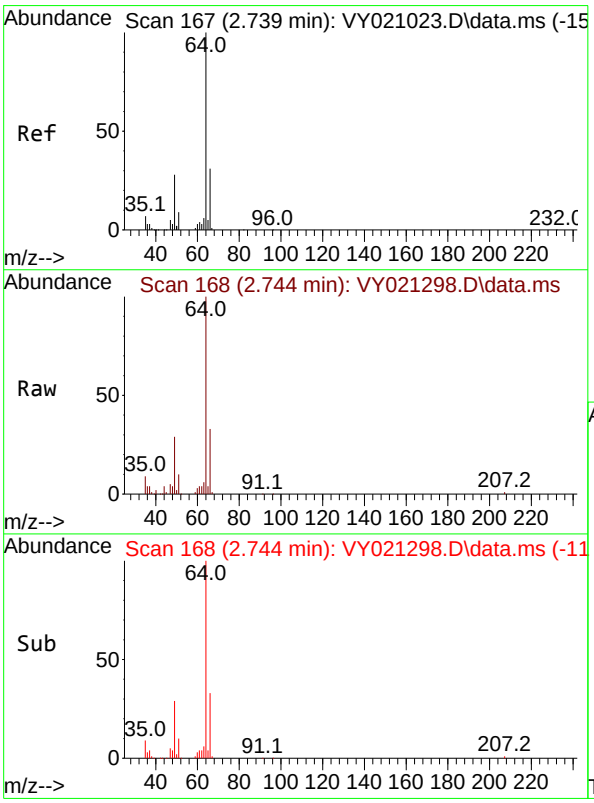

#5
Bromomethane
Concen: 62.917 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 43960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.5 | 77.3 | 115.9 |

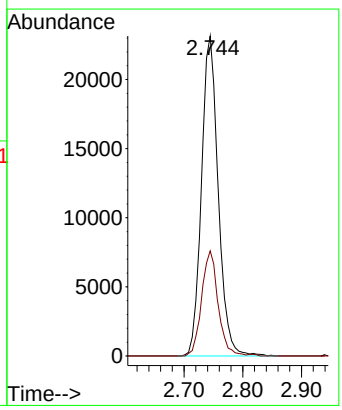


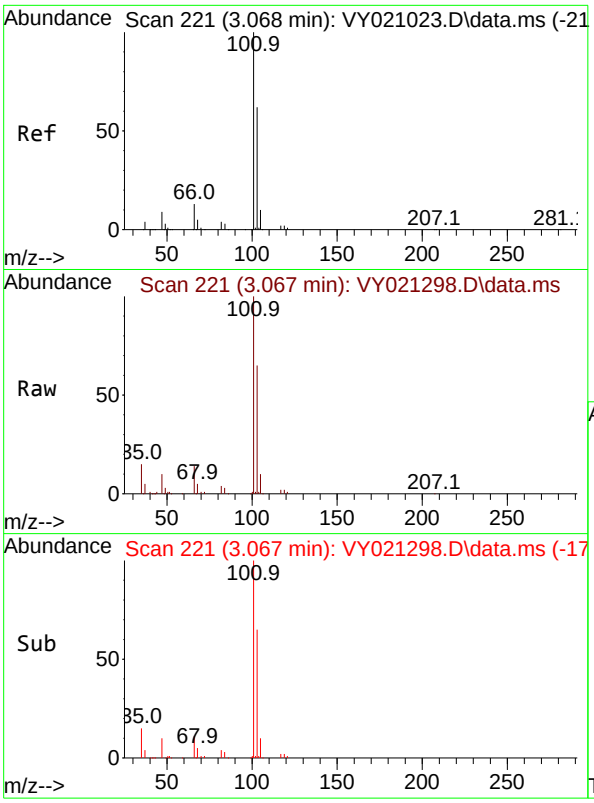




#6
Chloroethane
Concen: 68.120 ug/l
RT: 2.744 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 64 Resp: 45841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.8 | 25.1 | 37.7 |



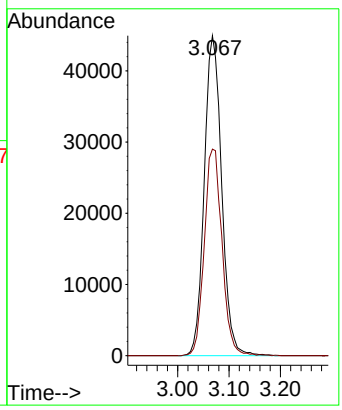


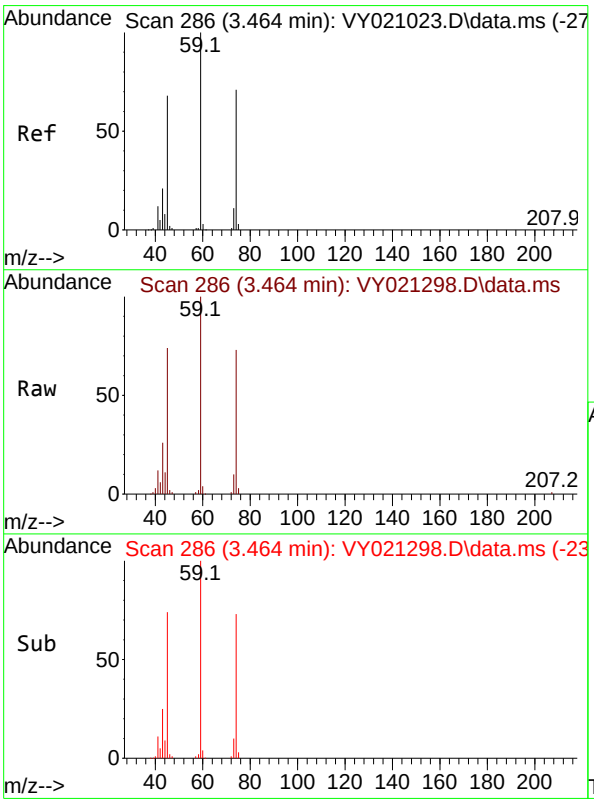

#7
Trichlorofluoromethane
Concen: 51.288 ug/l
RT: 3.067 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 105628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.5 | 51.9 | 77.9 |

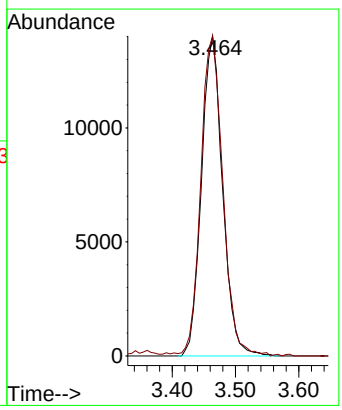


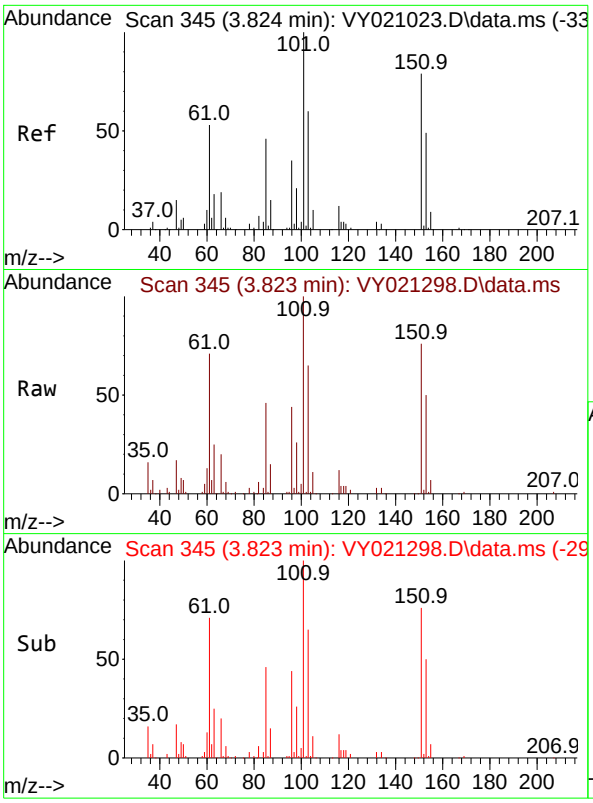




#8
Diethyl Ether
Concen: 50.663 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 74 Resp: 32573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.1 | 47.9 | 143.7 |



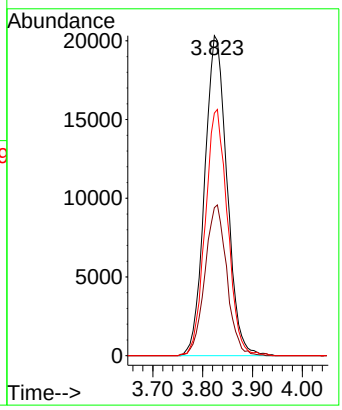


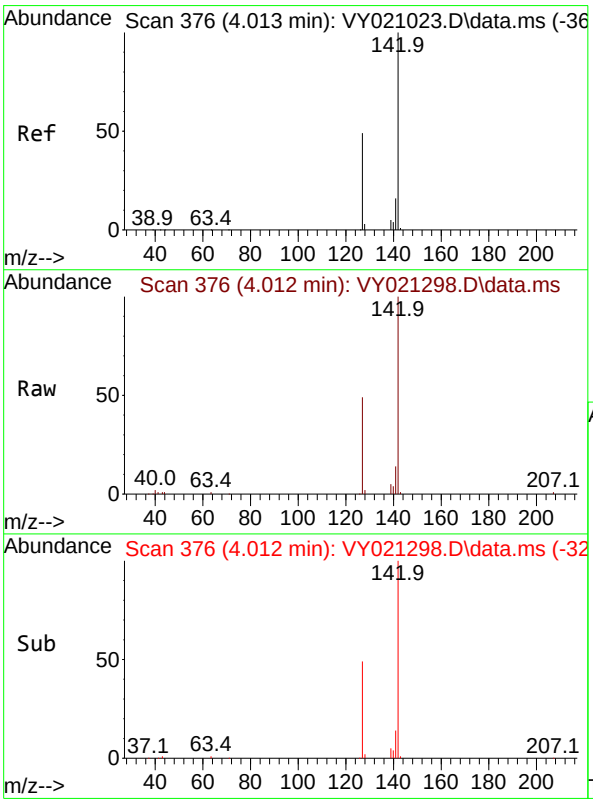

#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.931 ug/l
RT: 3.823 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 63248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 35.8 | 53.6 |
| 151 | 76.7 | 58.6 | 88.0 |

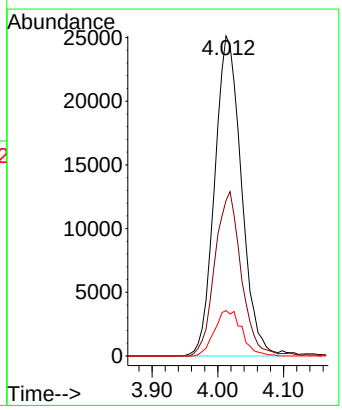


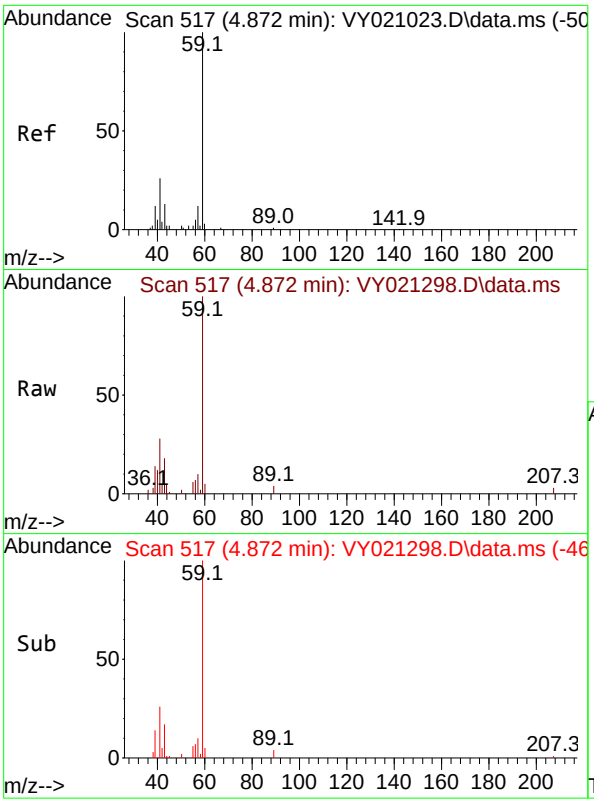




#10
Methyl Iodide
Concen: 49.422 ug/l
RT: 4.012 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:142 Resp: 70971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.6 | 35.1 | 52.7 |
| 141 | 14.6 | 11.8 | 17.6 |



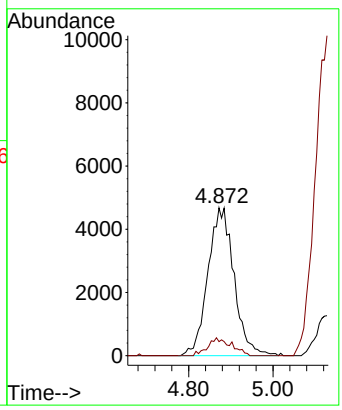


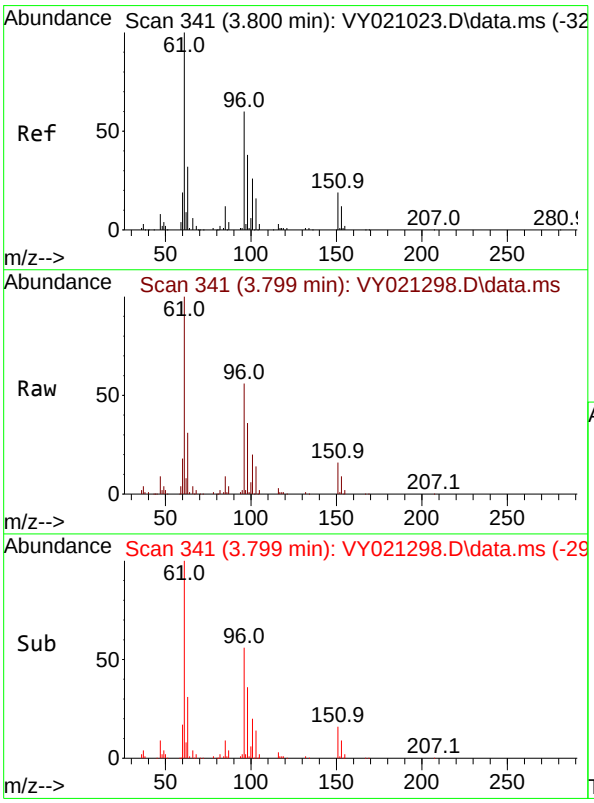

#11
Tert butyl alcohol
Concen: 226.865 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 20115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 7.4 | 11.0 |

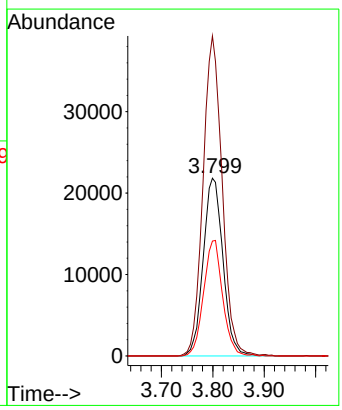


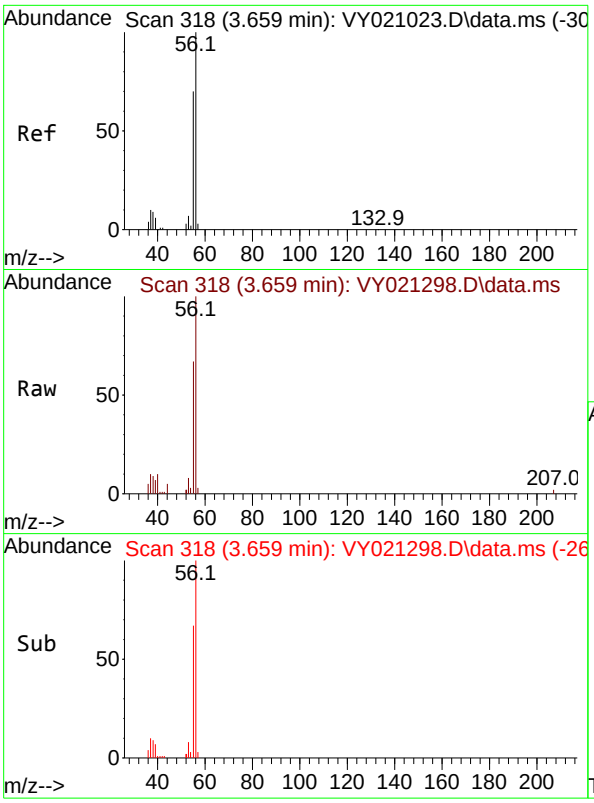




#12
1,1-Dichloroethene
Concen: 47.924 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 96 Resp: 58353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 180.0 | 124.2 | 186.2 |
| 98 | 64.6 | 52.6 | 79.0 |



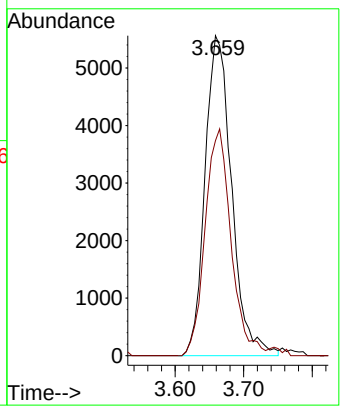


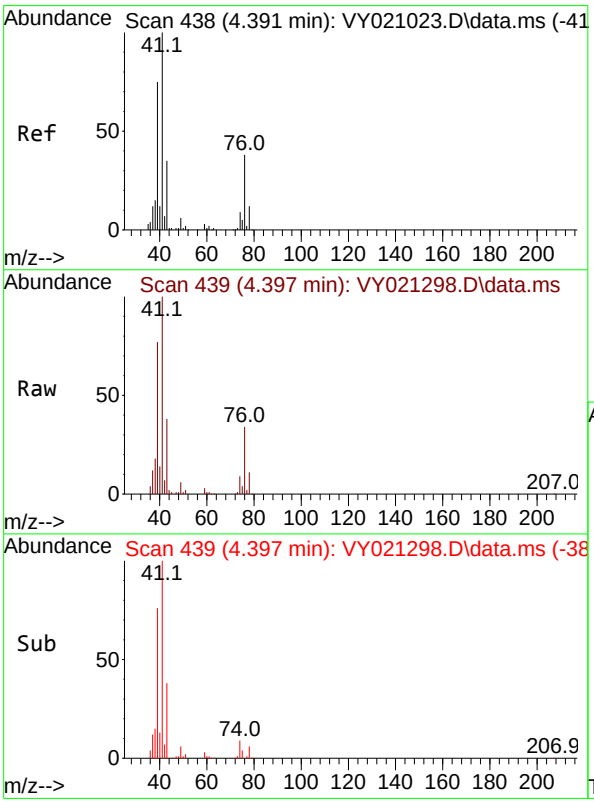

#13
Acrolein
Concen: 109.599 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 14964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.4 | 55.4 | 83.0 |

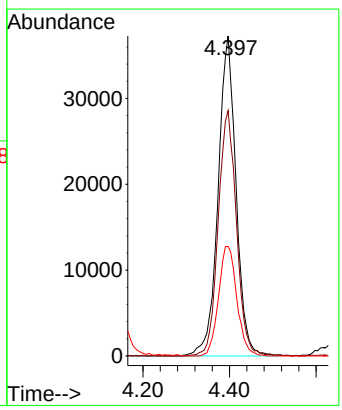


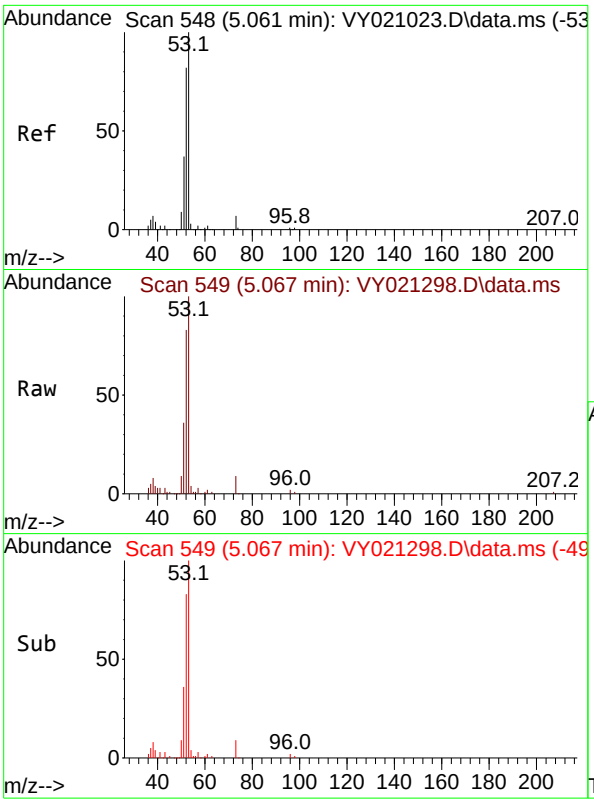




#14
Allyl chloride
Concen: 52.425 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 41 Resp: 107582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 78.0 | 54.7 | 82.1 |
| 76 | 35.0 | 31.8 | 47.6 |



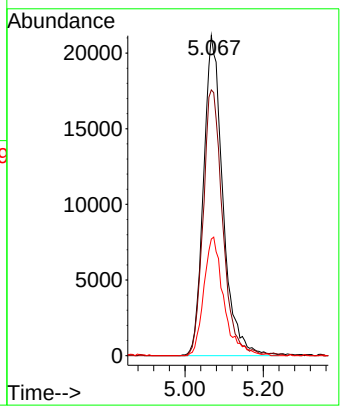


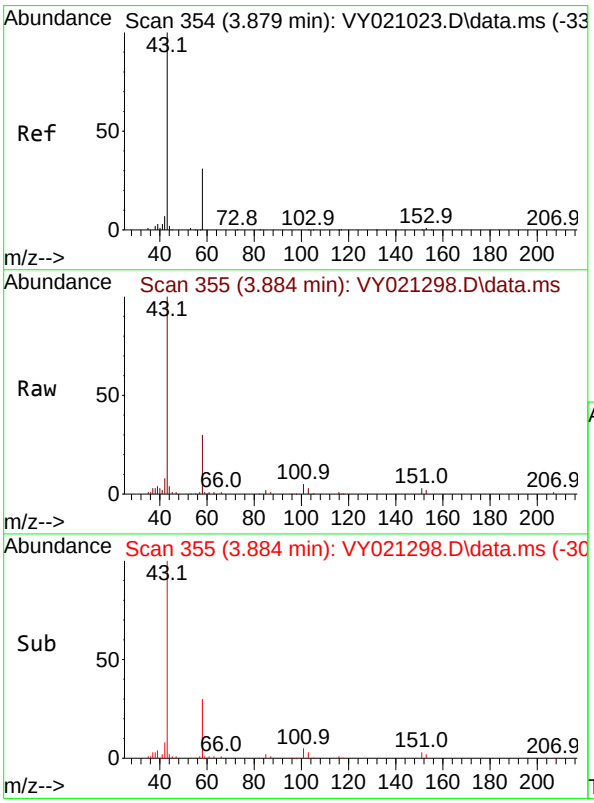

#15
Acrylonitrile
Concen: 270.971 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 72547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.5 | 65.1 | 97.7 |
| 51 | 38.3 | 29.0 | 43.4 |

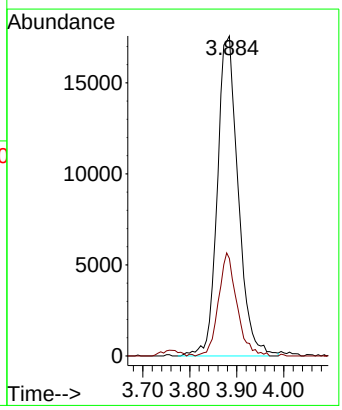


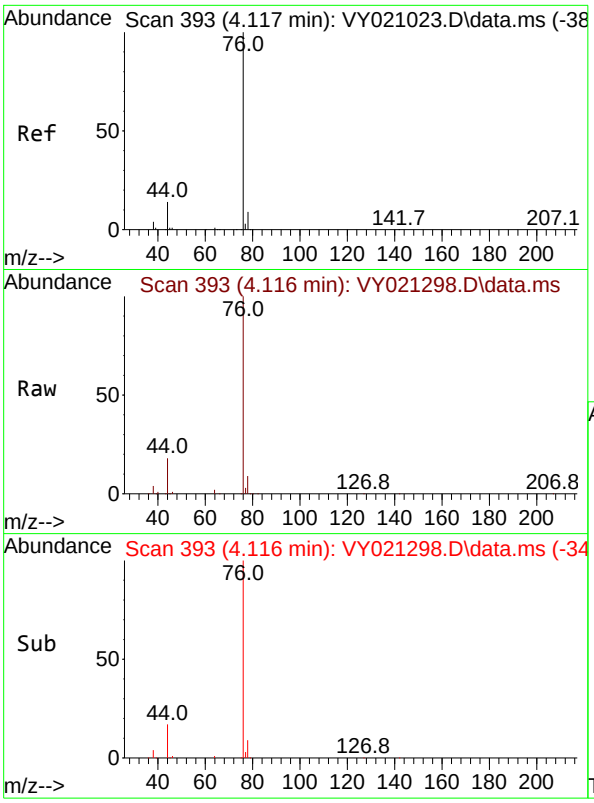




#16
Acetone
Concen: 266.311 ug/l
RT: 3.884 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 54339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 26.6 | 39.8 |



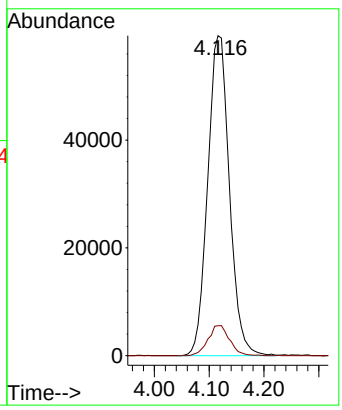


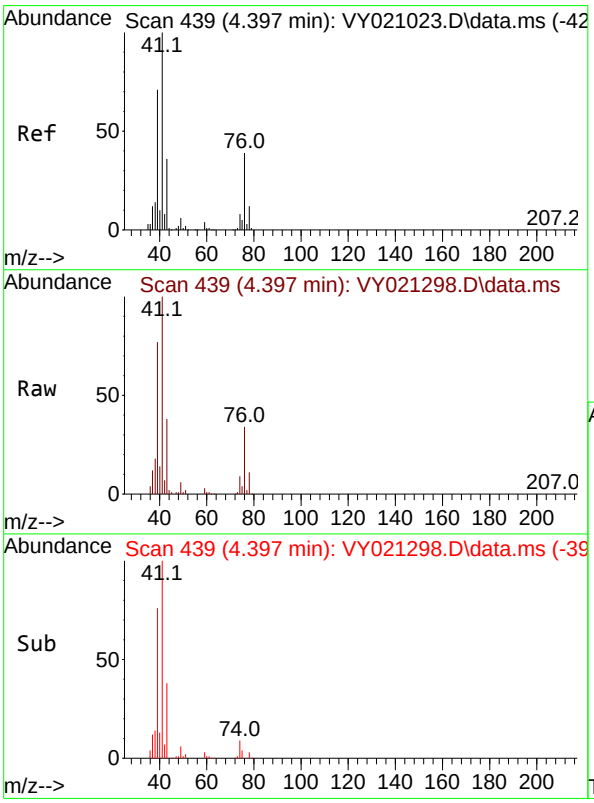

#17
Carbon Disulfide
Concen: 42.725 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 163127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.0 |

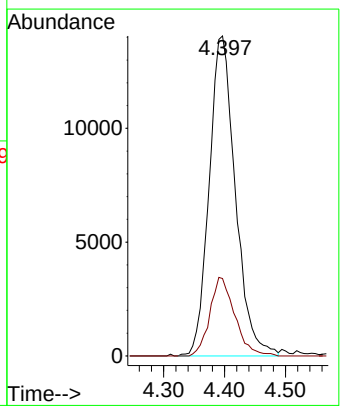


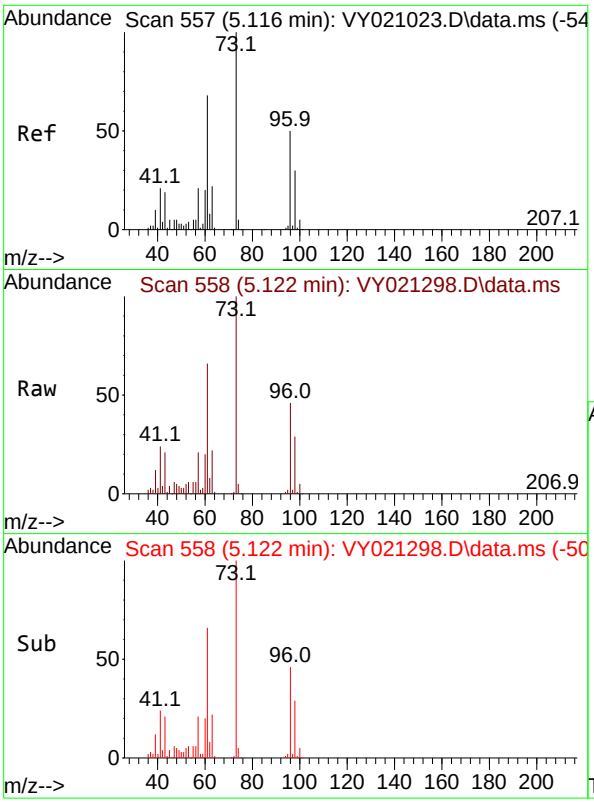




#18
Methyl Acetate
Concen: 58.681 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 42032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.4 | 19.8 | 29.6 |



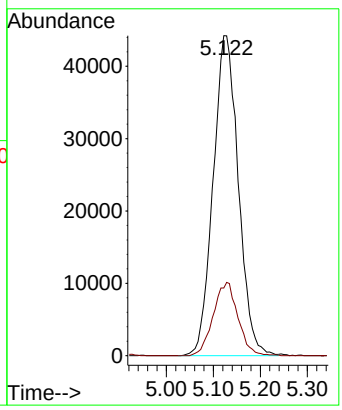


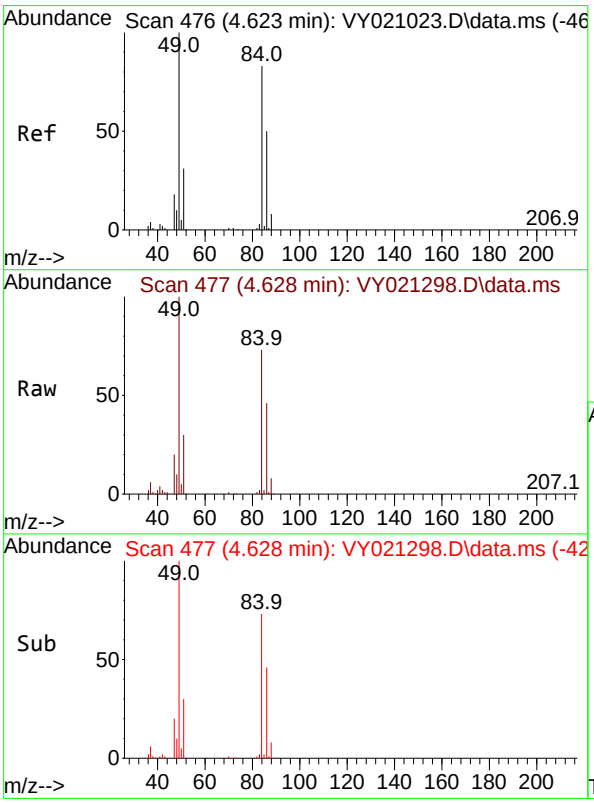

#19
Methyl tert-butyl Ether
Concen: 53.609 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 164986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 17.7 | 26.5 |

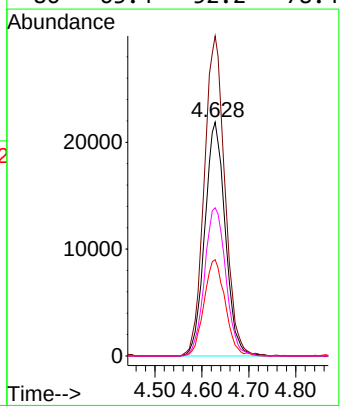


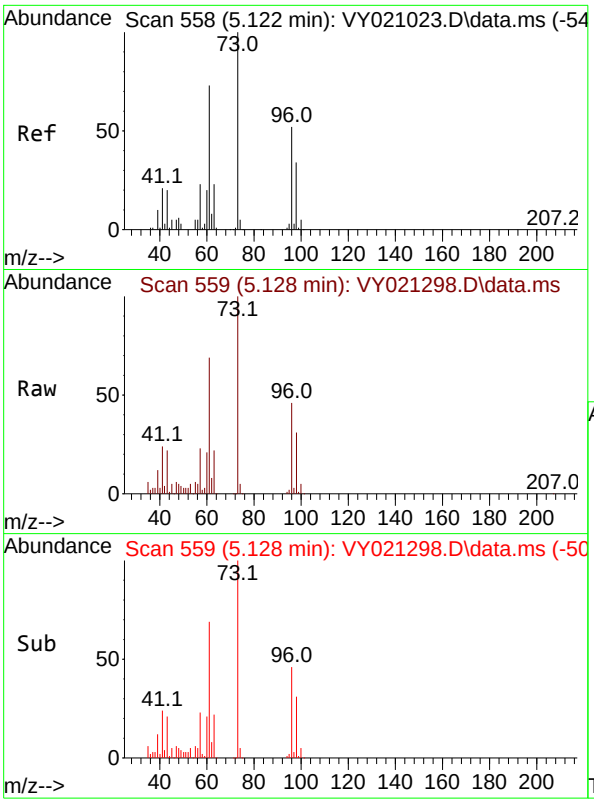




#20
Methylene Chloride
Concen: 52.142 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 84 Resp: 66140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.9 | 95.2 | 142.8 |
| 51 | 41.2 | 29.9 | 44.9 |
| 86 | 63.4 | 52.2 | 78.4 |



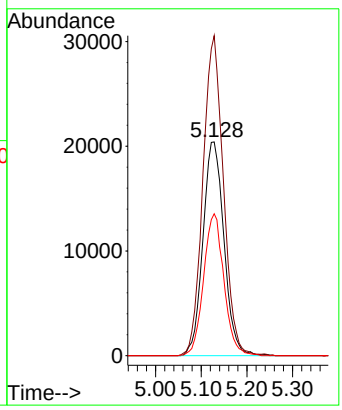


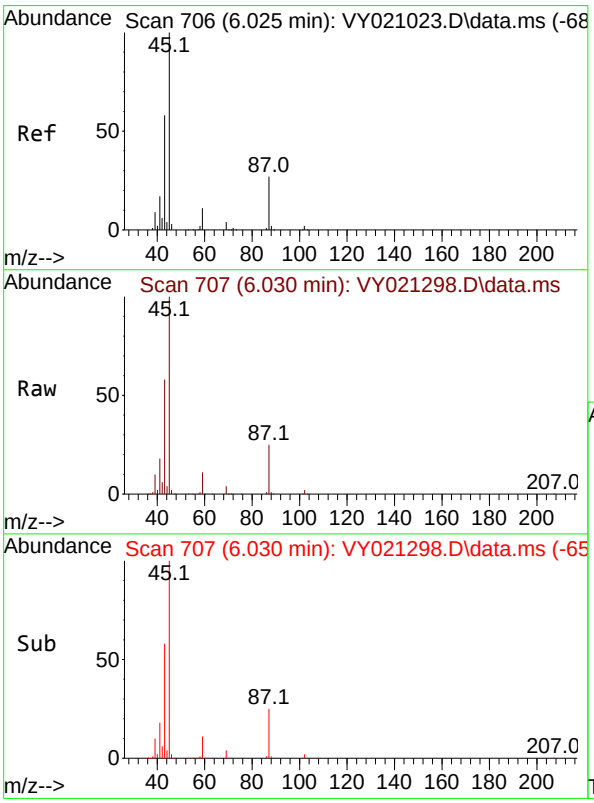

#21
trans-1,2-Dichloroethene
Concen: 48.693 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 65263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.7 | 104.6 | 156.8 |
| 98 | 66.4 | 50.9 | 76.3 |

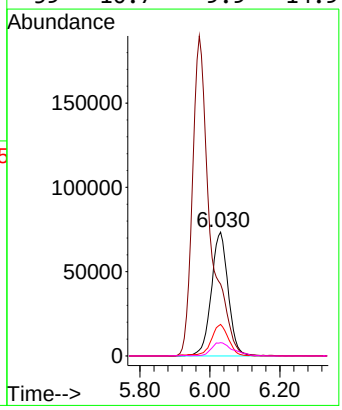


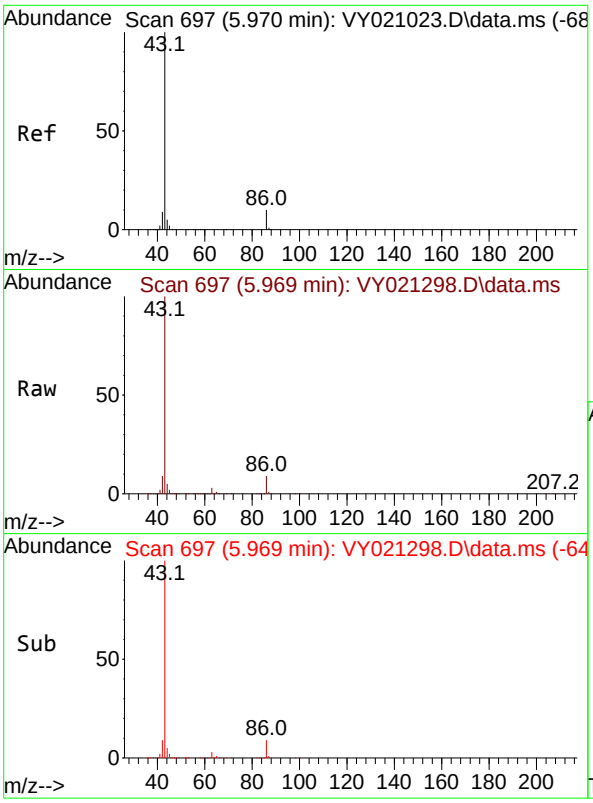




#22
Diisopropyl ether
Concen: 58.129 ug/l
RT: 6.030 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 45 Resp: 245873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 57.7 | 46.8 | 70.2 |
| 87 | 25.4 | 22.2 | 33.2 |
| 59 | 10.7 | 9.9 | 14.9 |



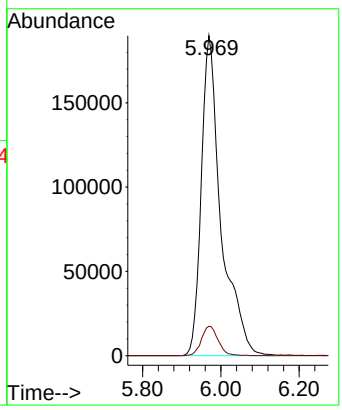


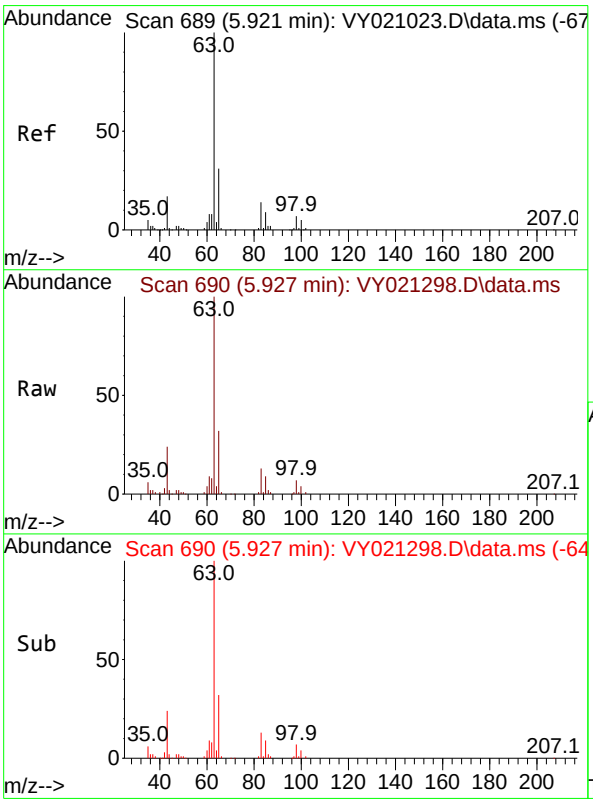

#23
Vinyl Acetate
Concen: 281.710 ug/l
RT: 5.969 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 664260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.2 | 8.6 | 13.0 |

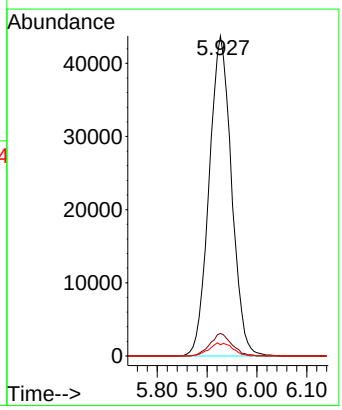


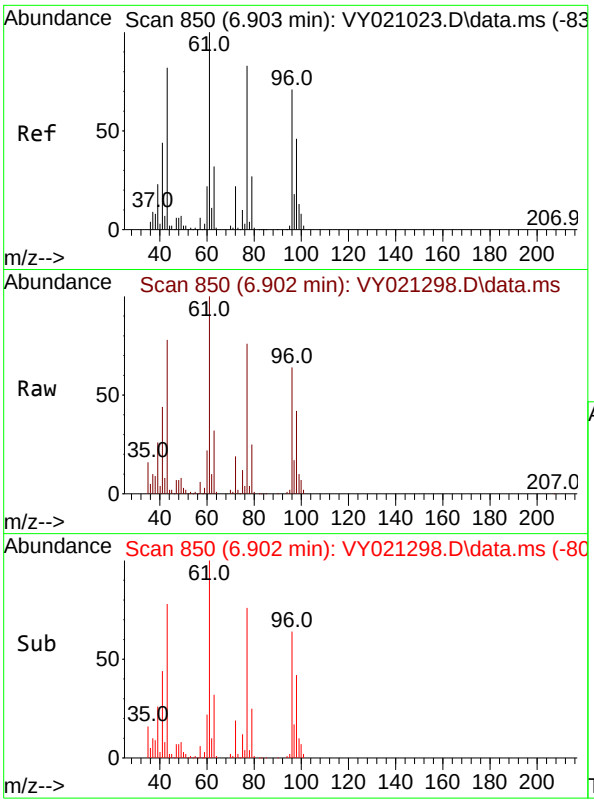




#24
1,1-Dichloroethane
Concen: 54.988 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 63 Resp: 136272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.8 | 11.4 |
| 100 | 3.5 | 2.1 | 6.2 |



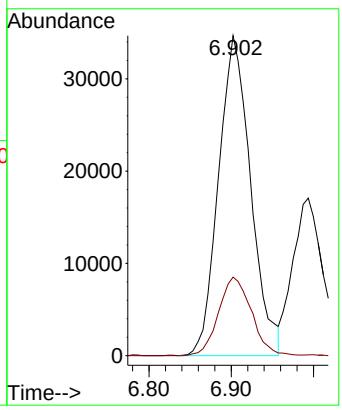


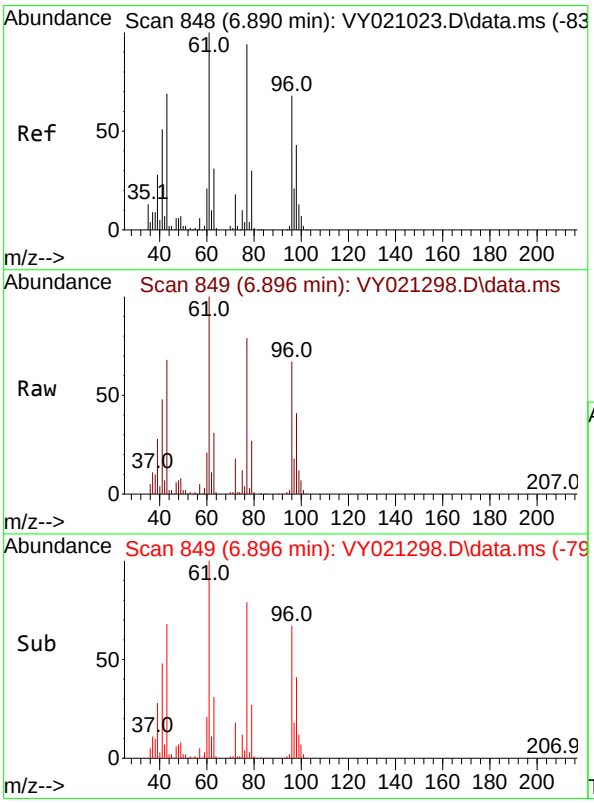

#25
2-Butanone
Concen: 281.796 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 94486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 21.4 | 32.2 |

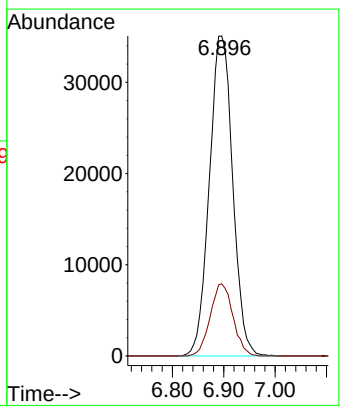


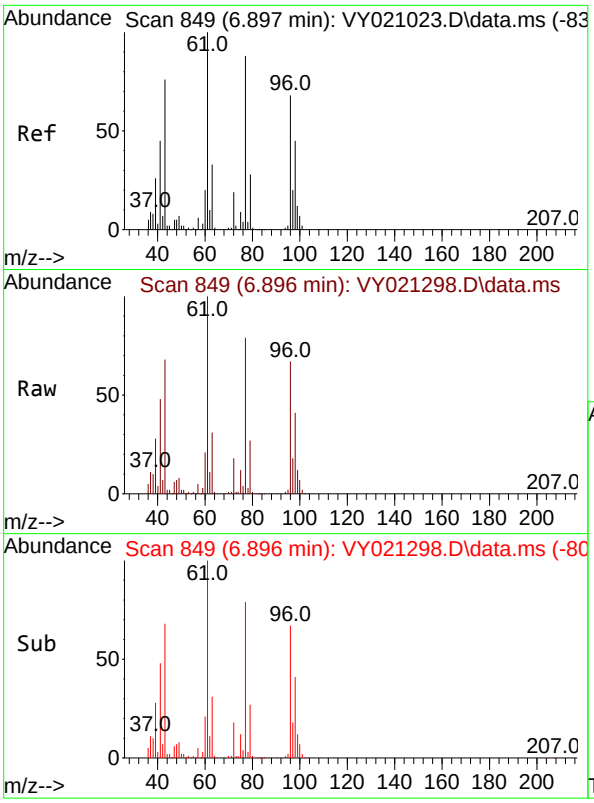




#26
2,2-Dichloropropane
Concen: 48.309 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 77 Resp: 110775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 11.7 | 35.0 |



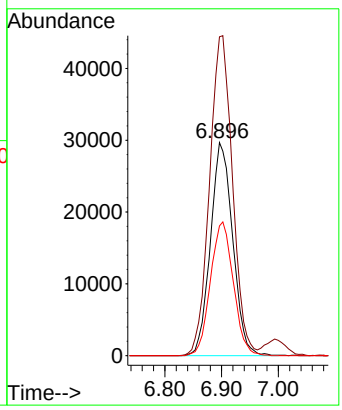


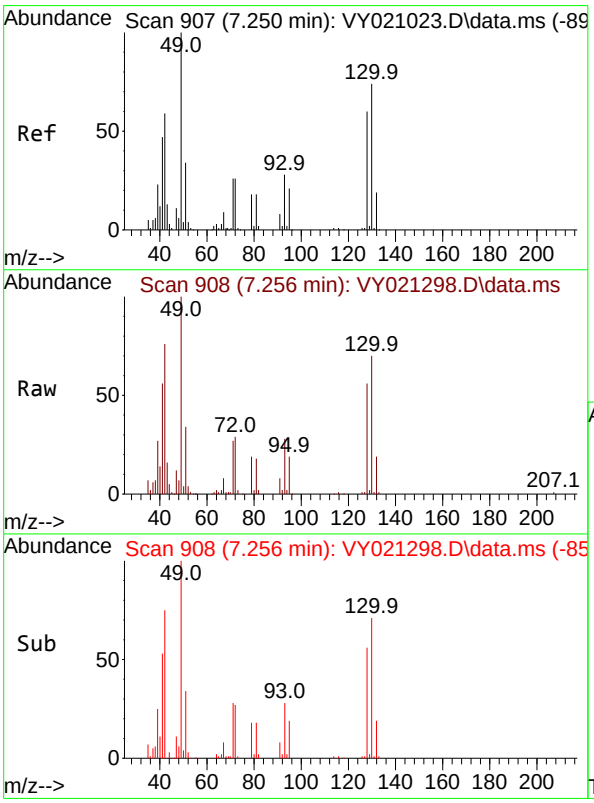

#27
cis-1,2-Dichloroethene
Concen: 52.612 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 81165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.5 | 0.0 | 278.8 |
| 98 | 64.4 | 0.0 | 127.0 |

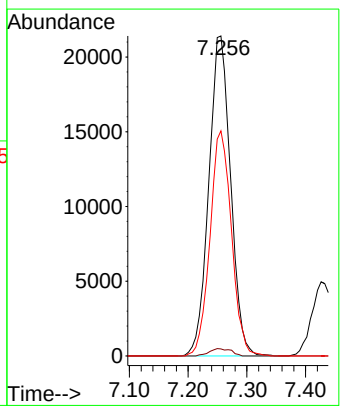


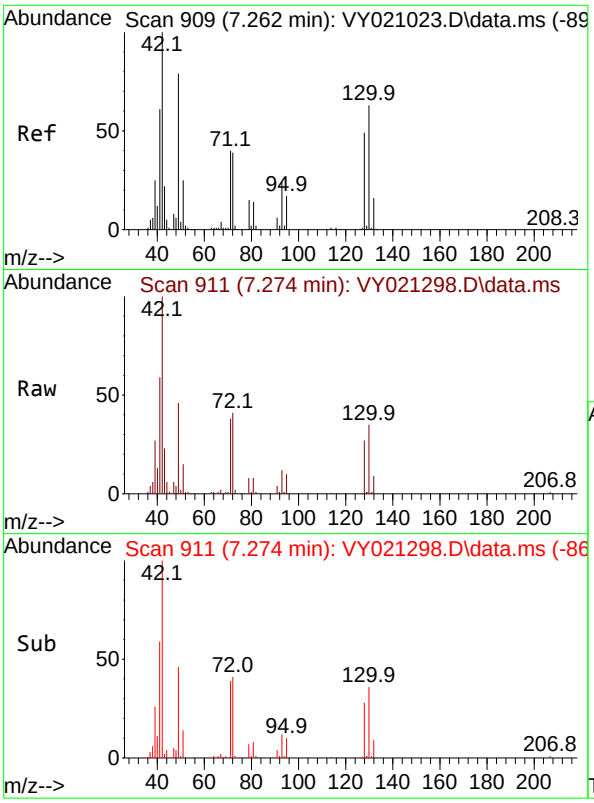




#28
Bromochloromethane
Concen: 56.218 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 49 Resp: 55091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 3.8 |
| 130 | 69.4 | 59.8 | 89.8 |



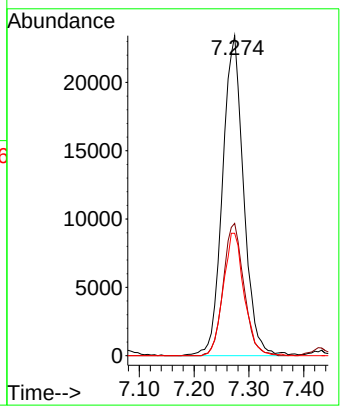


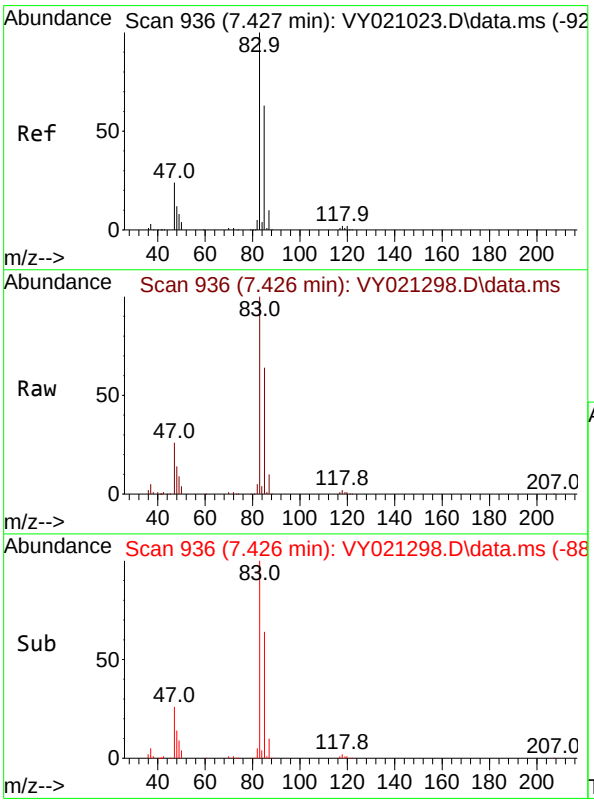

#29
Tetrahydrofuran
Concen: 275.466 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 62499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.6 | 36.6 | 54.8 |
| 71 | 38.0 | 33.8 | 50.6 |

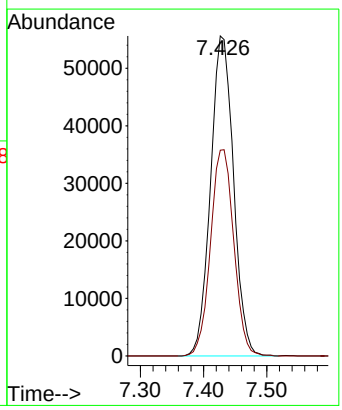


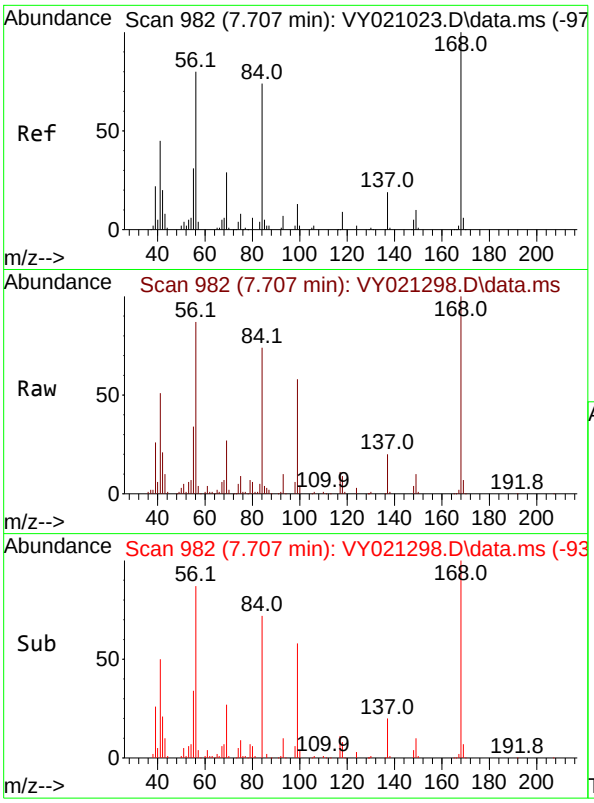




#30
Chloroform
Concen: 55.027 ug/l
RT: 7.426 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 83 Resp: 140070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 51.2 | 76.8 |



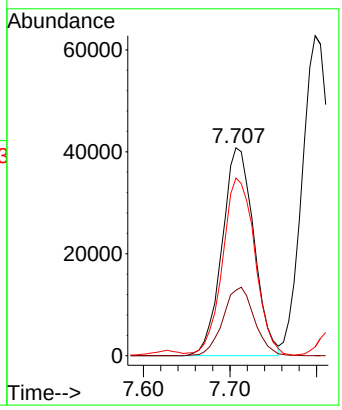


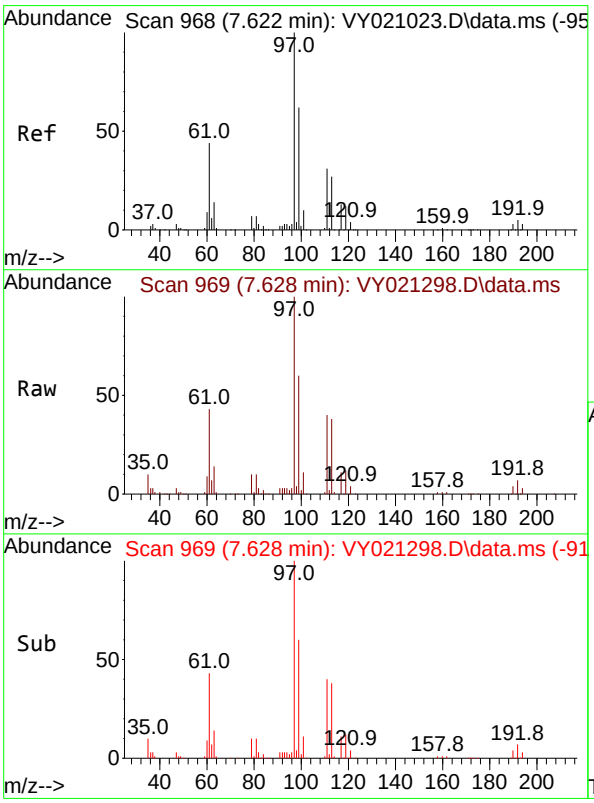

#31
Cyclohexane
Concen: 46.649 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 104105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.5 | 27.0 | 40.6 |
| 84 | 83.8 | 71.8 | 107.6 |

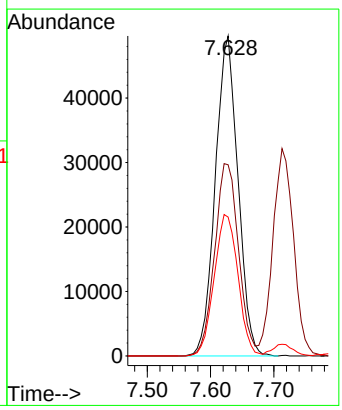


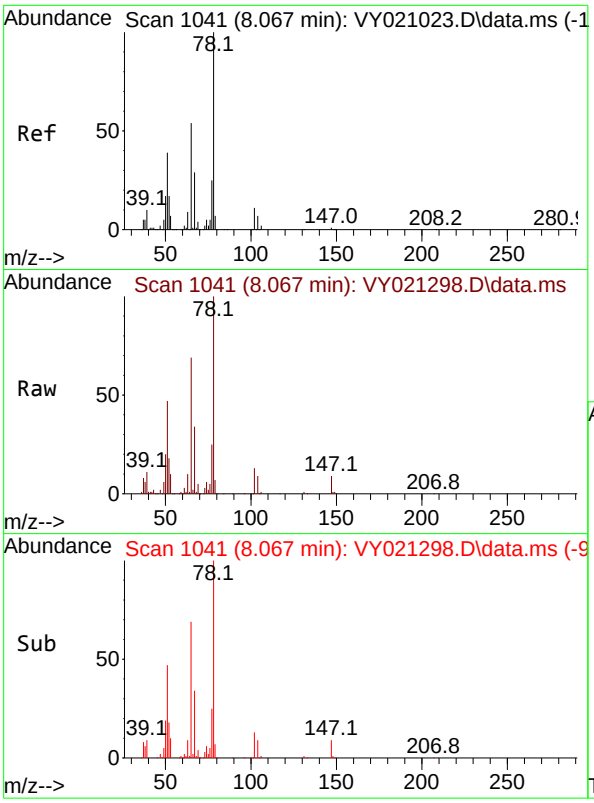




#32
1,1,1-Trichloroethane
Concen: 52.224 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 97 Resp: 123595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 51.2 | 76.8 |
| 61 | 46.4 | 35.0 | 52.6 |



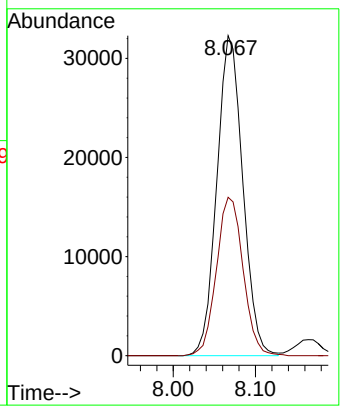


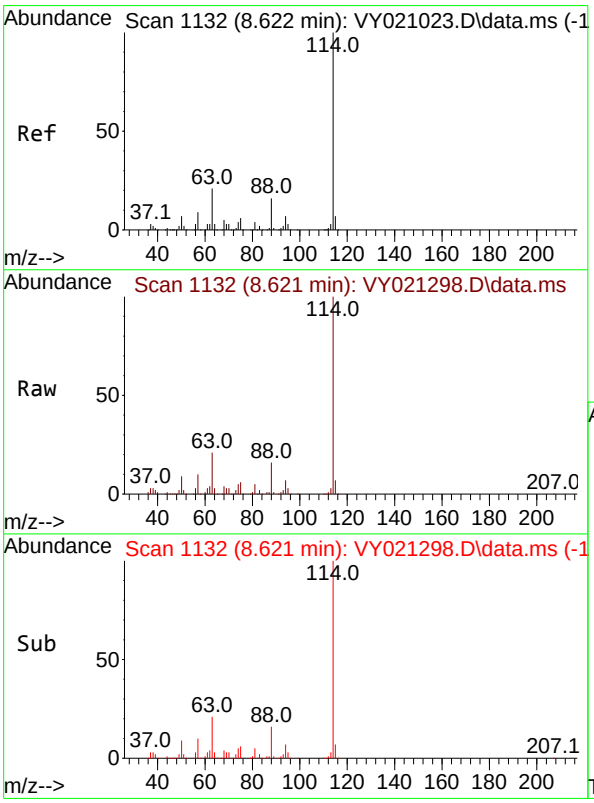

#33
1,2-Dichloroethane-d4
Concen: 54.125 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 70818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.0 | 0.0 | 109.0 |

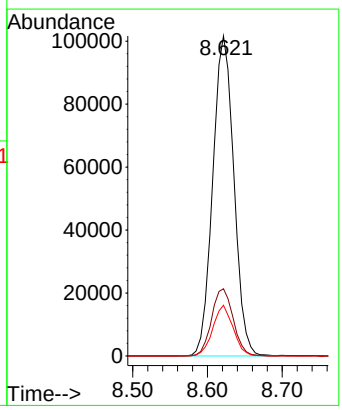


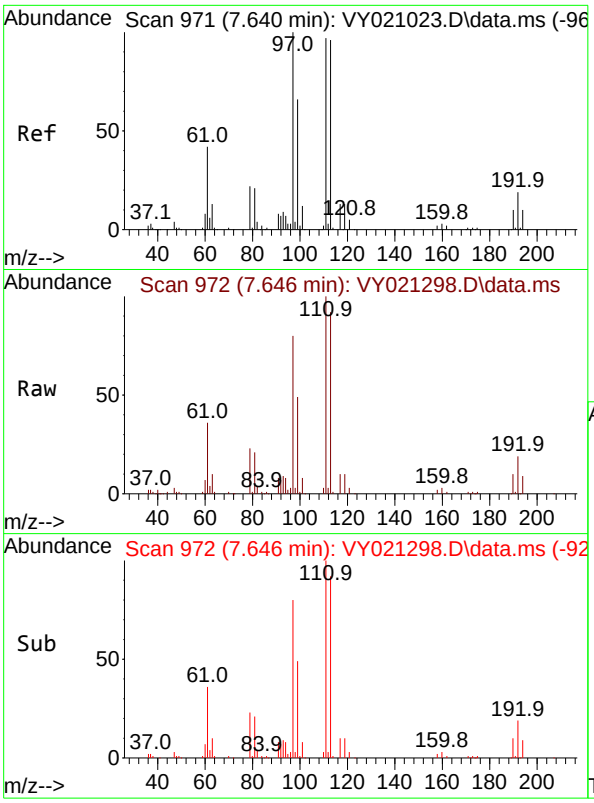




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:114 Resp: 200243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 37.4 |
| 88 | 15.8 | 0.0 | 29.0 |



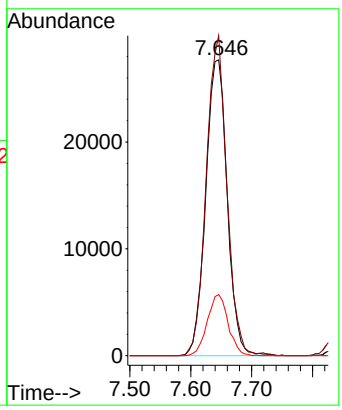


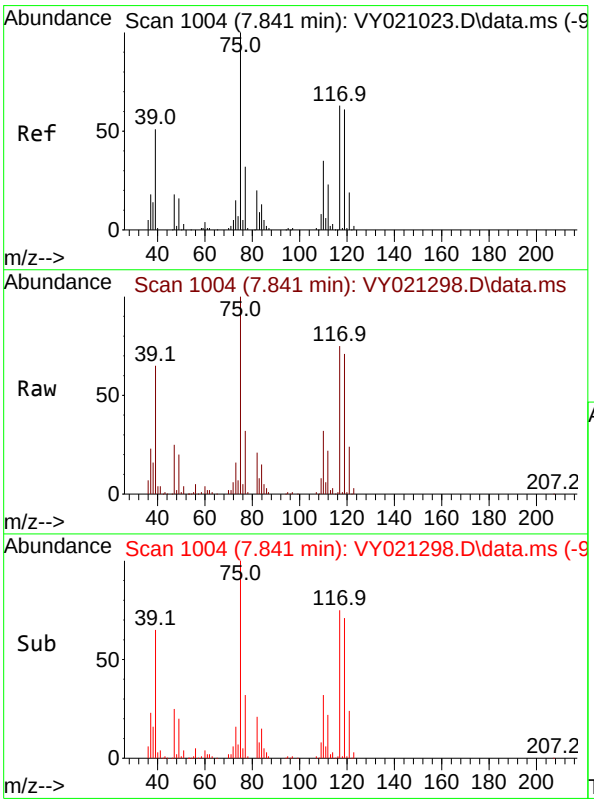

#35
Dibromofluoromethane
Concen: 53.011 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 68028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 83.8 | 125.6 |
| 192 | 20.0 | 14.5 | 21.7 |

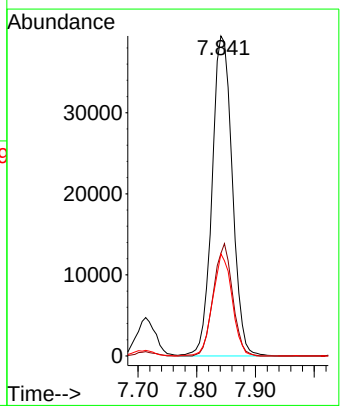


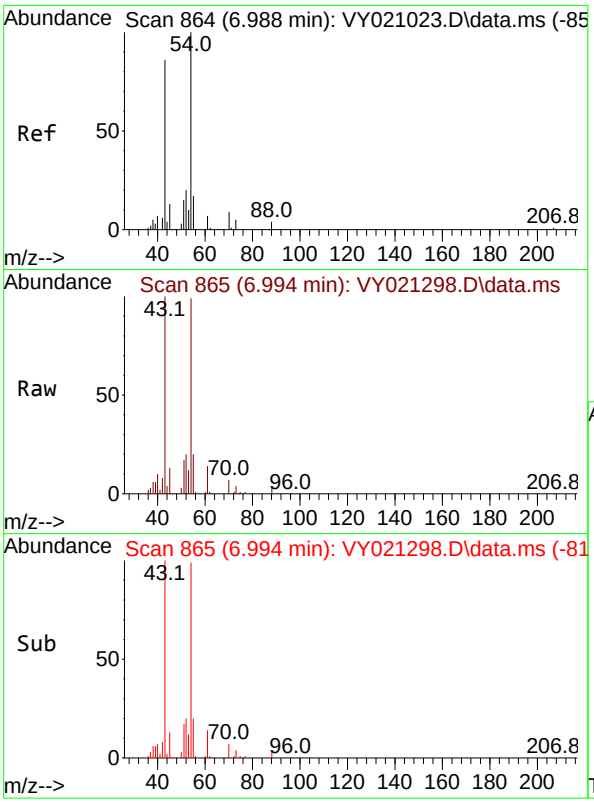




#36
1,1-Dichloropropene
Concen: 49.653 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 75 Resp: 94379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.3 | 17.4 | 52.3 |
| 77 | 30.8 | 24.7 | 37.1 |



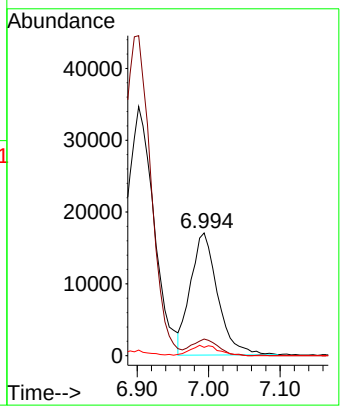


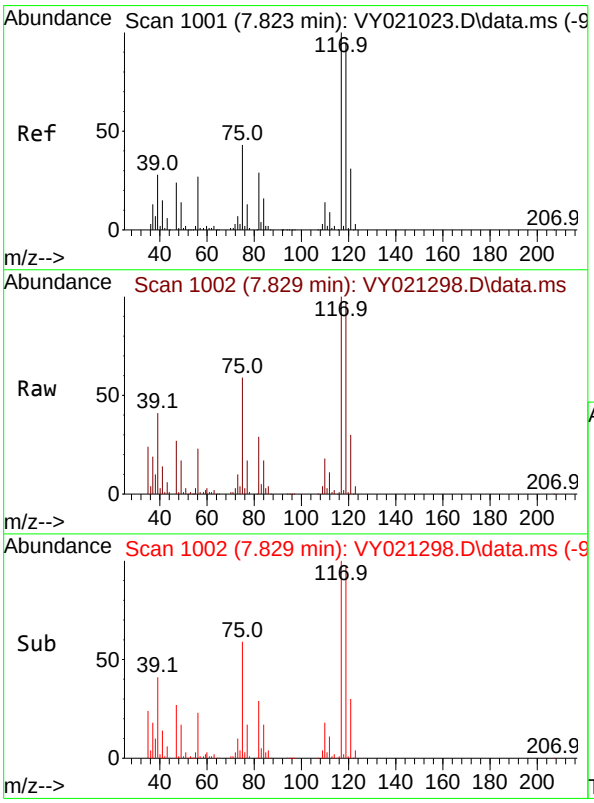

#37
Ethyl Acetate
Concen: 53.780 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 44845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 11.0 | 16.6 |
| 70 | 8.8 | 8.1 | 12.1 |

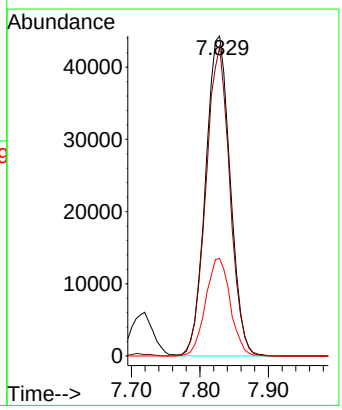


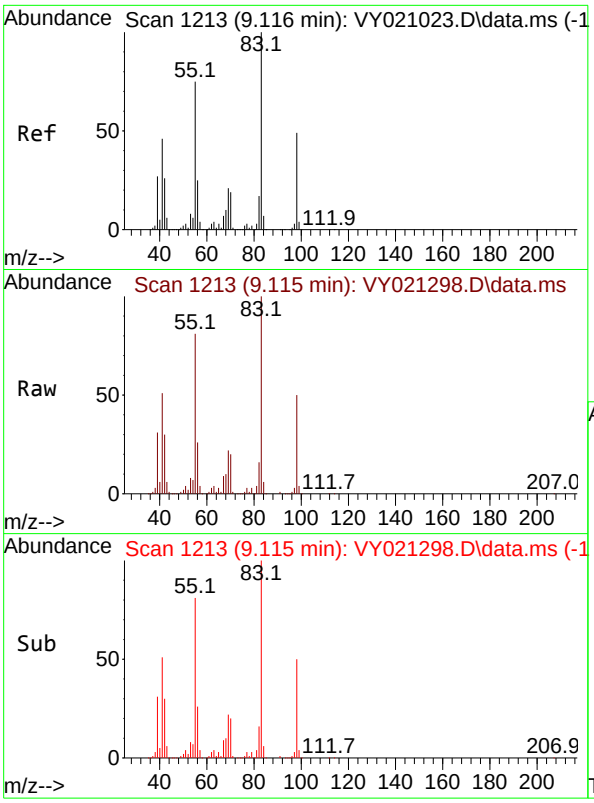




#38
Carbon Tetrachloride
Concen: 49.712 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:117 Resp: 110409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 76.0 | 114.0 |
| 121 | 30.4 | 24.2 | 36.2 |



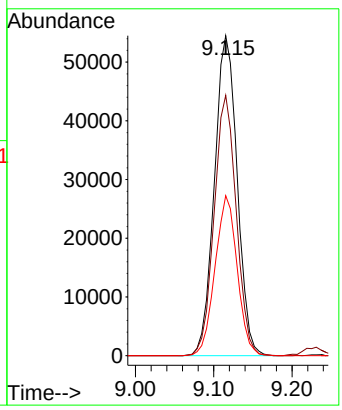


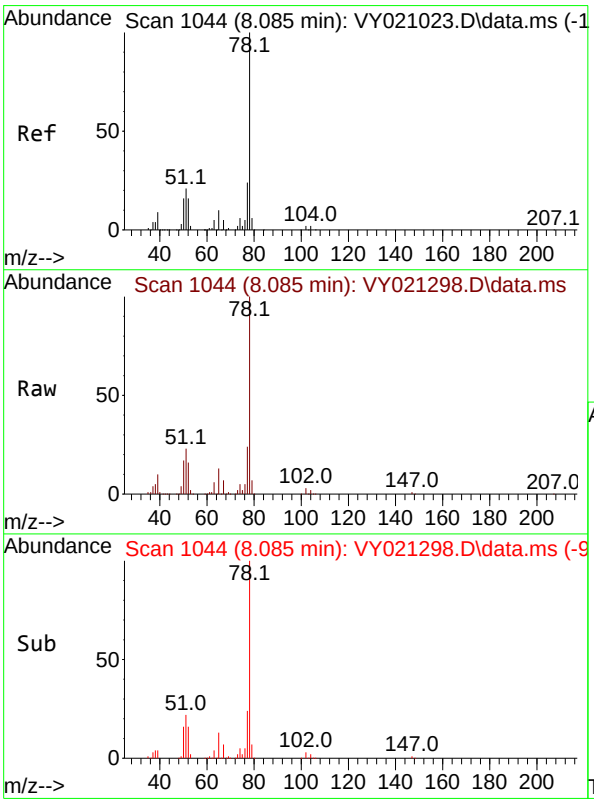

#39
Methylcyclohexane
Concen: 47.400 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 110205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.4 | 59.7 | 89.5 |
| 98 | 50.0 | 38.0 | 57.0 |

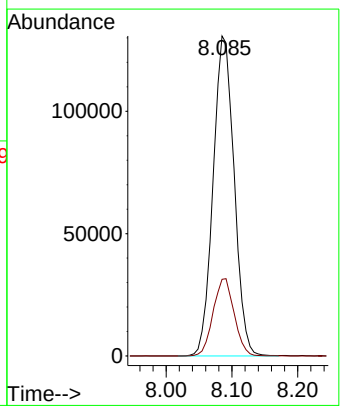


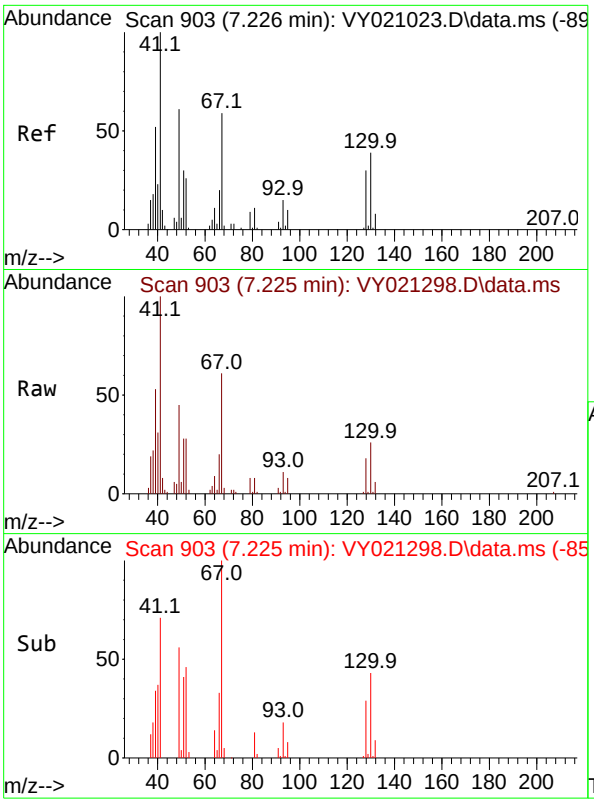




#40
Benzene
Concen: 52.236 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 78 Resp: 291377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 18.8 | 28.2 |



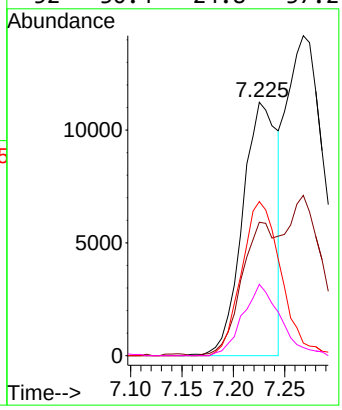


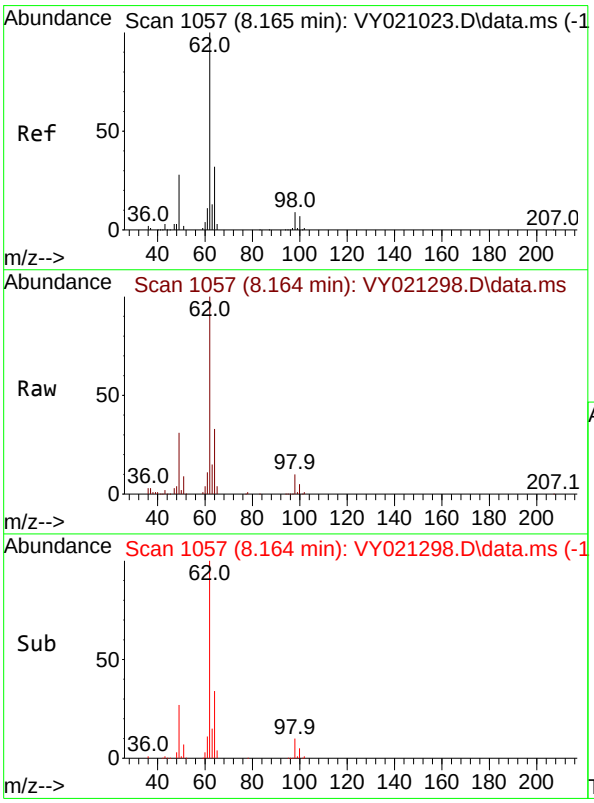

#41
Methacrylonitrile
Concen: 54.835 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 26453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.9 | 41.9 | 62.9 |
| 67 | 69.4 | 59.8 | 89.6 |
| 52 | 30.4 | 24.8 | 37.2 |

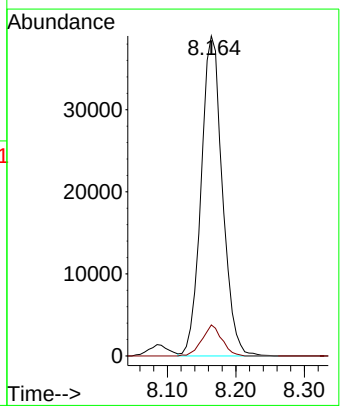


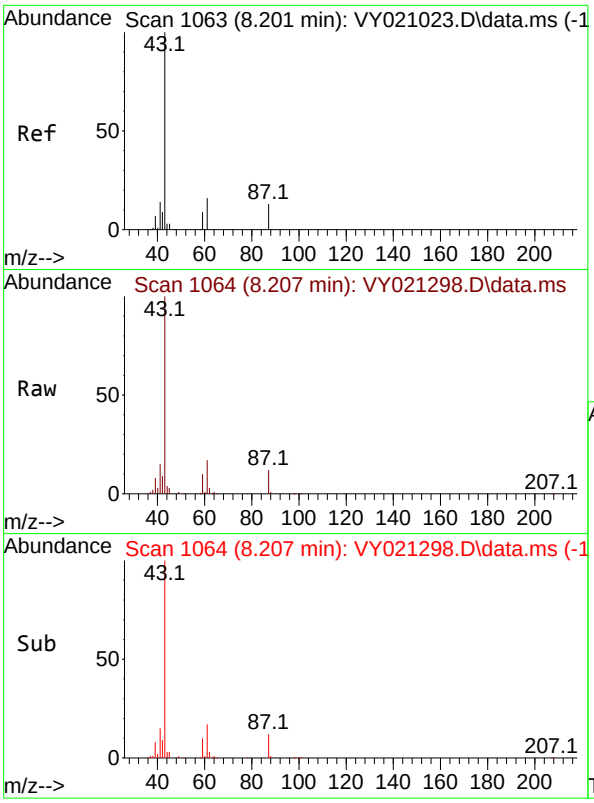




#42
1,2-Dichloroethane
Concen: 54.531 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 62 Resp: 84380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 20.2 |



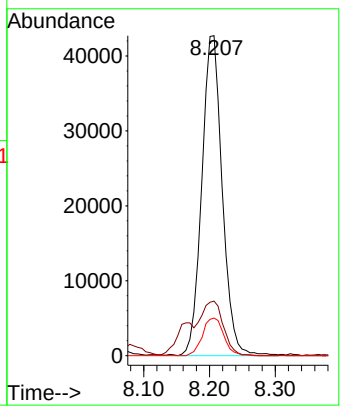


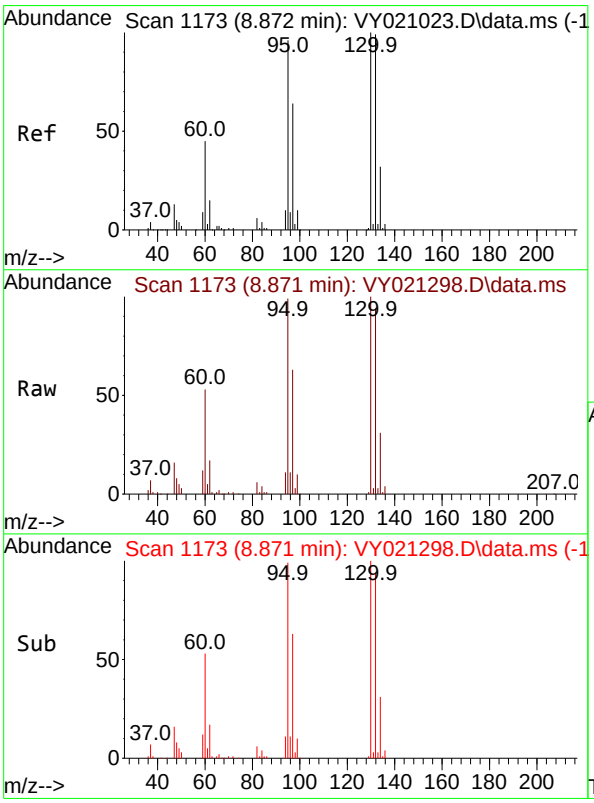

#43
Isopropyl Acetate
Concen: 55.868 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 92566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 24.8 | 37.2# |
| 87 | 12.2 | 10.7 | 16.1 |

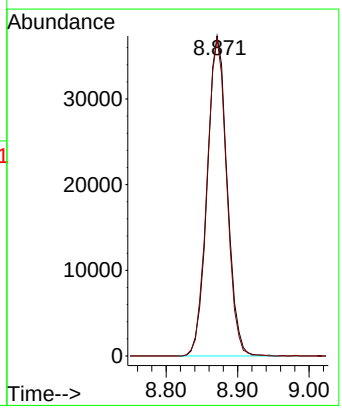


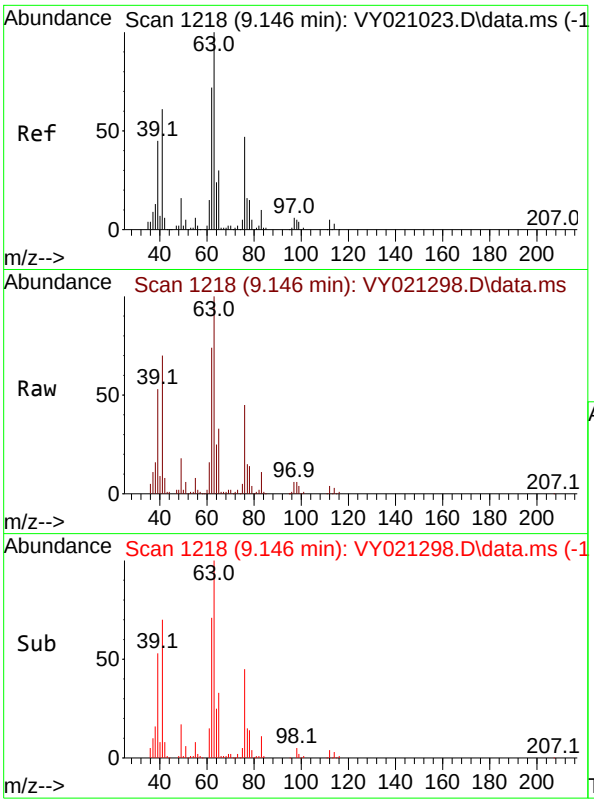




#44
Trichloroethene
Concen: 50.025 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:130 Resp: 72094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.0 | 0.0 | 203.8 |



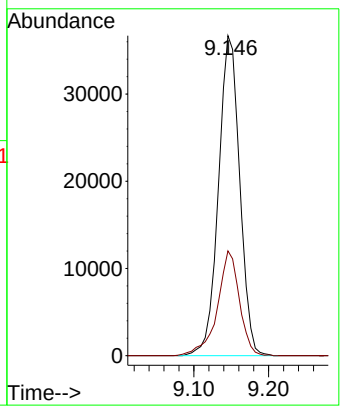


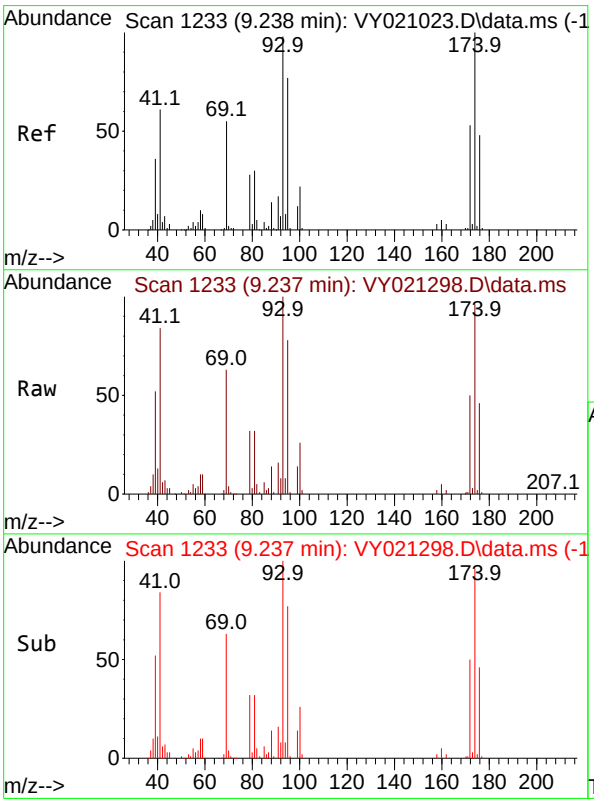

#45
1,2-Dichloropropane
Concen: 54.816 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 72574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.7 | 24.6 | 36.8 |

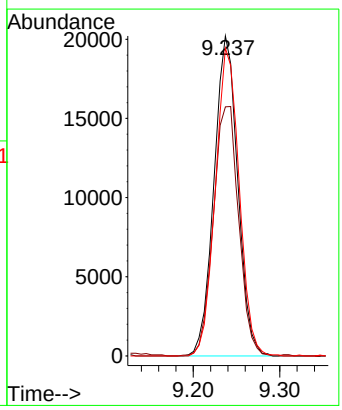


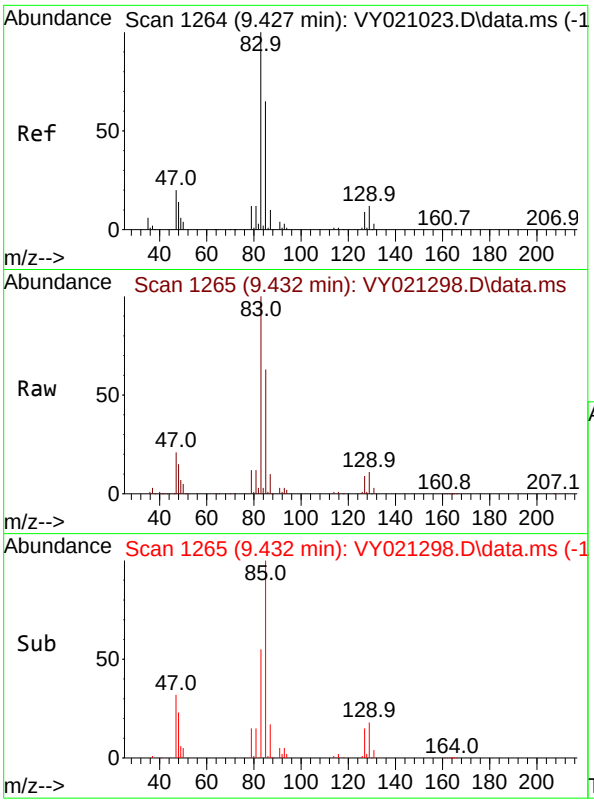




#46
Dibromomethane
Concen: 52.478 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 93 Resp: 38469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.1 | 66.6 | 99.8 |
| 174 | 96.5 | 73.8 | 110.6 |



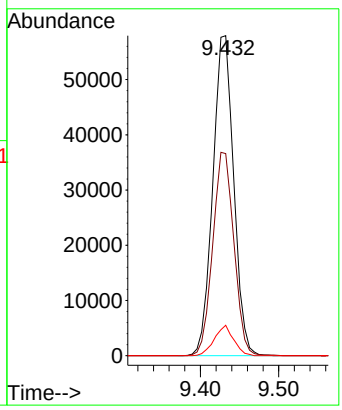


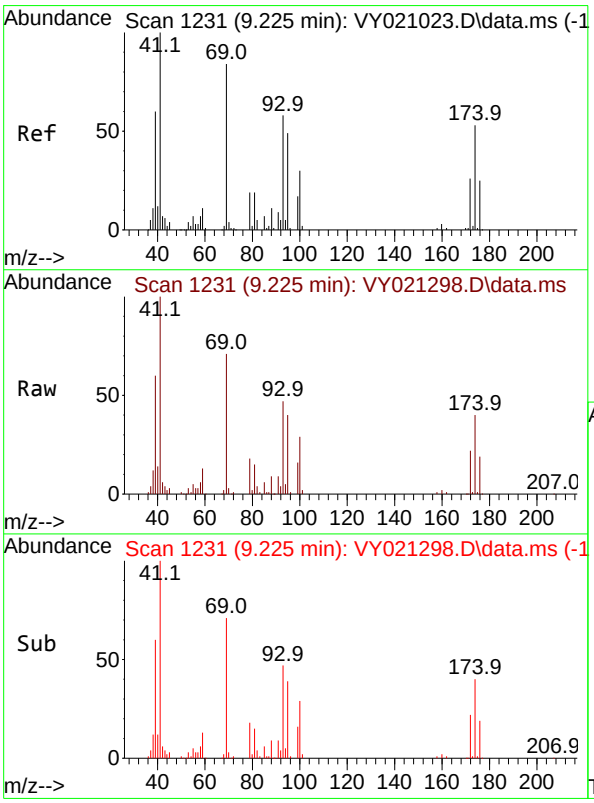

#47
Bromodichloromethane
Concen: 54.647 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 107436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 53.2 | 79.8 |
| 127 | 9.5 | 6.4 | 9.6 |

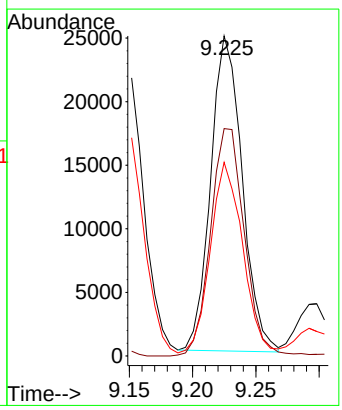


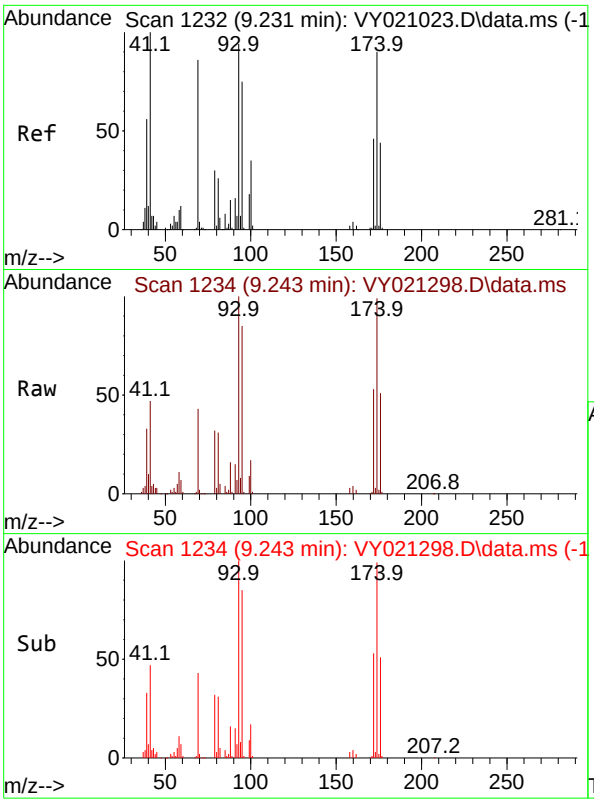




#48
Methyl methacrylate
Concen: 56.886 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 41 Resp: 42933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.8 | 72.1 | 108.1 |
| 39 | 61.9 | 42.8 | 64.2 |



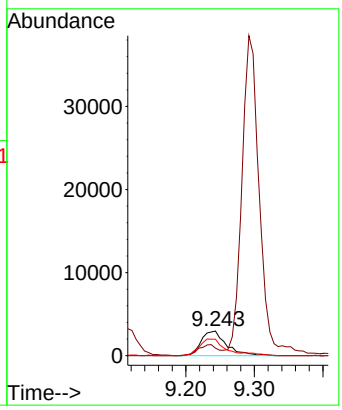


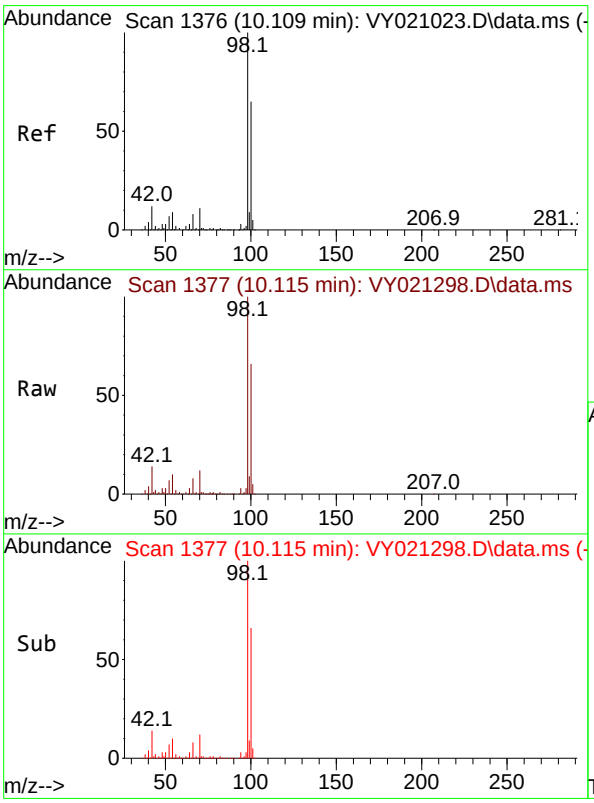

#49
1,4-Dioxane
Concen: 1109.293 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 7570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.1 | 28.2 | 42.4 |
| 58 | 73.6 | 52.2 | 78.2 |

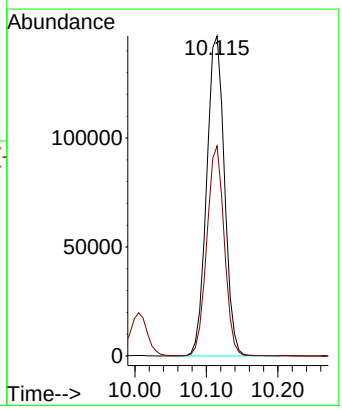


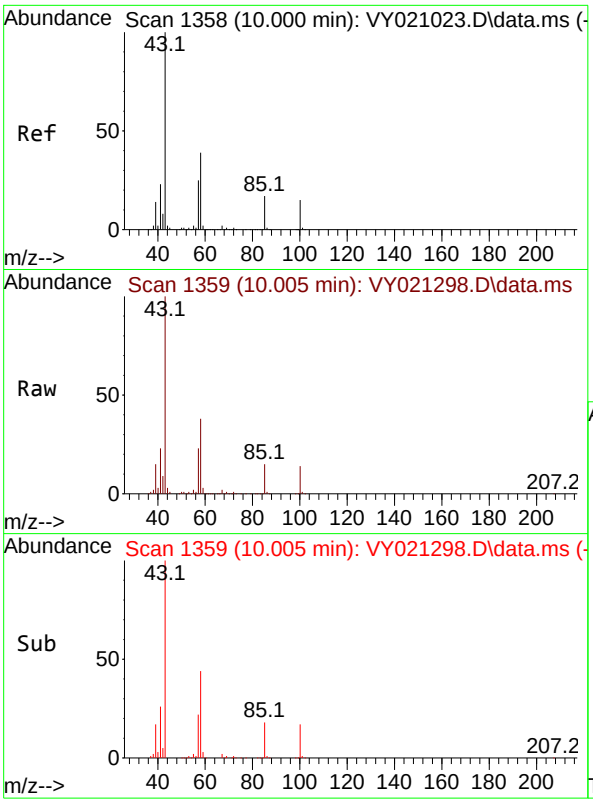




#50
Toluene-d8
Concen: 51.928 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 98 Resp: 253697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 52.3 | 78.5 |



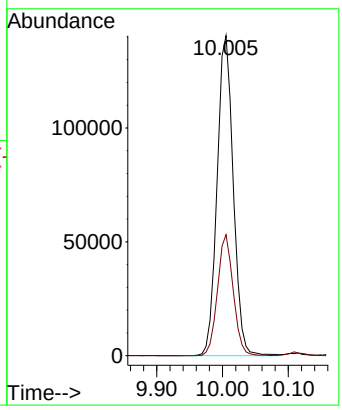


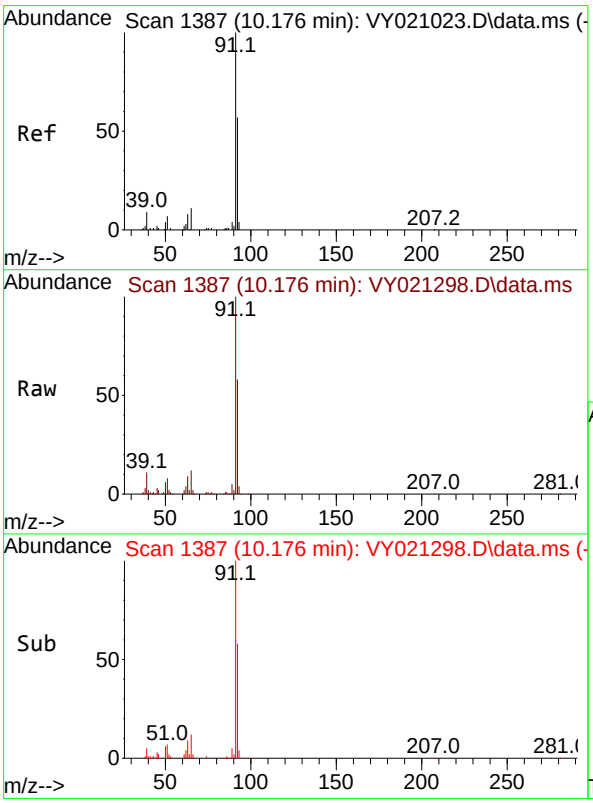

#51
4-Methyl-2-Pentanone
Concen: 288.857 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 240674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.8 | 32.2 | 48.2 |

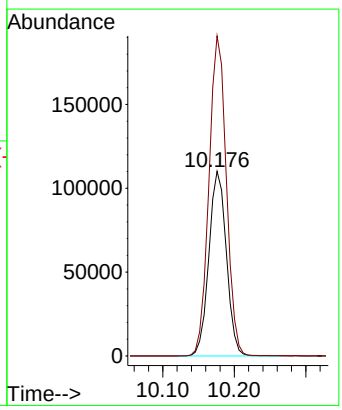


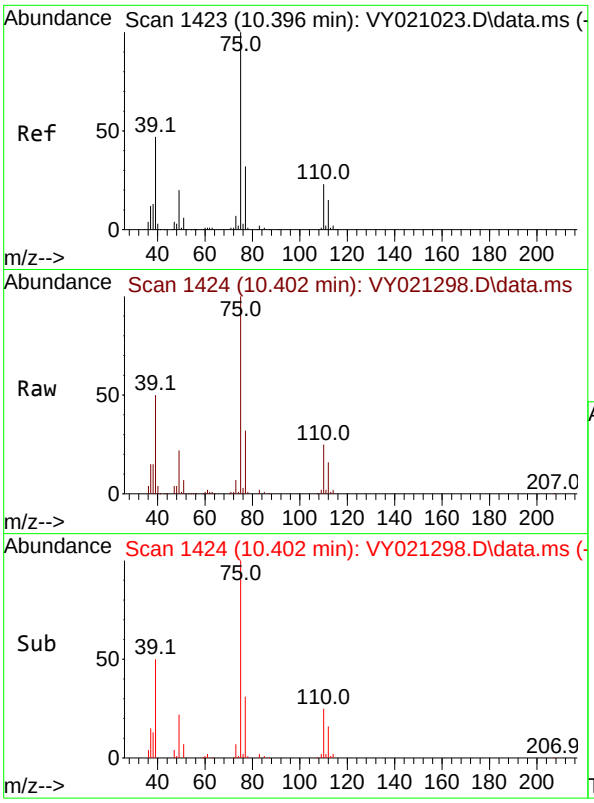




#52
Toluene
Concen: 53.357 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 92 Resp: 186882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 137.6 | 206.4 |



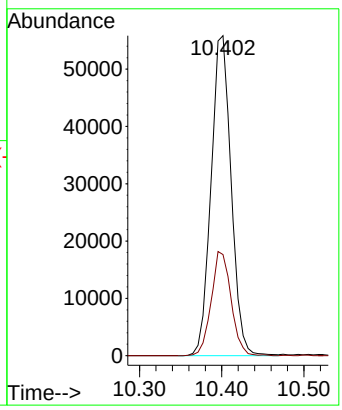


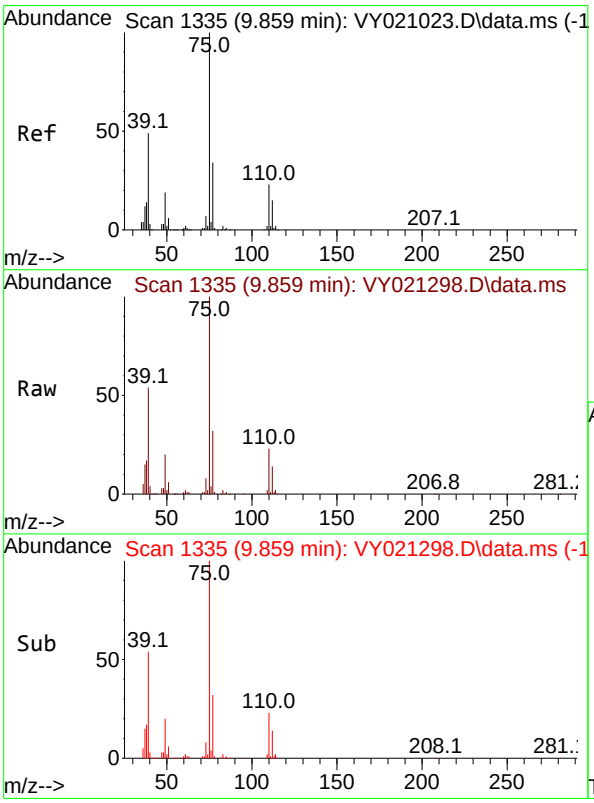

#53
t-1,3-Dichloropropene
Concen: 53.768 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 94918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 24.6 | 36.8 |

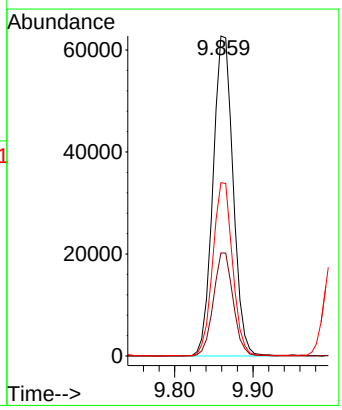


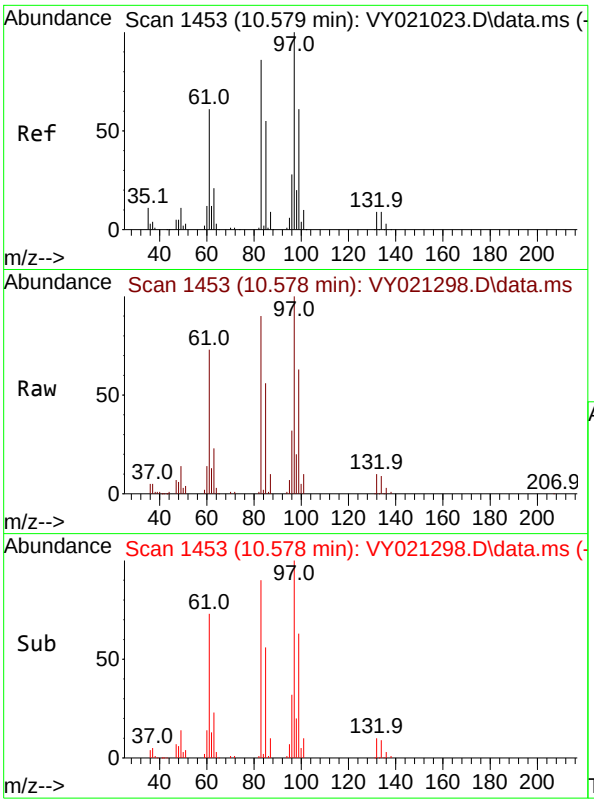




#54
cis-1,3-Dichloropropene
Concen: 53.589 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 75 Resp: 112011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 24.6 | 36.8 |
| 39 | 54.1 | 33.6 | 50.4# |



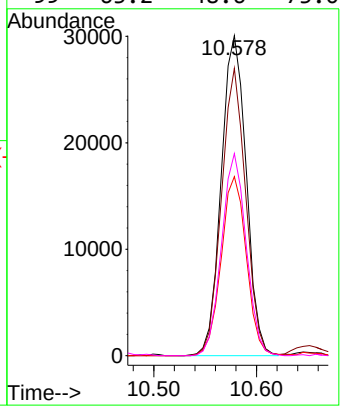


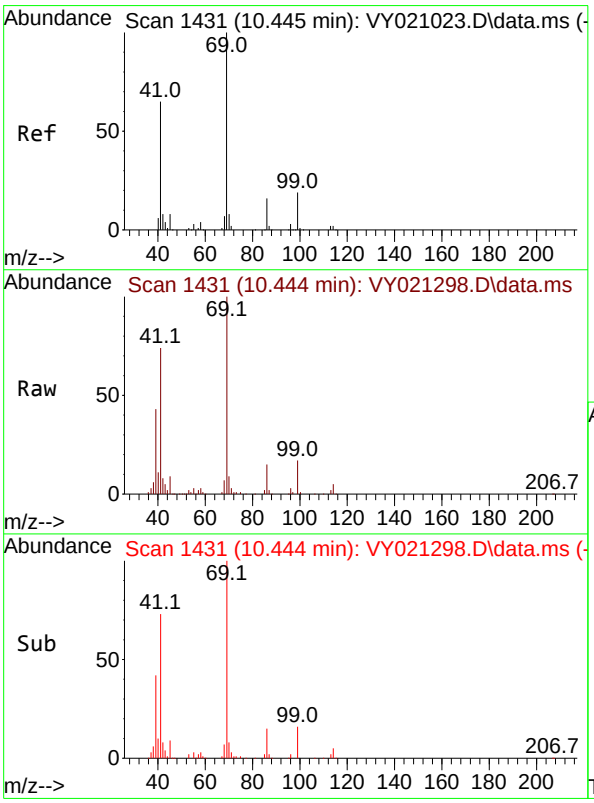

#55
1,1,2-Trichloroethane
Concen: 53.484 ug/l
RT: 10.578 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 50770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.8 | 69.4 | 104.2 |
| 85 | 56.0 | 43.9 | 65.9 |
| 99 | 63.2 | 48.6 | 73.0 |

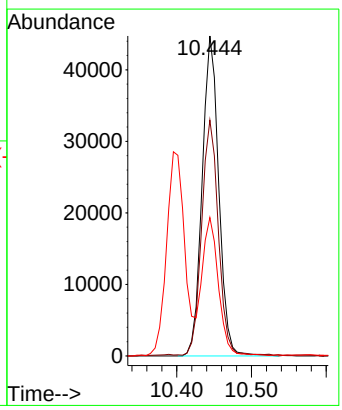


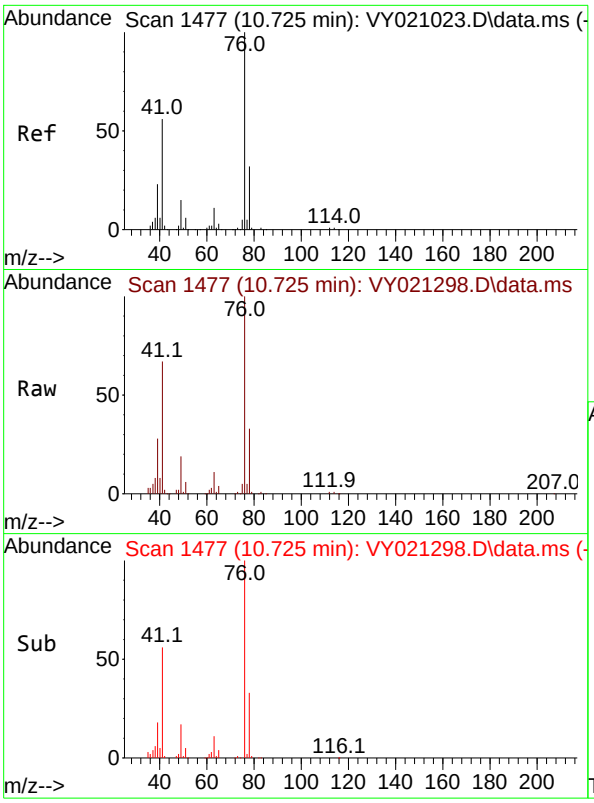




#56
Ethyl methacrylate
Concen: 54.350 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 69 Resp: 69019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 74.0 | 49.2 | 73.8# |
| 39 | 41.6 | 26.8 | 40.2# |



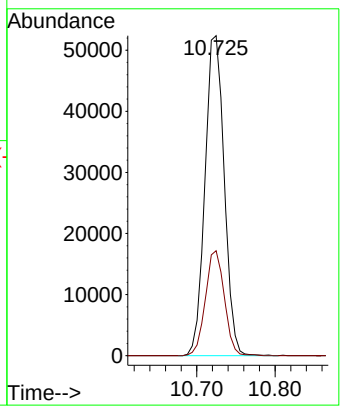


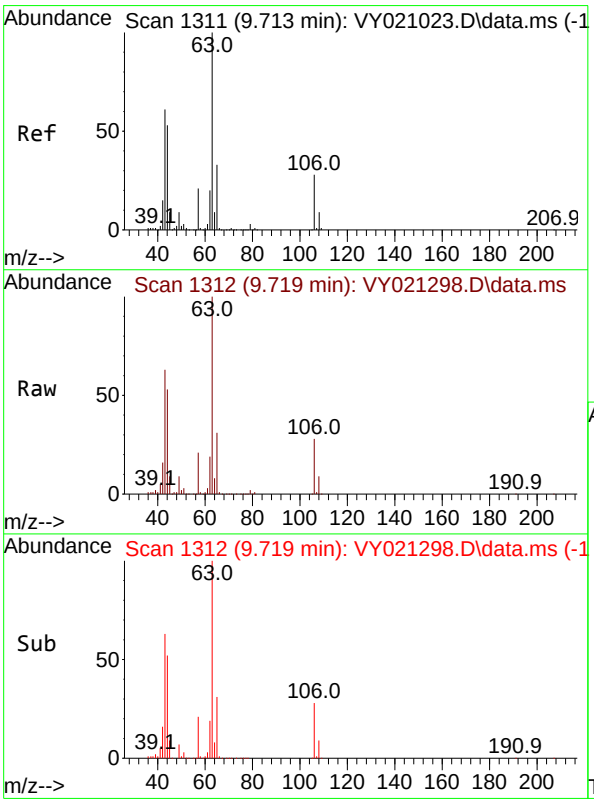

#57
1,3-Dichloropropane
Concen: 54.331 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 89268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 26.1 | 39.1 |

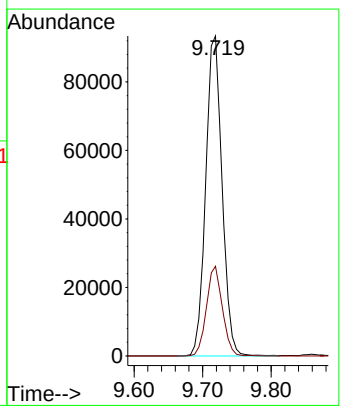


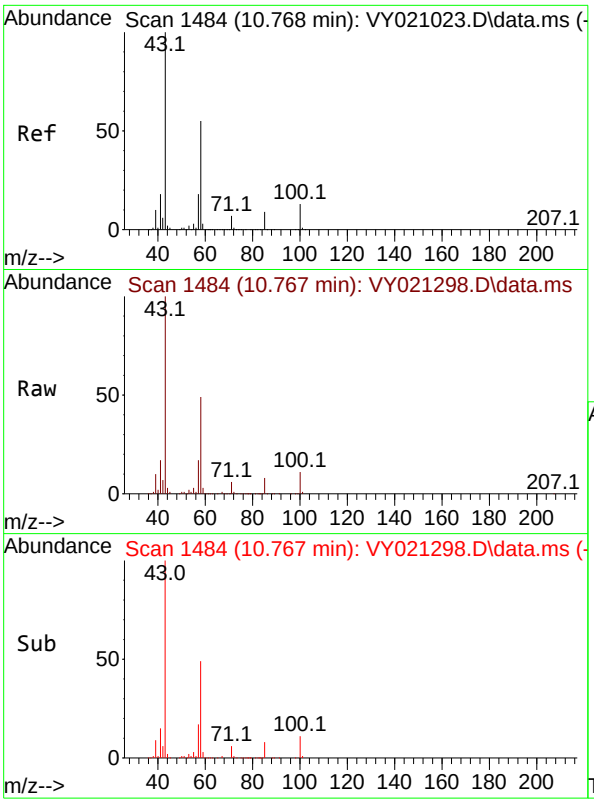




#58
2-Chloroethyl Vinyl ether
Concen: 256.535 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 63 Resp: 154985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.3 | 22.4 | 33.6 |



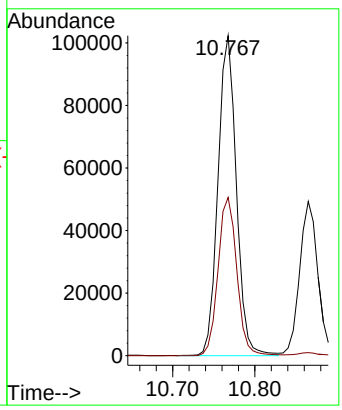


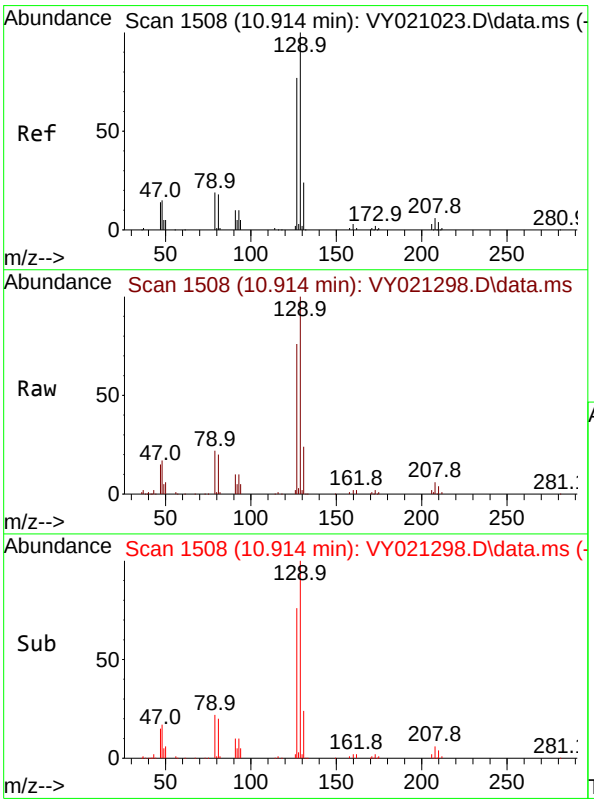

#59
2-Hexanone
Concen: 296.700 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 159168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.6 | 28.1 | 84.3 |

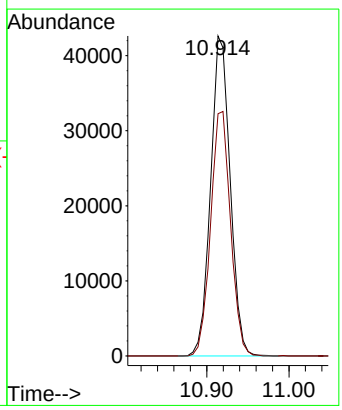


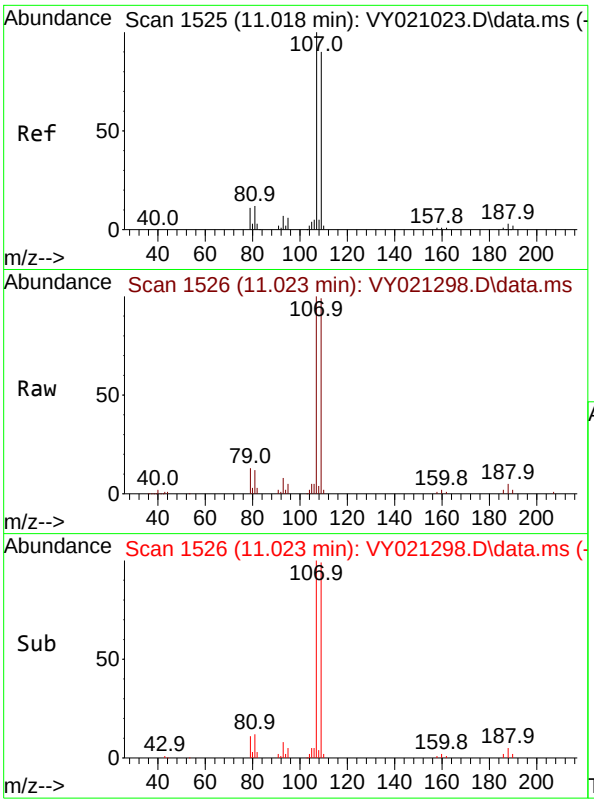




#60
Dibromochloromethane
Concen: 52.855 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:129 Resp: 70461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 39.2 | 117.6 |



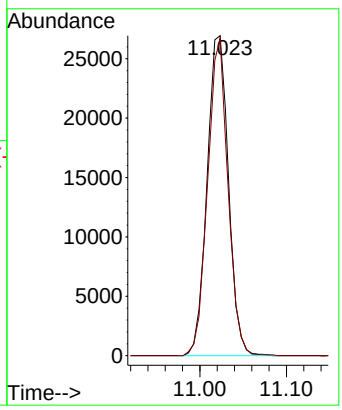


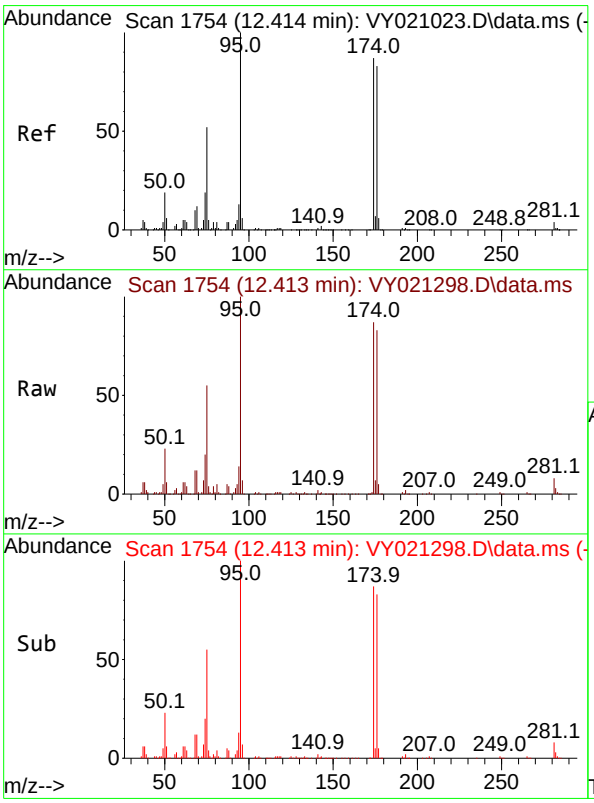

#61
1,2-Dibromoethane
Concen: 51.889 ug/l
RT: 11.023 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 46137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.3 | 75.4 | 113.2 |

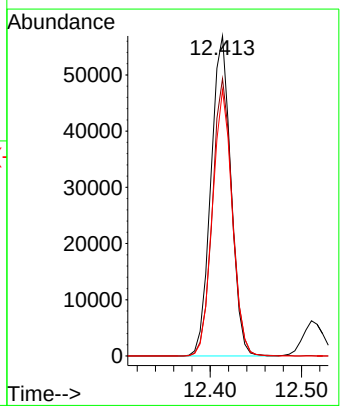


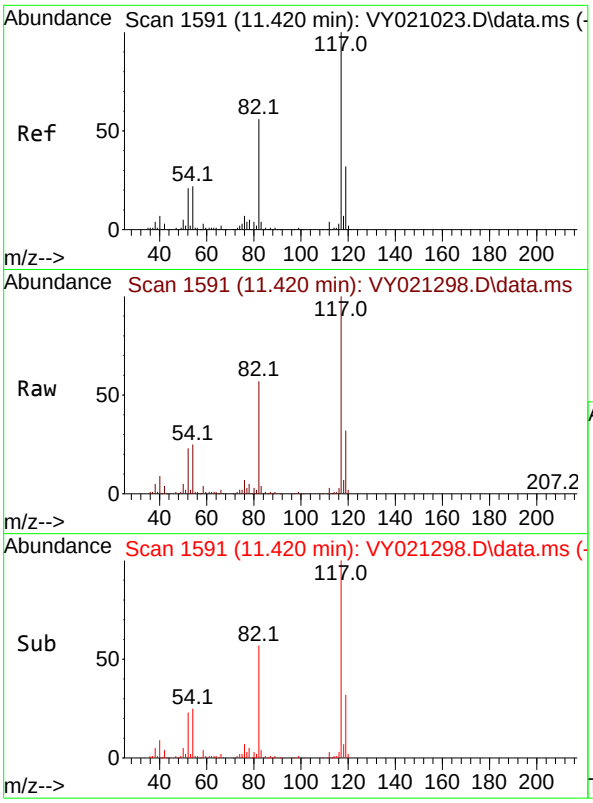




#62
4-Bromofluorobenzene
Concen: 54.149 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 95 Resp: 86427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.7 | 0.0 | 160.0 |
| 176 | 82.5 | 0.0 | 151.8 |



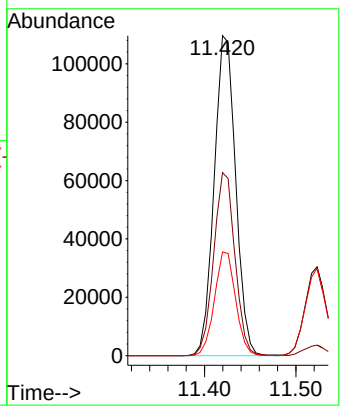


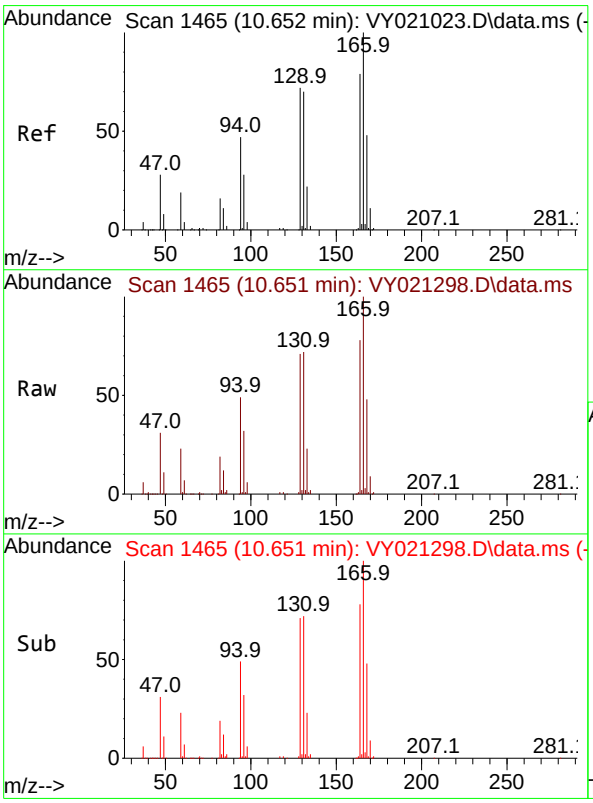

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 179395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.2 | 43.8 | 65.8 |
| 119 | 32.4 | 26.5 | 39.7 |

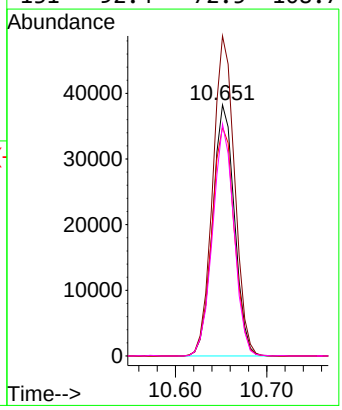


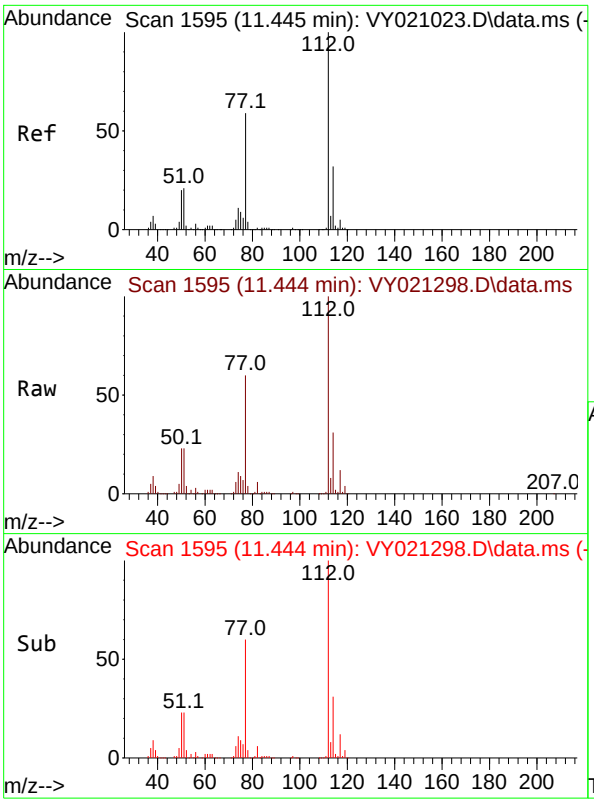




#64
Tetrachloroethene
Concen: 47.707 ug/l
RT: 10.651 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:164 Resp: 63533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.5 | 98.8 | 148.2 |
| 129 | 91.1 | 78.9 | 118.3 |
| 131 | 92.4 | 72.5 | 108.7 |



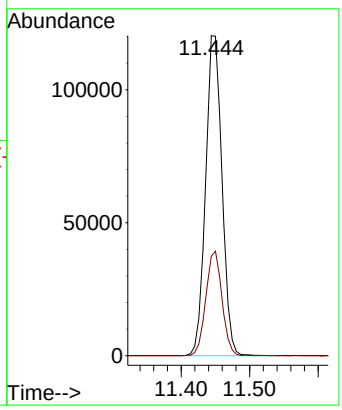


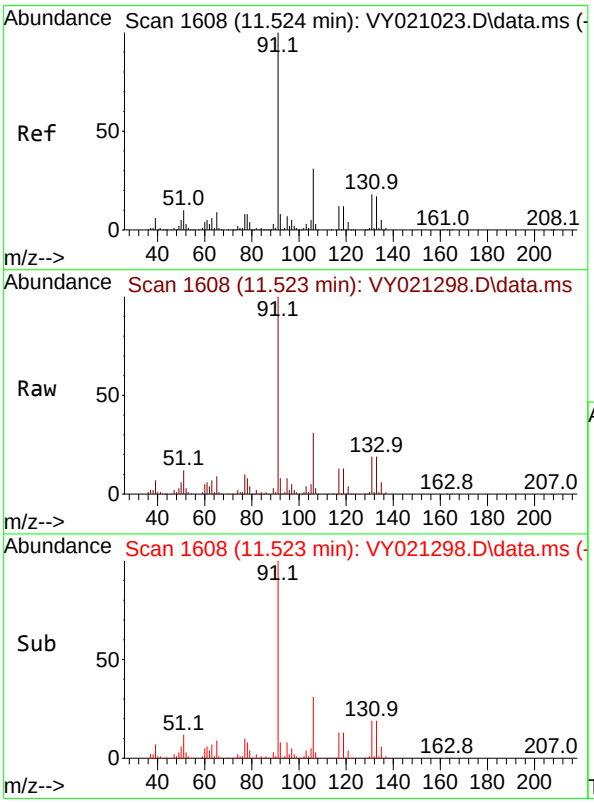

#65
Chlorobenzene
Concen: 50.154 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 200342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.1 | 26.1 | 39.1 |

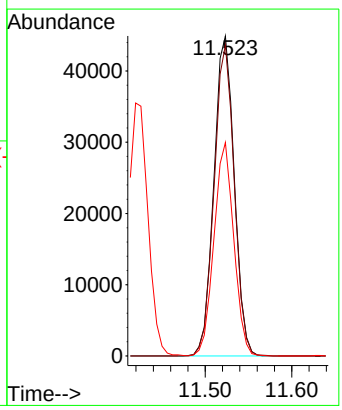


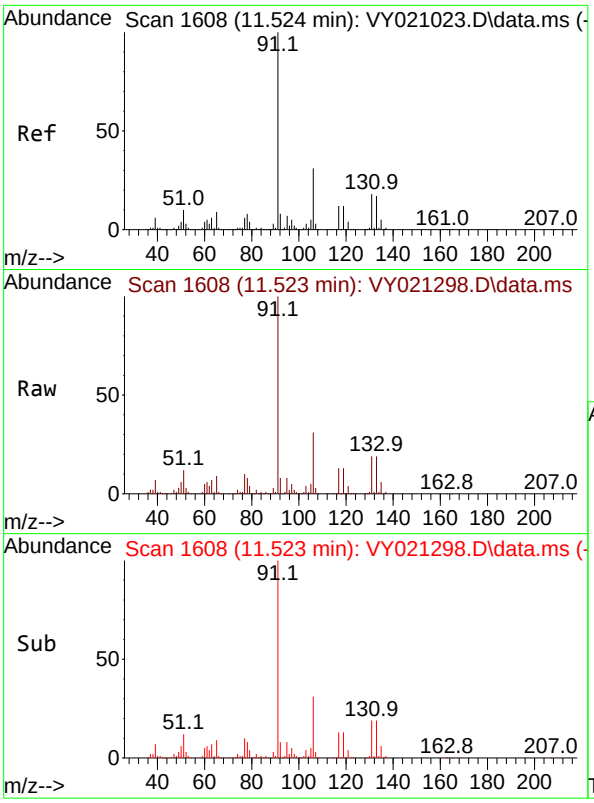




#66
1,1,1,2-Tetrachloroethane
Concen: 51.667 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:131 Resp: 73344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.0 | 47.0 | 141.0 |
| 119 | 64.9 | 33.3 | 99.9 |



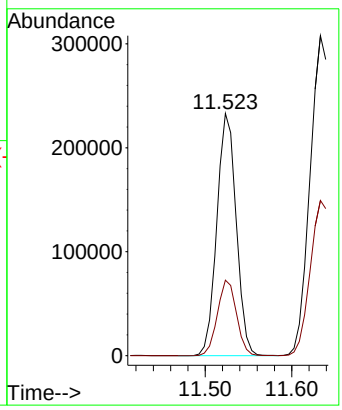


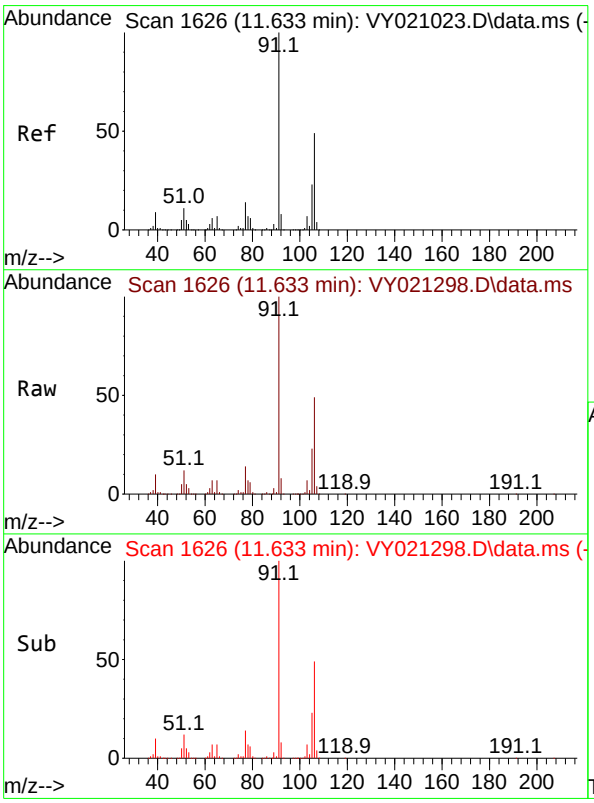

#67
Ethyl Benzene
Concen: 51.210 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 361813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.2 | 25.0 | 37.4 |

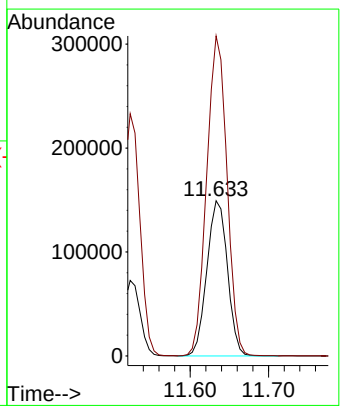


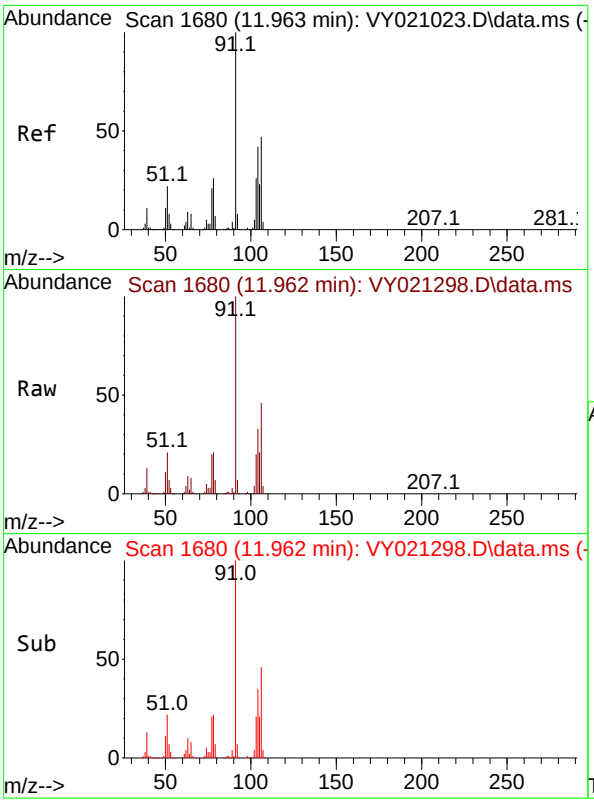




#68
m/p-Xylenes
Concen: 102.873 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:106 Resp: 271905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.9 | 160.7 | 241.1 |



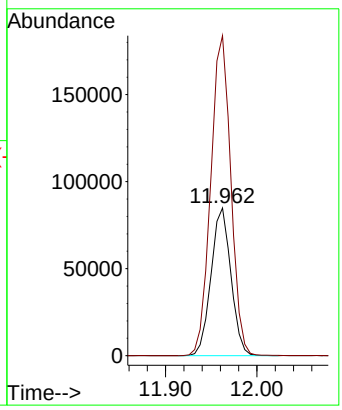


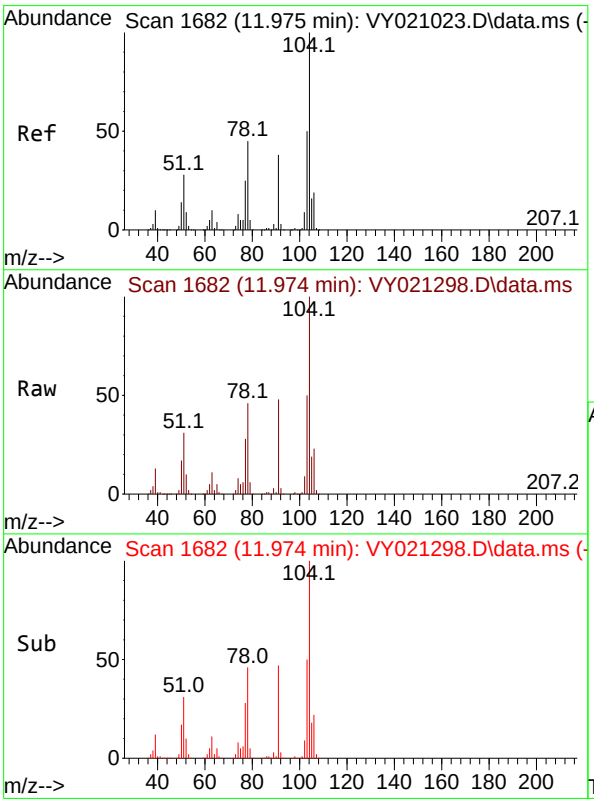

#69
o-Xylene
Concen: 52.018 ug/l
RT: 11.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 128186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.3 | 106.5 | 319.5 |

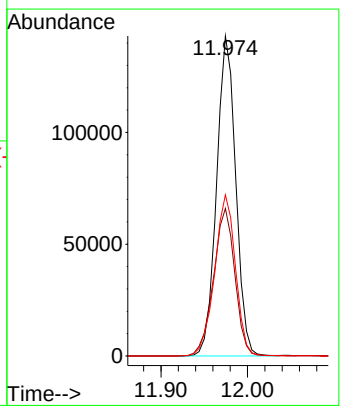


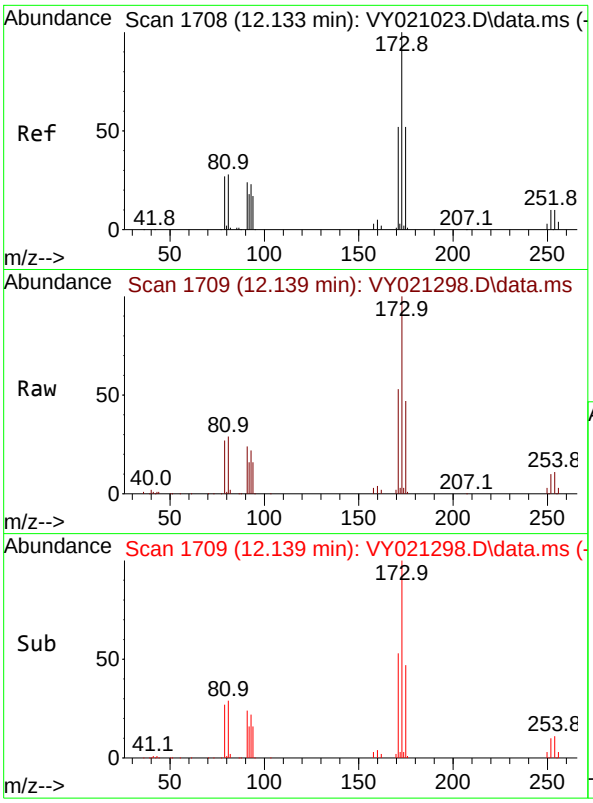




#70
Styrene
Concen: 53.599 ug/l
RT: 11.974 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:104 Resp: 220140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.3 | 39.2 | 58.8 |
| 103 | 54.7 | 43.8 | 65.6 |



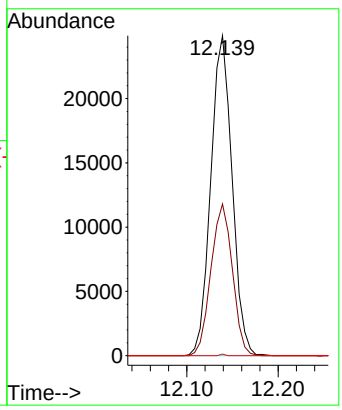


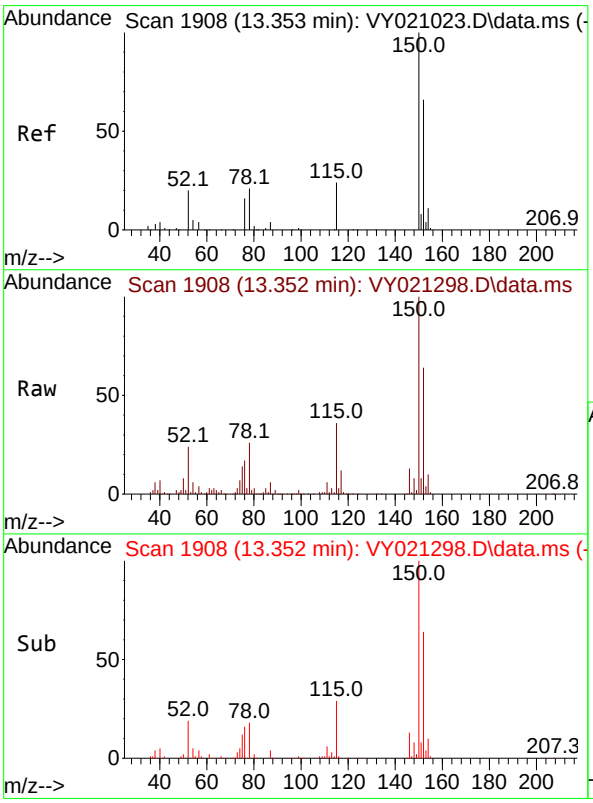

#71
Bromoform
Concen: 50.984 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 40285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.6 | 23.5 | 70.6 |
| 254 | 0.1 | 0.0 | 0.0# |

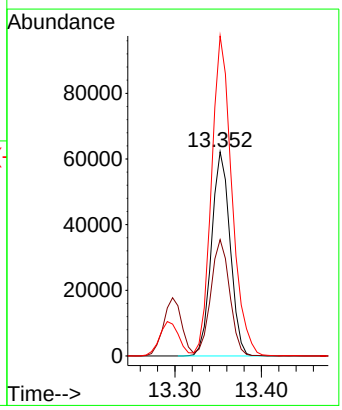


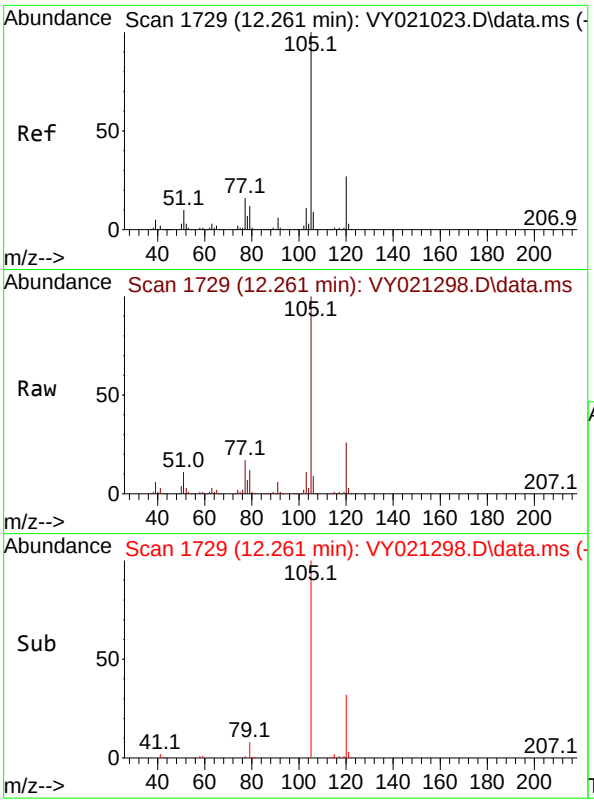




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:152 Resp: 92699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.8 | 30.0 | 90.0 |
| 150 | 171.5 | 0.0 | 344.6 |



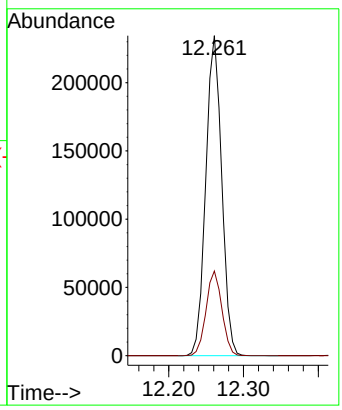


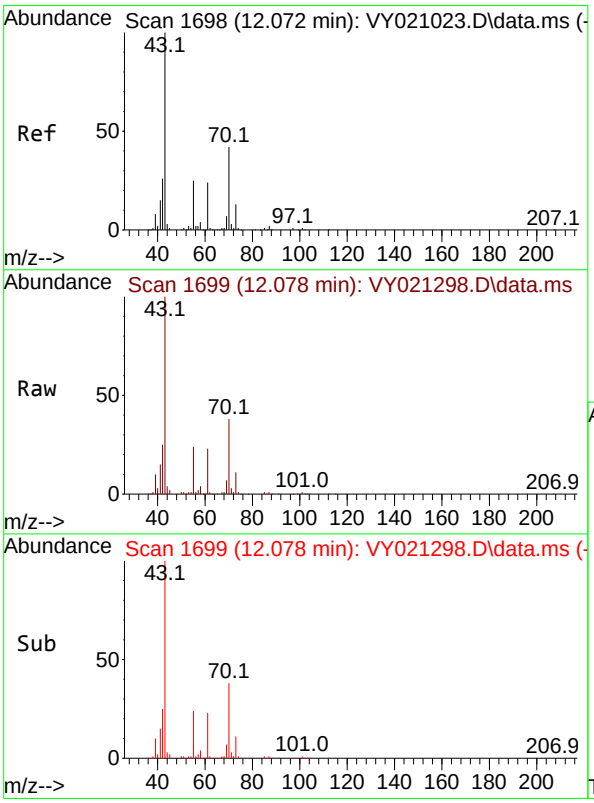

#73
Isopropylbenzene
Concen: 47.897 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 346825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.0 | 39.0 |

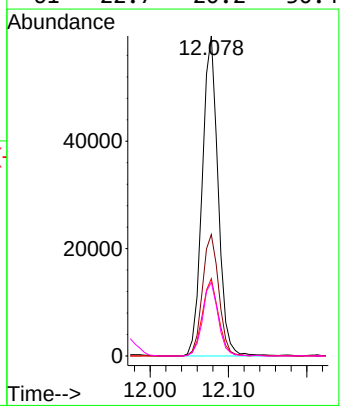


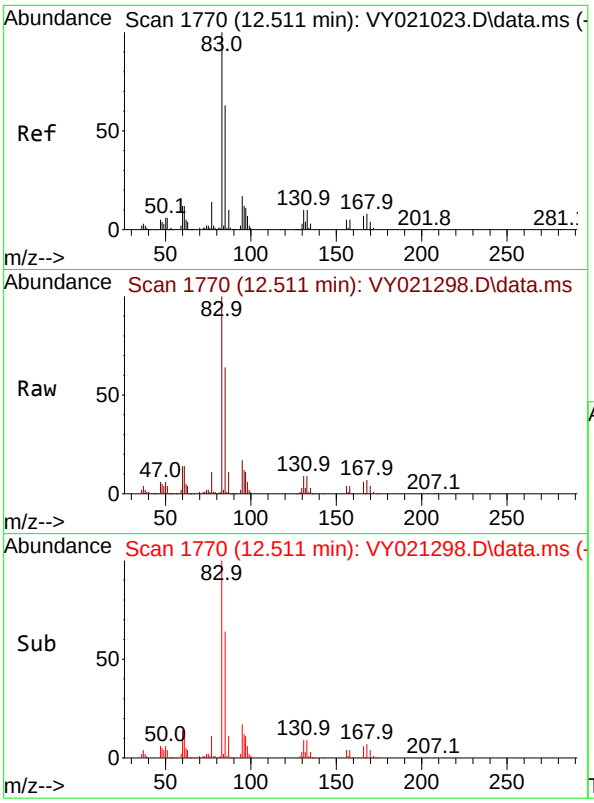




#74
N-amyl acetate
Concen: 52.822 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 43 Resp: 83623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.2 | 36.6 | 55.0 |
| 55 | 24.5 | 22.2 | 33.4 |
| 61 | 22.7 | 20.2 | 30.4 |



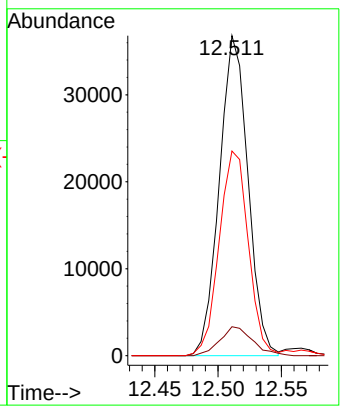


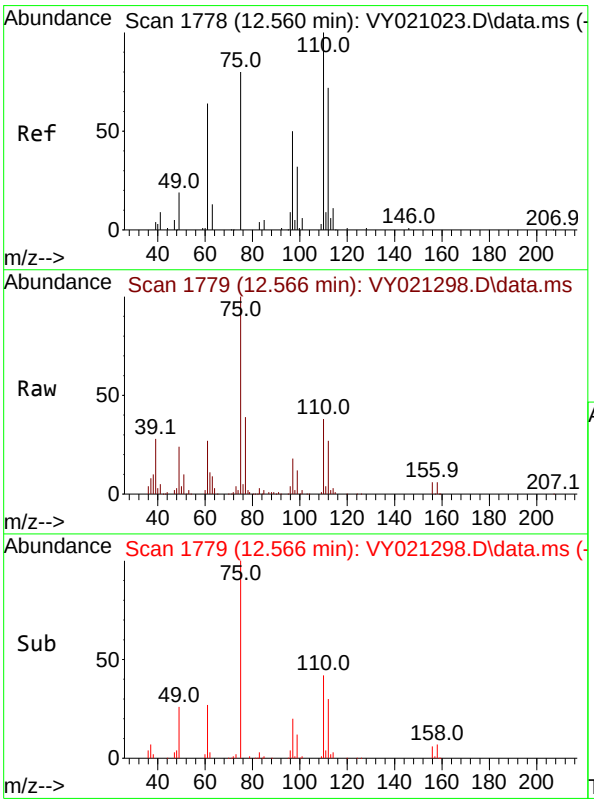

#75
1,1,2,2-Tetrachloroethane
Concen: 48.050 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 57866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 4.9 | 14.6 |
| 85 | 65.1 | 32.6 | 98.0 |

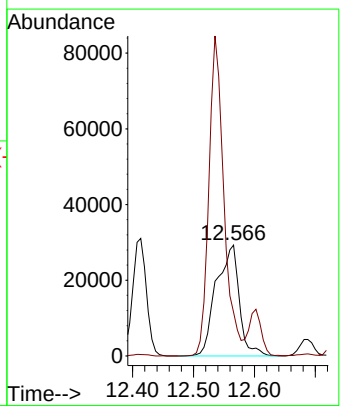


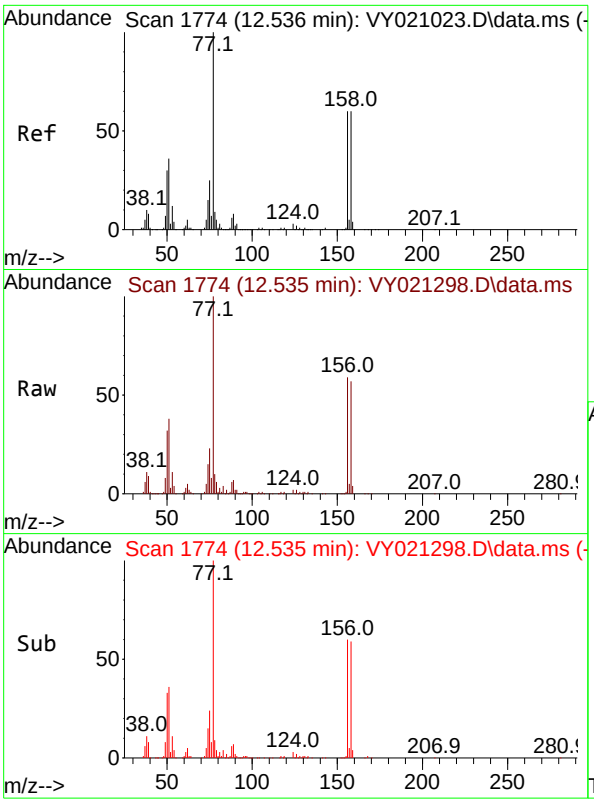




#76
1,2,3-Trichloropropane
Concen: 91.424 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 75 Resp: 76878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



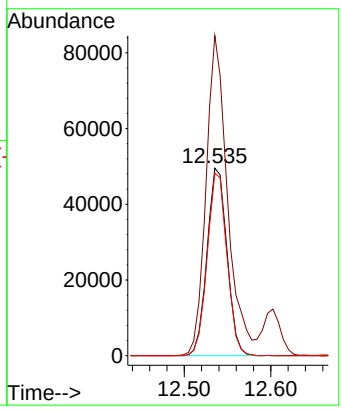


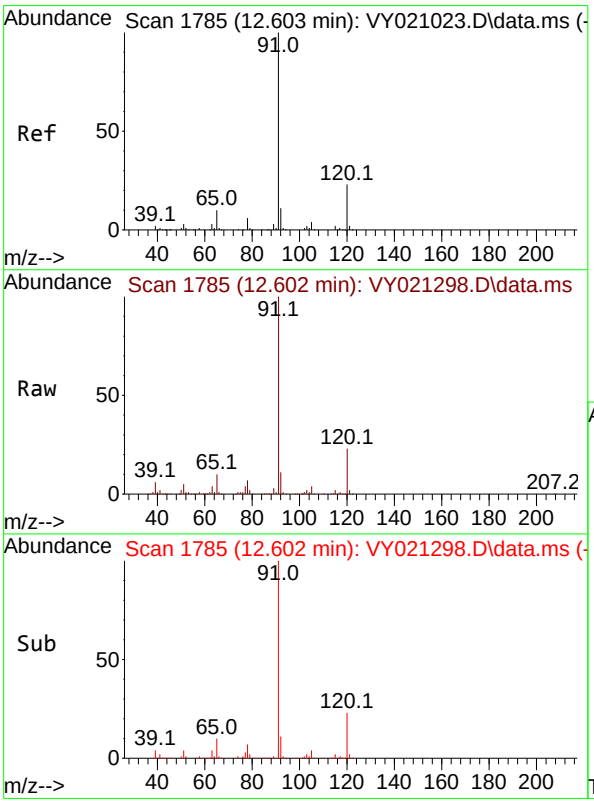

#77
Bromobenzene
Concen: 47.390 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 79189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 183.0 | 97.3 | 291.8 |
| 158 | 96.4 | 48.4 | 145.0 |

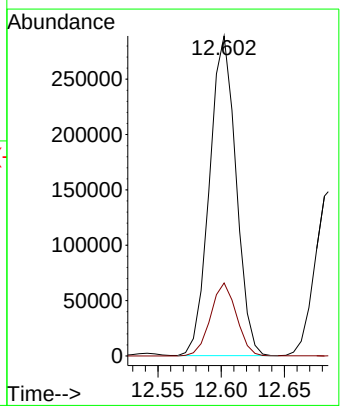


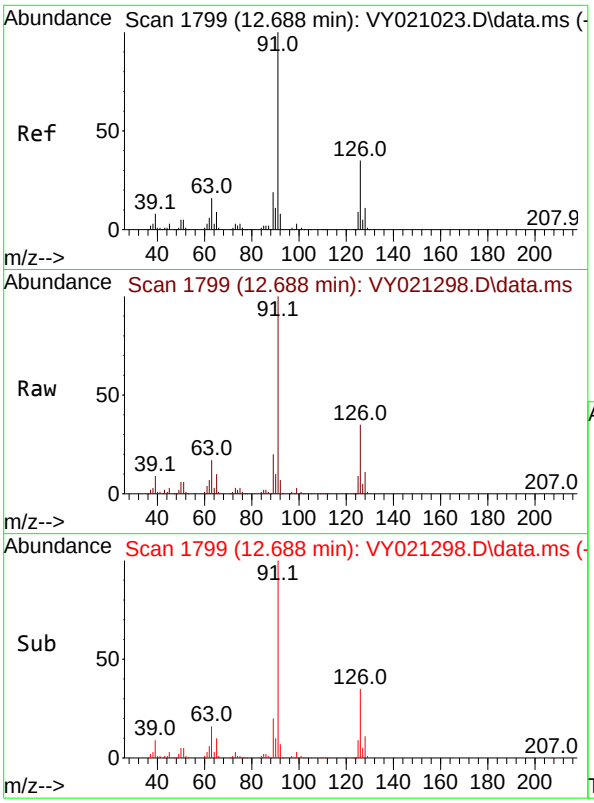




#78
n-propylbenzene
Concen: 48.809 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 91 Resp: 421016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.0 | 33.0 |



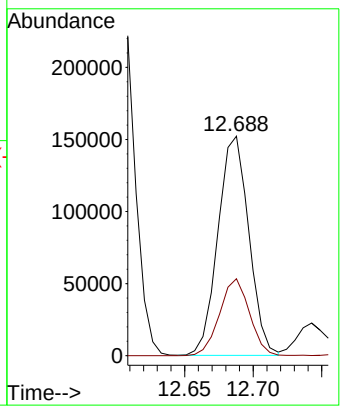


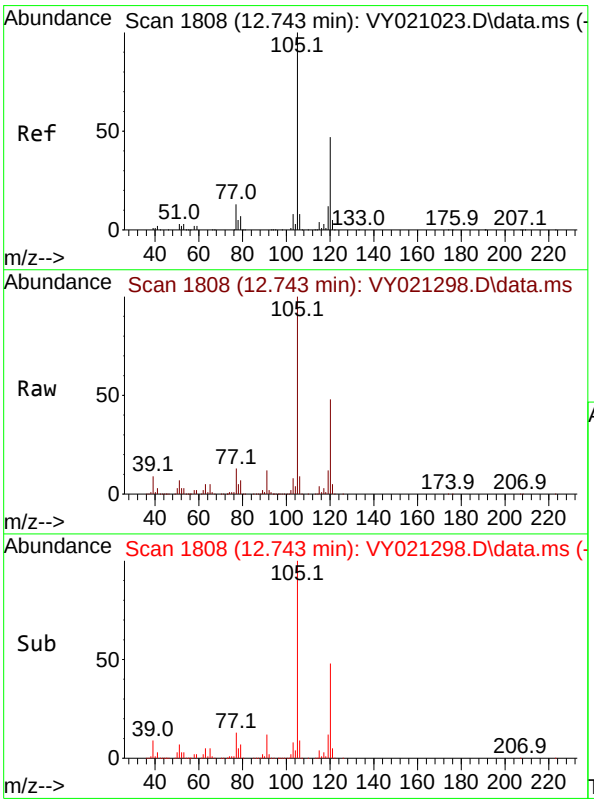

#79
2-Chlorotoluene
Concen: 48.301 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 238624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 17.0 | 51.0 |

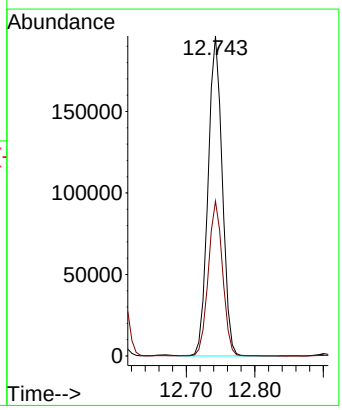


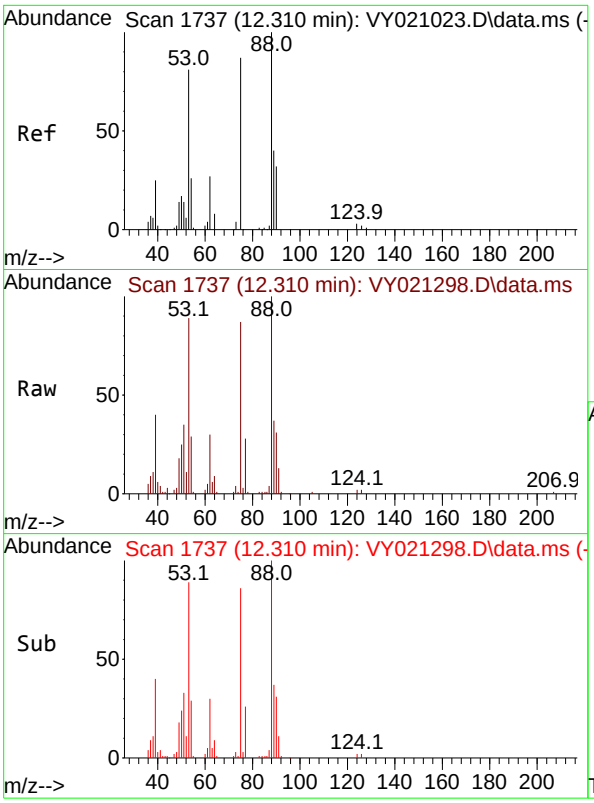




#80
1,3,5-Trimethylbenzene
Concen: 48.192 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:105 Resp: 282926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 24.3 | 72.8 |



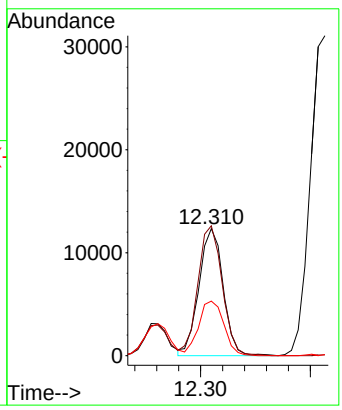


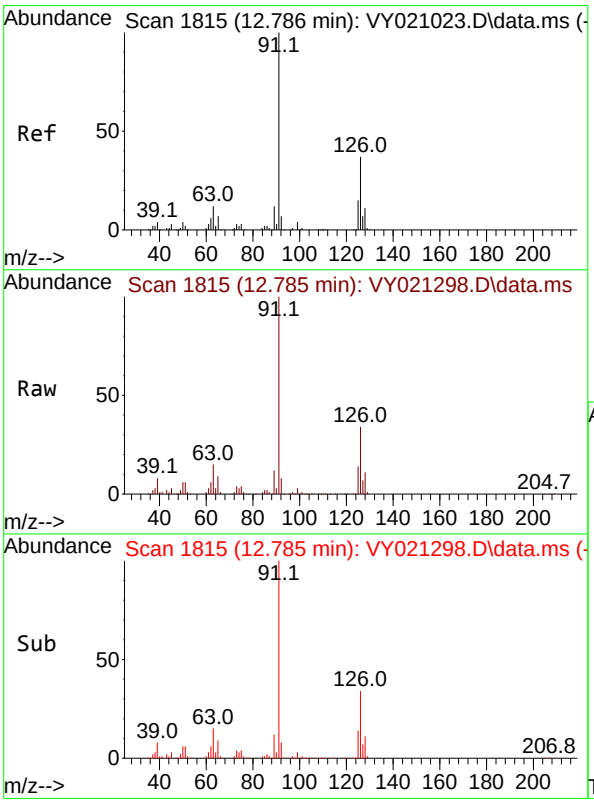

#81
trans-1,4-Dichloro-2-butene
Concen: 45.910 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 18920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.3 | 74.0 | 111.0 |
| 89 | 44.6 | 36.5 | 54.7 |

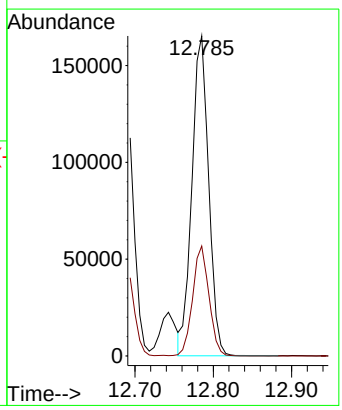


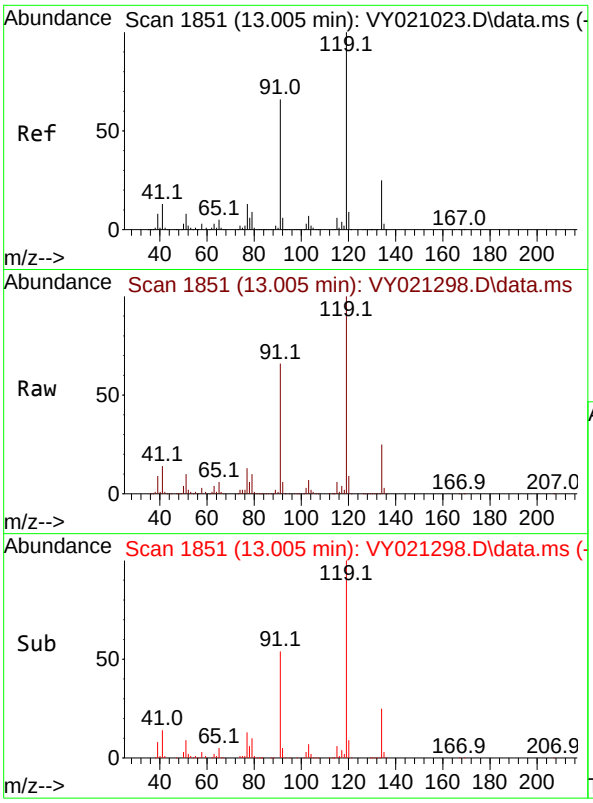




#82
4-Chlorotoluene
Concen: 48.800 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 91 Resp: 245636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 17.1 | 51.2 |



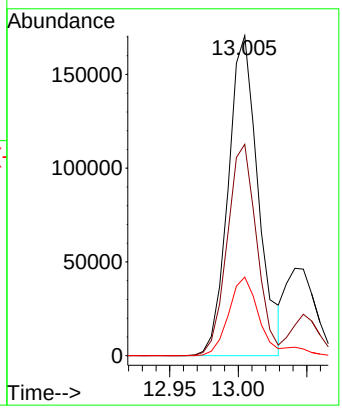


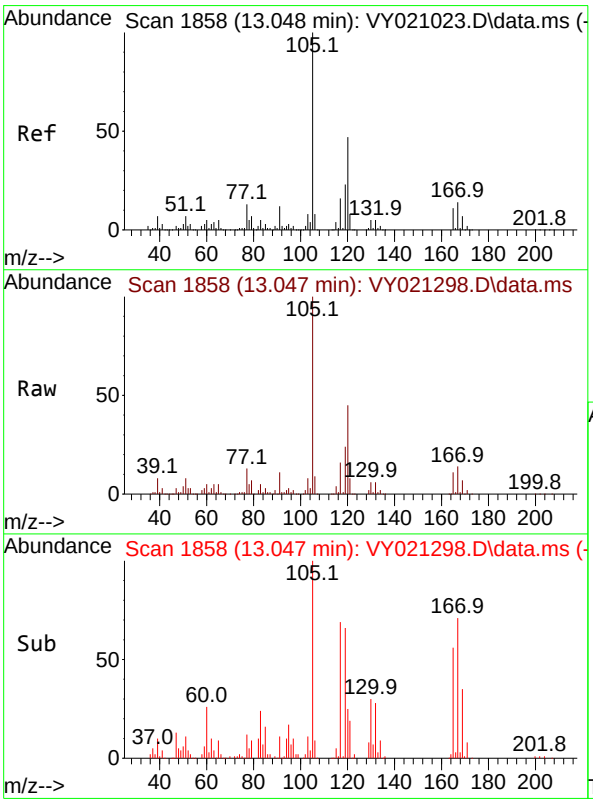

#83
tert-Butylbenzene
Concen: 48.787 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 260345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.7 | 31.5 | 94.5 |
| 134 | 26.2 | 13.1 | 39.3 |

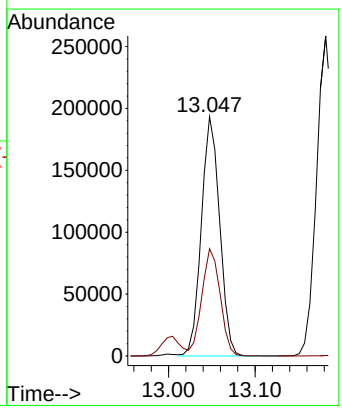


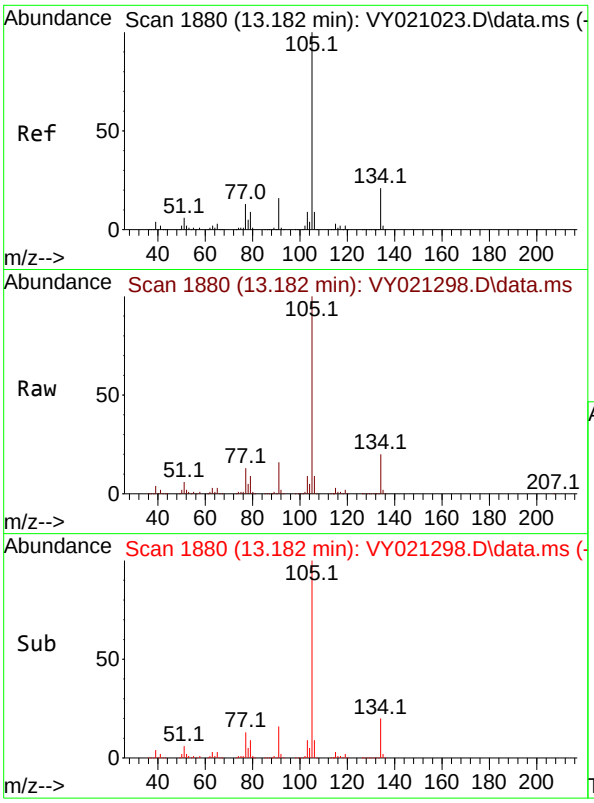




#84
1,2,4-Trimethylbenzene
Concen: 49.493 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:105 Resp: 284109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 22.1 | 66.3 |



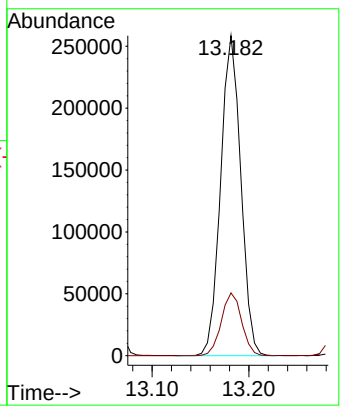


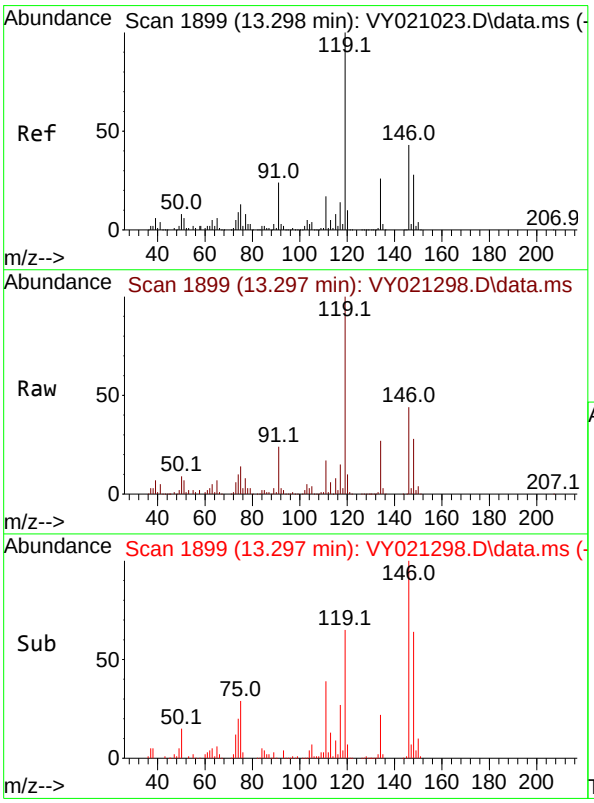

#85
sec-Butylbenzene
Concen: 48.640 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 373628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.7 | 28.9 |

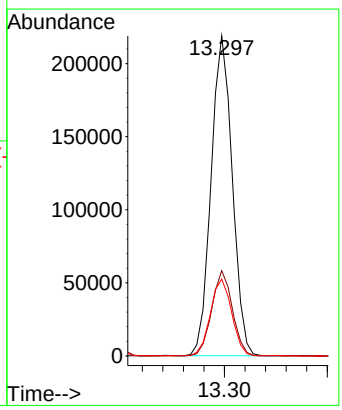


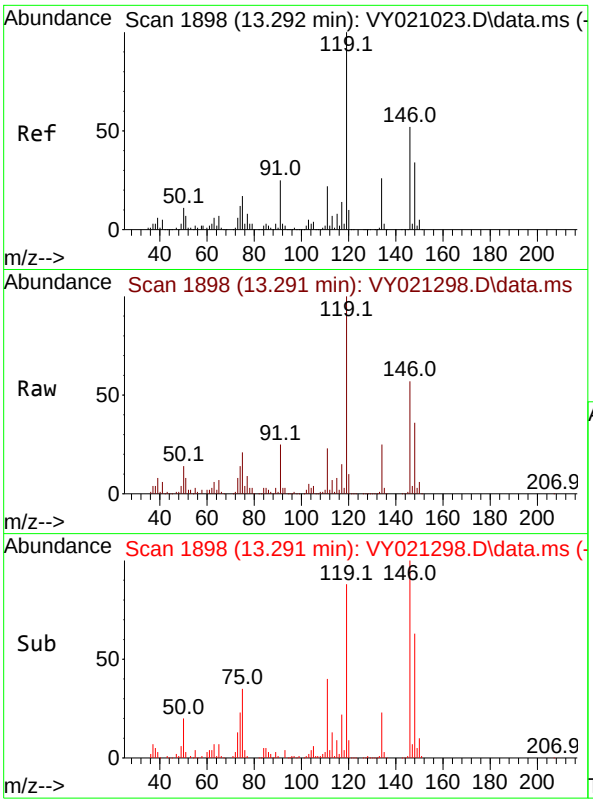




#86
p-Isopropyltoluene
Concen: 49.066 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:119 Resp: 313085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 13.1 | 39.1 |
| 91 | 24.1 | 11.7 | 35.0 |



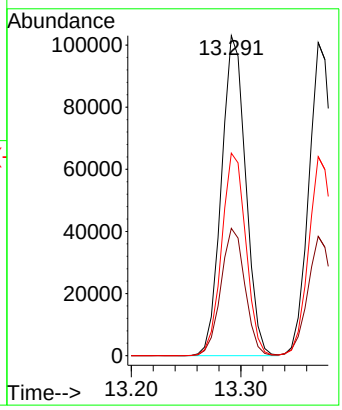


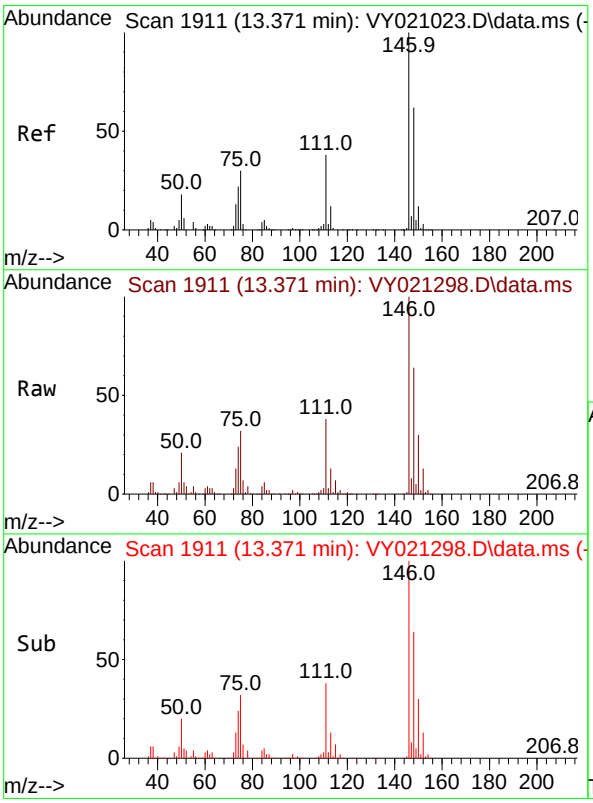

#87
1,3-Dichlorobenzene
Concen: 48.998 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 158092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.6 | 20.2 | 60.5 |
| 148 | 63.2 | 31.9 | 95.9 |

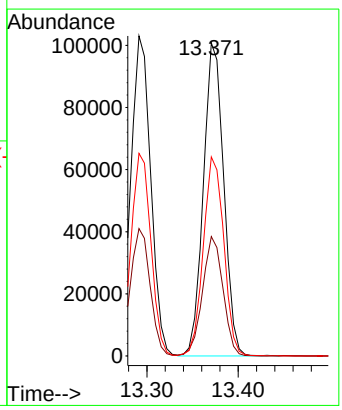


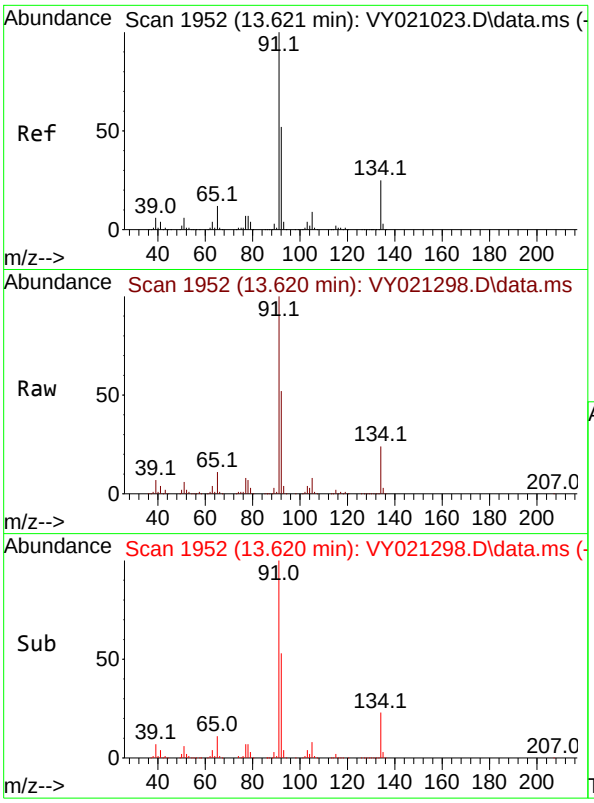




#88
1,4-Dichlorobenzene
Concen: 49.004 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:146 Resp: 155677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.5 | 19.3 | 57.9 |
| 148 | 64.0 | 31.6 | 94.7 |



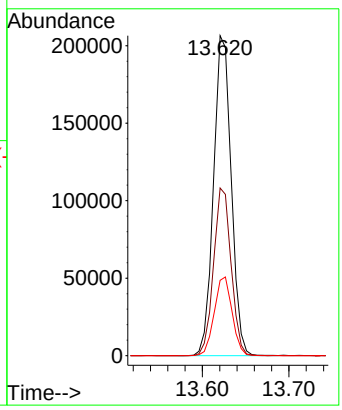


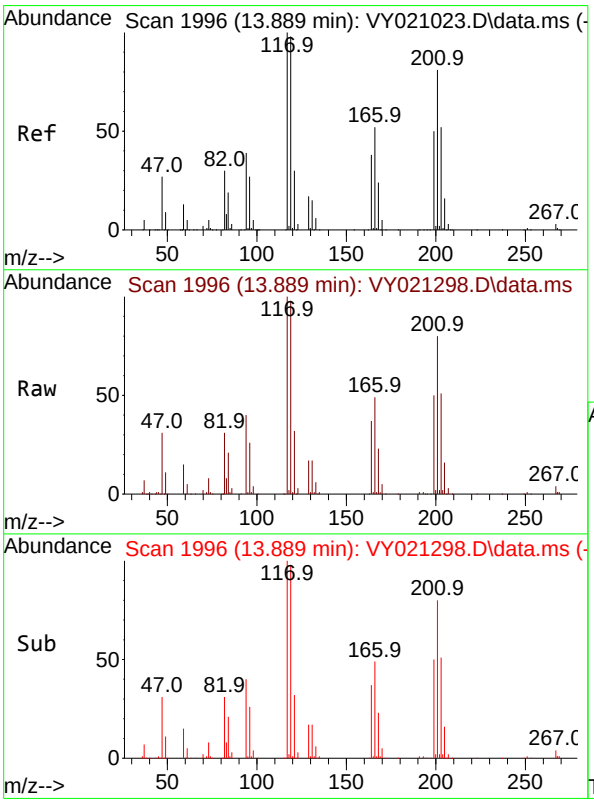

#89
n-Butylbenzene
Concen: 50.284 ug/l
RT: 13.620 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 292709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.0 | 26.4 | 79.2 |
| 134 | 24.8 | 12.3 | 36.8 |

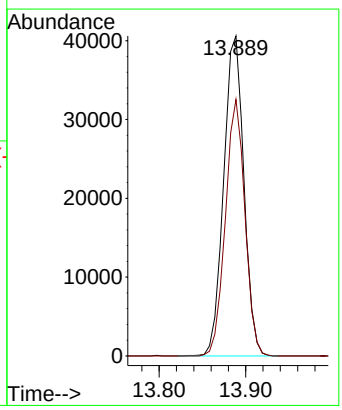


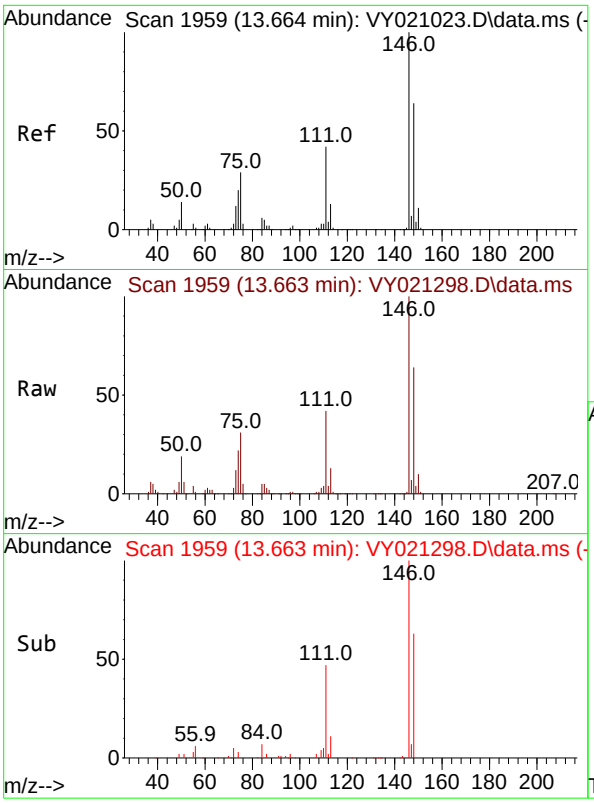




#90
Hexachloroethane
Concen: 49.420 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:117 Resp: 65786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 77.4 | 33.4 | 100.1 |



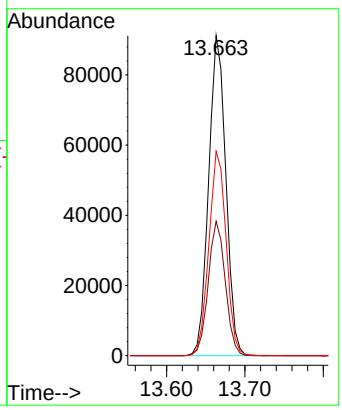


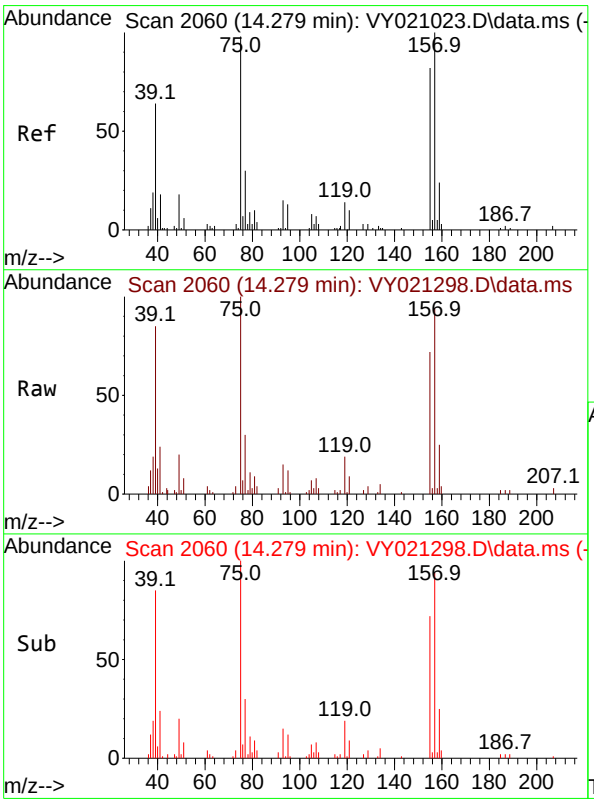

#91
1,2-Dichlorobenzene
Concen: 49.608 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 138923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.5 | 61.6 |
| 148 | 64.1 | 31.4 | 94.3 |

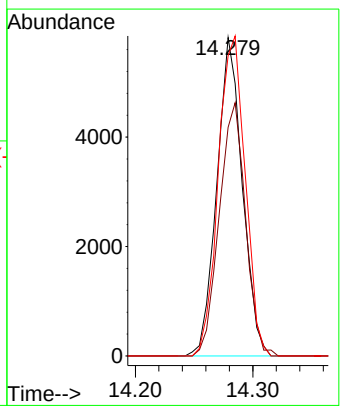


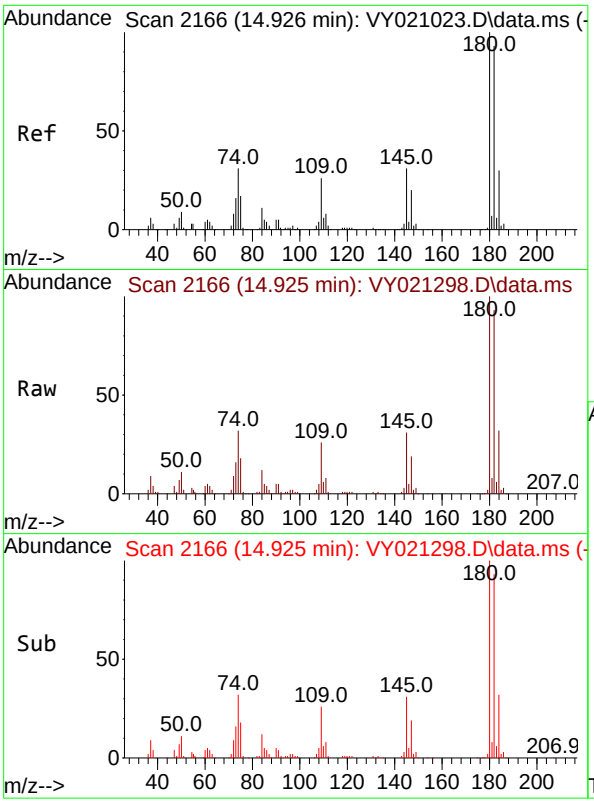




#92
1,2-Dibromo-3-Chloropropane
Concen: 48.777 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion: 75 Resp: 8778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.7 | 42.1 | 126.3 |
| 157 | 105.8 | 55.8 | 167.4 |



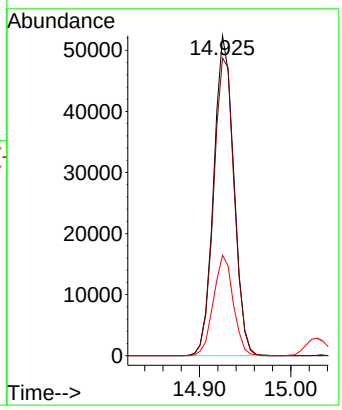


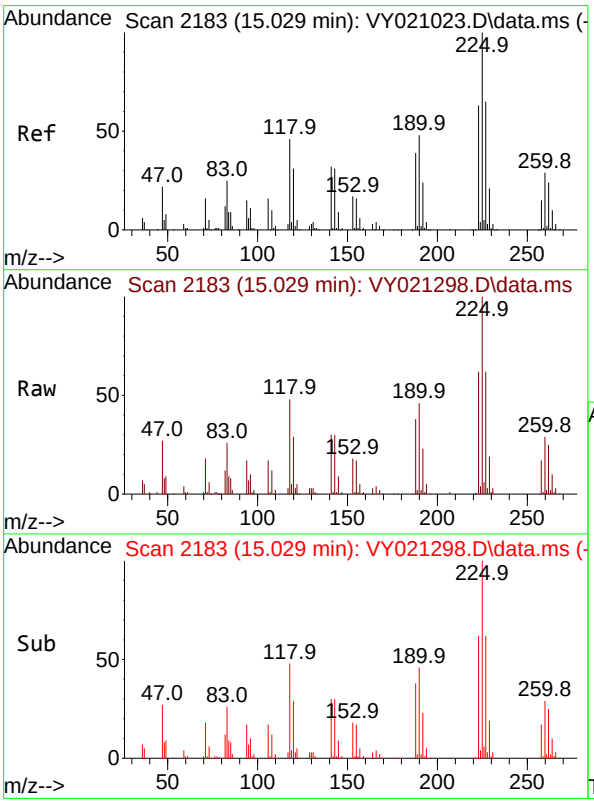

#93
1,2,4-Trichlorobenzene
Concen: 51.098 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 79651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 47.9 | 143.7 |
| 145 | 31.0 | 15.9 | 47.7 |

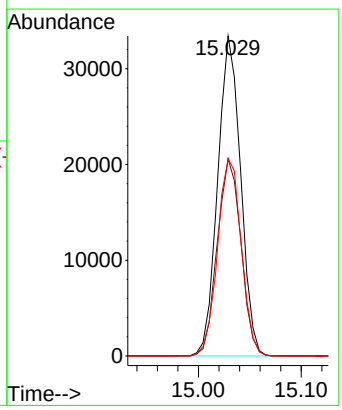


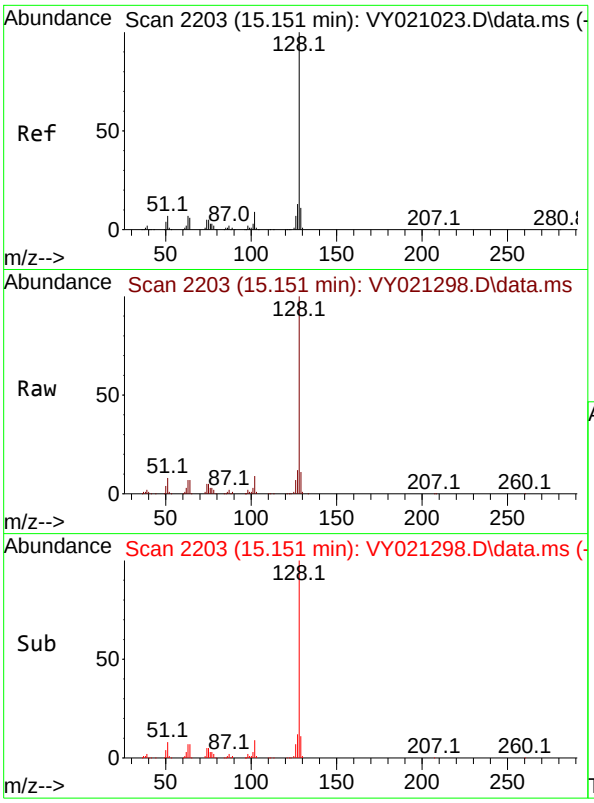




#94
Hexachlorobutadiene
Concen: 50.024 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:225 Resp: 51673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 31.4 | 94.3 |
| 227 | 64.1 | 32.3 | 96.8 |



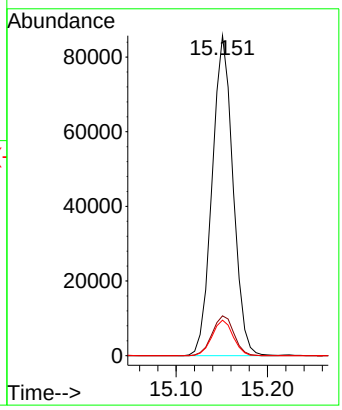


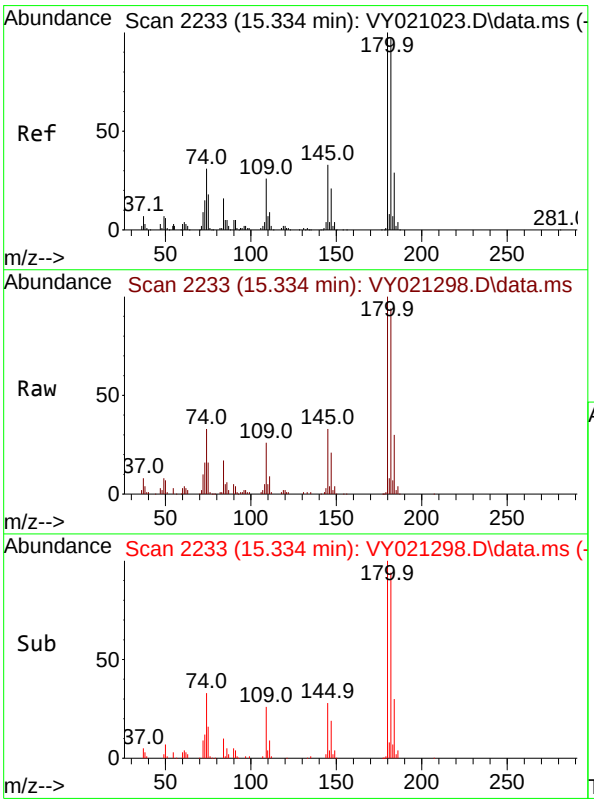

#95
Naphthalene
Concen: 54.500 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 135915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.4 |
| 129 | 11.2 | 8.6 | 12.8 |

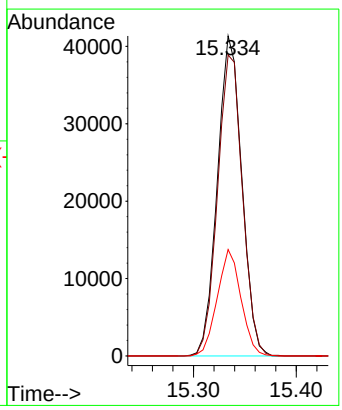



#96
1,2,3-Trichlorobenzene
Concen: 52.553 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021298.D
Acq: 21 Feb 2025 20:27

Tgt Ion:180 Resp: 68173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 46.3 | 138.8 |
| 145 | 32.4 | 16.1 | 48.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 177514 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 289913 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 247837 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 118690 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 12088 | 6.003 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 12.000%# | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 10715 | 5.637 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 11.280%# | | | |
| 50) Toluene-d8 | 10.103 | 98 | 41158 | 5.603 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 11.200%# | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 14192 | 5.741 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = | 11.480%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 9045 | 5.374 | ug/l | | 99 |
| 3) Chloromethane | 2.068 | 50 | 12591 | 5.793 | ug/l | | 97 |
| 4) Vinyl Chloride | 2.202 | 62 | 11497 | 5.389 | ug/l | | 93 |
| 5) Bromomethane | 2.598 | 94 | 8962 | 6.321 | ug/l | | 99 |
| 6) Chloroethane | 2.733 | 64 | 7351 | 5.556 | ug/l | | 99 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 17319 | 5.375 | ug/l | # | 83 |
| 8) Diethyl Ether | 3.458 | 74 | 4897 | 5.064 | ug/l | | 89 |
| 9) 1,1,2-Trichlorotrifluo... | 3.806 | 101 | 9686 | 5.193 | ug/l | | 96 |
| 10) Methyl Iodide | 4.001 | 142 | 8728 | 4.447 | ug/l | | 99 |
| 11) Tert butyl alcohol | 4.848 | 59 | 5165 | 33.345 | ug/l | # | 84 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 9671 | 5.415 | ug/l | | 90 |
| 13) Acrolein | 3.647 | 56 | 5798 | 48.848 | ug/l | | 99 |
| 14) Allyl chloride | 4.379 | 41 | 16498 | 5.210 | ug/l | | 99 |
| 15) Acrylonitrile | 5.055 | 53 | 10830 | 25.330 | ug/l | | 98 |
| 16) Acetone | 3.866 | 43 | 10823 | 28.018 | ug/l | | 99 |
| 17) Carbon Disulfide | 4.104 | 76 | 31953 | 5.387 | ug/l | | 99 |
| 18) Methyl Acetate | 4.391 | 43 | 5062 | 5.362 | ug/l | # | 54 |
| 19) Methyl tert-butyl Ether | 5.110 | 73 | 23290 | 4.935 | ug/l | | 100 |
| 20) Methylene Chloride | 4.610 | 84 | 13003 | 6.225 | ug/l | | 93 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 10455 | 5.317 | ug/l | | 98 |
| 22) Diisopropyl ether | 6.012 | 45 | 32640 | 4.981 | ug/l | # | 86 |
| 23) Vinyl Acetate | 5.958 | 43 | 94244 | 24.067 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 19538 | 5.290 | ug/l | | 98 |
| 25) 2-Butanone | 6.890 | 43 | 14341 | 24.599 | ug/l | # | 88 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 18391 | 5.488 | ug/l | | 100 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 11522 | 5.132 | ug/l | | 97 |
| 28) Bromochloromethane | 7.244 | 49 | 9318 | 5.702 | ug/l | | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 9319 | 24.455 | ug/l | | 99 |
| 30) Chloroform | 7.421 | 83 | 20025 | 5.351 | ug/l | | 98 |
| 31) Cyclohexane | 7.701 | 56 | 20990 | 5.912 | ug/l | # | 86 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 18106 | 5.315 | ug/l | | 98 |
| 36) 1,1-Dichloropropene | 7.829 | 75 | 14719 | 5.155 | ug/l | | 98 |
| 37) Ethyl Acetate | 6.982 | 43 | 7270 | 5.119 | ug/l | | 98 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 16445 | 5.124 | ug/l | | 92 |
| 39) Methylcyclohexane | 9.103 | 83 | 17316 | 4.795 | ug/l | | 95 |
| 40) Benzene | 8.079 | 78 | 43912 | 5.203 | ug/l | | 95 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.220 | 41 | 2838 | 3.574 ug/l # | 74 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 12236 | 5.110 ug/l | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 12832 | 4.668 ug/l | 99 |
| 44) Trichloroethene | 8.859 | 130 | 10868 | 5.143 ug/l | 100 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 10426 | 5.133 ug/l | 95 |
| 46) Dibromomethane | 9.231 | 93 | 5557 | 5.005 ug/l | 100 |
| 47) Bromodichloromethane | 9.420 | 83 | 15042 | 5.081 ug/l | 100 |
| 48) Methyl methacrylate | 9.219 | 41 | 5698 | 4.433 ug/l | 95 |
| 49) 1,4-Dioxane | 9.231 | 88 | 1164 | 94.292 ug/l | 94 |
| 51) 4-Methyl-2-Pentanone | 10.000 | 43 | 31910 | 22.677 ug/l | 100 |
| 52) Toluene | 10.170 | 92 | 25715 | 4.905 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 12697 | 4.682 ug/l | 98 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 15685 | 4.899 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 10.573 | 97 | 7259 | 5.019 ug/l | 96 |
| 56) Ethyl methacrylate | 10.438 | 69 | 8528 | 4.267 ug/l | 99 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 12384 | 4.880 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 20290 | 21.153 ug/l | 98 |
| 59) 2-Hexanone | 10.762 | 43 | 19312 | 20.897 ug/l | 97 |
| 60) Dibromochloromethane | 10.914 | 129 | 9844 | 4.998 ug/l | 97 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 6792 | 4.960 ug/l | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 10042 | 5.361 ug/l | 96 |
| 65) Chlorobenzene | 11.444 | 112 | 29025 | 5.217 ug/l | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131 | 9824 | 5.043 ug/l | 99 |
| 67) Ethyl Benzene | 11.518 | 91 | 48026 | 4.874 ug/l | 97 |
| 68) m/p-Xylenes | 11.627 | 106 | 36446 | 9.833 ug/l | 100 |
| 69) o-Xylene | 11.956 | 106 | 17085 | 4.920 ug/l | 97 |
| 70) Styrene | 11.969 | 104 | 26787 | 4.637 ug/l | 99 |
| 71) Bromoform | 12.133 | 173 | 5478 | 4.916 ug/l # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 44434 | 4.980 ug/l | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 9713 | 4.283 ug/l | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 8309 | 5.276 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 10626 | 8.890 ug/l # | 100 |
| 77) Bromobenzene | 12.536 | 156 | 10911 | 5.257 ug/l | 99 |
| 78) n-propylbenzene | 12.597 | 91 | 53794 | 4.968 ug/l | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 32529 | 5.235 ug/l | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 36696 | 5.014 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 2493 | 4.664 ug/l | 97 |
| 82) 4-Chlorotoluene | 12.780 | 91 | 34079 | 5.290 ug/l | 99 |
| 83) tert-Butylbenzene | 12.999 | 119 | 32078 | 4.852 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 35772 | 4.915 ug/l | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 48977 | 5.072 ug/l | 100 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 39637 | 4.916 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 21510 | 5.239 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 21663 | 5.341 ug/l | 95 |
| 89) n-Butylbenzene | 13.621 | 91 | 36537 | 4.815 ug/l | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 9013 | 5.351 ug/l | 97 |
| 91) 1,2-Dichlorobenzene | 13.664 | 146 | 18984 | 5.278 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 1227 | 4.925 ug/l | 97 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 10759 | 4.901 ug/l | 98 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 7510 | 5.434 ug/l | 95 |
| 95) Naphthalene | 15.145 | 128 | 14829 | 4.078 ug/l | 97 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 8804 | 4.746 ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

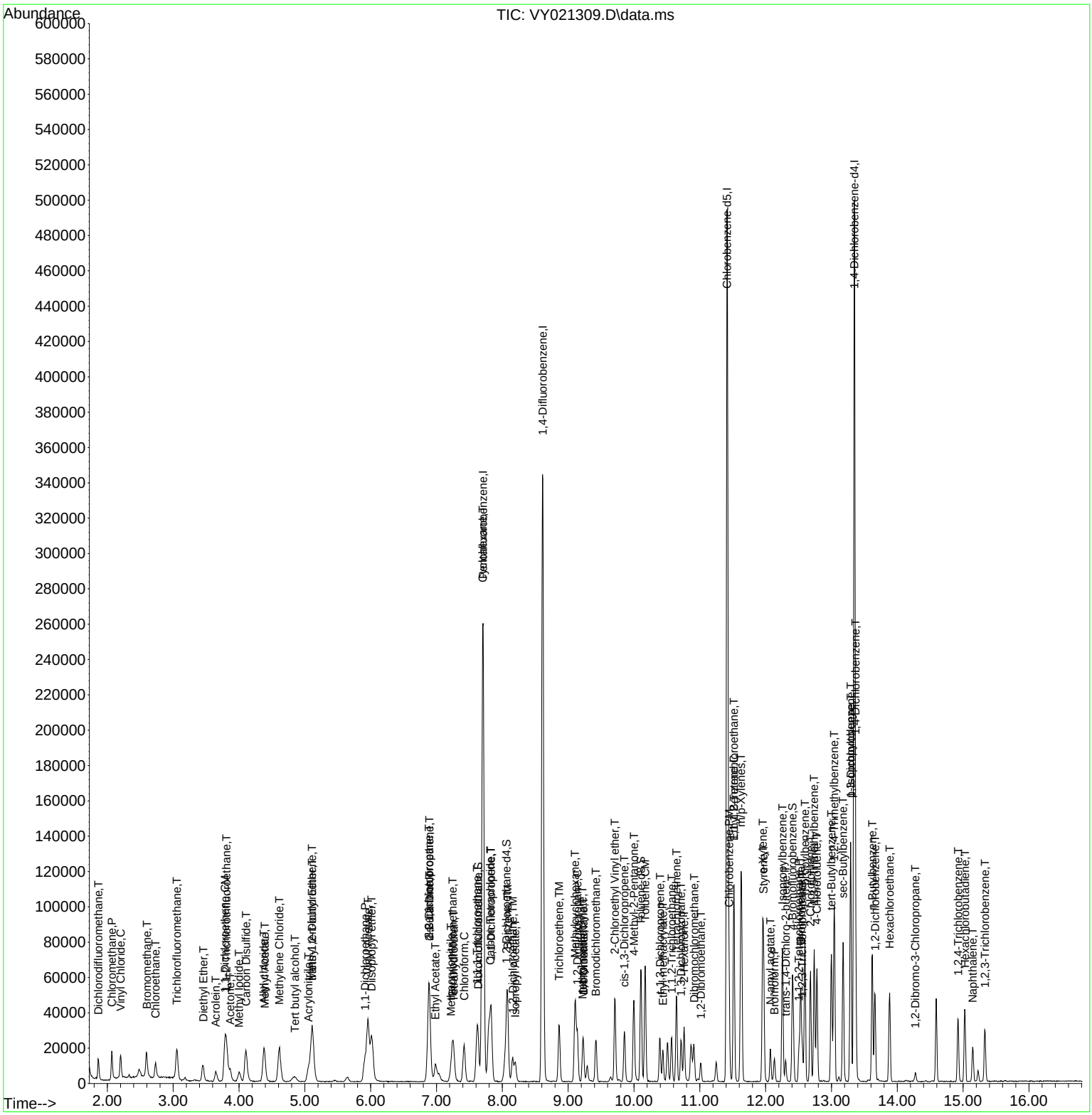
(#) = qualifier out of range (m) = manual integration (+) = signals summed

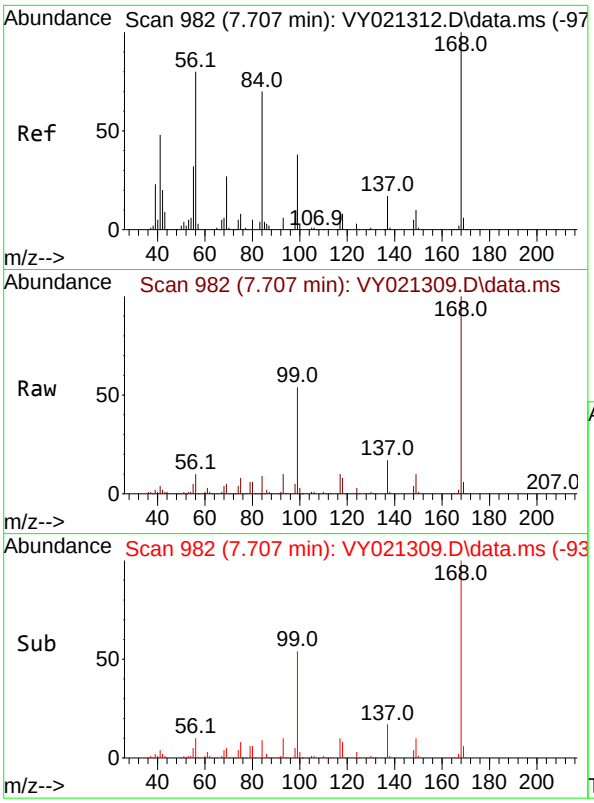
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



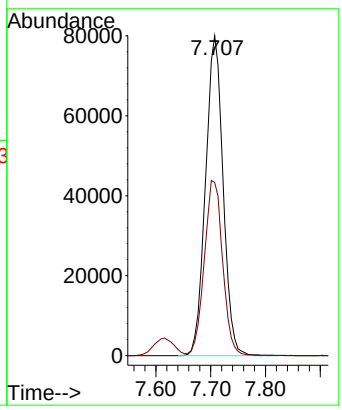


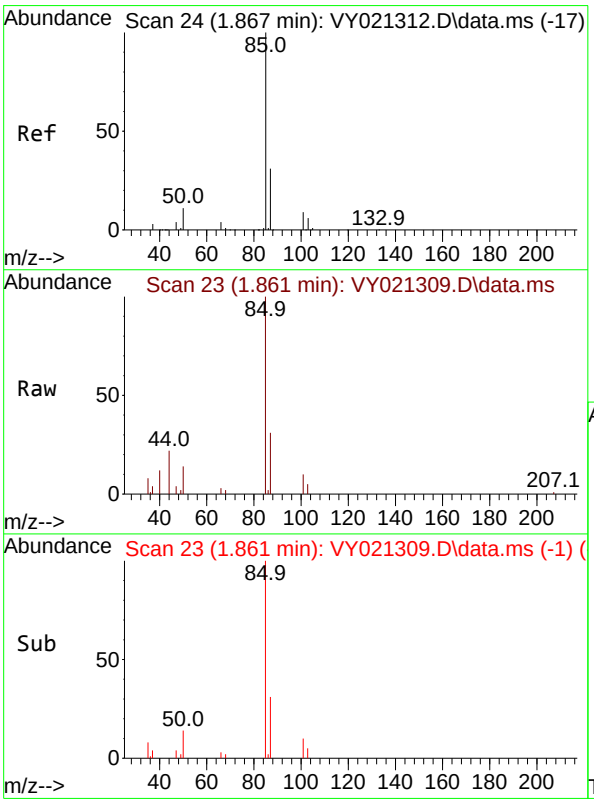

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:168 Resp: 177514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.1 | 47.1 | 70.7 |

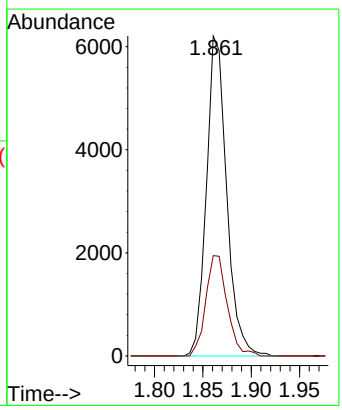


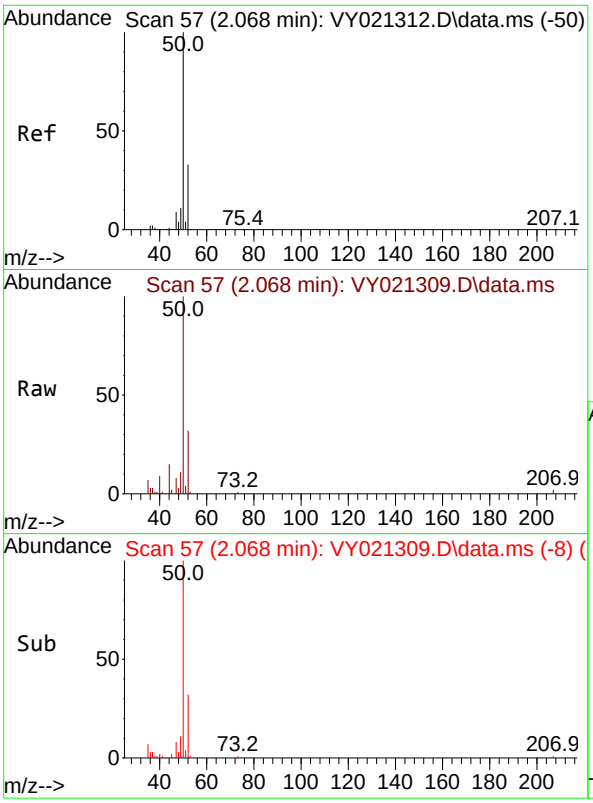




#2
Dichlorodifluoromethane
Concen: 5.374 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 85 Resp: 9045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.4 | 15.4 | 46.4 |



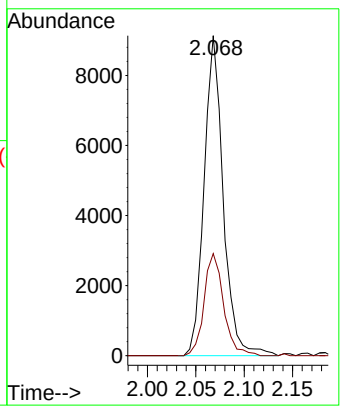


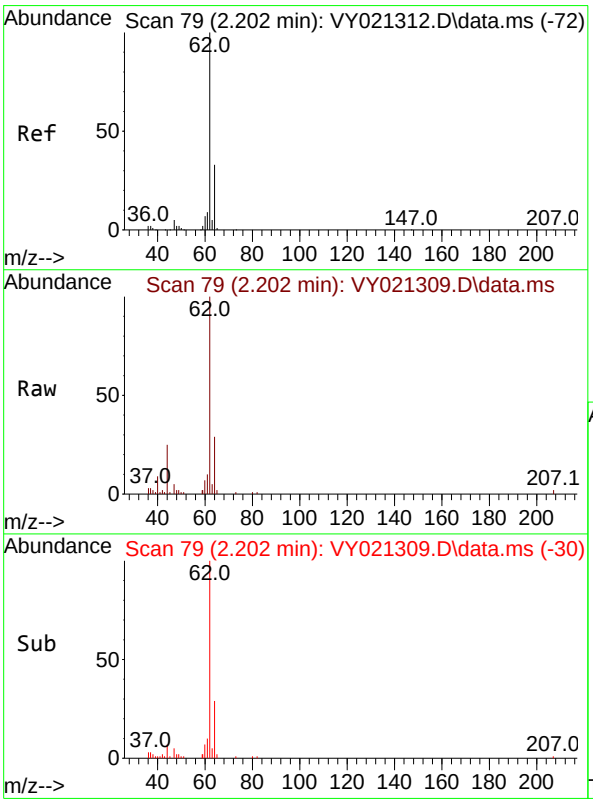

#3
Chloromethane
Concen: 5.793 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 50 Resp: 12591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.9 | 26.6 | 40.0 |

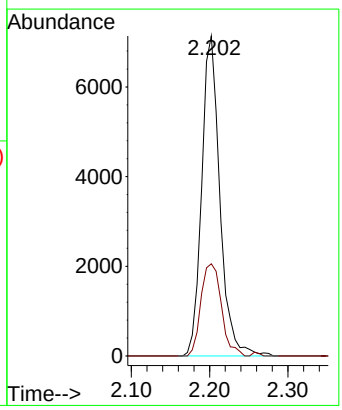


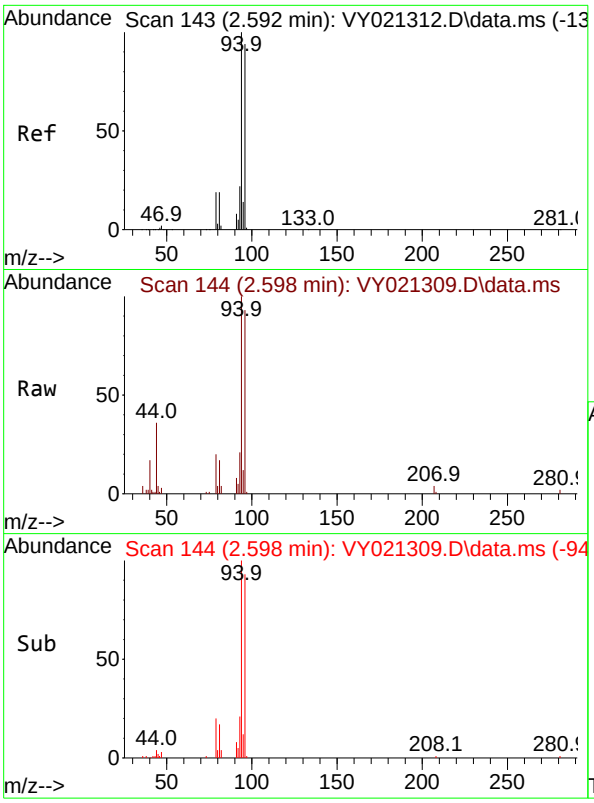




#4
Vinyl Chloride
Concen: 5.389 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 11497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 28.8 | 26.3 | 39.5 |



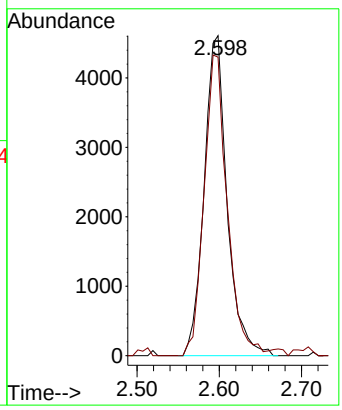


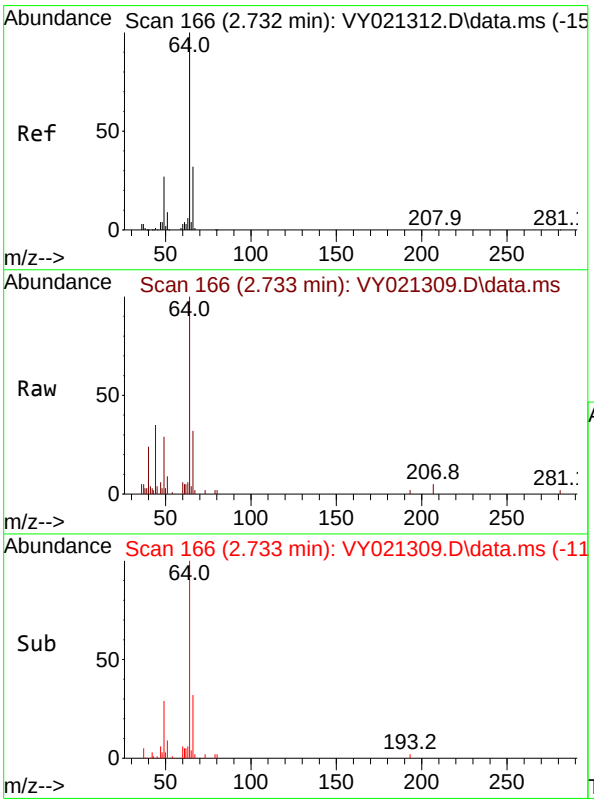

#5
Bromomethane
Concen: 6.321 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 94 Resp: 8962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.3 | 75.2 | 112.8 |

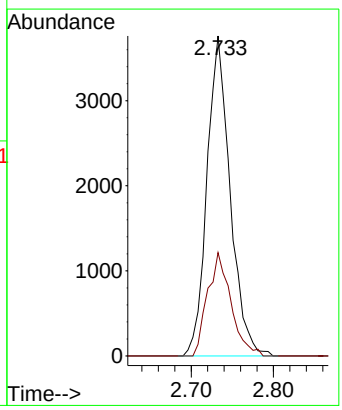


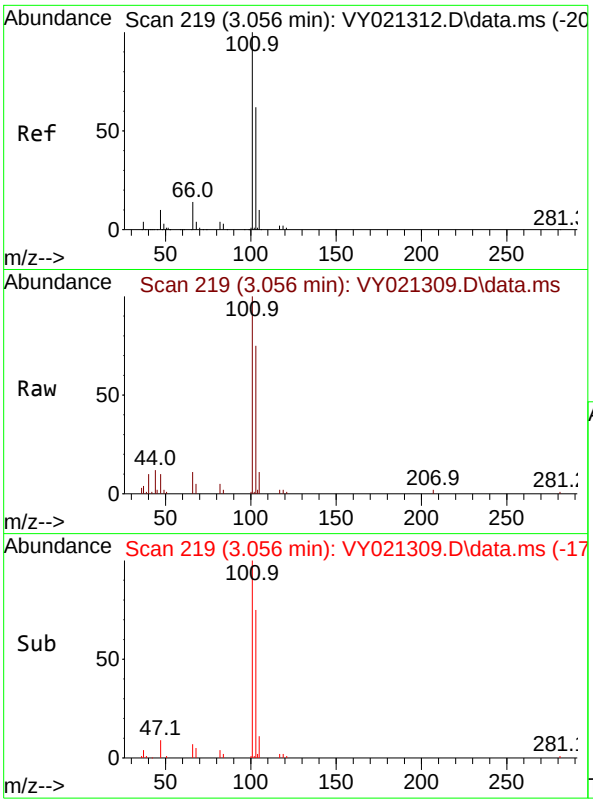




#6
Chloroethane
Concen: 5.556 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 64 Resp: 7351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.3 | 25.4 | 38.0 |



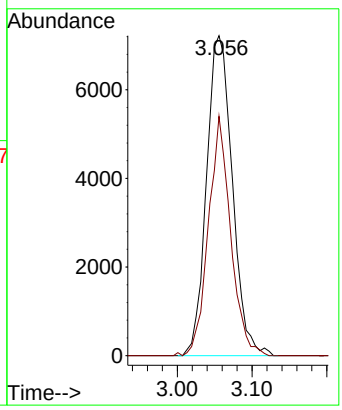


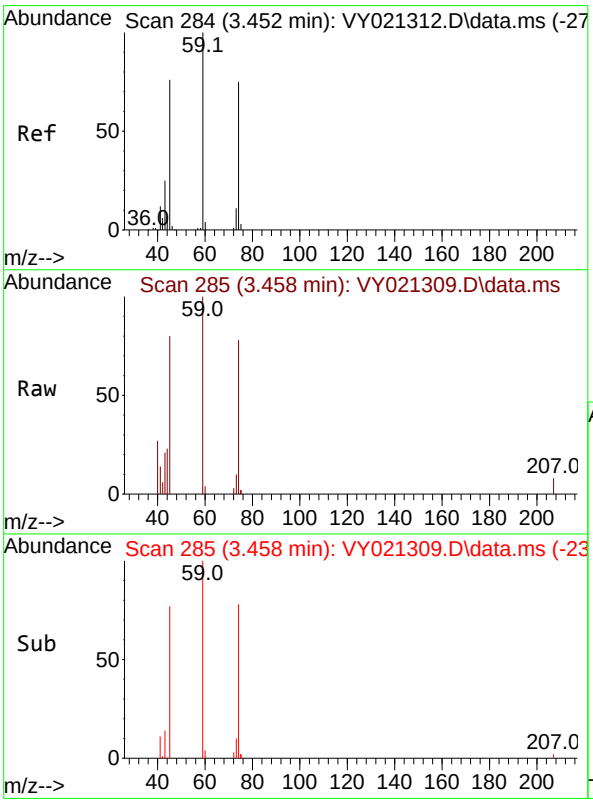

#7
Trichlorofluoromethane
Concen: 5.375 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 17319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 74.8 | 49.7 | 74.5# |

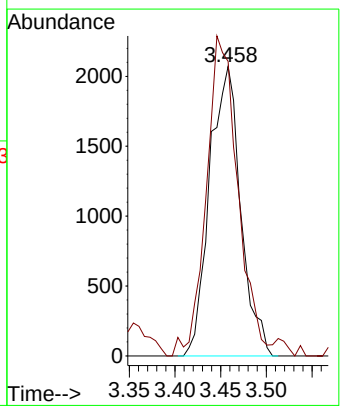


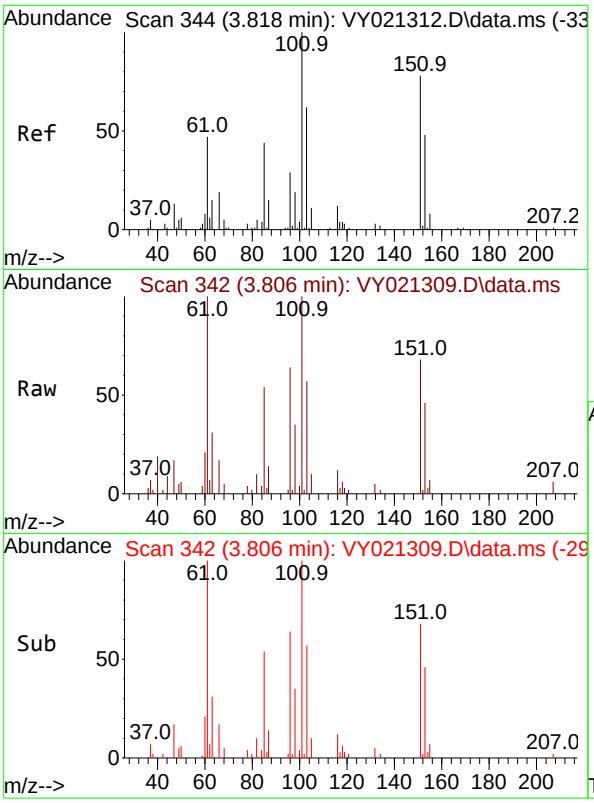




#8
Diethyl Ether
Concen: 5.064 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 74 Resp: 4897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 111.5 | 50.3 | 150.9 |



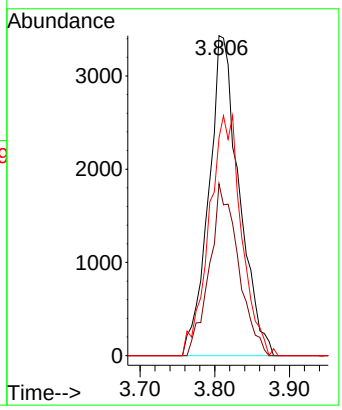


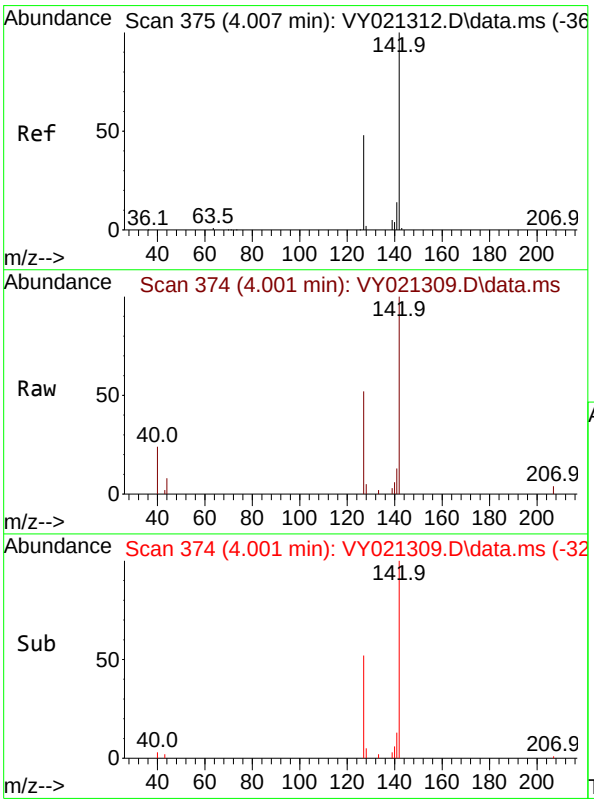

#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.193 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 9686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 50.9 | 36.7 | 55.1 |
| 151 | 80.2 | 62.6 | 94.0 |

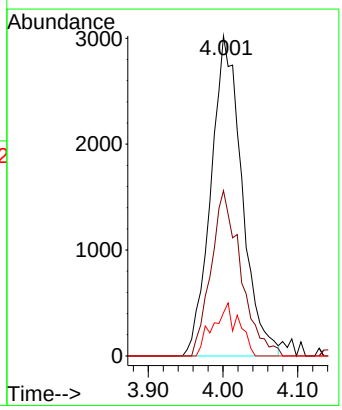


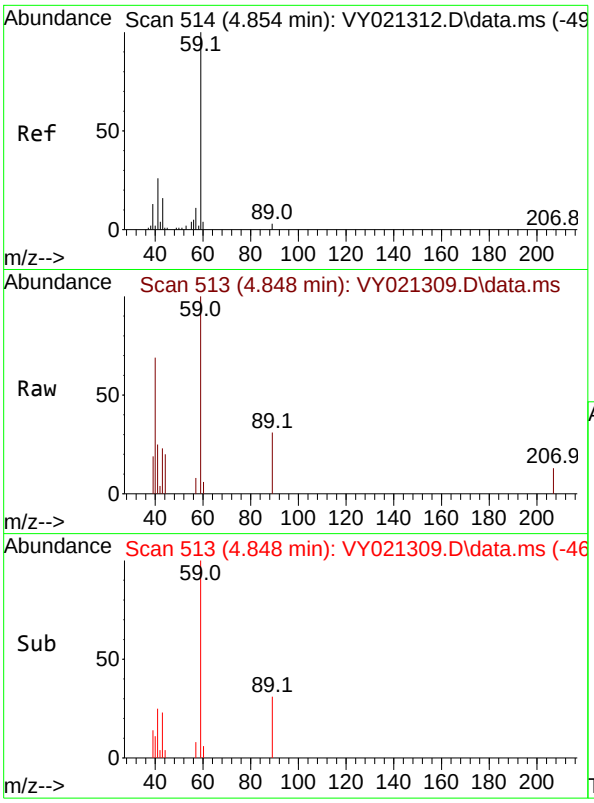




#10
Methyl Iodide
Concen: 4.447 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:142 Resp: 8728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.6 | 39.2 | 58.8 |
| 141 | 13.8 | 11.4 | 17.2 |



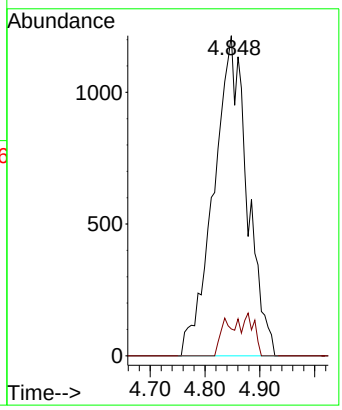


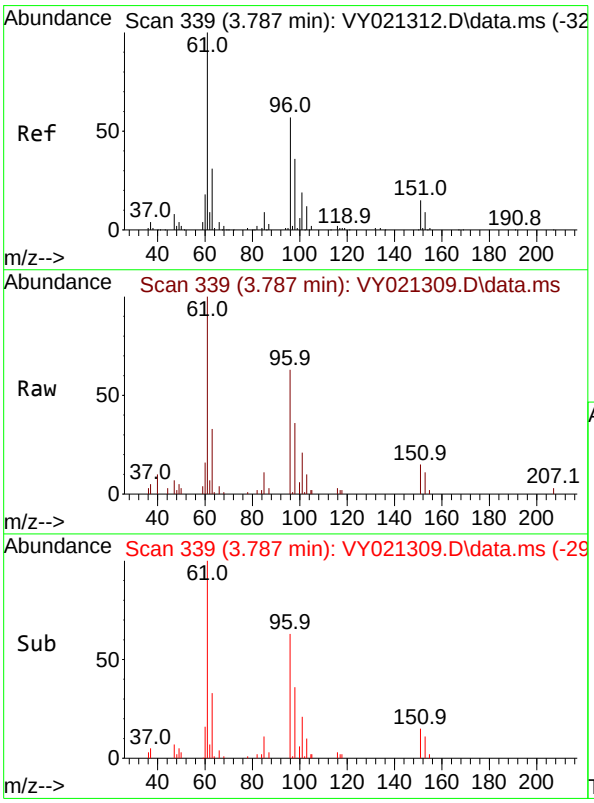

#11
Tert butyl alcohol
Concen: 33.345 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 59 Resp: 5165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 4.3 | 8.3 | 12.5# |

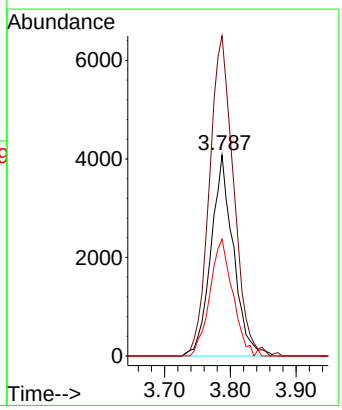


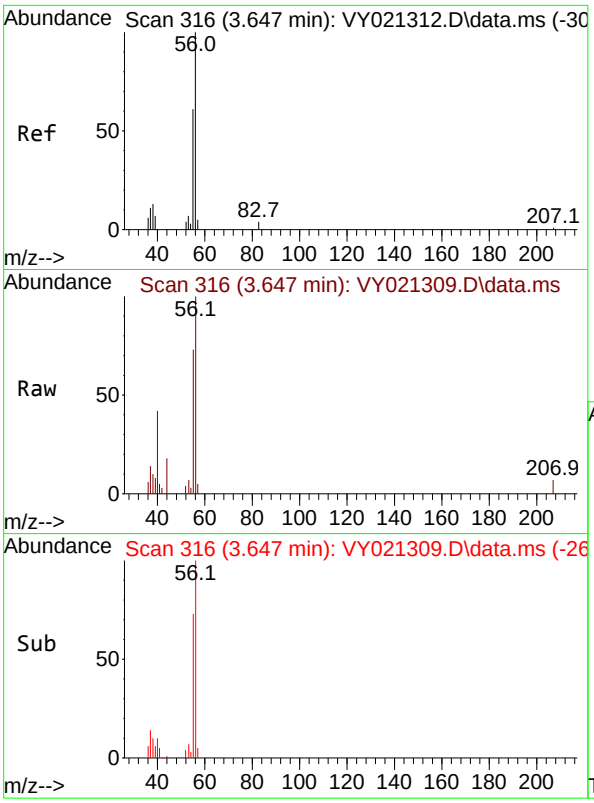




#12
1,1-Dichloroethene
Concen: 5.415 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 9671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.2 | 139.7 | 209.5 |
| 98 | 58.1 | 49.7 | 74.5 |



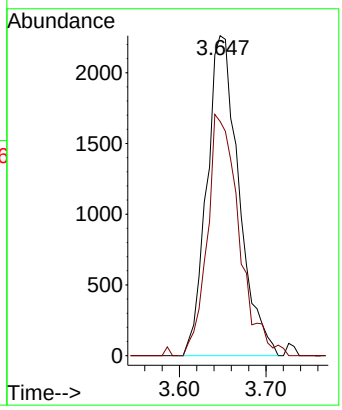


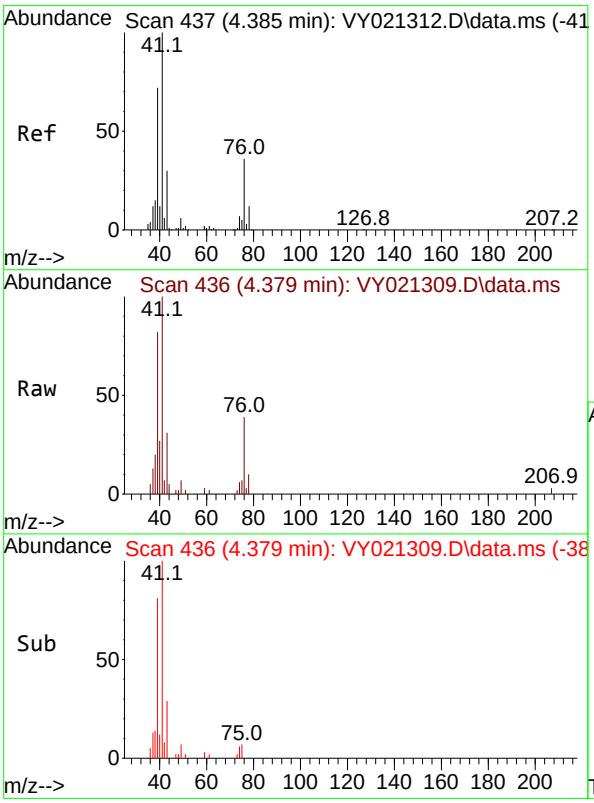

#13
Acrolein
Concen: 48.848 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 5798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.8 | 59.0 | 88.6 |

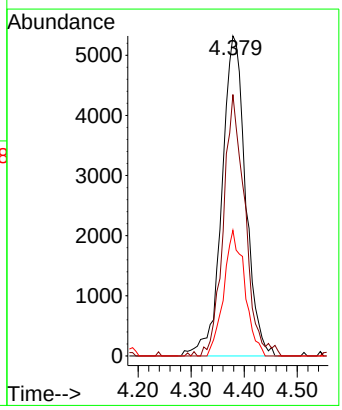


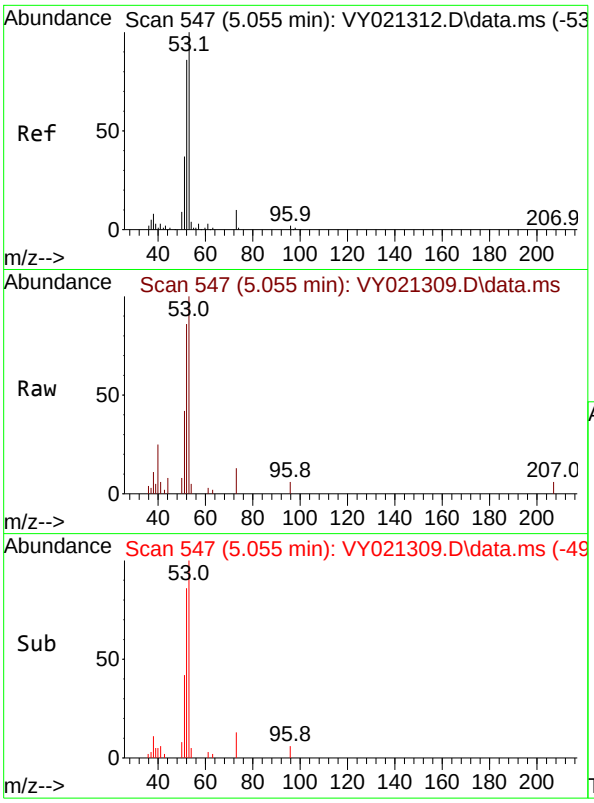




#14
Allyl chloride
Concen: 5.210 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 16498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.4 | 60.0 | 90.0 |
| 76 | 34.9 | 29.0 | 43.6 |



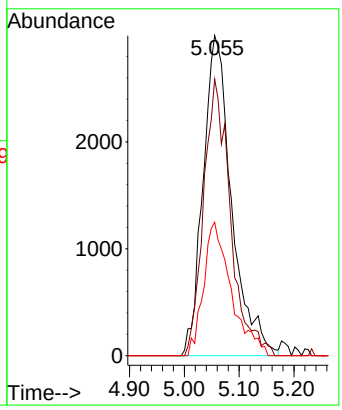


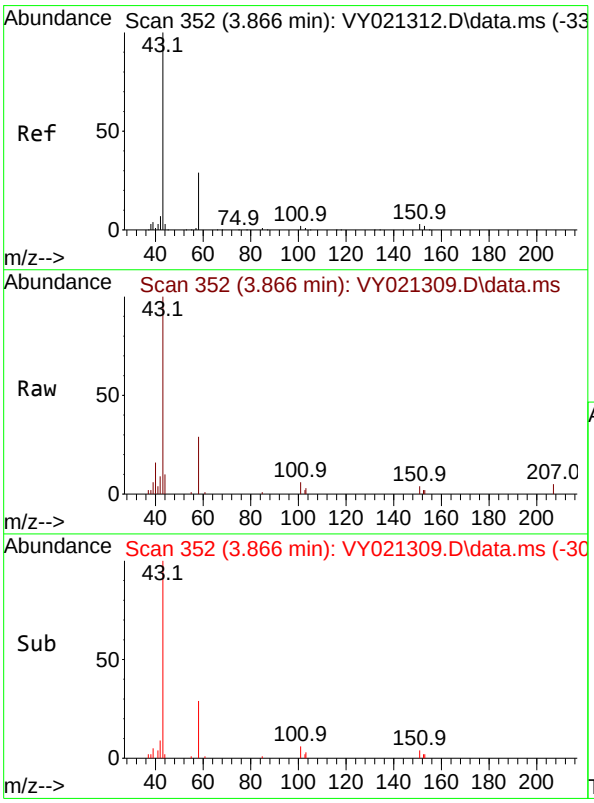

#15
Acrylonitrile
Concen: 25.330 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 53 Resp: 10830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.0 | 65.5 | 98.3 |
| 51 | 40.3 | 30.6 | 46.0 |

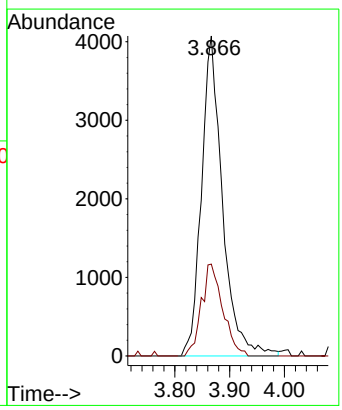


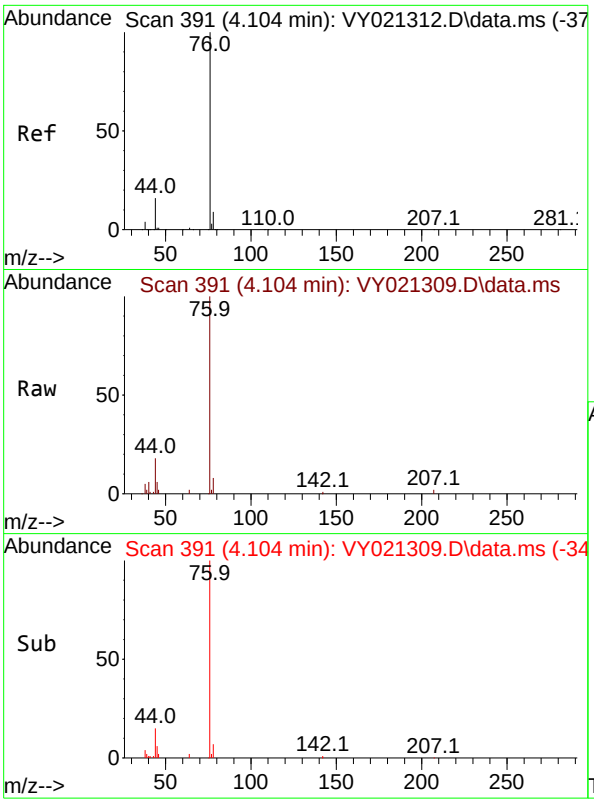




#16
Acetone
Concen: 28.018 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 10823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 23.5 | 35.3 |



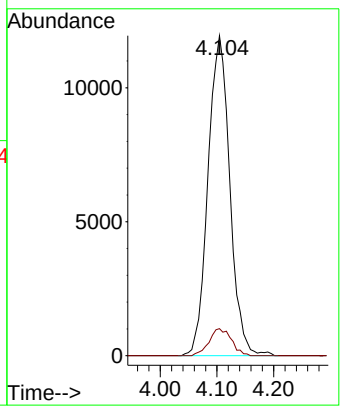


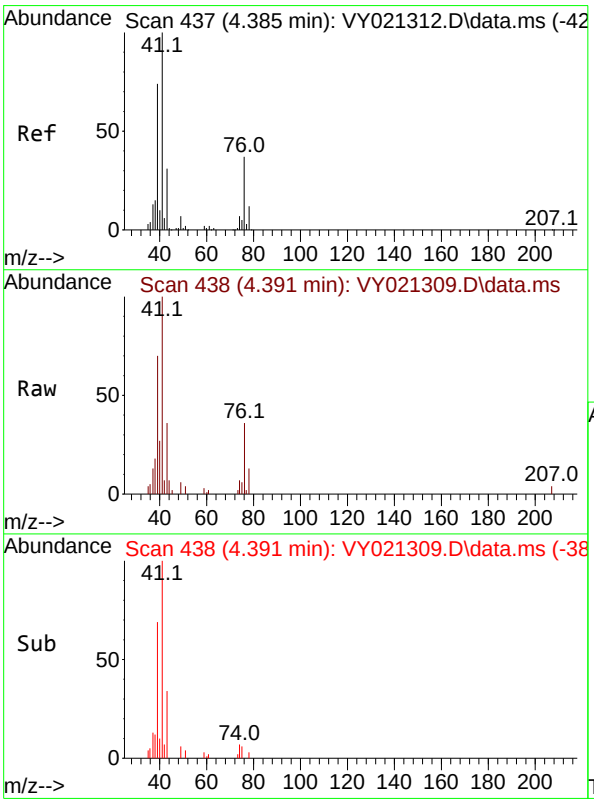

#17
Carbon Disulfide
Concen: 5.387 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 31953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.1 | 10.7 |

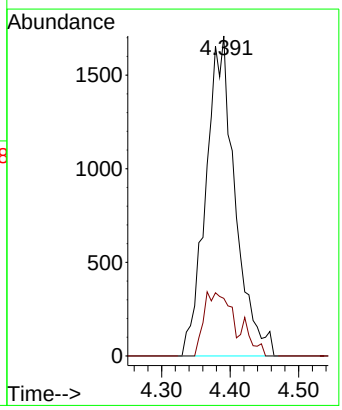


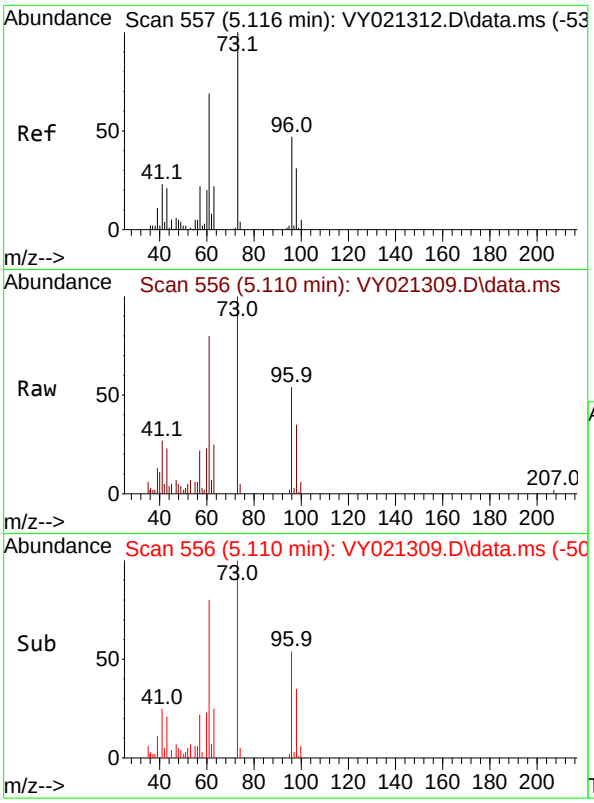




#18
Methyl Acetate
Concen: 5.362 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 5062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 17.7 | 26.5# |



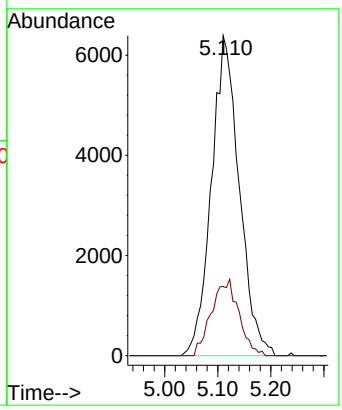


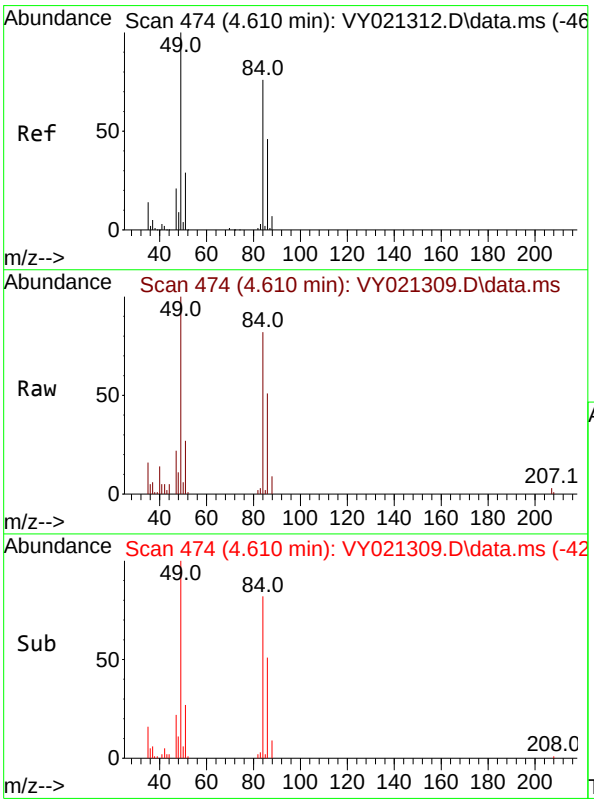

#19
Methyl tert-butyl Ether
Concen: 4.935 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 73 Resp: 23290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 17.4 | 26.0 |

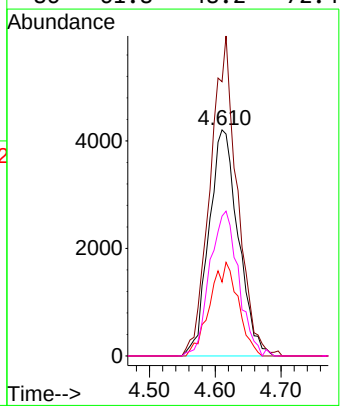


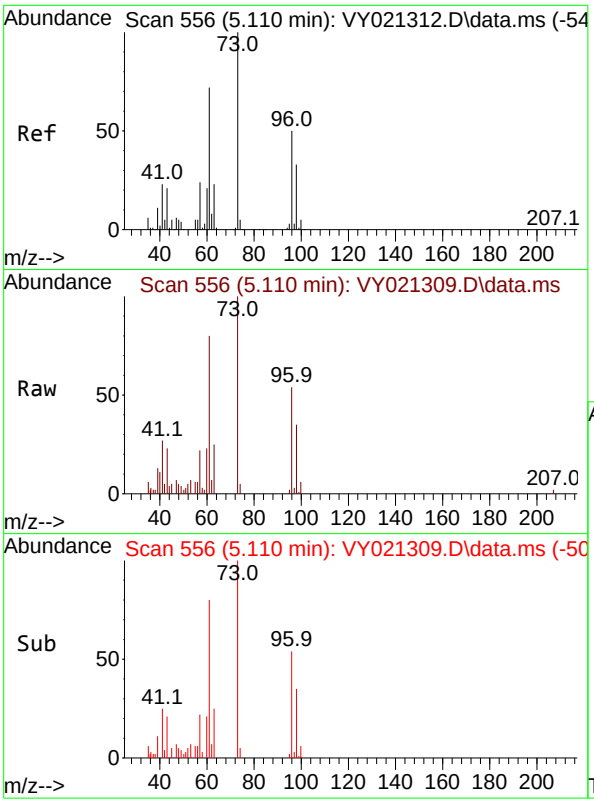




#20
Methylene Chloride
Concen: 6.225 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 84 Resp: 13003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 121.3 | 105.1 | 157.7 |
| 51 | 32.7 | 31.0 | 46.4 |
| 86 | 61.8 | 48.2 | 72.4 |



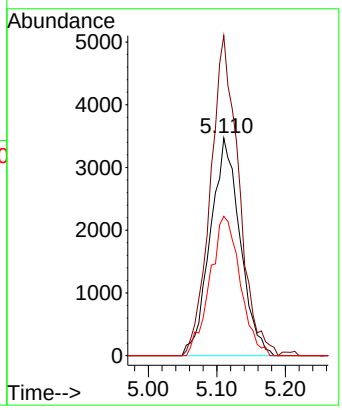


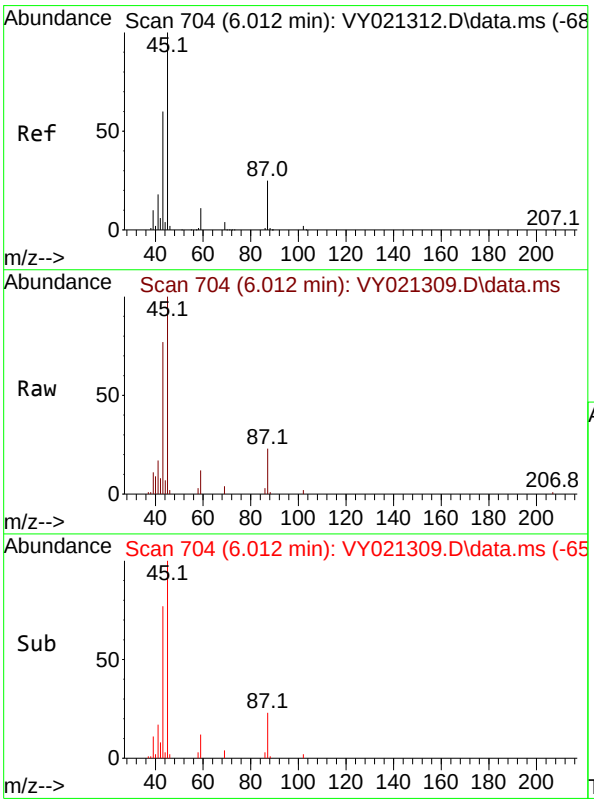

#21
trans-1,2-Dichloroethene
Concen: 5.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 10455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.0 | 116.3 | 174.5 |
| 98 | 64.0 | 52.6 | 78.8 |

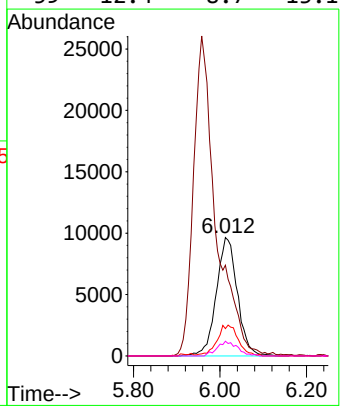


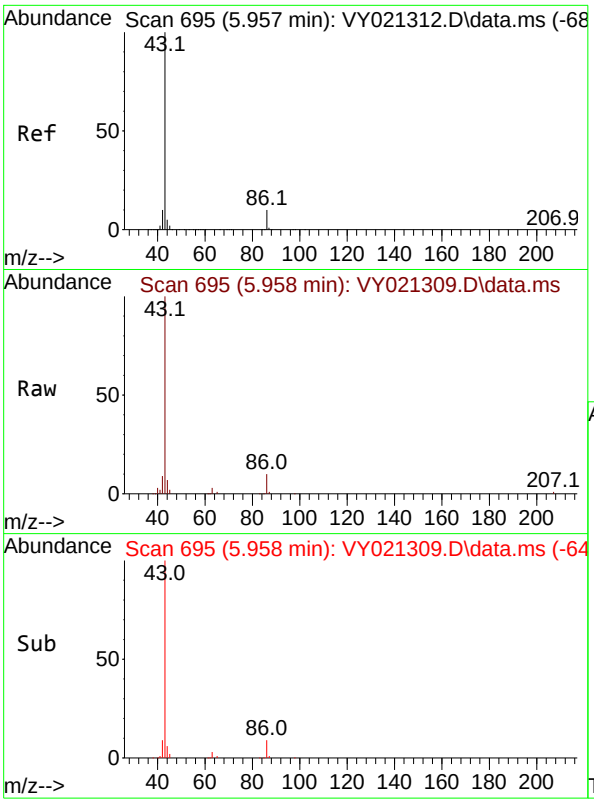




#22
Diisopropyl ether
Concen: 4.981 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 45 Resp: 32640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 75.5 | 48.2 | 72.4# |
| 87 | 23.1 | 20.3 | 30.5 |
| 59 | 12.4 | 8.7 | 13.1 |



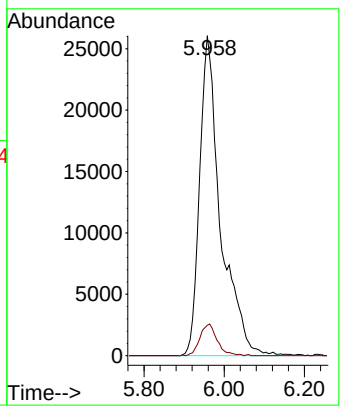


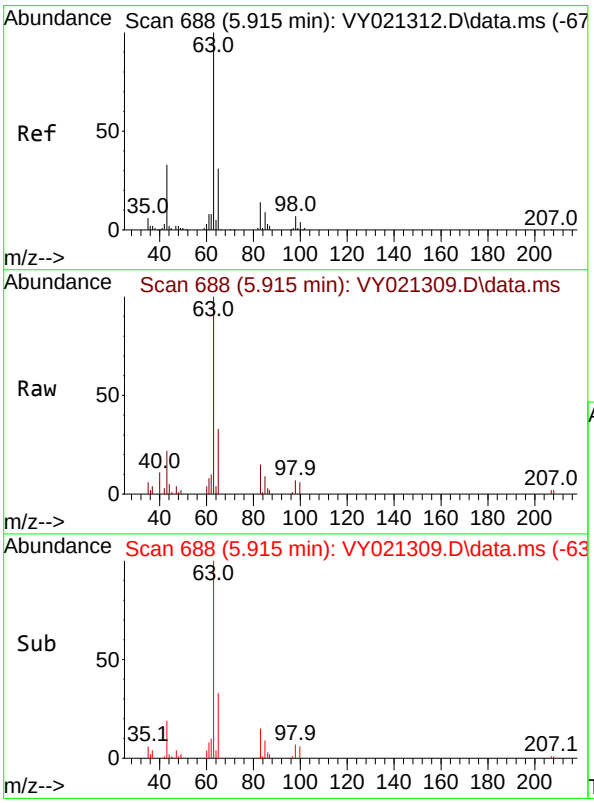

#23
Vinyl Acetate
Concen: 24.067 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 94244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.5 | 8.0 | 12.0 |

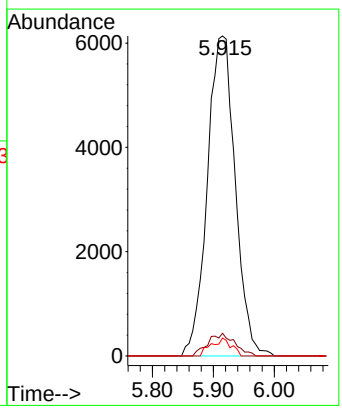


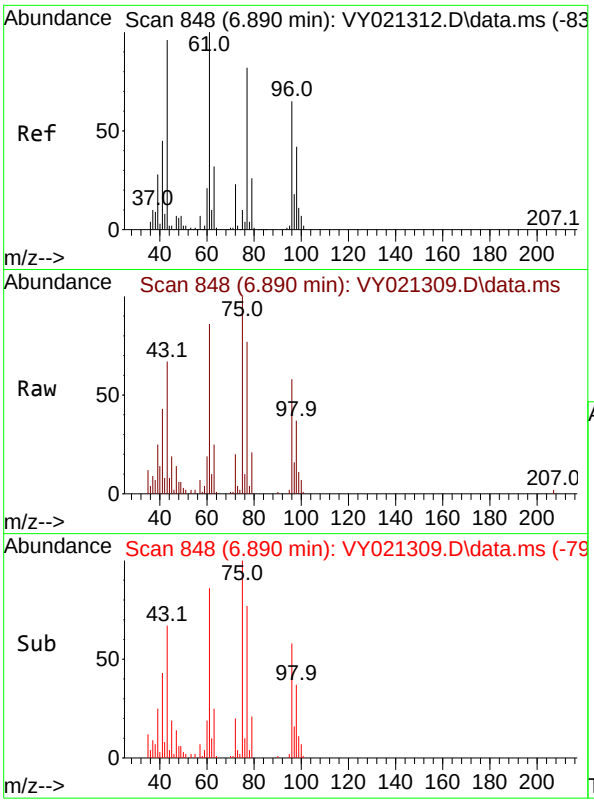




#24
1,1-Dichloroethane
Concen: 5.290 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 19538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.7 | 11.1 |
| 100 | 5.6 | 2.1 | 6.5 |



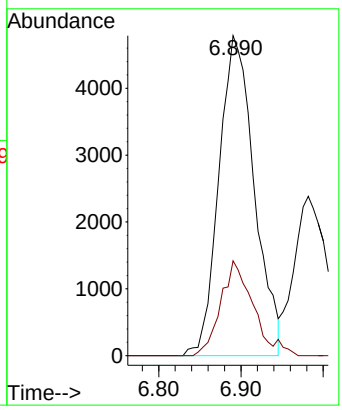


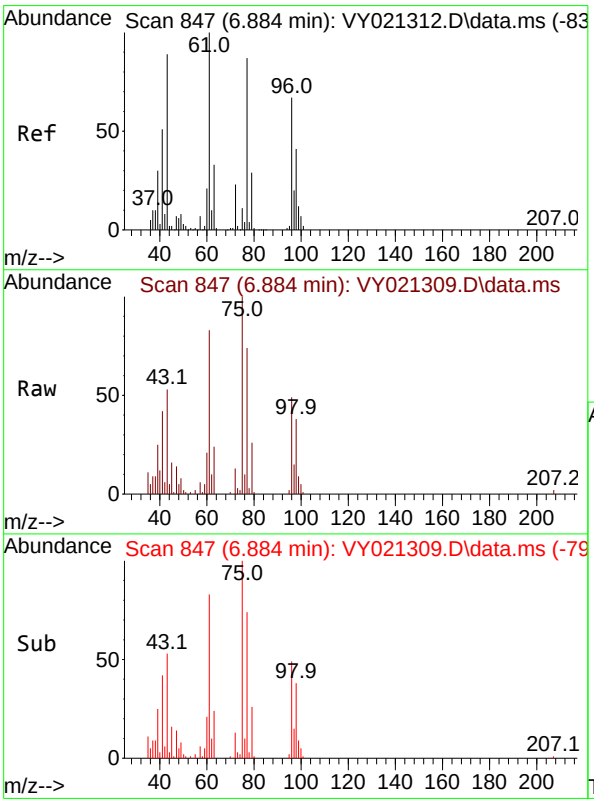

#25
2-Butanone
Concen: 24.599 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 14341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 29.6 | 19.0 | 28.6# |

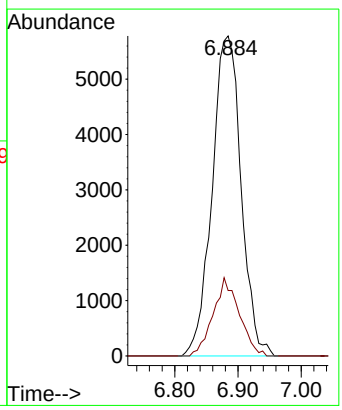


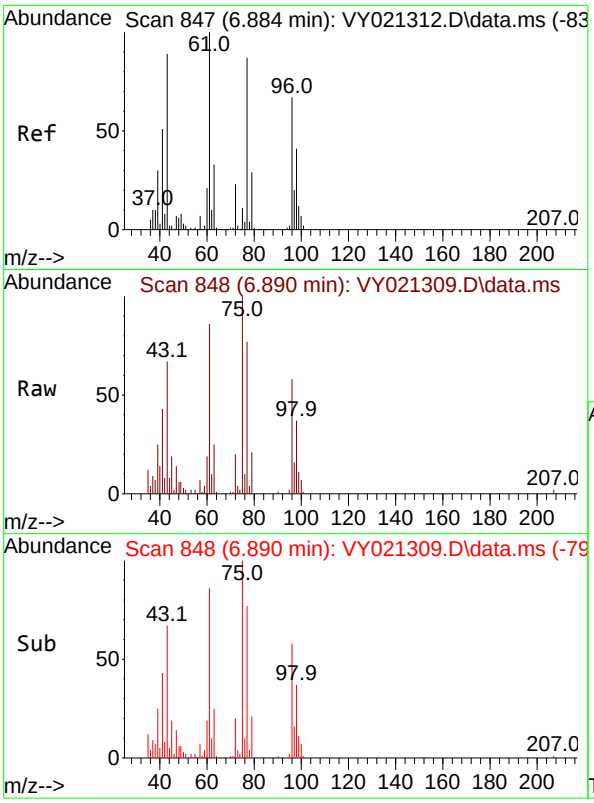




#26
2,2-Dichloropropane
Concen: 5.488 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 77 Resp: 18391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 10.9 | 32.7 |



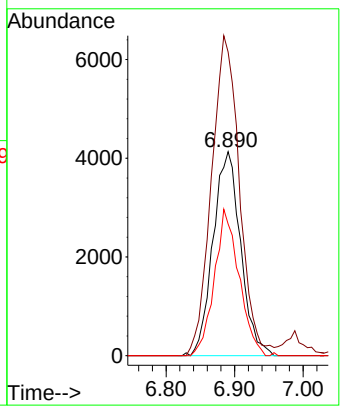


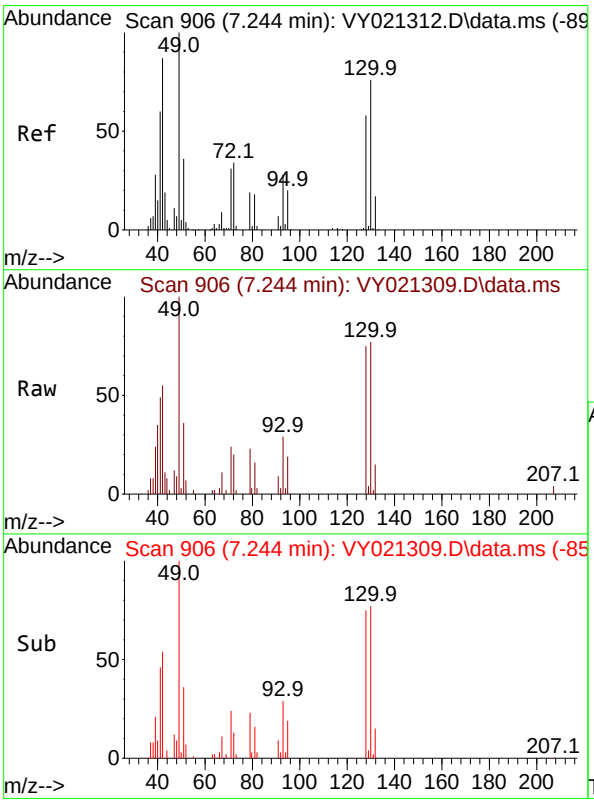

#27
cis-1,2-Dichloroethene
Concen: 5.132 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 11522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.3 | 0.0 | 308.0 |
| 98 | 64.2 | 0.0 | 129.6 |

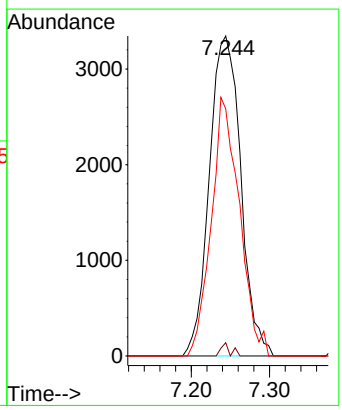


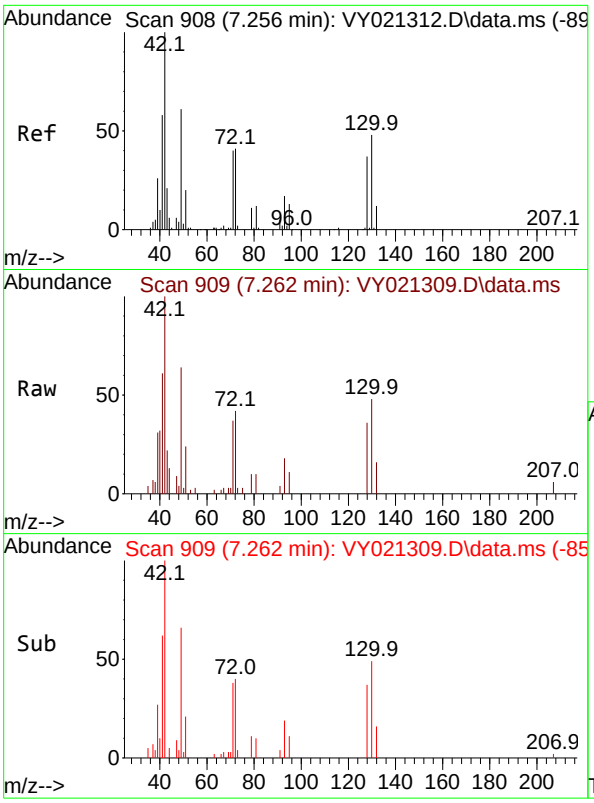




#28
Bromochloromethane
Concen: 5.702 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 49 Resp: 9318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.2 | 0.0 | 4.0 |
| 130 | 72.6 | 57.8 | 86.6 |



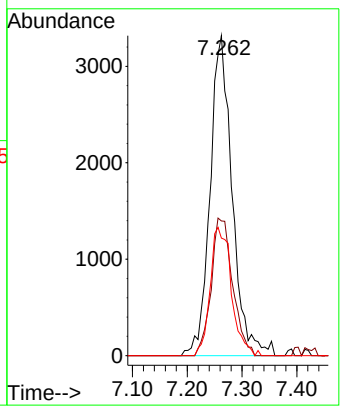


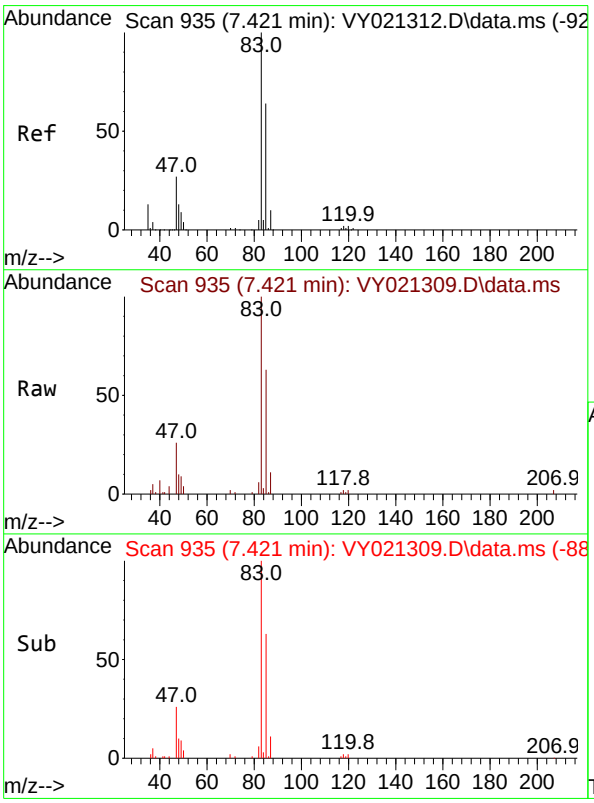

#29
Tetrahydrofuran
Concen: 24.455 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 42 Resp: 9319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.6 | 33.1 | 49.7 |
| 71 | 38.3 | 31.4 | 47.0 |

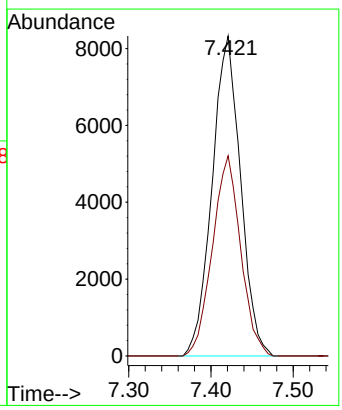


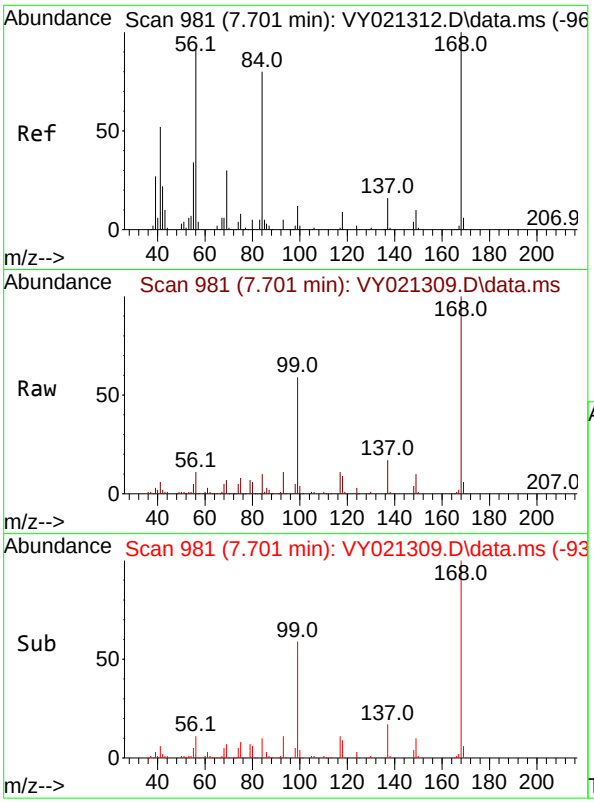




#30
Chloroform
Concen: 5.351 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 20025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 51.6 | 77.4 |



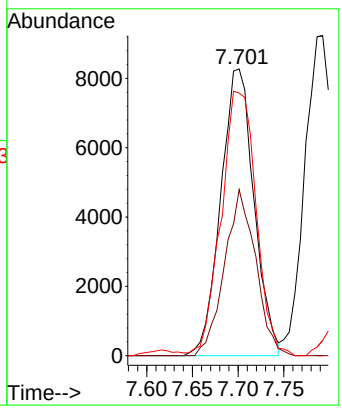


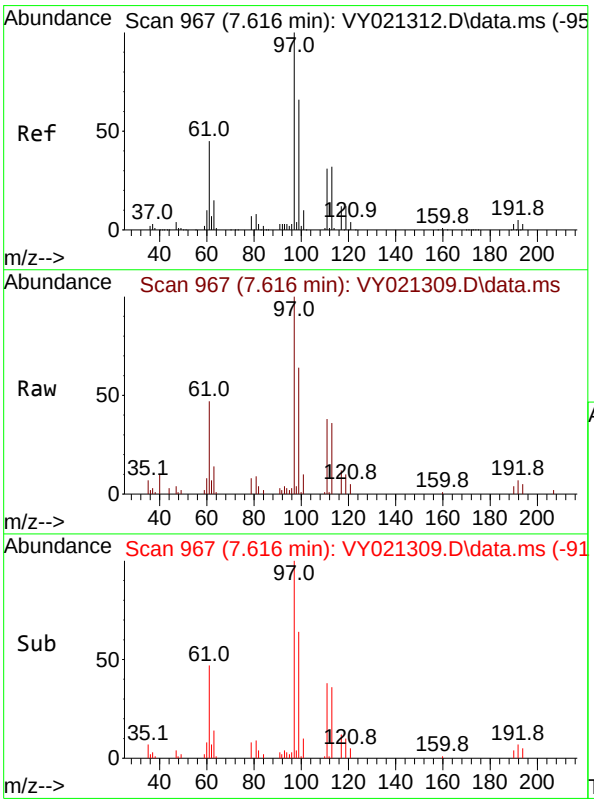

#31
Cyclohexane
Concen: 5.912 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 20990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 57.9 | 26.2 | 39.4# |
| 84 | 90.3 | 70.2 | 105.4 |

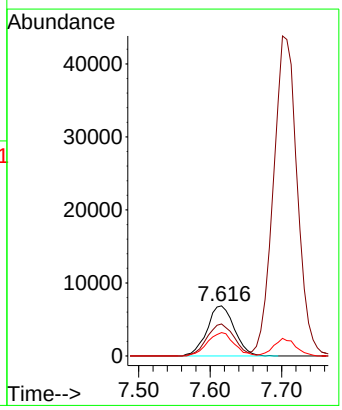


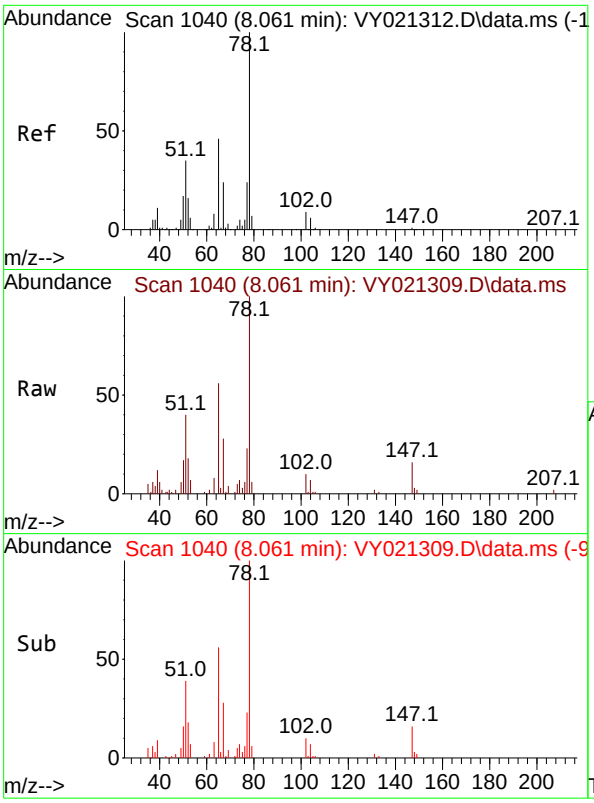




#32
1,1,1-Trichloroethane
Concen: 5.315 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 18106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 52.4 | 78.6 |
| 61 | 45.7 | 36.2 | 54.2 |



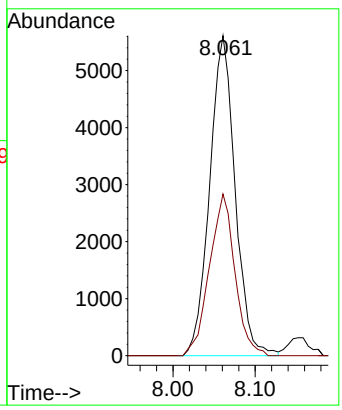


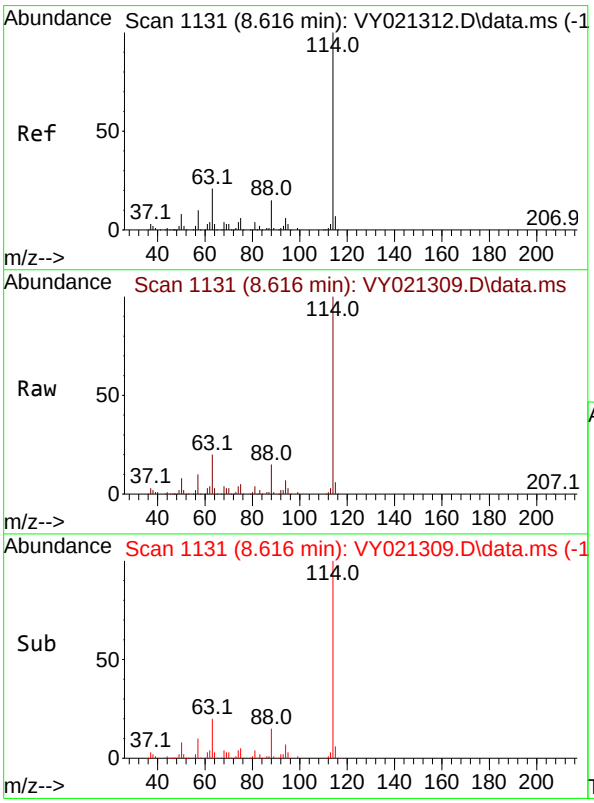

#33
1,2-Dichloroethane-d4
Concen: 6.003 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 65 Resp: 12088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 103.6 |

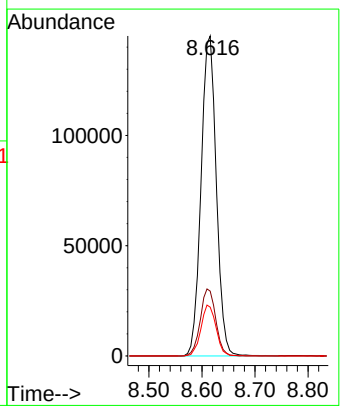


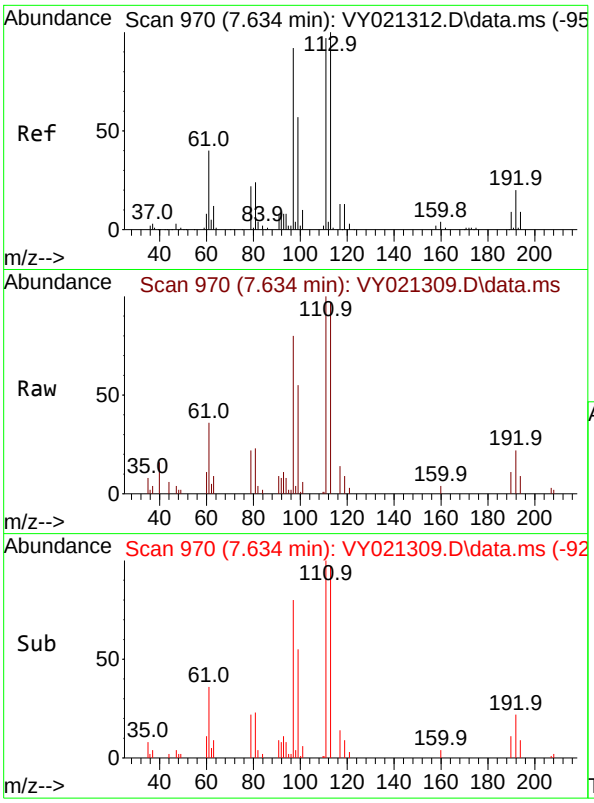




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:114 Resp: 289913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 42.2 |
| 88 | 15.2 | 0.0 | 29.8 |



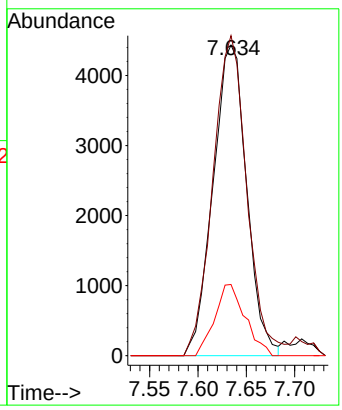


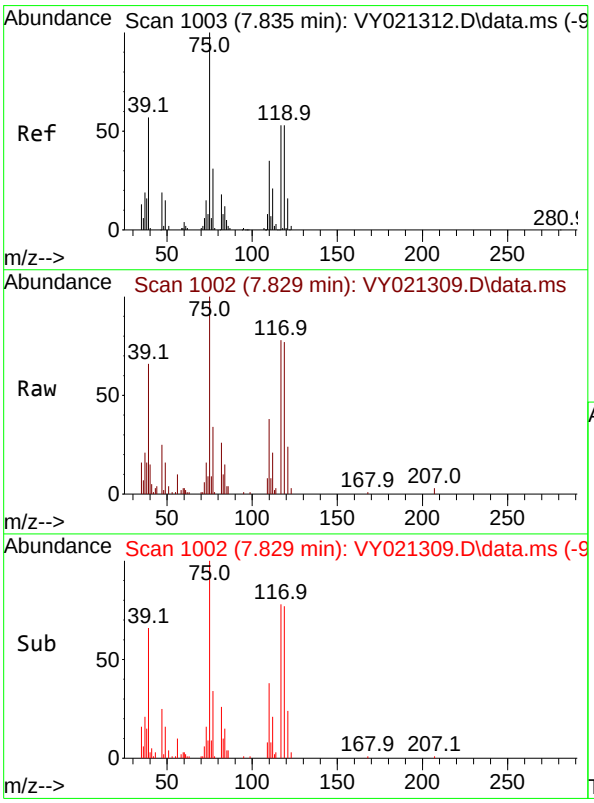

#35
Dibromofluoromethane
Concen: 5.637 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:113 Resp: 10715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.6 | 81.0 | 121.6 |
| 192 | 20.8 | 15.8 | 23.8 |

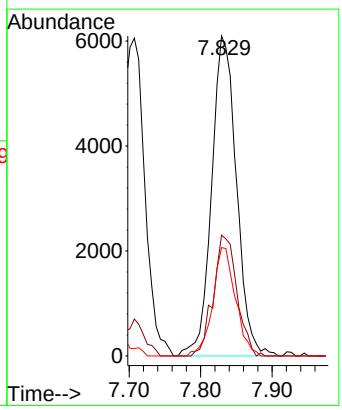


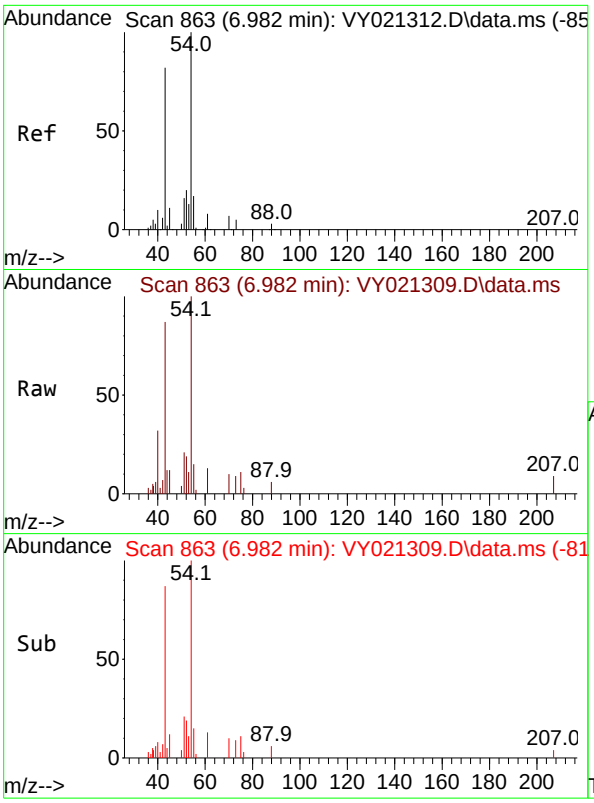




#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 14719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.9 | 16.9 | 50.7 |
| 77 | 31.0 | 24.6 | 36.8 |



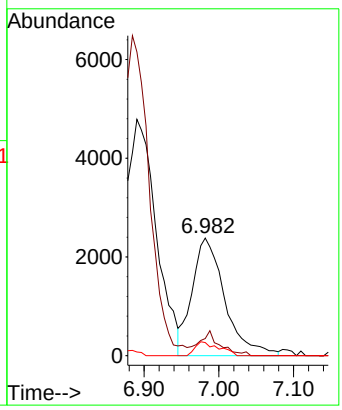


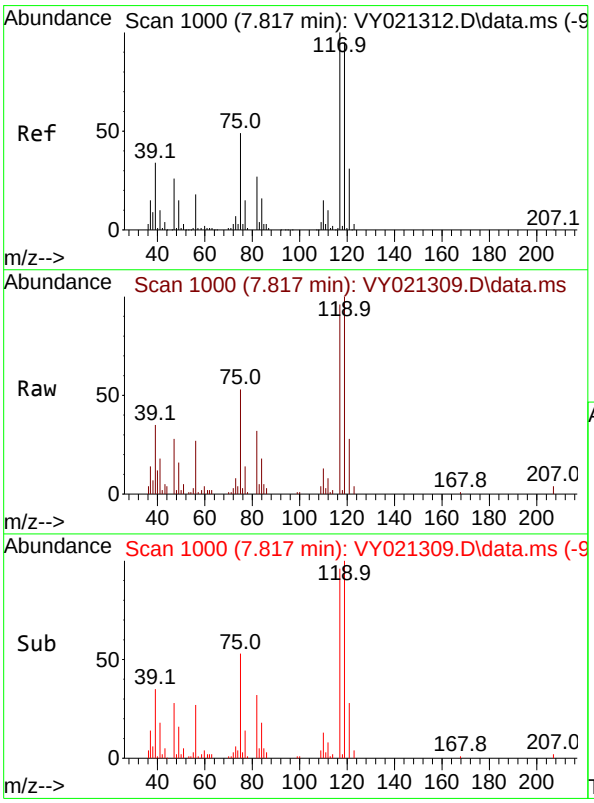

#37
Ethyl Acetate
Concen: 5.119 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 7270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 10.4 | 15.6 |
| 70 | 8.5 | 7.5 | 11.3 |

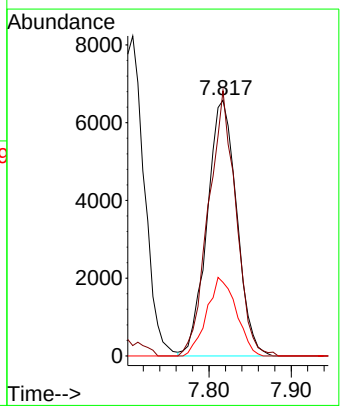


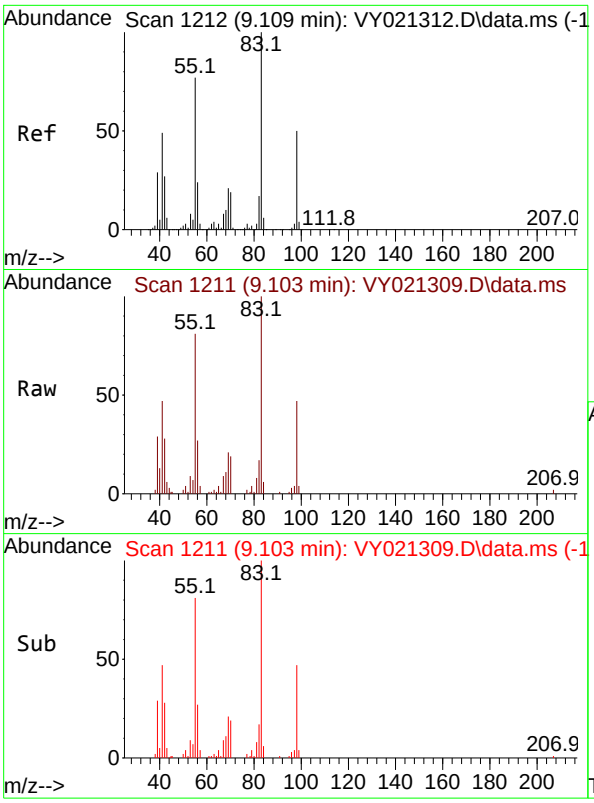




#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 16445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 103.8 | 76.0 | 114.0 |
| 121 | 28.8 | 24.9 | 37.3 |



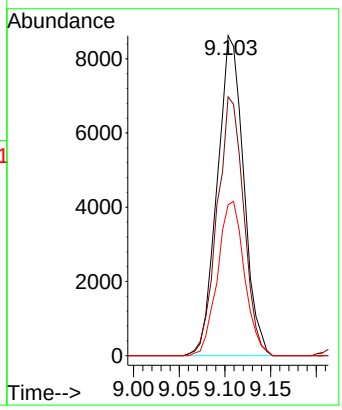


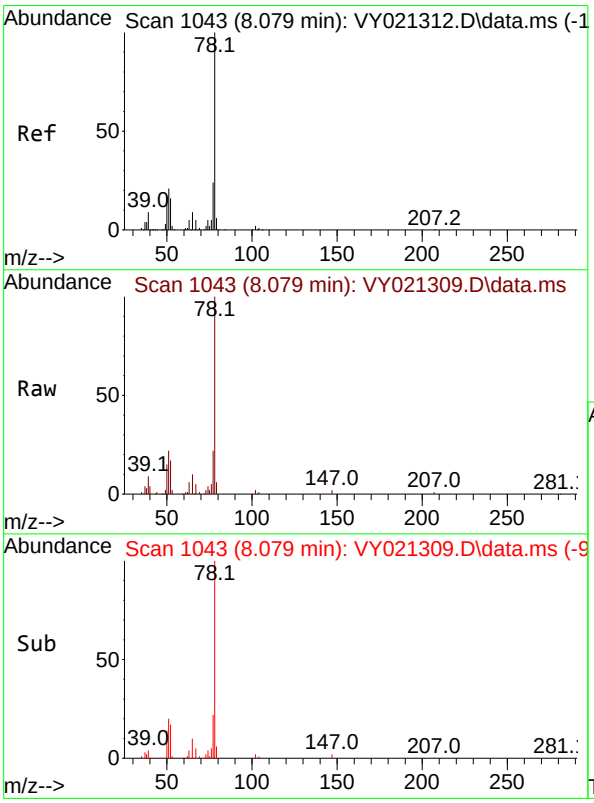

#39
Methylcyclohexane
Concen: 4.795 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 17316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.9 | 61.3 | 91.9 |
| 98 | 47.2 | 39.9 | 59.9 |

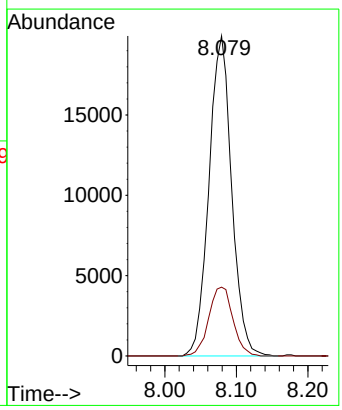


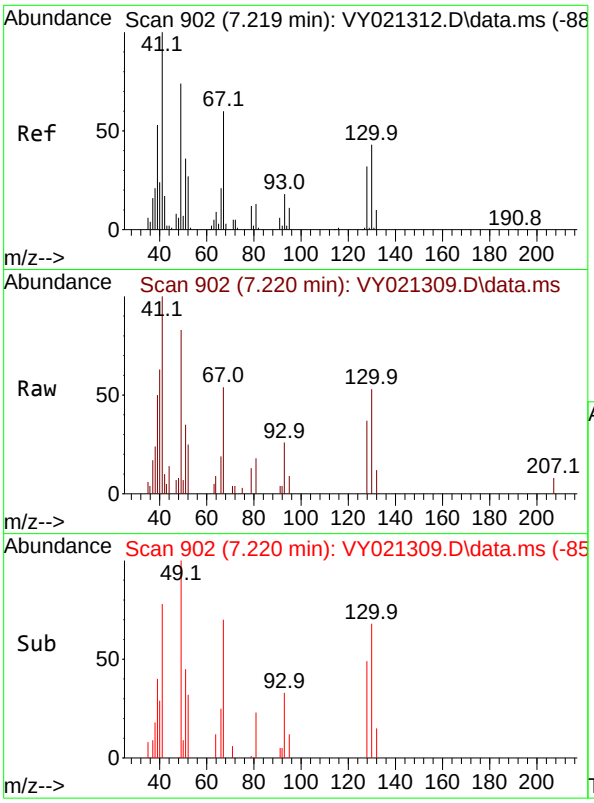




#40
Benzene
Concen: 5.203 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 78 Resp: 43912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.5 | 19.2 | 28.8 |



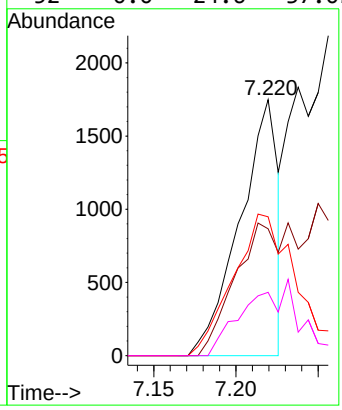


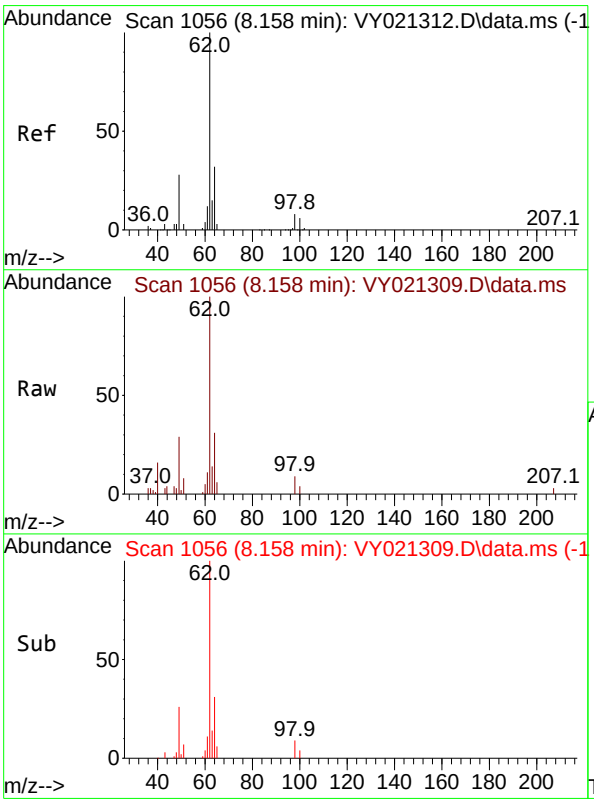

#41
Methacrylonitrile
Concen: 3.574 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 41 Resp: 2838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.3 | 42.3 | 63.5 |
| 67 | 89.5 | 54.8 | 82.2# |
| 52 | 0.0 | 24.6 | 37.0# |

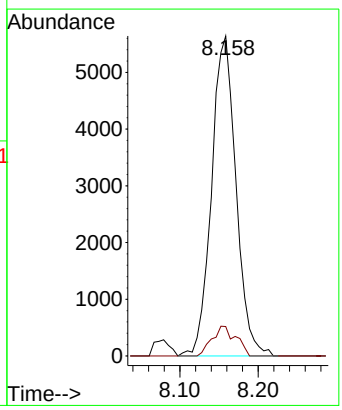


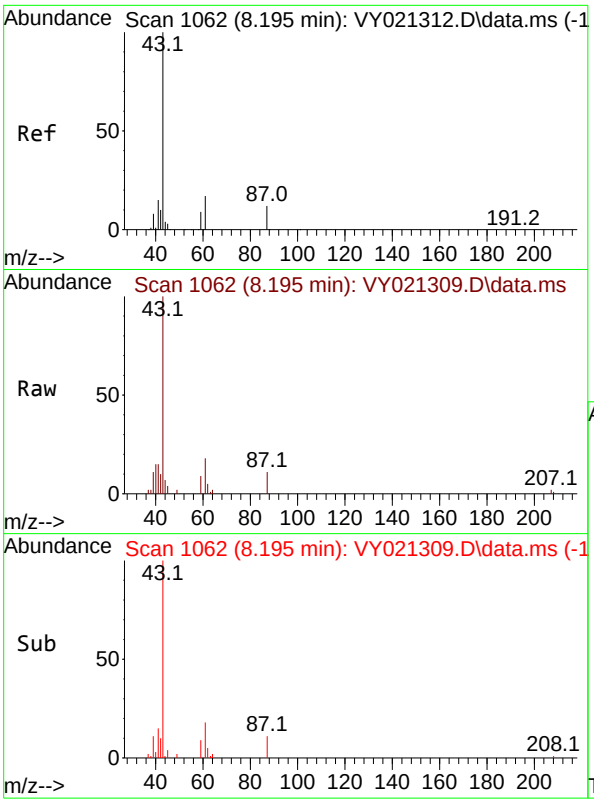




#42
1,2-Dichloroethane
Concen: 5.110 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 12236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.6 |



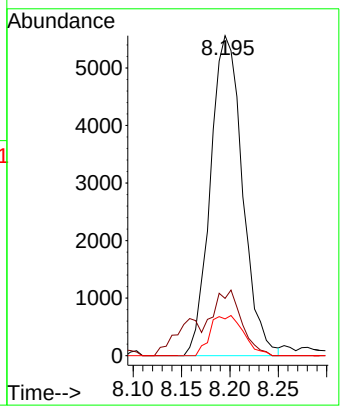


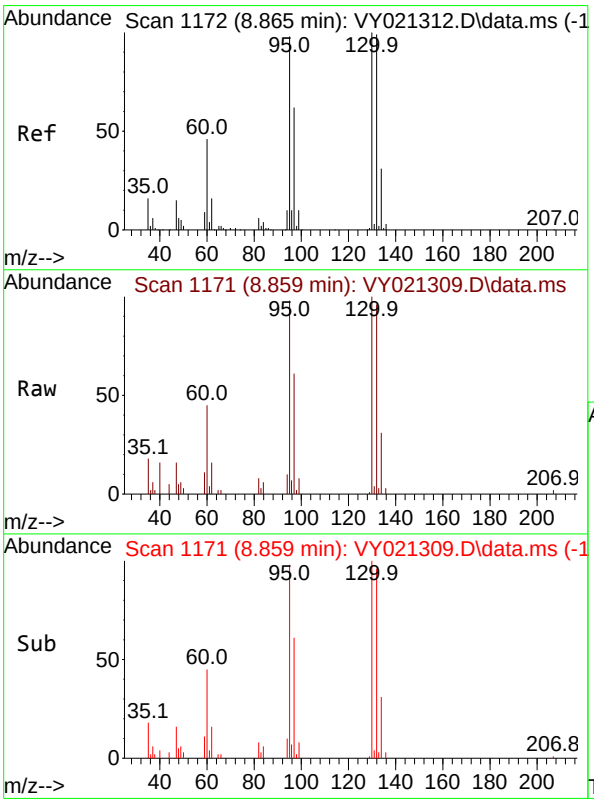

#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 12832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.7 | 15.0 | 22.6 |
| 87 | 13.0 | 10.0 | 15.0 |

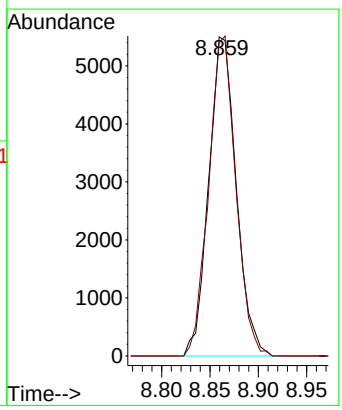


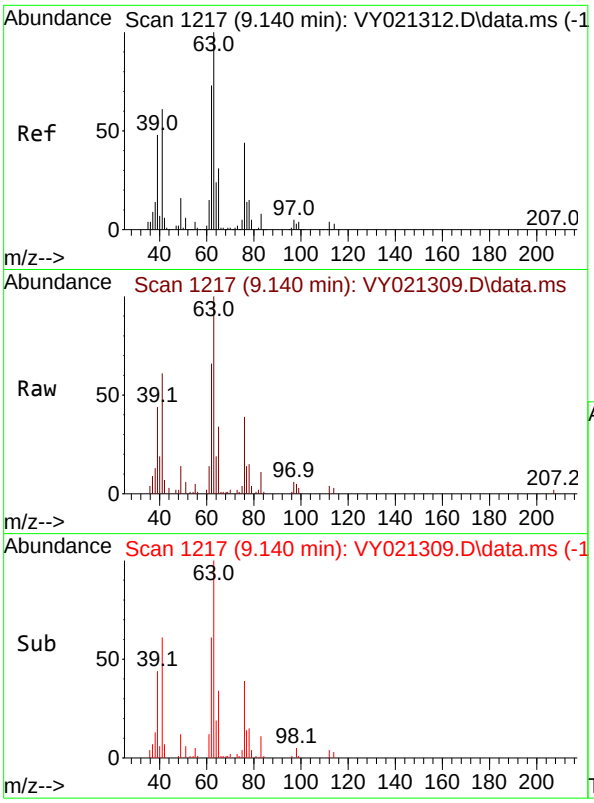




#44
Trichloroethene
Concen: 5.143 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:130 Resp: 10868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.2 | 0.0 | 196.0 |



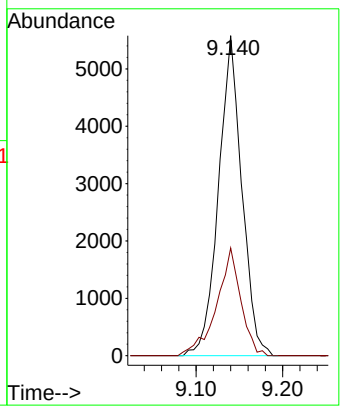


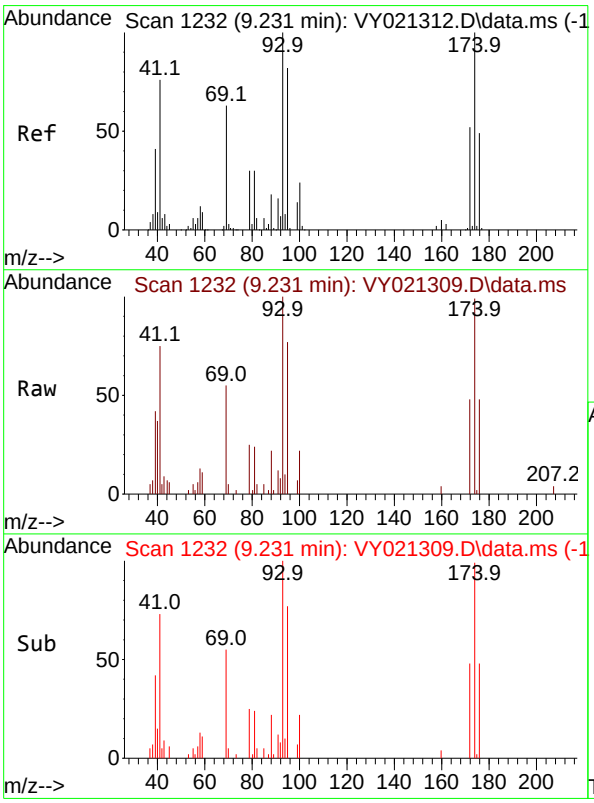

#45
1,2-Dichloropropane
Concen: 5.133 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 63 Resp: 10426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.6 | 24.6 | 36.8 |

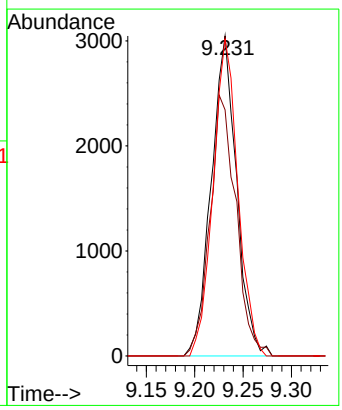


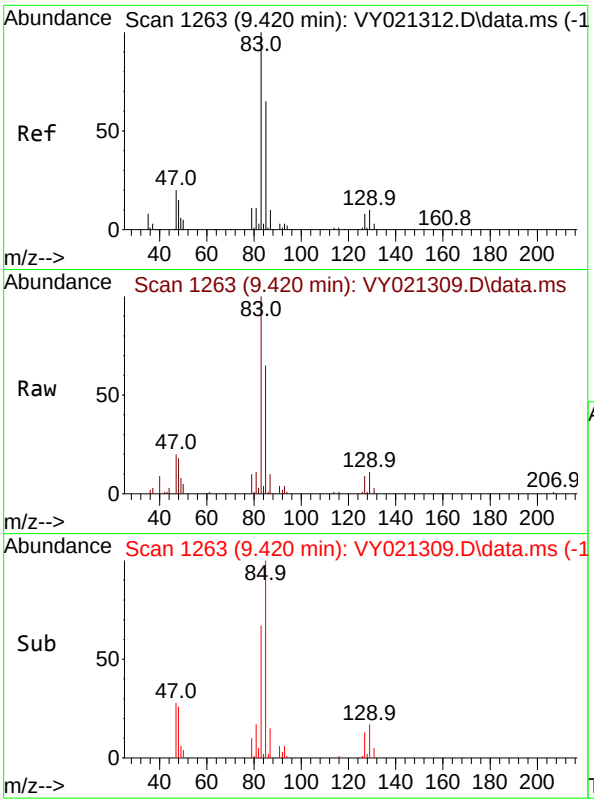




#46
Dibromomethane
Concen: 5.005 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 93 Resp: 5557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.1 | 66.4 | 99.6 |
| 174 | 97.3 | 78.2 | 117.2 |



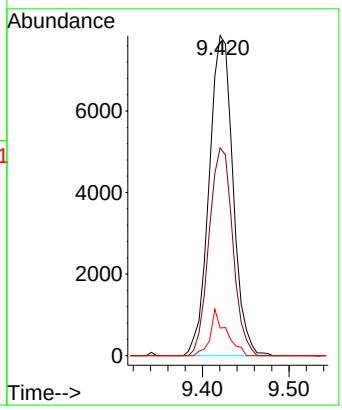


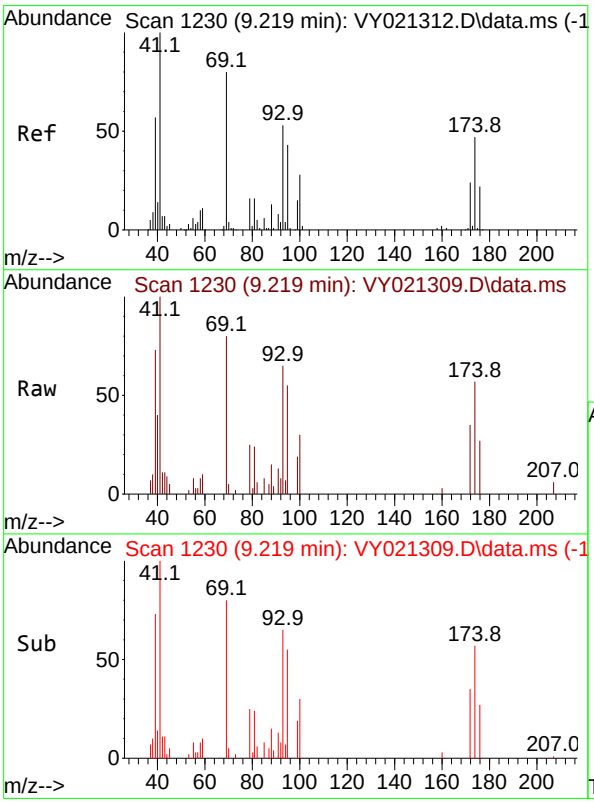

#47
Bromodichloromethane
Concen: 5.081 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 15042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 51.8 | 77.8 |
| 127 | 8.7 | 6.7 | 10.1 |

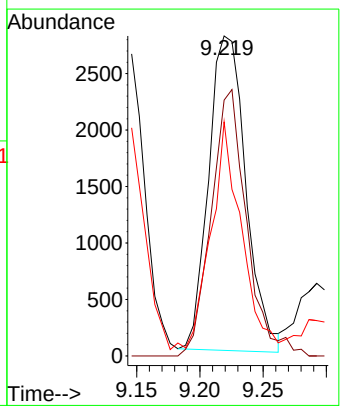


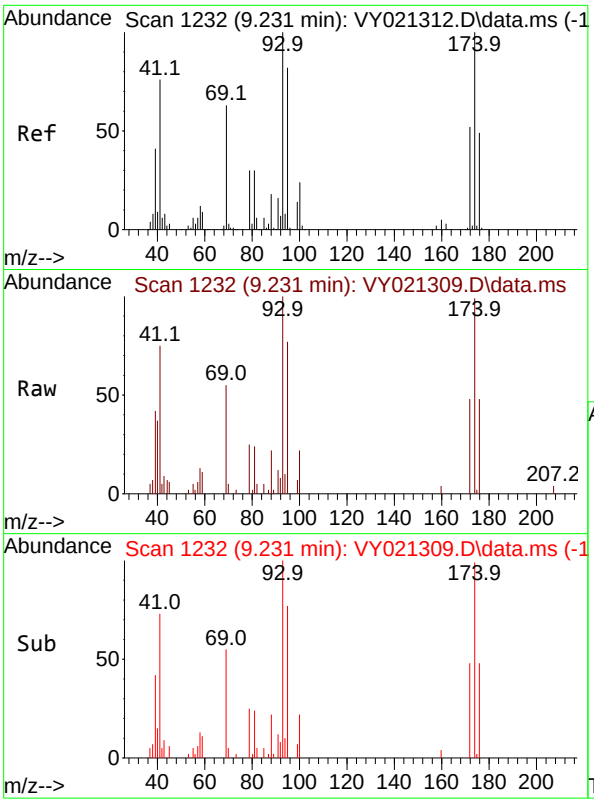




#48
Methyl methacrylate
Concen: 4.433 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 5698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.6 | 63.3 | 94.9 |
| 39 | 62.7 | 45.0 | 67.6 |



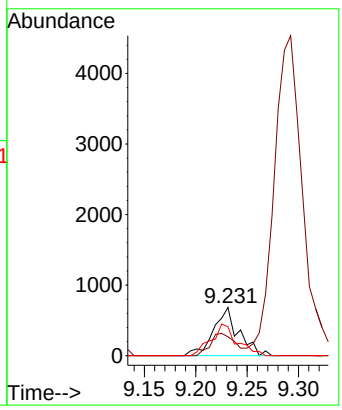


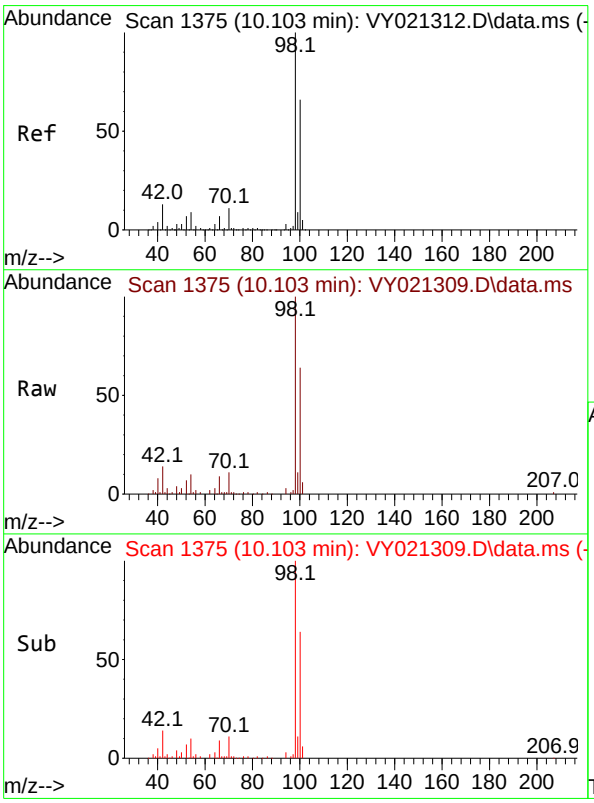

#49
1,4-Dioxane
Concen: 94.292 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 88 Resp: 1164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.6 | 34.8 | 52.2 |
| 58 | 67.1 | 59.8 | 89.6 |

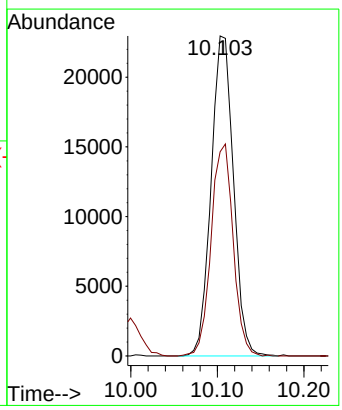


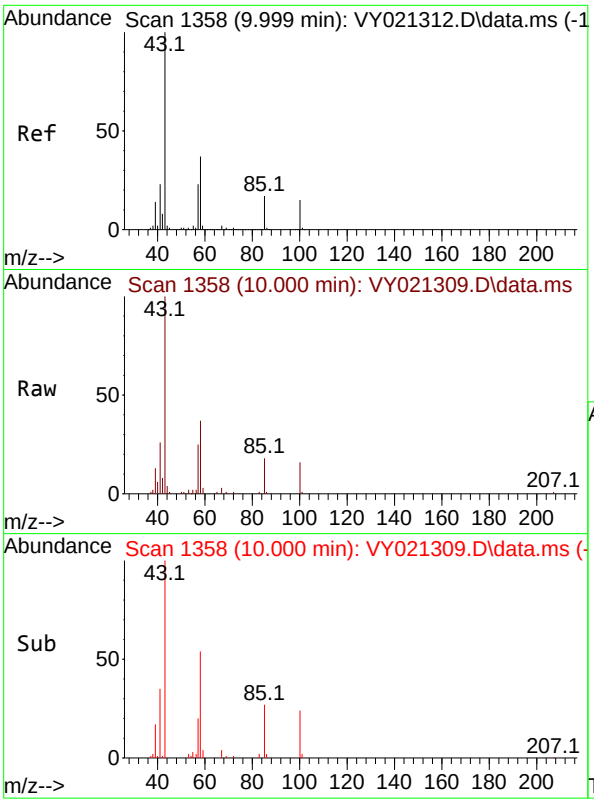




#50
Toluene-d8
Concen: 5.603 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 98 Resp: 41158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.3 | 52.4 | 78.6 |



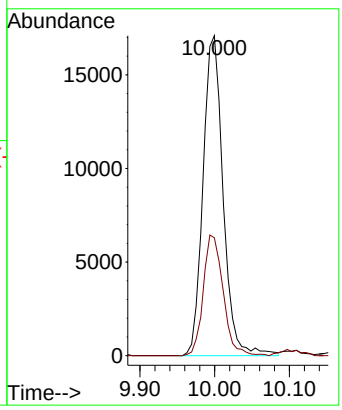


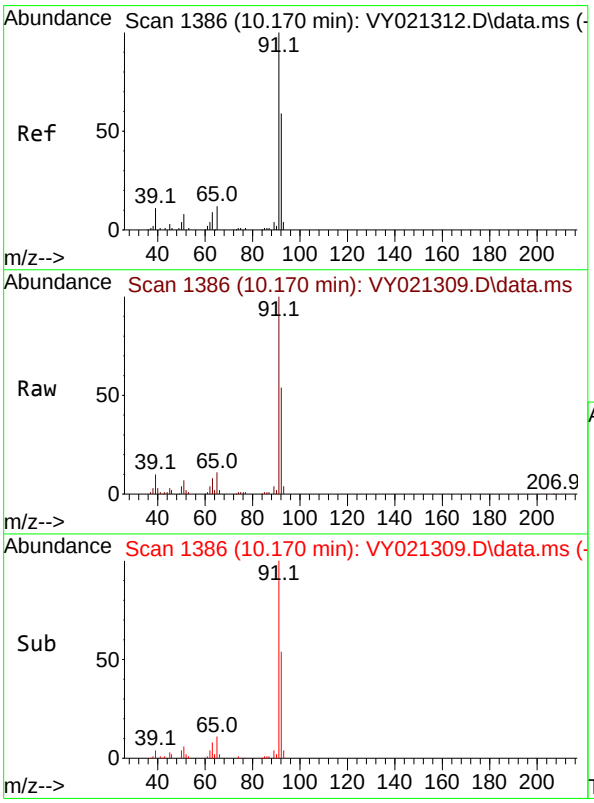

#51
4-Methyl-2-Pentanone
Concen: 22.677 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 31910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.3 | 30.1 | 45.1 |

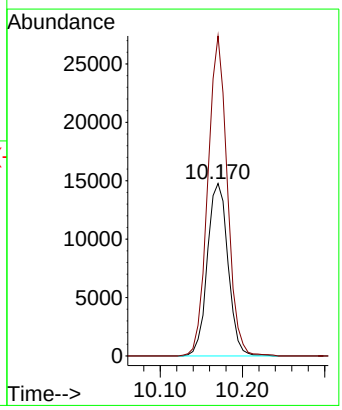


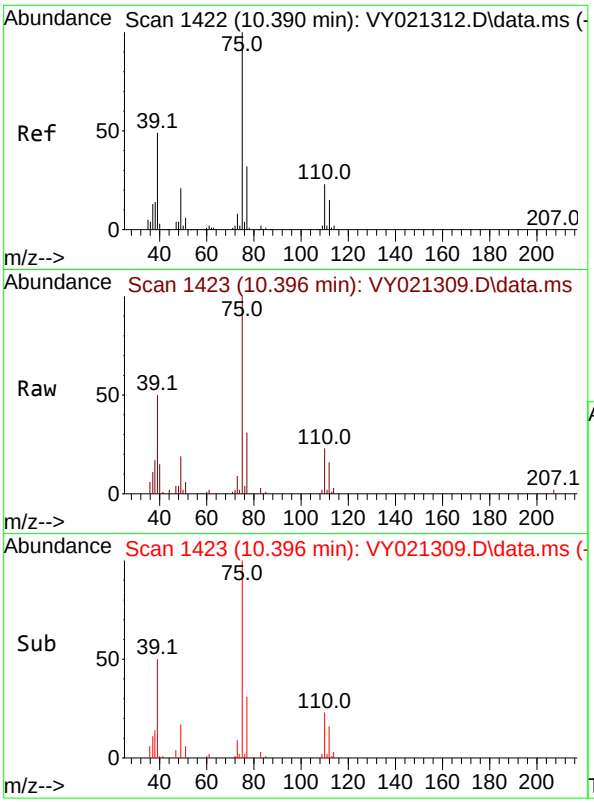




#52
Toluene
Concen: 4.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 92 Resp: 25715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.2 | 137.8 | 206.8 |



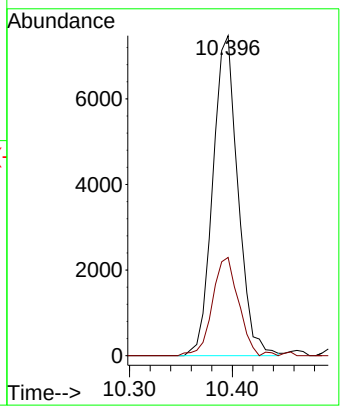


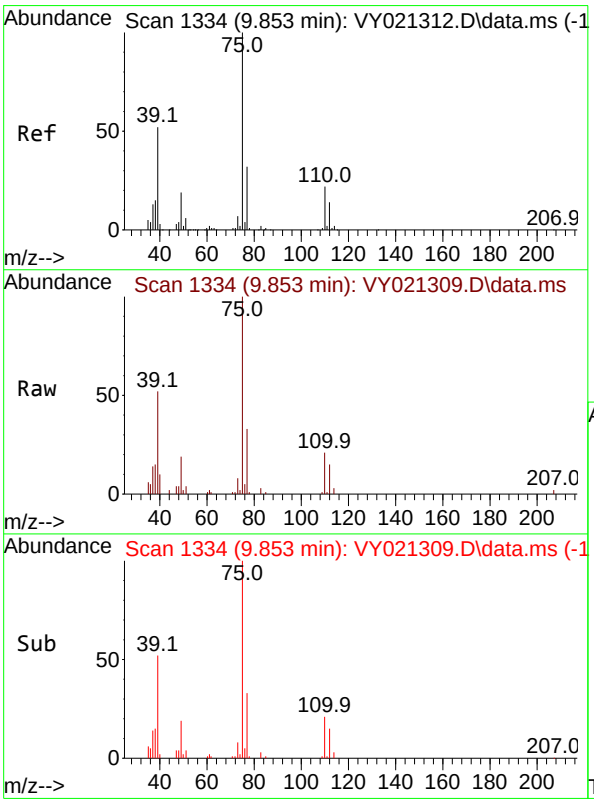

#53
t-1,3-Dichloropropene
Concen: 4.682 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 12697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.3 | 37.9 |

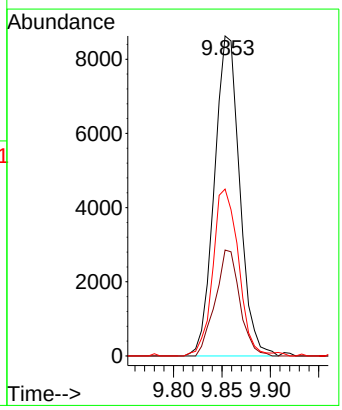


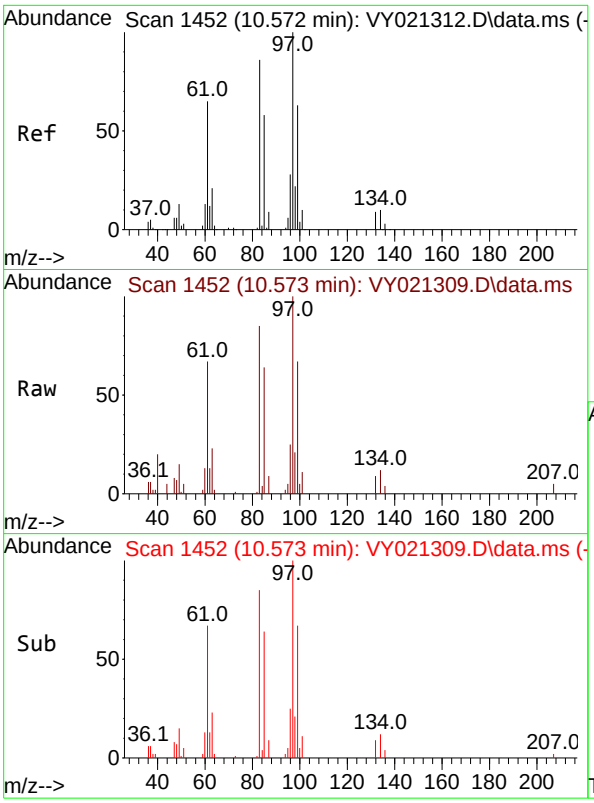




#54
cis-1,3-Dichloropropene
Concen: 4.899 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 15685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 25.7 | 38.5 |
| 39 | 52.2 | 41.8 | 62.6 |



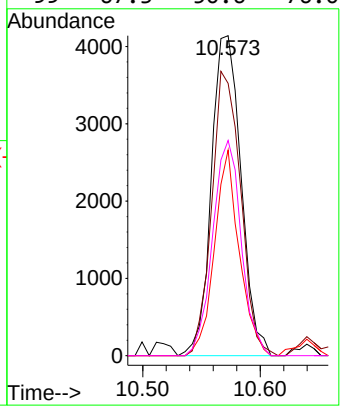


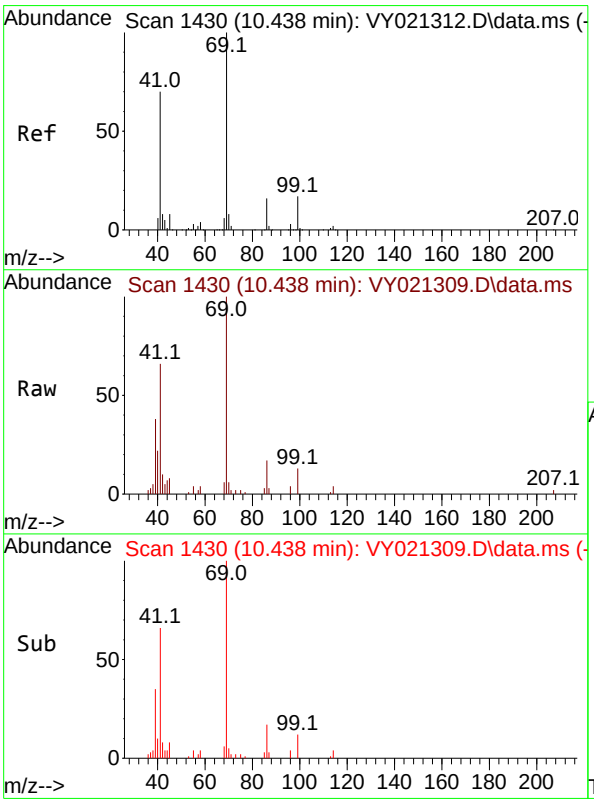

#55
1,1,2-Trichloroethane
Concen: 5.019 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 97 Resp: 7259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.1 | 68.7 | 103.1 |
| 85 | 64.3 | 46.3 | 69.5 |
| 99 | 67.3 | 50.6 | 76.0 |

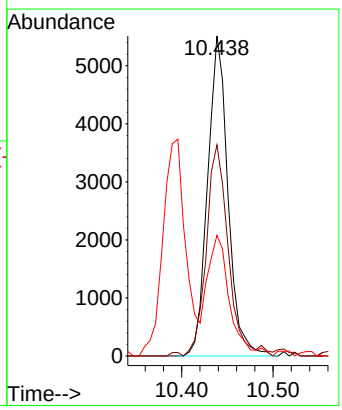


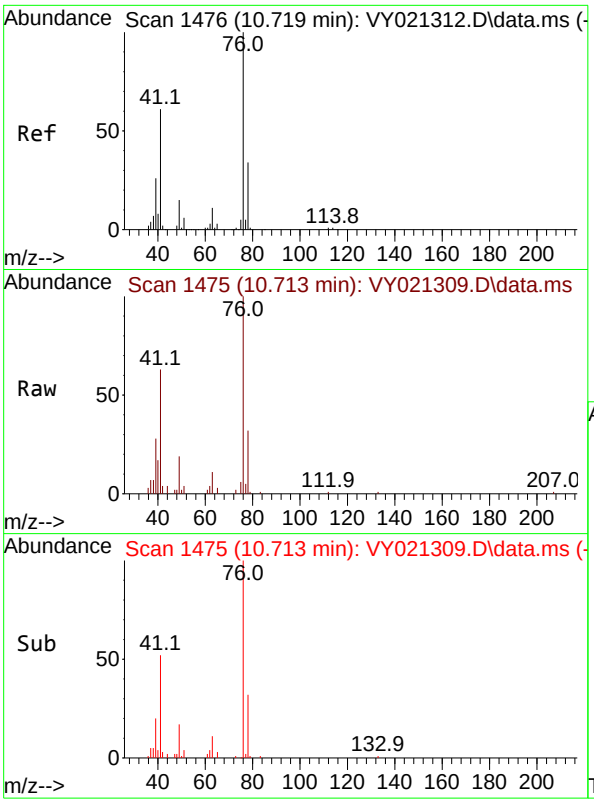




#56
Ethyl methacrylate
Concen: 4.267 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 69 Resp: 8528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.9 | 56.2 | 84.4 |
| 39 | 40.8 | 32.7 | 49.1 |



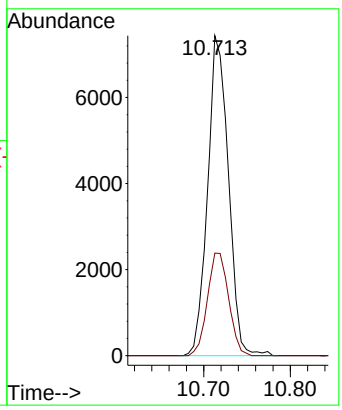


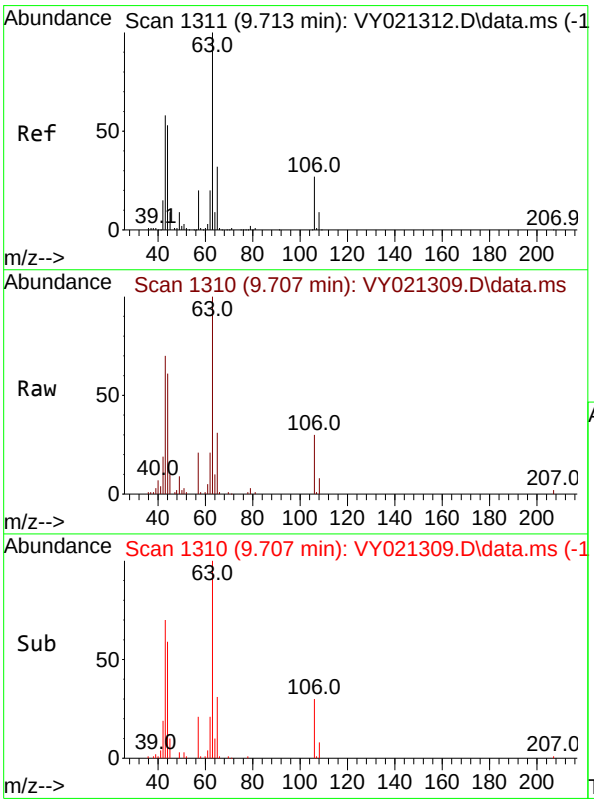

#57
1,3-Dichloropropane
Concen: 4.880 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 12384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 25.9 | 38.9 |

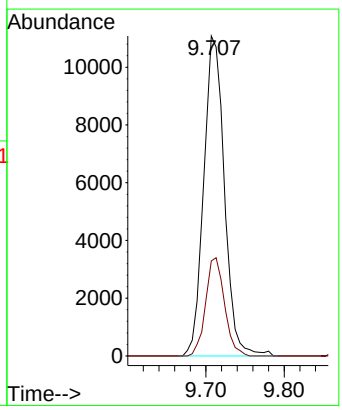


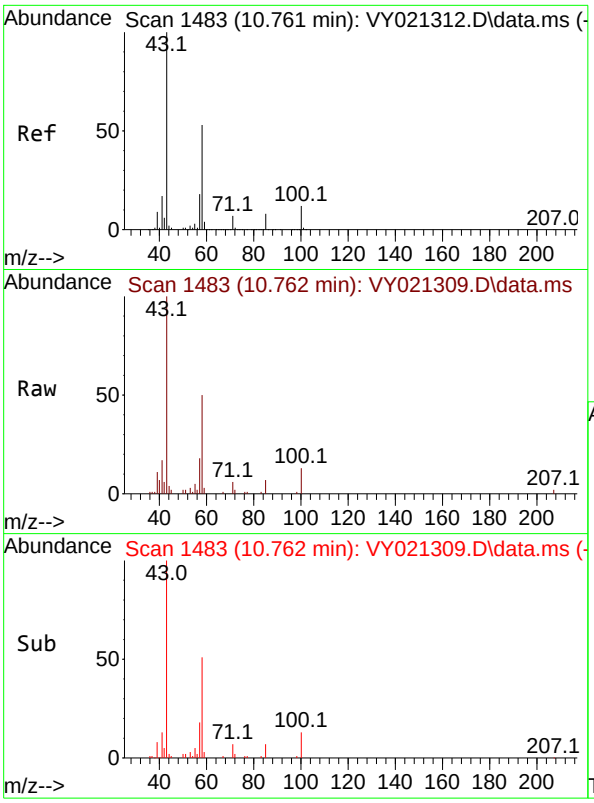




#58
2-Chloroethyl Vinyl ether
Concen: 21.153 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 20290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.0 | 21.7 | 32.5 |



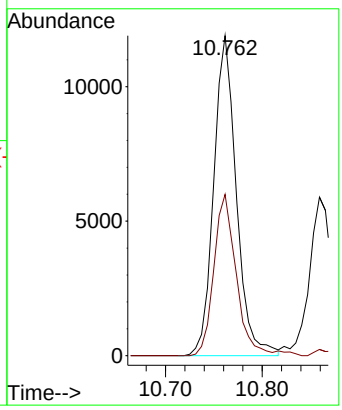


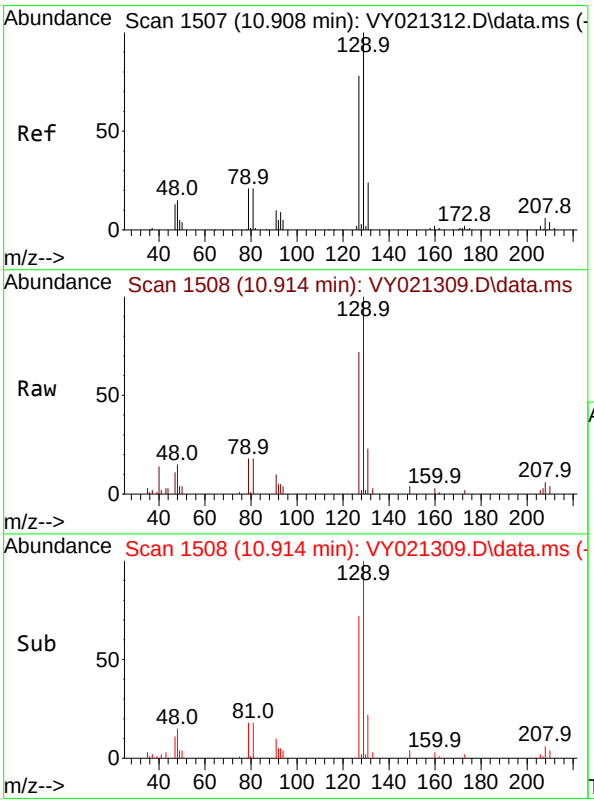

#59
2-Hexanone
Concen: 20.897 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 19312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.3 | 25.9 | 77.6 |

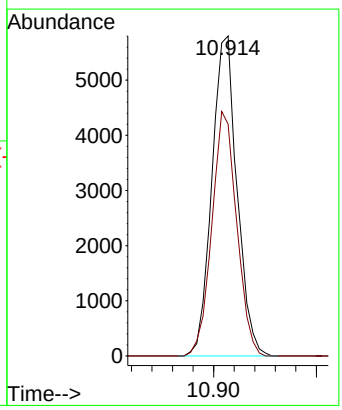


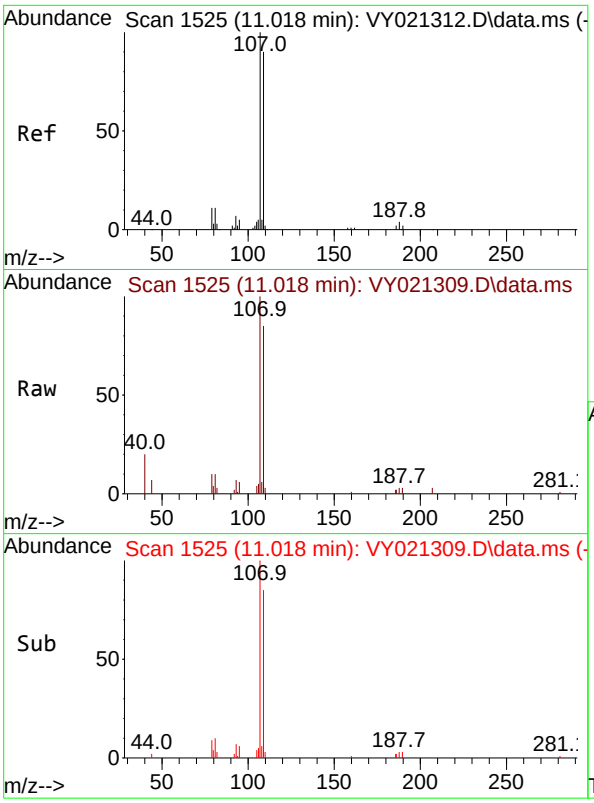




#60
Dibromochloromethane
Concen: 4.998 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:129 Resp: 9844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.4 | 38.8 | 116.4 |



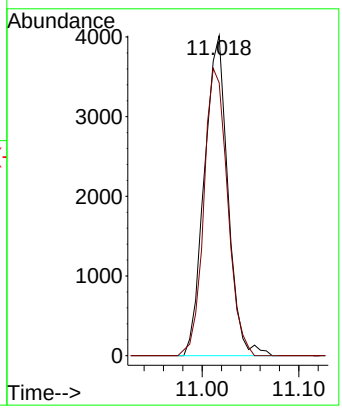


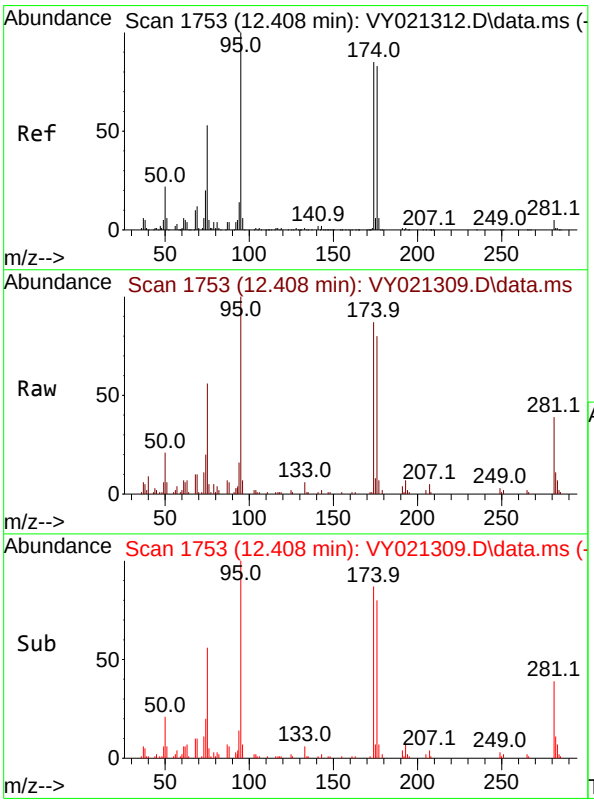

#61
1,2-Dibromoethane
Concen: 4.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:107 Resp: 6792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 90.5 | 73.8 | 110.8 |

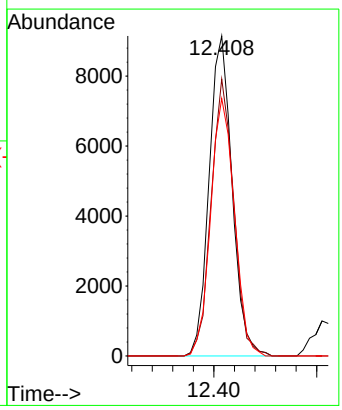


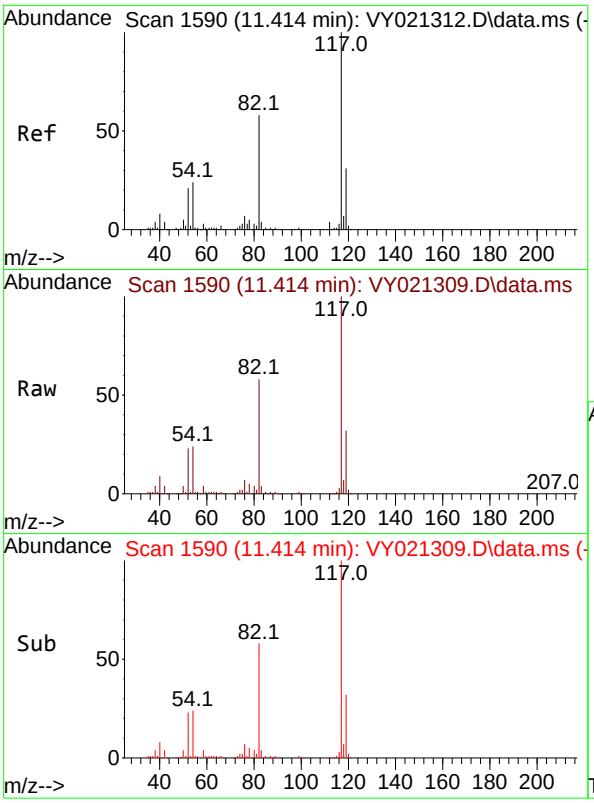




#62
4-Bromofluorobenzene
Concen: 5.741 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 95 Resp: 14192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.3 | 0.0 | 168.0 |
| 176 | 83.1 | 0.0 | 162.6 |



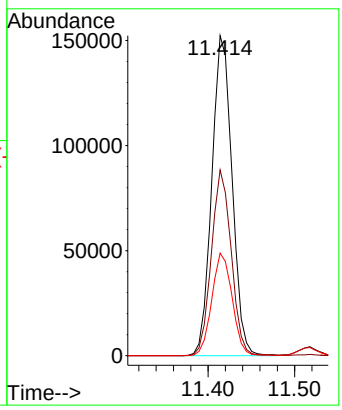


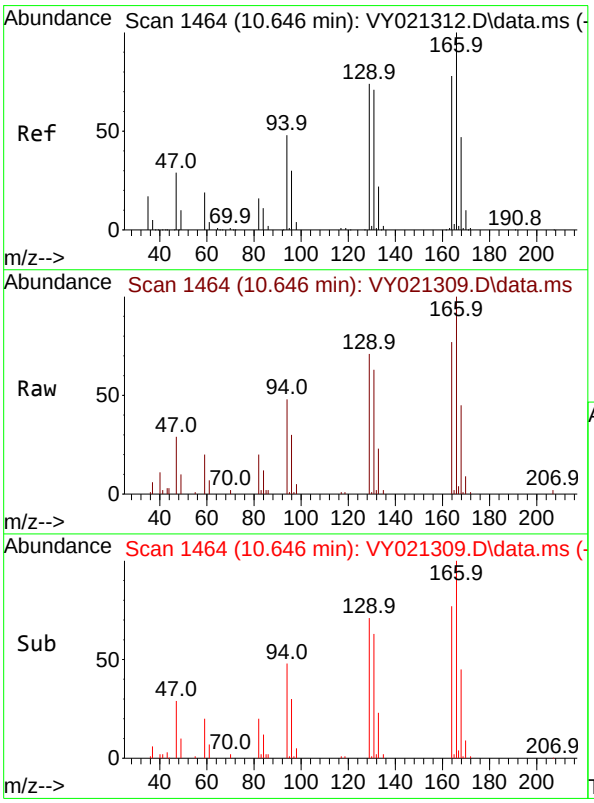

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:117 Resp: 247837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 46.2 | 69.4 |
| 119 | 32.0 | 24.9 | 37.3 |

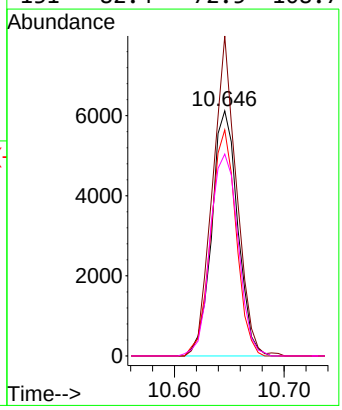


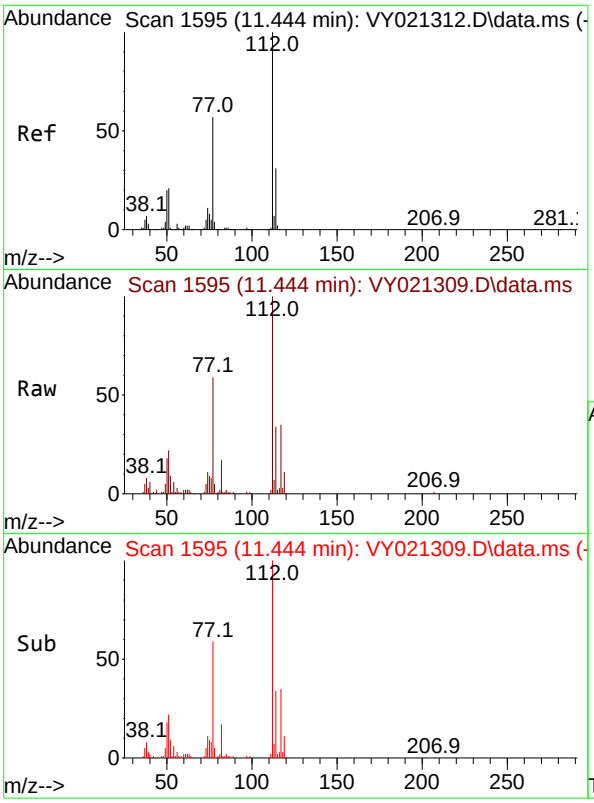




#64
Tetrachloroethene
Concen: 5.361 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:164 Resp: 10042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.6 | 101.9 | 152.9 |
| 129 | 92.3 | 75.5 | 113.3 |
| 131 | 82.4 | 72.5 | 108.7 |



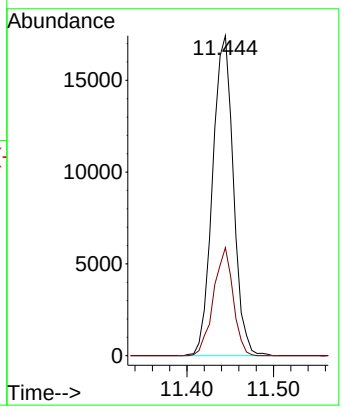


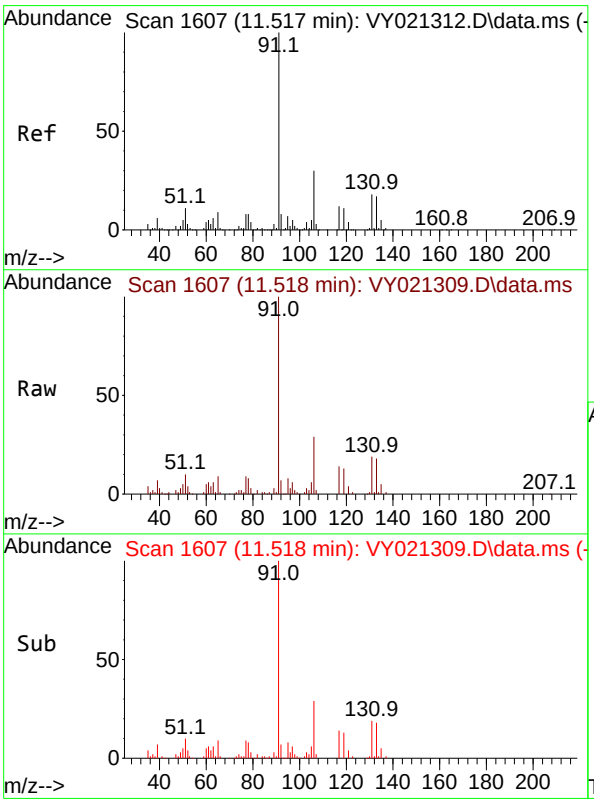

#65
Chlorobenzene
Concen: 5.217 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:112 Resp: 29025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.8 | 25.0 | 37.6 |

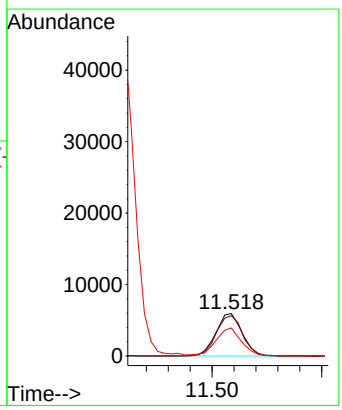


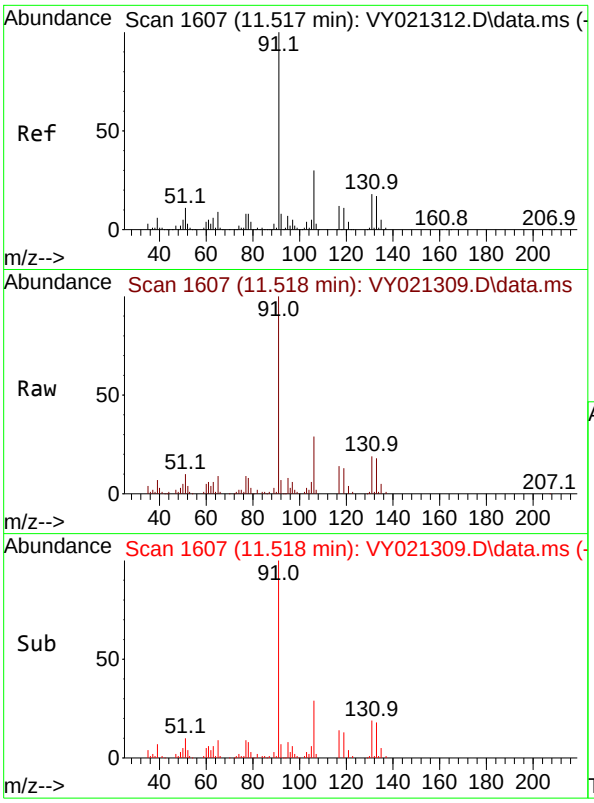




#66
1,1,1,2-Tetrachloroethane
Concen: 5.043 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:131 Resp: 9824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.8 | 47.9 | 143.6 |
| 119 | 64.5 | 31.7 | 95.1 |



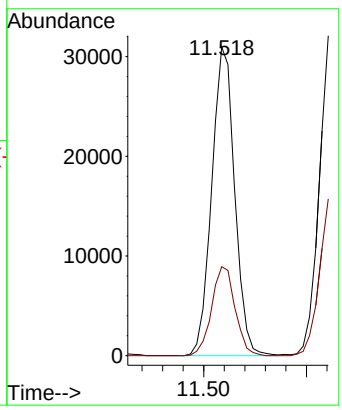


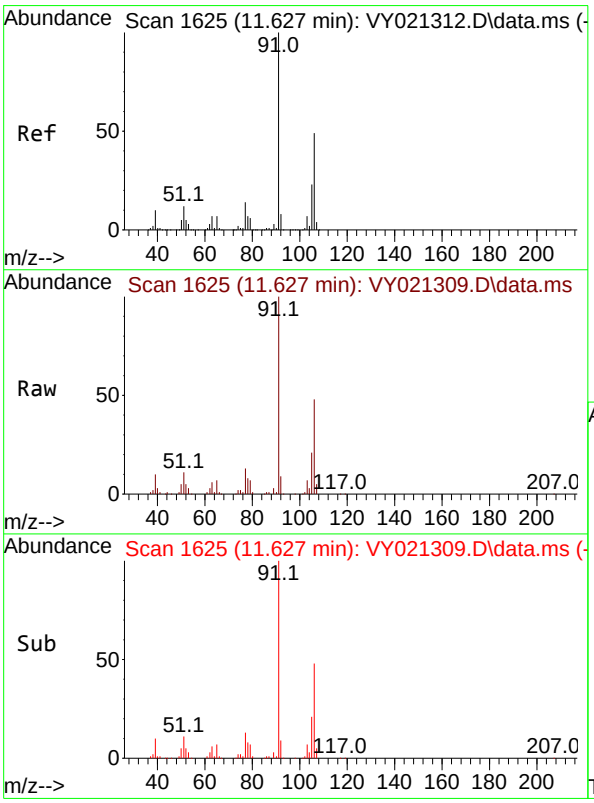

#67
Ethyl Benzene
Concen: 4.874 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 48026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.8 | 24.4 | 36.6 |

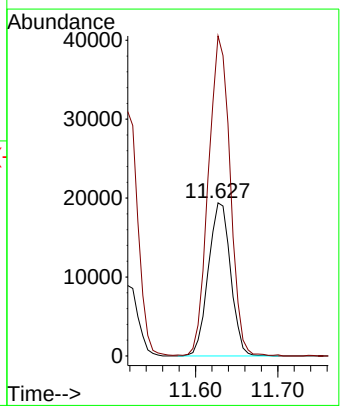


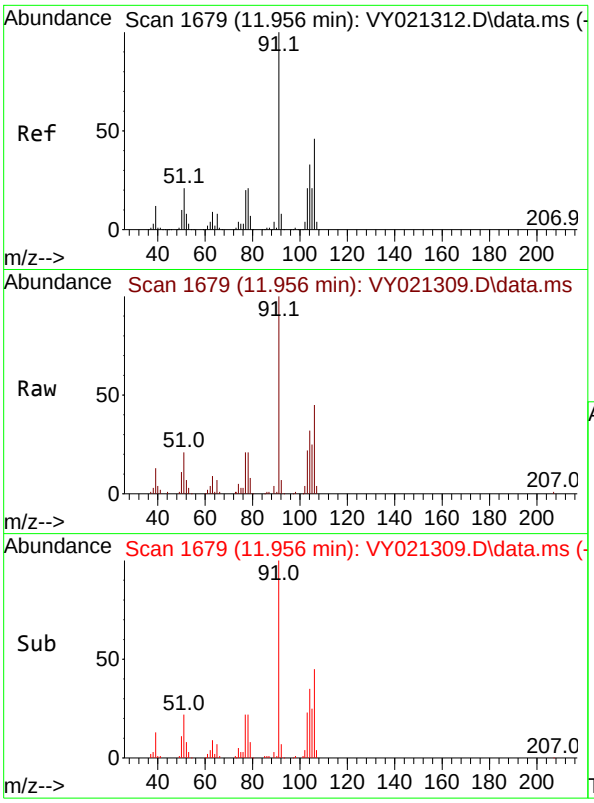




#68
m/p-Xylenes
Concen: 9.833 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 36446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.1 | 163.9 | 245.9 |



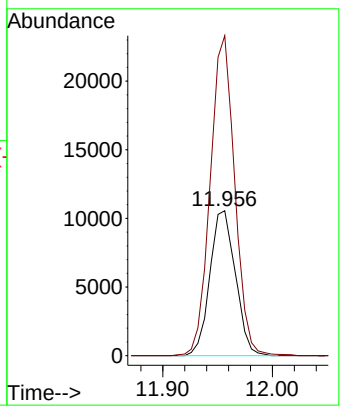


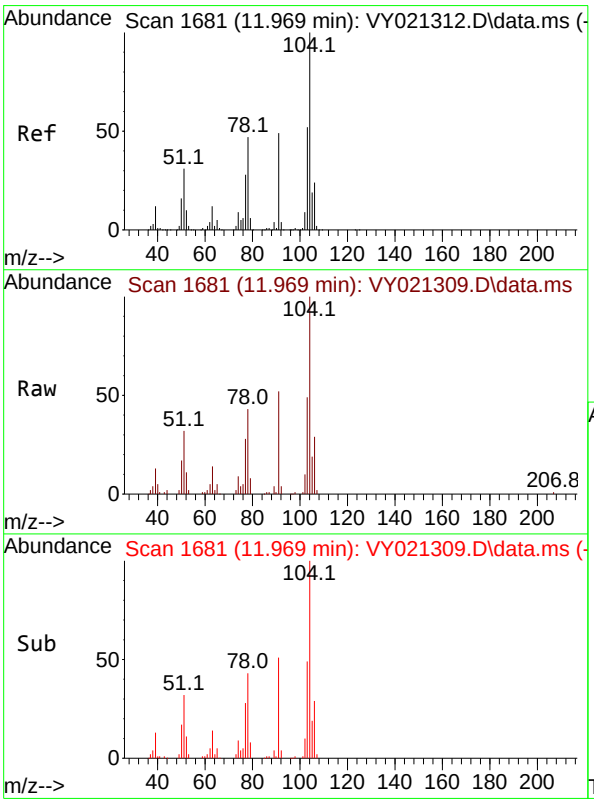

#69
o-Xylene
Concen: 4.920 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:106 Resp: 17085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.7 | 108.1 | 324.2 |

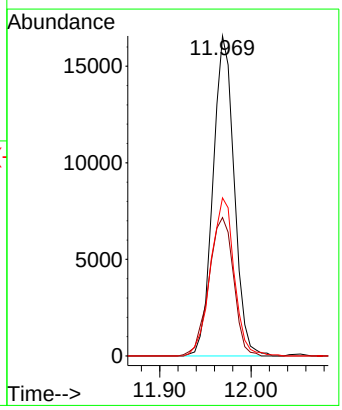


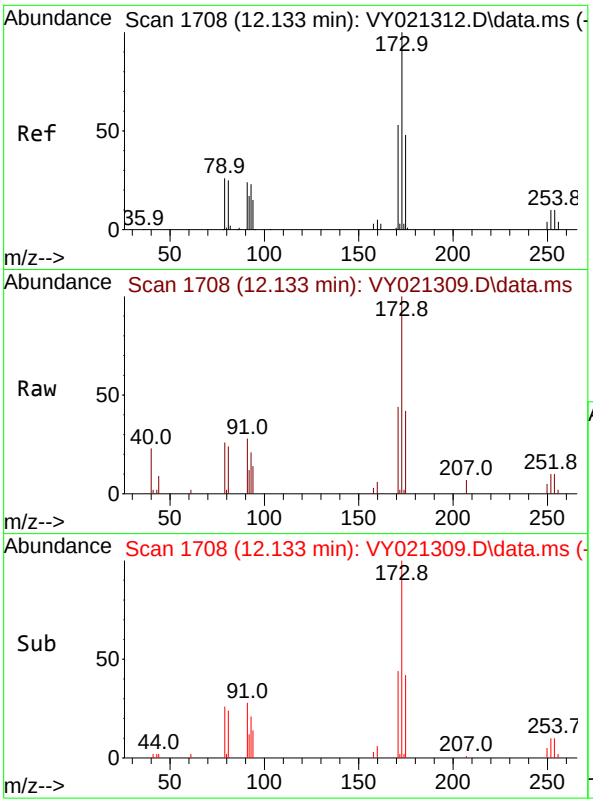




#70
Styrene
Concen: 4.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:104 Resp: 26787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.1 | 41.3 | 61.9 |
| 103 | 54.9 | 43.9 | 65.9 |



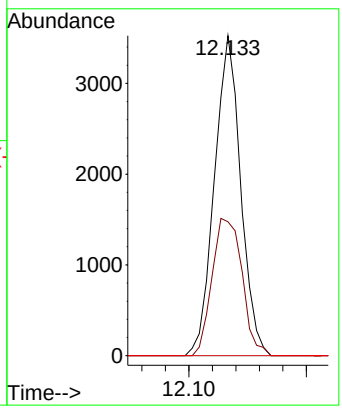


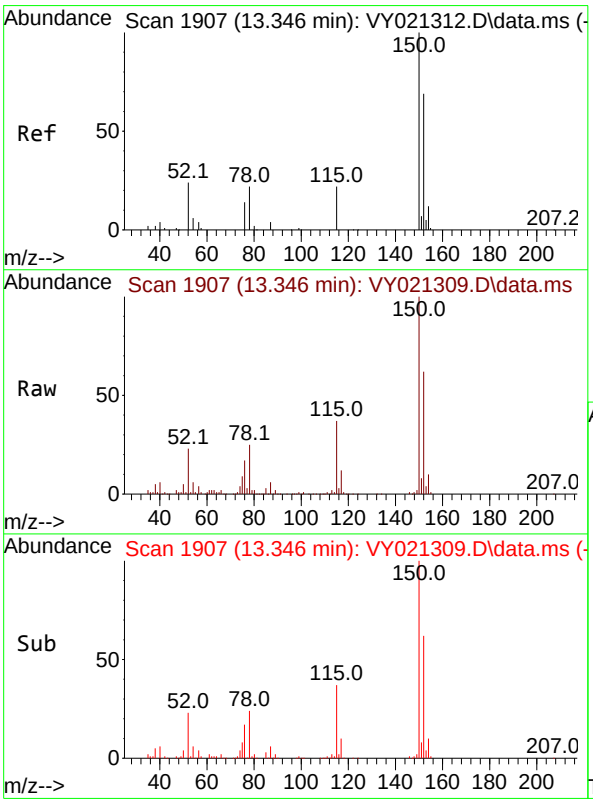

#71
Bromoform
Concen: 4.916 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:173 Resp: 5478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1# |

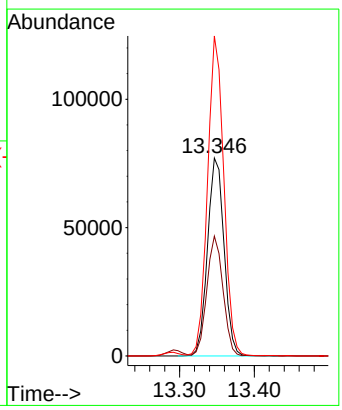


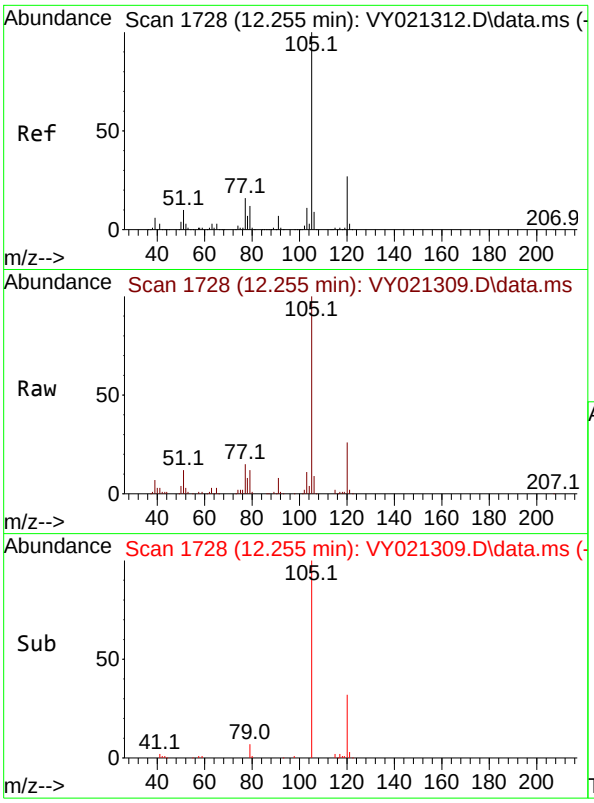




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:152 Resp: 118690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.1 | 29.3 | 88.0 |
| 150 | 158.5 | 0.0 | 347.4 |



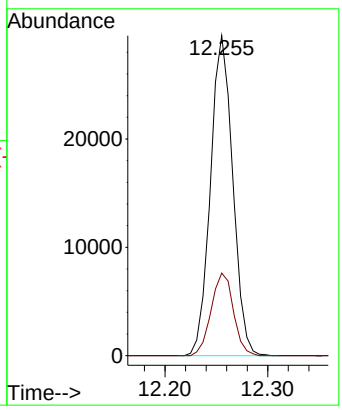


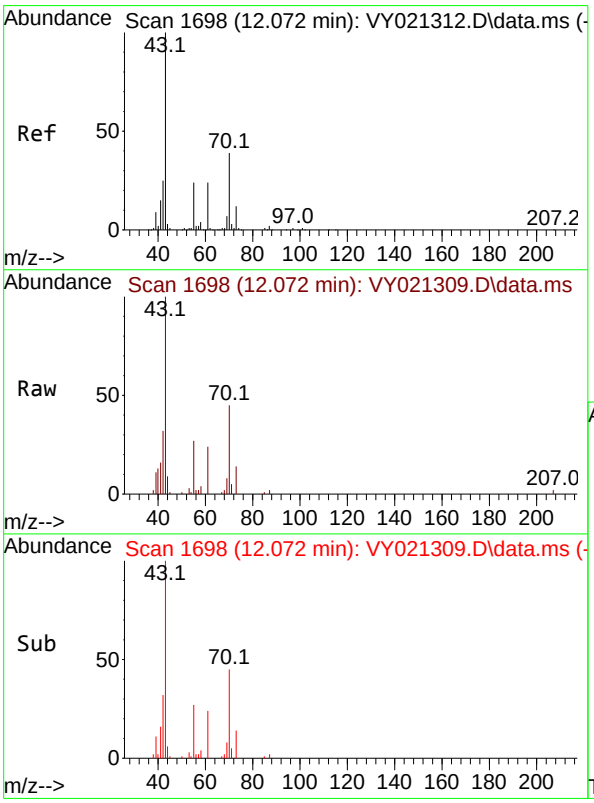

#73
Isopropylbenzene
Concen: 4.980 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 44434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.3 | 39.8 |

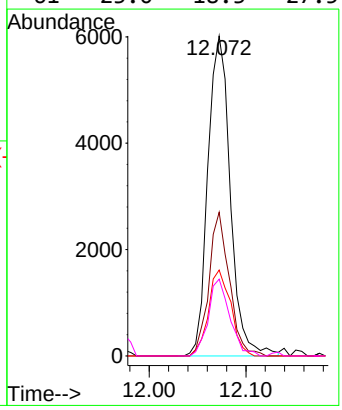


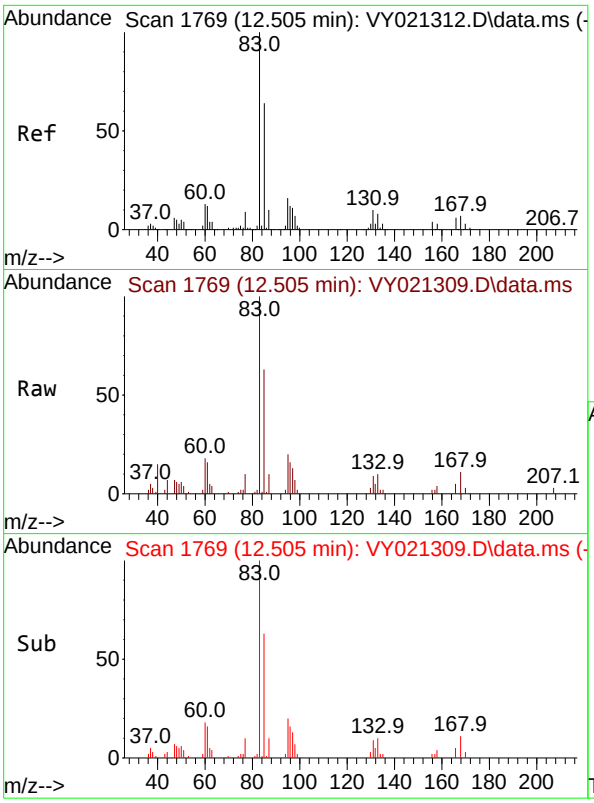




#74
N-amyl acetate
Concen: 4.283 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.9 | 32.2 | 48.2 |
| 55 | 26.7 | 19.6 | 29.4 |
| 61 | 23.0 | 18.3 | 27.5 |



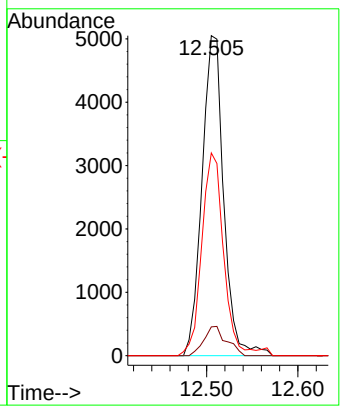


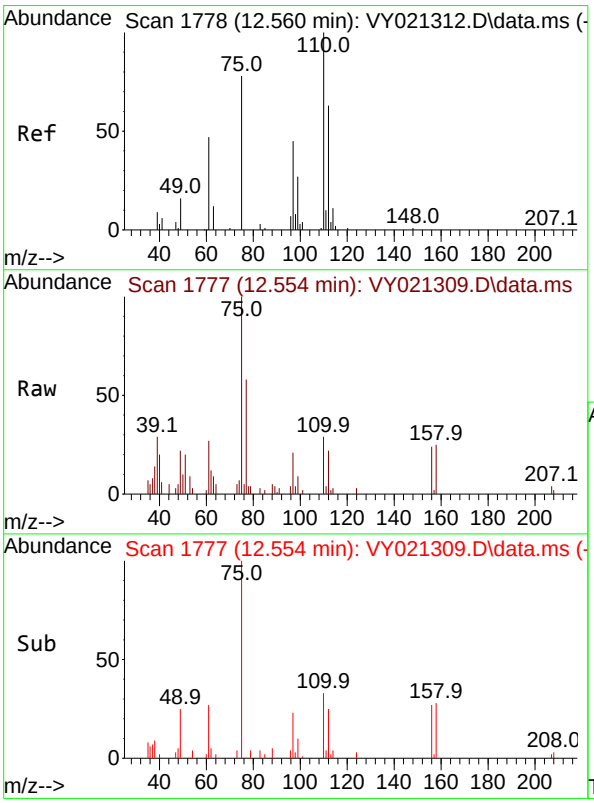

#75
1,1,2,2-Tetrachloroethane
Concen: 5.276 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 8309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.5 | 5.2 | 15.6 |
| 85 | 63.4 | 32.0 | 96.0 |

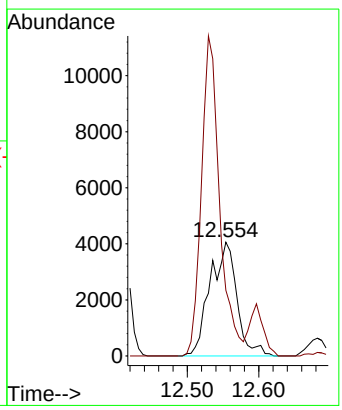


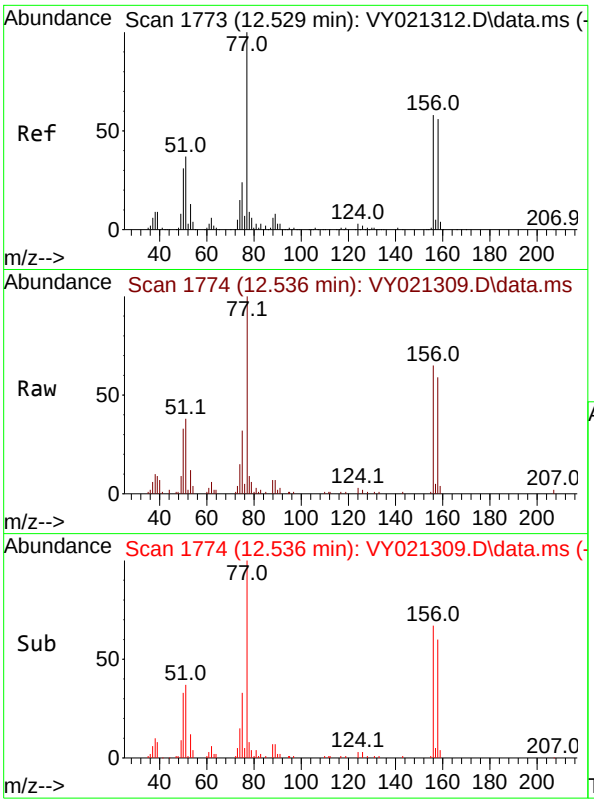




#76
1,2,3-Trichloropropane
Concen: 8.890 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 10626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



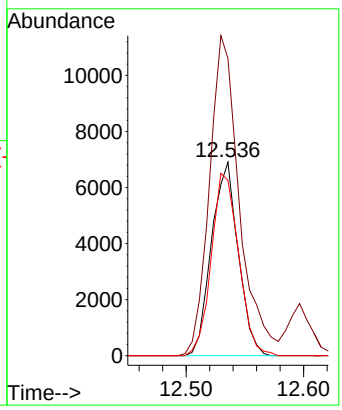


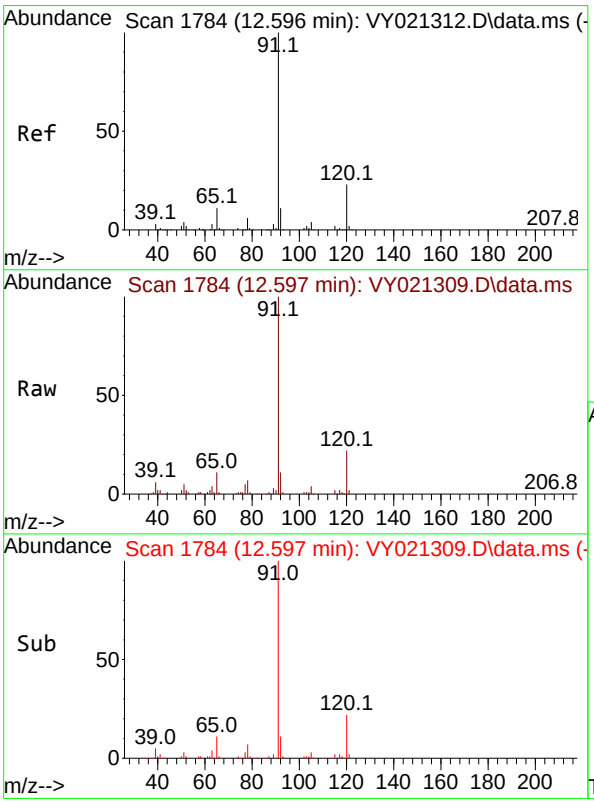

#77
Bromobenzene
Concen: 5.257 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:156 Resp: 10911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.6 | 94.0 | 282.1 |
| 158 | 96.6 | 48.7 | 146.1 |

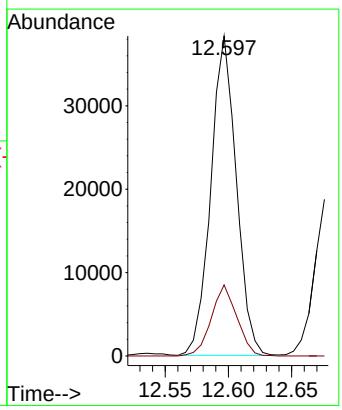


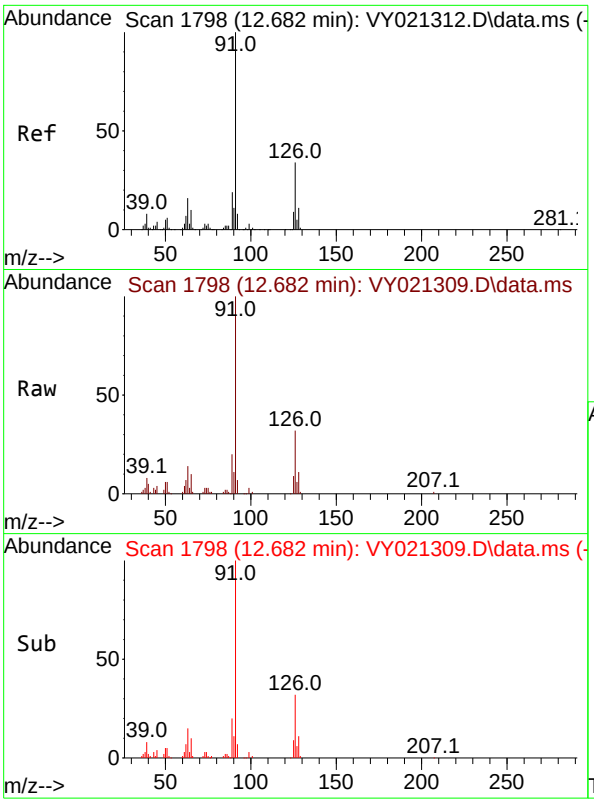




#78
n-propylbenzene
Concen: 4.968 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 53794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.2 | 33.5 |



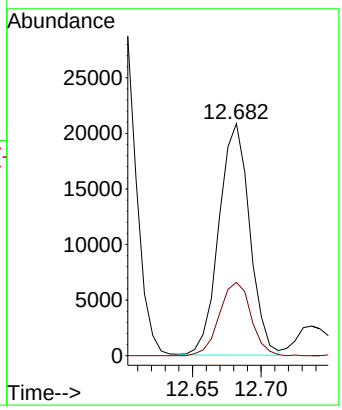


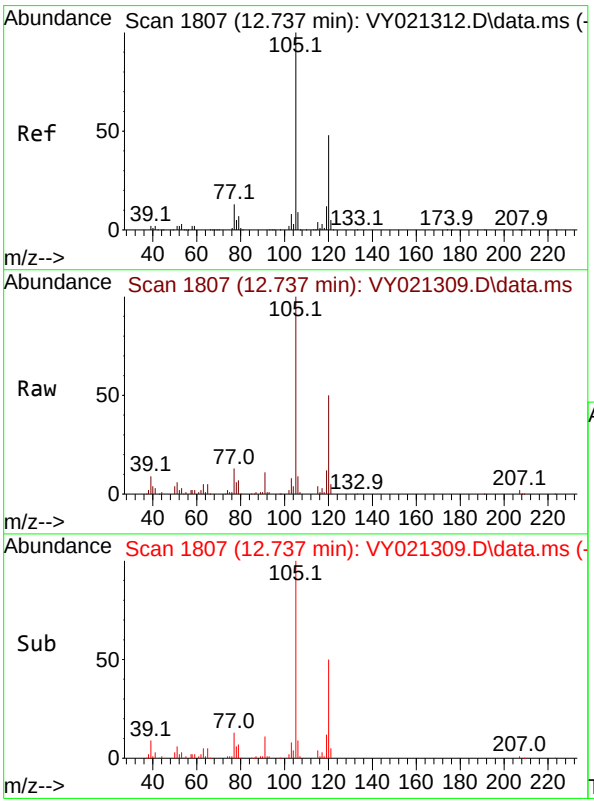

#79
2-Chlorotoluene
Concen: 5.235 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 32529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.9 | 50.6 |

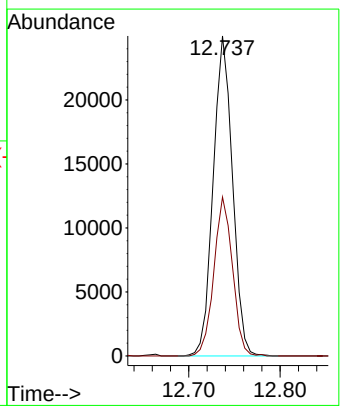


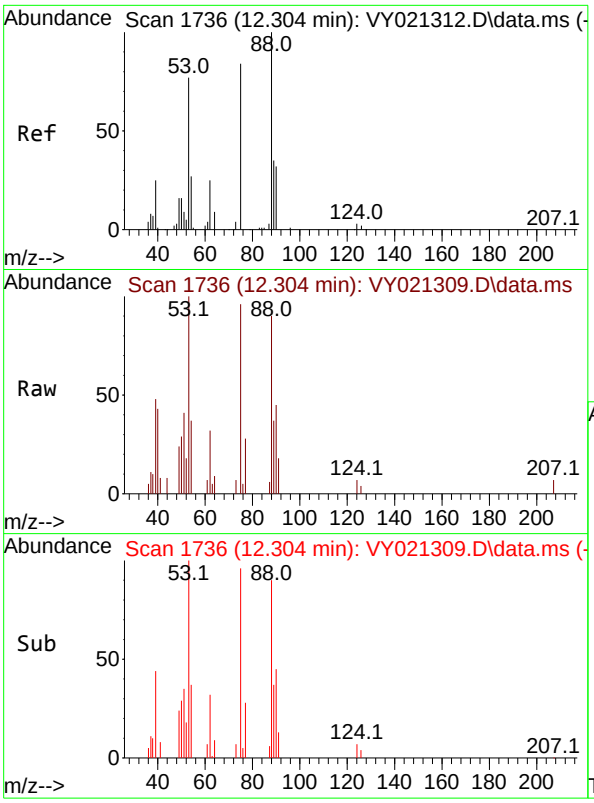




#80
1,3,5-Trimethylbenzene
Concen: 5.014 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 36696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.9 | 24.3 | 73.0 |



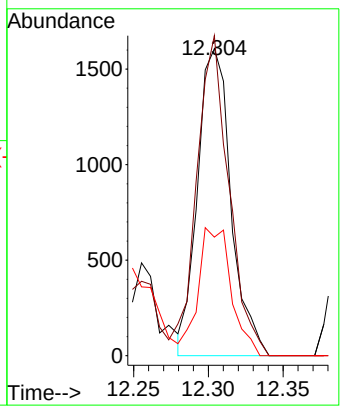


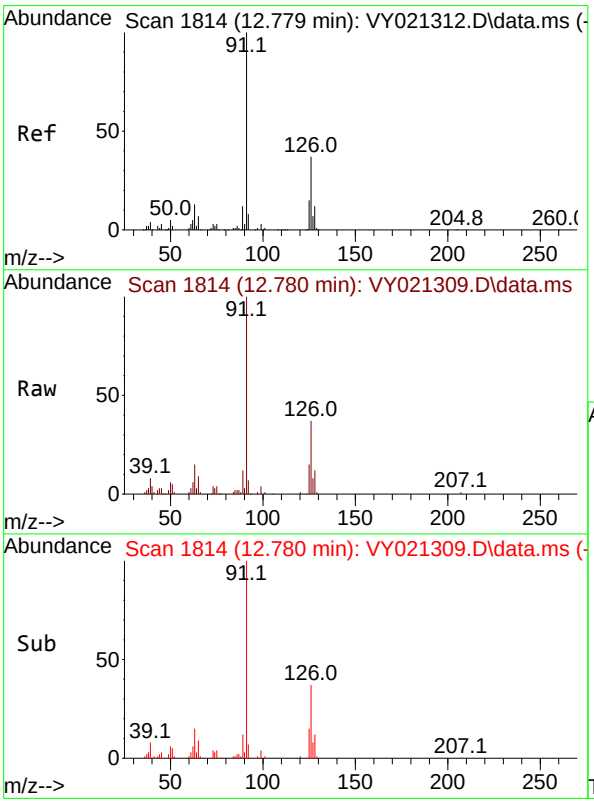

#81
trans-1,4-Dichloro-2-butene
Concen: 4.664 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 2493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 100.8 | 79.1 | 118.7 |
| 89 | 41.2 | 35.6 | 53.4 |

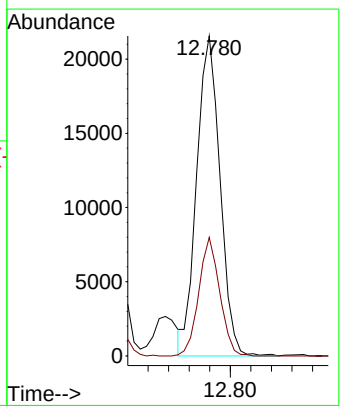


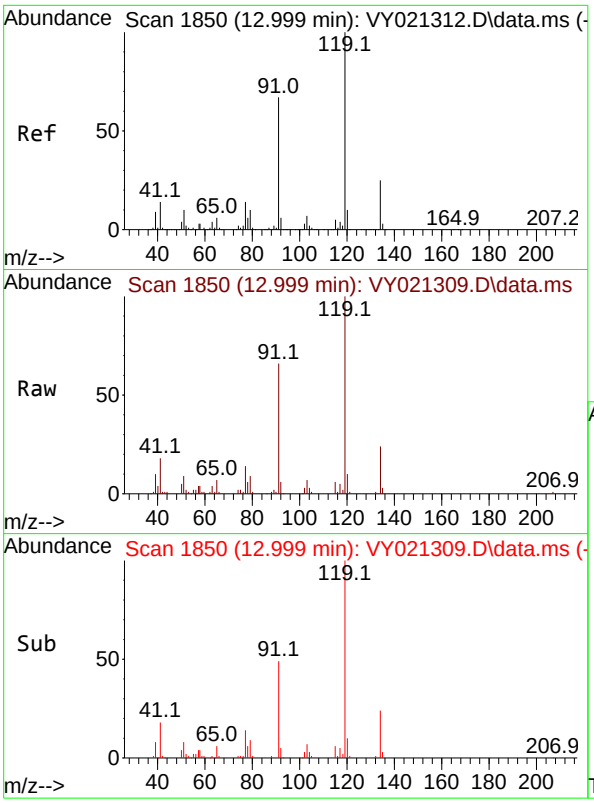




#82
4-Chlorotoluene
Concen: 5.290 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 34079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.8 | 50.4 |



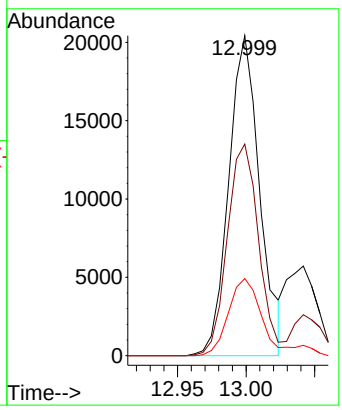


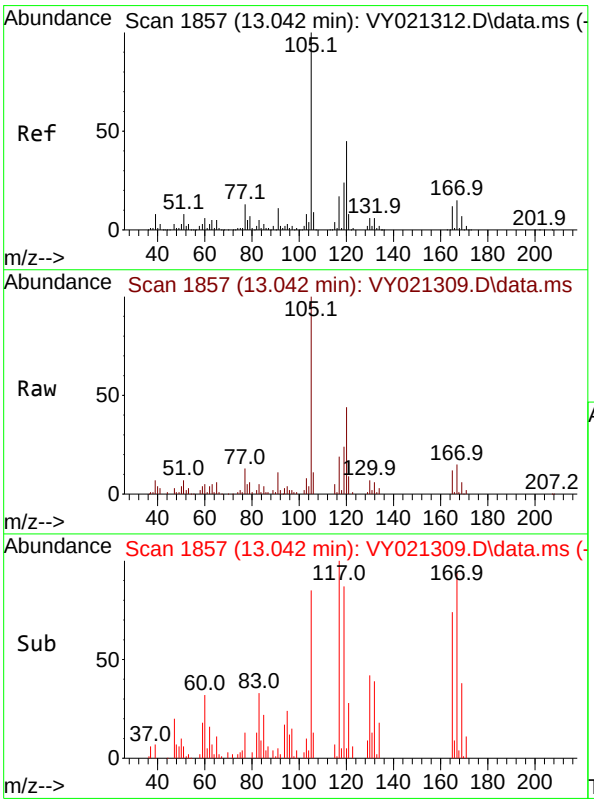

#83
tert-Butylbenzene
Concen: 4.852 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:119 Resp: 32078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.5 | 32.7 | 98.1 |
| 134 | 26.0 | 13.3 | 39.9 |

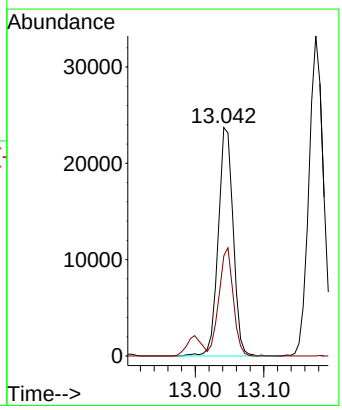


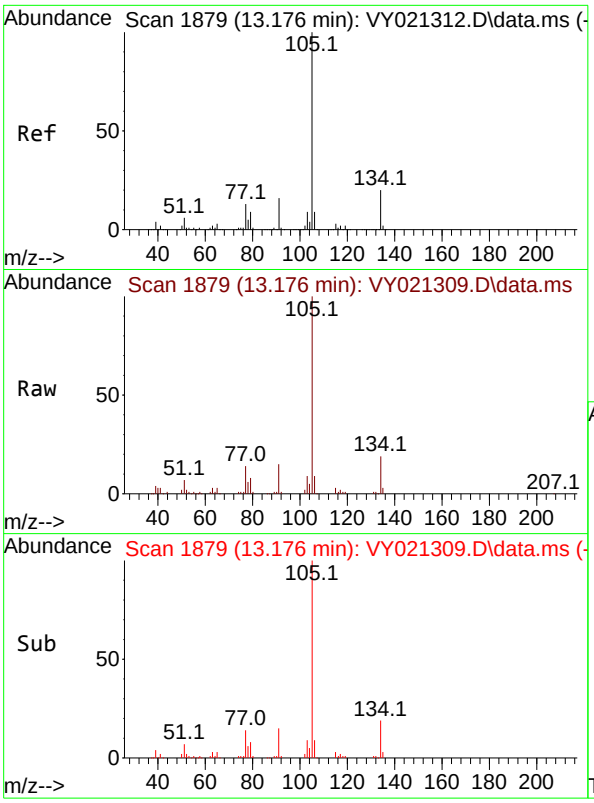




#84
1,2,4-Trimethylbenzene
Concen: 4.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 35772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.2 | 22.4 | 67.3 |



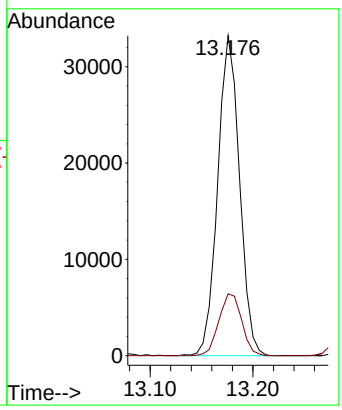


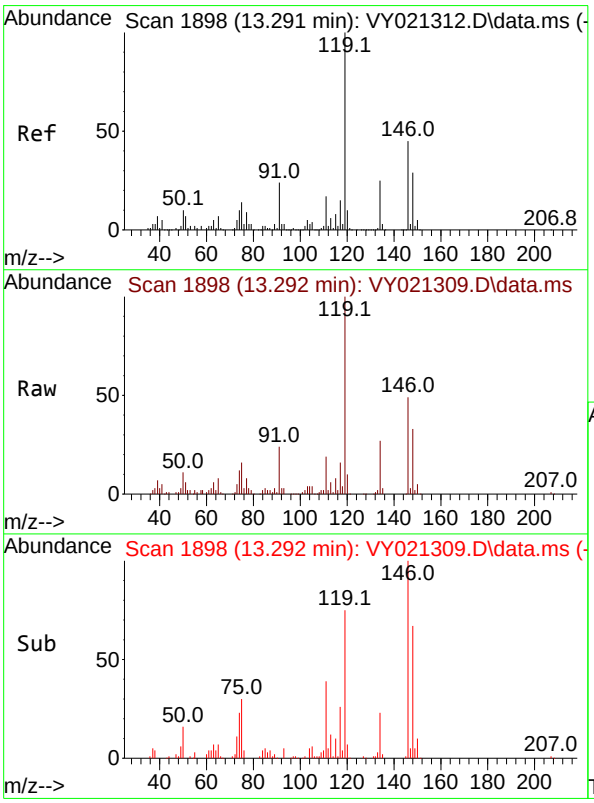

#85
sec-Butylbenzene
Concen: 5.072 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 48977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 10.0 | 30.0 |

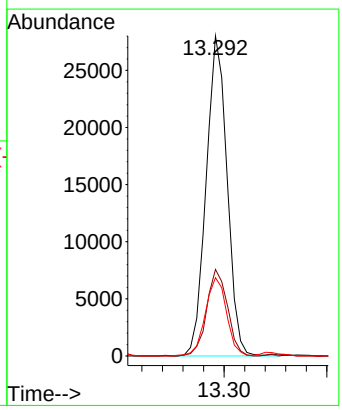


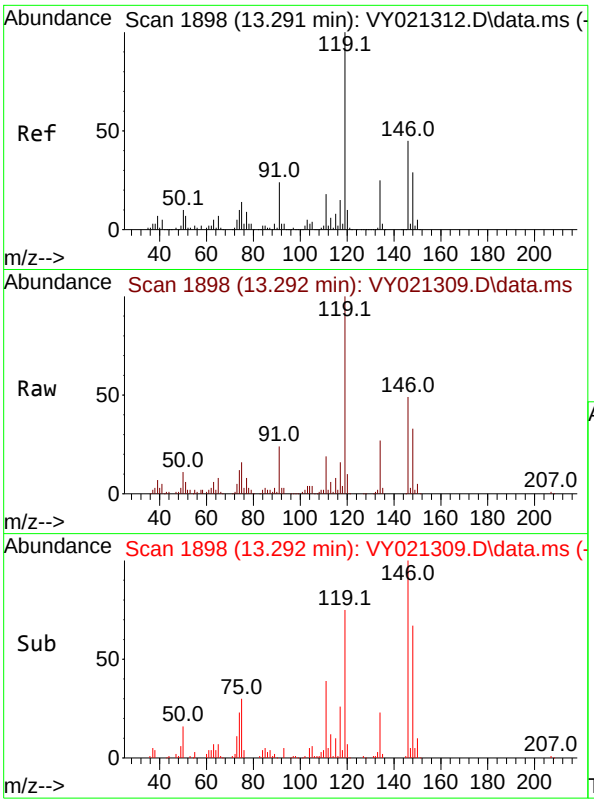




#86
p-Isopropyltoluene
Concen: 4.916 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 39637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.8 | 13.0 | 38.9 |
| 91 | 24.8 | 12.0 | 36.1 |



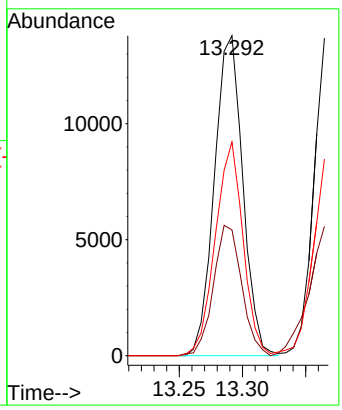


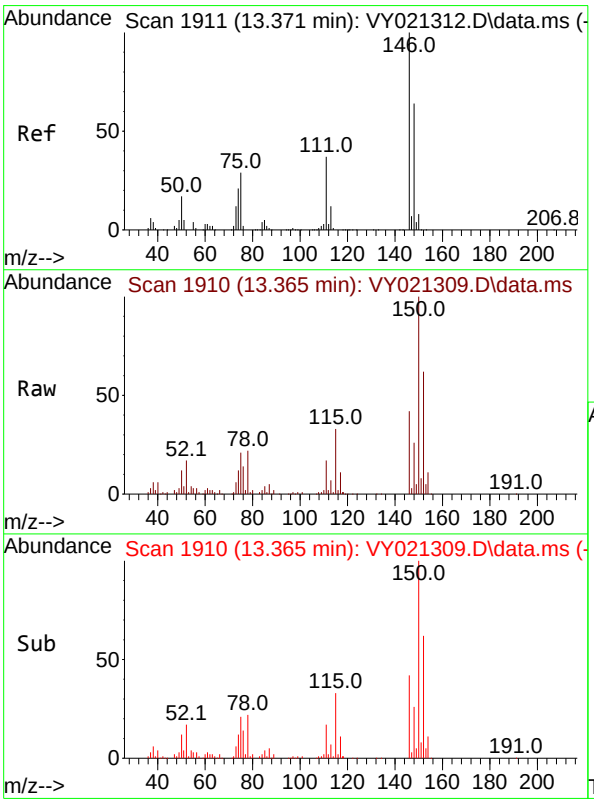

#87
1,3-Dichlorobenzene
Concen: 5.239 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 21510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 20.0 | 59.9 |
| 148 | 65.2 | 31.9 | 95.9 |

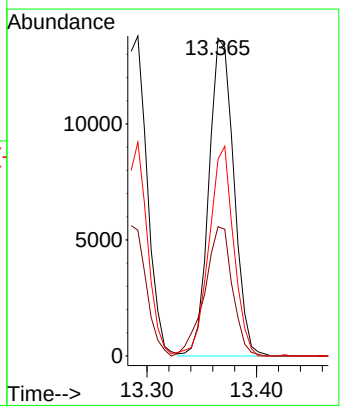


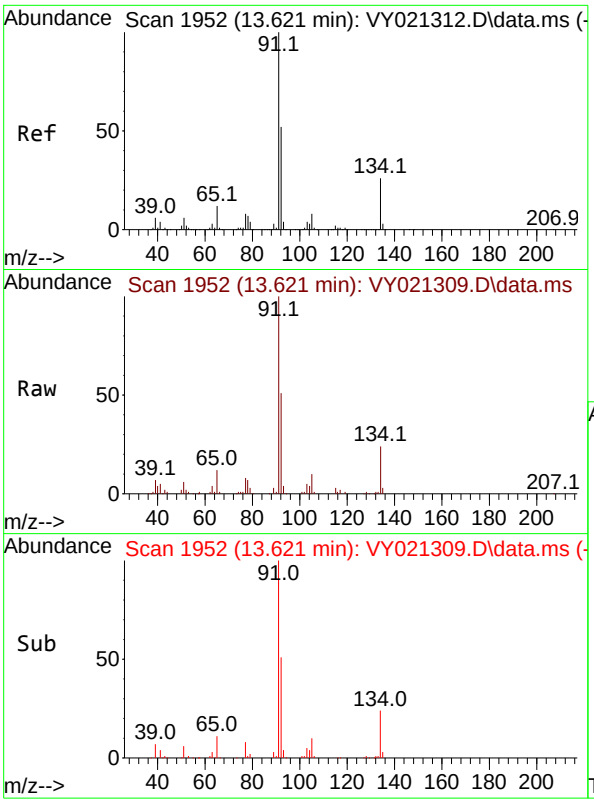




#88
1,4-Dichlorobenzene
Concen: 5.341 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 21663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.2 | 19.5 | 58.5 |
| 148 | 65.3 | 32.0 | 96.2 |



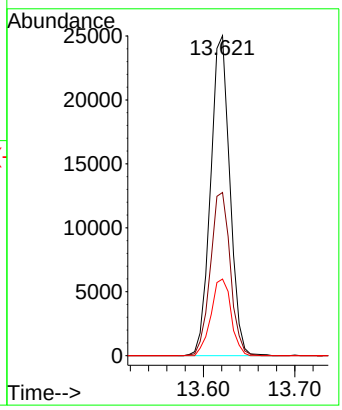


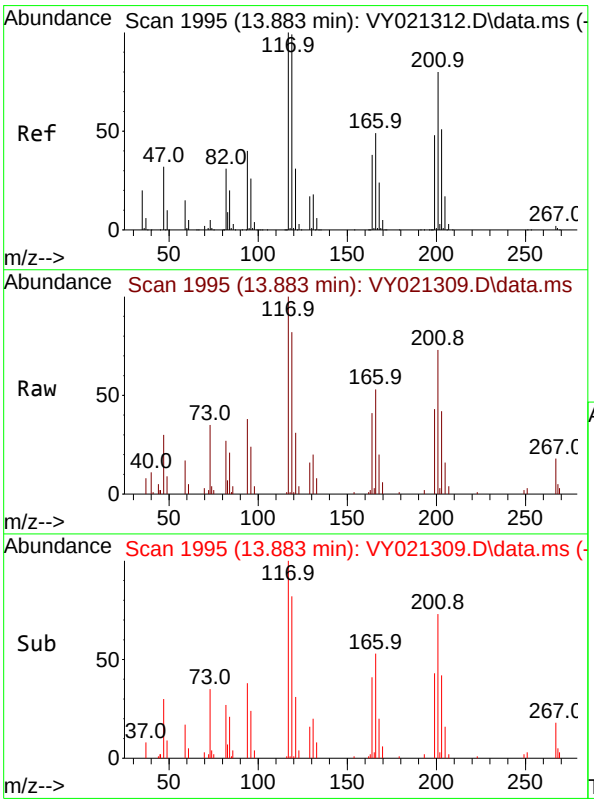

#89
n-Butylbenzene
Concen: 4.815 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 36537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.4 | 79.2 |
| 134 | 25.0 | 12.7 | 38.0 |

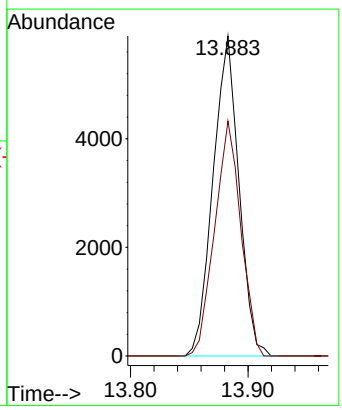


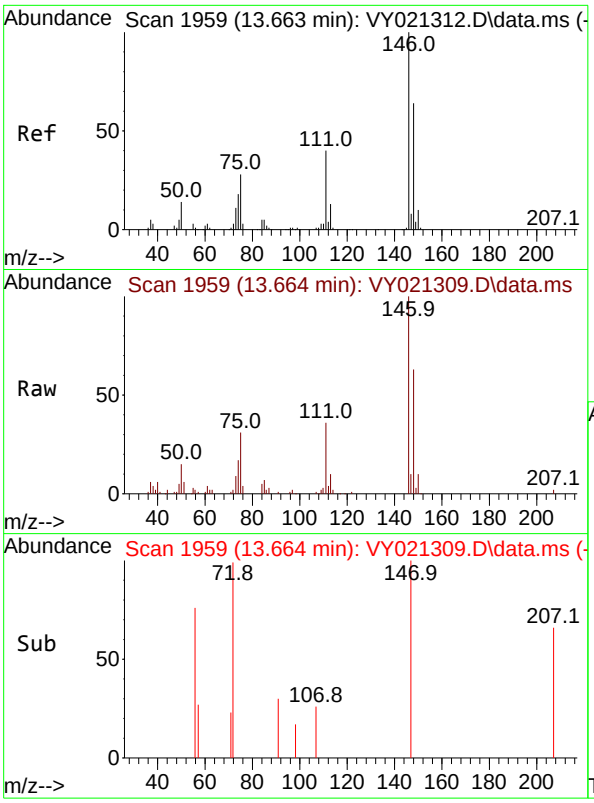




#90
Hexachloroethane
Concen: 5.351 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 9013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 74.3 | 38.4 | 115.2 |



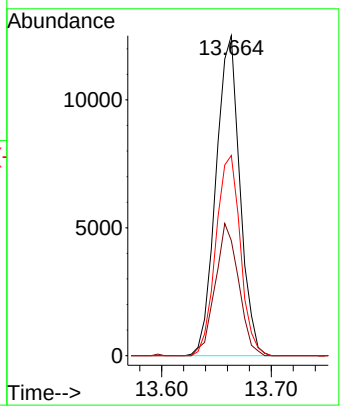


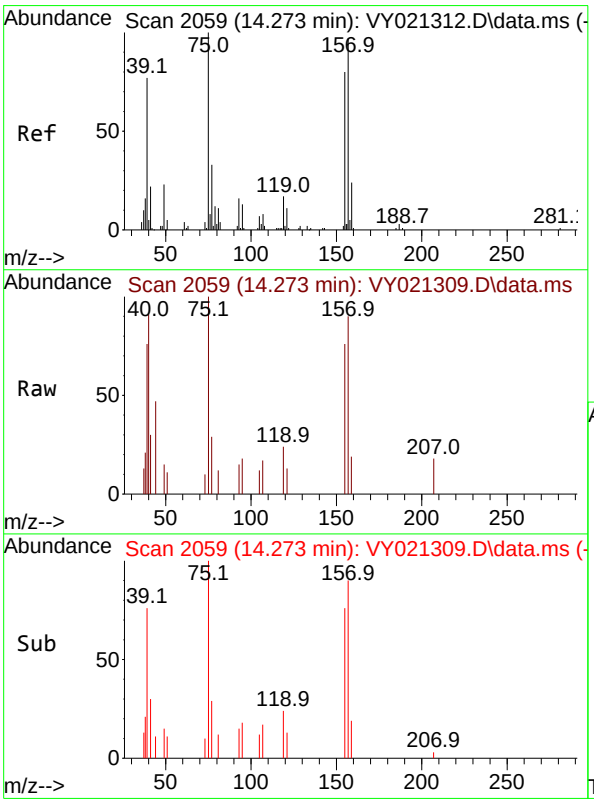

#91
1,2-Dichlorobenzene
Concen: 5.278 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 18984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 20.7 | 62.1 |
| 148 | 64.2 | 31.7 | 95.1 |

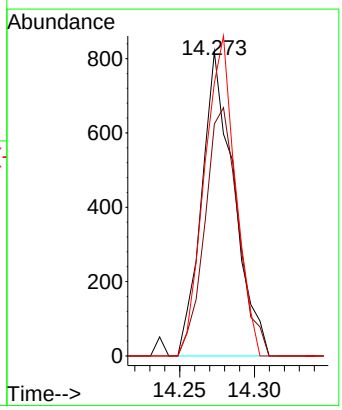


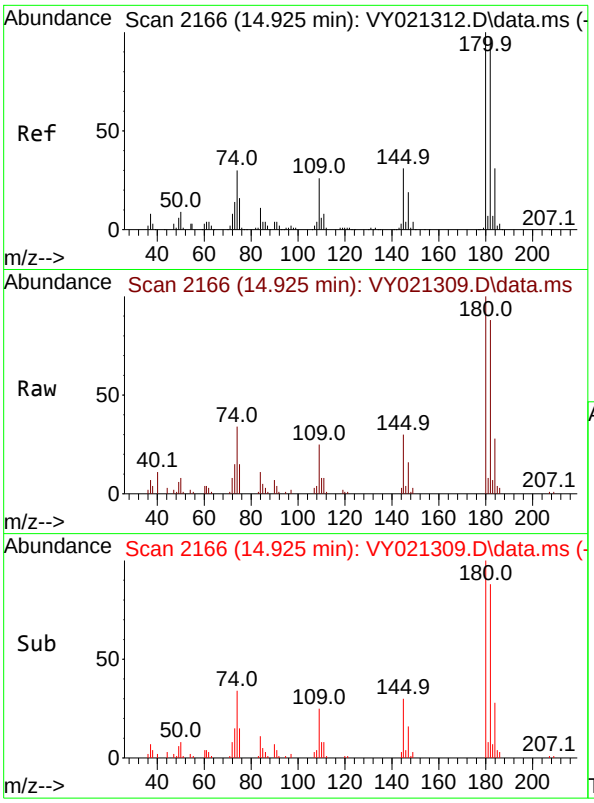




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.925 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.4 | 41.9 | 125.6 |
| 157 | 100.9 | 52.5 | 157.6 |



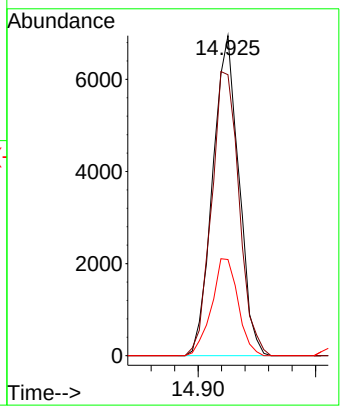


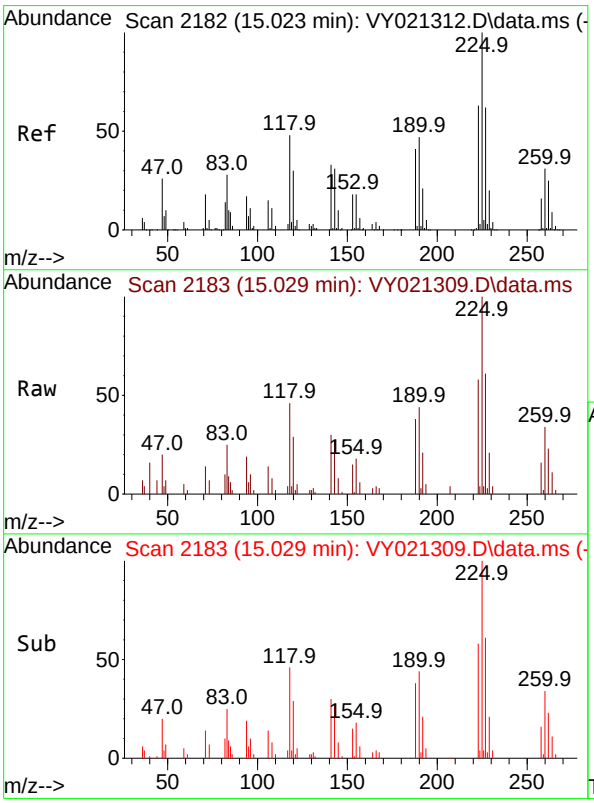

#93
1,2,4-Trichlorobenzene
Concen: 4.901 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:180 Resp: 10759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.3 | 47.9 | 143.7 |
| 145 | 30.7 | 15.6 | 46.8 |

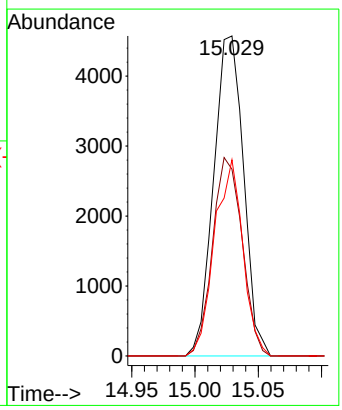


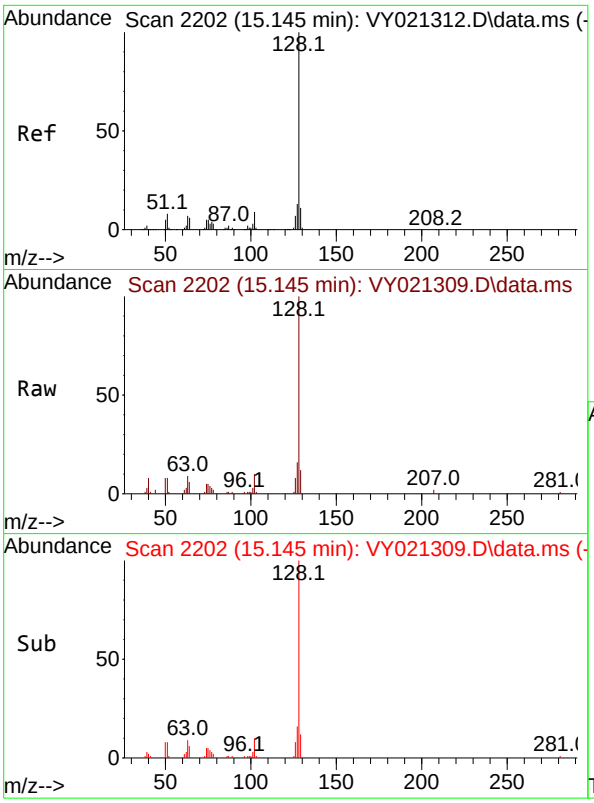




#94
Hexachlorobutadiene
Concen: 5.434 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:225 Resp: 7510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.6 | 31.8 | 95.4 |
| 227 | 58.3 | 31.9 | 95.7 |



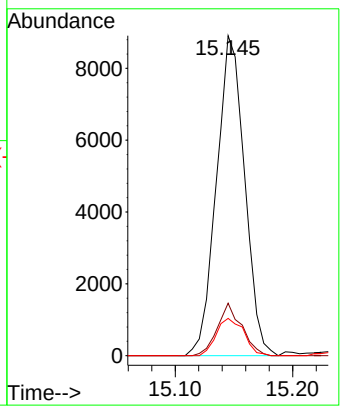


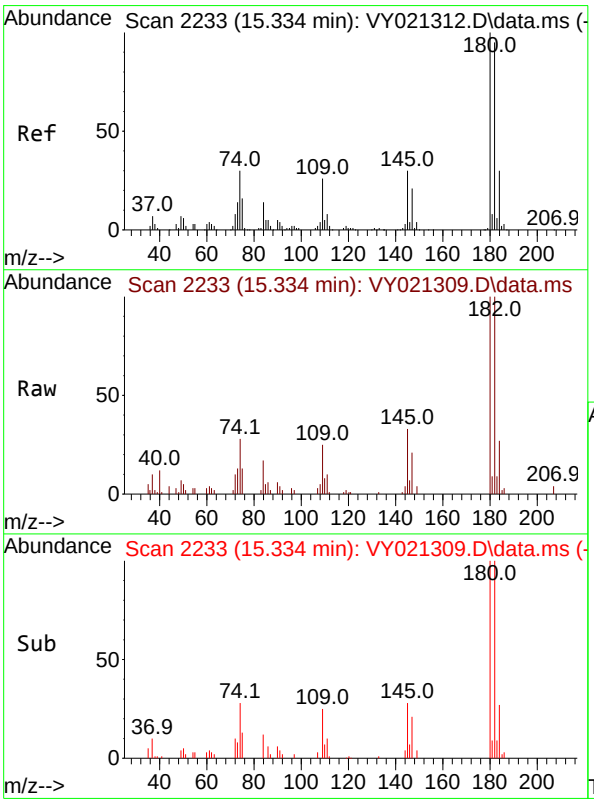

#95
Naphthalene
Concen: 4.078 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

Tgt Ion:128 Resp: 14829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.2 | 10.5 | 15.7 |
| 129 | 11.5 | 8.5 | 12.7 |

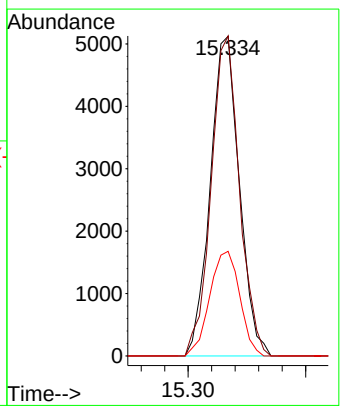



#96
1,2,3-Trichlorobenzene
Concen: 4.746 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:180 Resp: 8804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.2 | 48.3 | 144.9 |
| 145 | 33.8 | 16.1 | 48.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 185658 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 289178 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 250629 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 125138 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 18938 | 8.992 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 17.980%# | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 17267 | 9.108 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 18.220%# | | | |
| 50) Toluene-d8 | 10.103 | 98 | 66979 | 9.141 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 18.280%# | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 22364 | 9.069 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = | 18.140%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 17969 | 10.208 | ug/l | | 99 |
| 3) Chloromethane | 2.068 | 50 | 23321 | 10.259 | ug/l | | 96 |
| 4) Vinyl Chloride | 2.202 | 62 | 21933 | 9.830 | ug/l | | 99 |
| 5) Bromomethane | 2.592 | 94 | 15371 | 10.366 | ug/l | | 92 |
| 6) Chloroethane | 2.732 | 64 | 13561 | 9.801 | ug/l | | 96 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 33977 | 10.083 | ug/l | | 96 |
| 8) Diethyl Ether | 3.452 | 74 | 9792 | 9.682 | ug/l | | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 19660 | 10.077 | ug/l | | 99 |
| 10) Methyl Iodide | 4.001 | 142 | 17573 | 8.562 | ug/l | | 99 |
| 11) Tert butyl alcohol | 4.854 | 59 | 8754 | 54.037 | ug/l | # | 81 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 18141 | 9.711 | ug/l | | 87 |
| 13) Acrolein | 3.647 | 56 | 10715 | 86.313 | ug/l | | 97 |
| 14) Allyl chloride | 4.385 | 41 | 31462 | 9.499 | ug/l | | 98 |
| 15) Acrylonitrile | 5.061 | 53 | 21273 | 47.572 | ug/l | | 98 |
| 16) Acetone | 3.866 | 43 | 19023 | 47.086 | ug/l | | 92 |
| 17) Carbon Disulfide | 4.104 | 76 | 61336 | 9.888 | ug/l | | 100 |
| 18) Methyl Acetate | 4.379 | 43 | 9259 | 9.378 | ug/l | | 99 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 47090 | 9.541 | ug/l | | 98 |
| 20) Methylene Chloride | 4.610 | 84 | 22192 | 10.158 | ug/l | | 95 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 19921 | 9.687 | ug/l | | 94 |
| 22) Diisopropyl ether | 6.012 | 45 | 66598 | 9.717 | ug/l | | 93 |
| 23) Vinyl Acetate | 5.957 | 43 | 193291 | 47.195 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 5.909 | 63 | 38311 | 9.918 | ug/l | | 98 |
| 25) 2-Butanone | 6.896 | 43 | 28711 | 47.087 | ug/l | | 99 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 34859 | 9.945 | ug/l | | 99 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 22663 | 9.651 | ug/l | | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 16417 | 9.605 | ug/l | | 100 |
| 29) Tetrahydrofuran | 7.262 | 42 | 18625 | 46.731 | ug/l | | 99 |
| 30) Chloroform | 7.415 | 83 | 38838 | 9.922 | ug/l | | 97 |
| 31) Cyclohexane | 7.701 | 56 | 38072 | 10.253 | ug/l | # | 88 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 35489 | 9.961 | ug/l | | 99 |
| 36) 1,1-Dichloropropene | 7.829 | 75 | 28171 | 9.892 | ug/l | | 99 |
| 37) Ethyl Acetate | 6.982 | 43 | 14219 | 10.038 | ug/l | | 98 |
| 38) Carbon Tetrachloride | 7.811 | 117 | 32494 | 10.149 | ug/l | | 96 |
| 39) Methylcyclohexane | 9.103 | 83 | 35431 | 9.837 | ug/l | | 95 |
| 40) Benzene | 8.079 | 78 | 83594 | 9.930 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.226 | 41 | 6845 | 8.642 | ug/l | | 92 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 24091 | 10.087 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 25874 | 9.436 | ug/l | | 99 |
| 44) Trichloroethene | 8.859 | 130 | 20823 | 9.880 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 20214 | 9.978 | ug/l | | 98 |
| 46) Dibromomethane | 9.231 | 93 | 10902 | 9.845 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 29114 | 9.860 | ug/l | | 97 |
| 48) Methyl methacrylate | 9.219 | 41 | 11652 | 9.088 | ug/l | | 96 |
| 49) 1,4-Dioxane | 9.225 | 88 | 2309 | 187.520 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 9.993 | 43 | 65698 | 46.808 | ug/l | | 99 |
| 52) Toluene | 10.170 | 92 | 51371 | 9.823 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 25218 | 9.322 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 30428 | 9.528 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 10.573 | 97 | 14509 | 10.057 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.438 | 69 | 17817 | 8.938 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 24769 | 9.784 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 42304 | 44.215 | ug/l | | 100 |
| 59) 2-Hexanone | 10.755 | 43 | 42123 | 45.697 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.908 | 129 | 18793 | 9.565 | ug/l | | 96 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 13351 | 9.775 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 19065 | 10.064 | ug/l | | 97 |
| 65) Chlorobenzene | 11.438 | 112 | 55689 | 9.899 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131 | 20089 | 10.198 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.517 | 91 | 97299 | 9.764 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.627 | 106 | 73991 | 19.740 | ug/l | | 99 |
| 69) o-Xylene | 11.950 | 106 | 33822 | 9.632 | ug/l | | 99 |
| 70) Styrene | 11.969 | 104 | 56550 | 9.679 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 11067 | 9.820 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.255 | 105 | 90221 | 9.590 | ug/l | | 100 |
| 74) N-amyl acetate | 12.066 | 43 | 21370 | 8.937 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 16246 | 9.785 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 21157 | 16.789 | ug/l | # | 100 |
| 77) Bromobenzene | 12.529 | 156 | 21097 | 9.641 | ug/l | | 99 |
| 78) n-propylbenzene | 12.597 | 91 | 110190 | 9.652 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 64018 | 9.771 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 74498 | 9.655 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 5238 | 9.295 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 12.773 | 91 | 66701 | 9.821 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 68905 | 9.886 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 74032 | 9.647 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 100189 | 9.841 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 81769 | 9.619 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.285 | 146 | 43267 | 9.996 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 42788 | 10.006 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.615 | 91 | 76325 | 9.541 | ug/l | | 99 |
| 90) Hexachloroethane | 13.877 | 117 | 17261 | 9.721 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 37522 | 9.894 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 2424 | 9.229 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 21234 | 9.174 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 14346 | 9.845 | ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 32094 | 8.371 | ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 17983 | 9.195 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

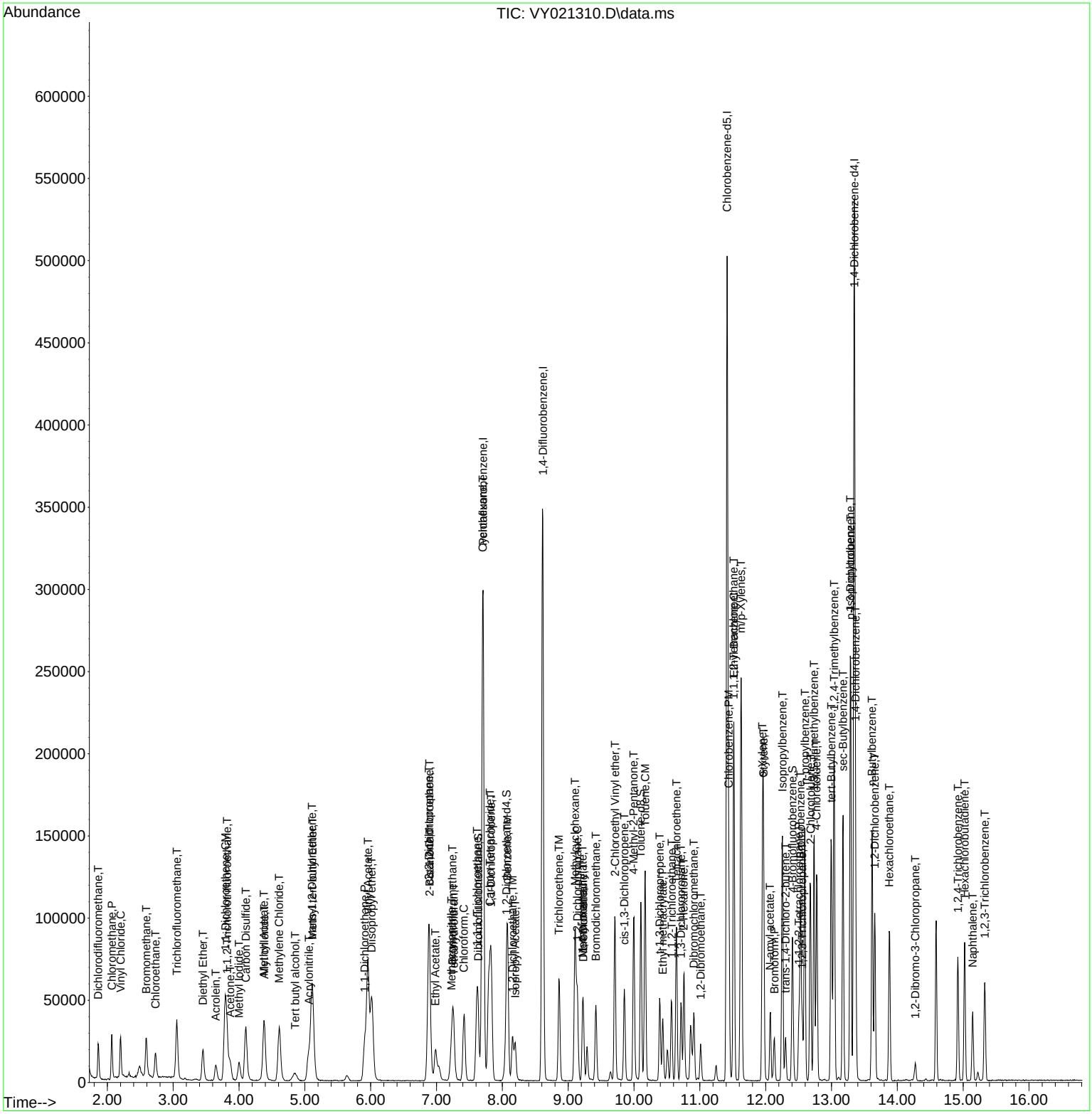
(#) = qualifier out of range (m) = manual integration (+) = signals summed

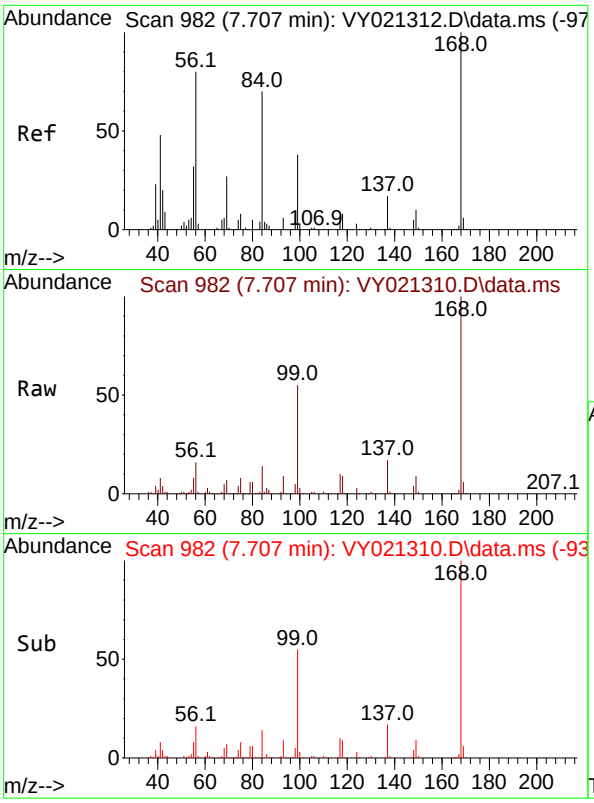
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



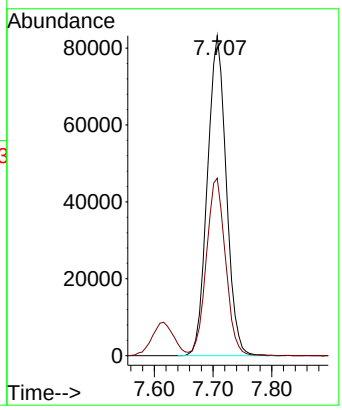


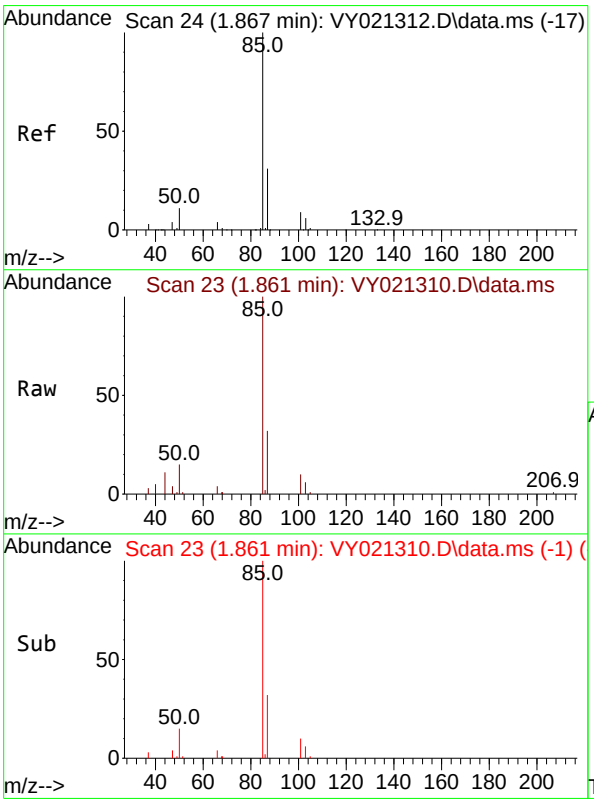

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:168 Resp: 185658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.4 | 47.1 | 70.7 |

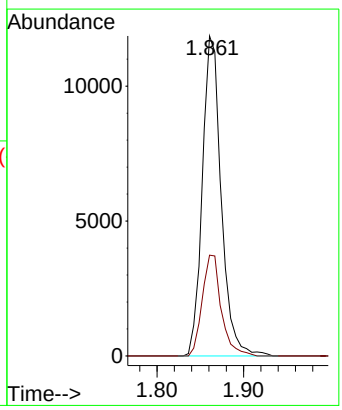


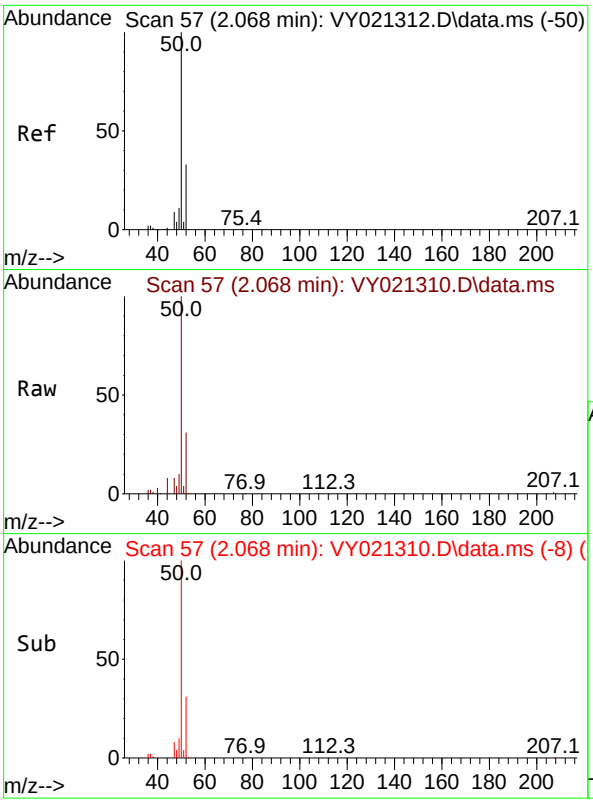




#2
Dichlorodifluoromethane
Concen: 10.208 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 85 Resp: 17969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 15.4 | 46.4 |



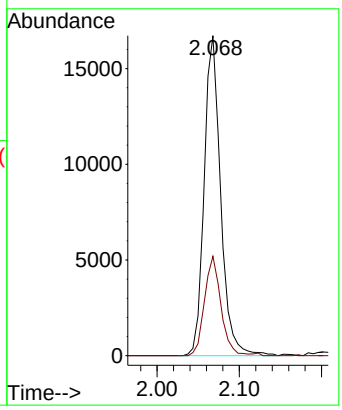


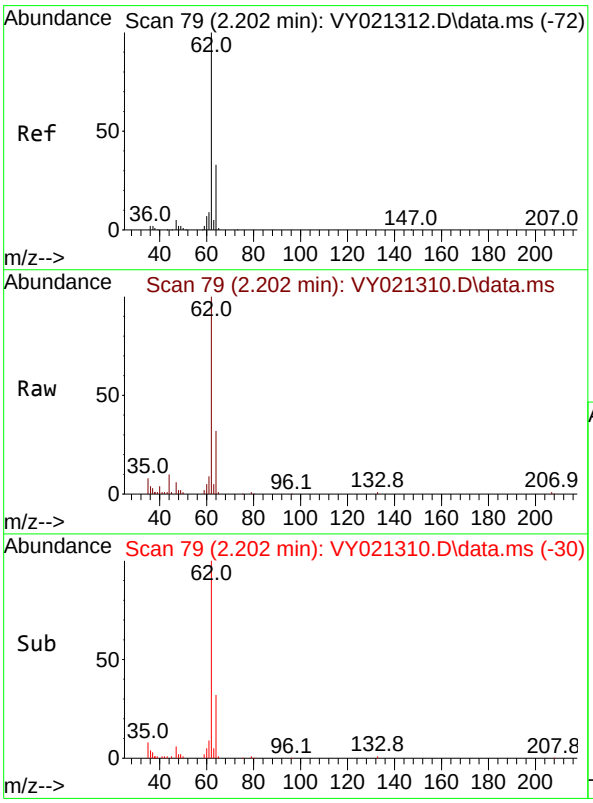

#3
Chloromethane
Concen: 10.259 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 50 Resp: 23321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.1 | 26.6 | 40.0 |

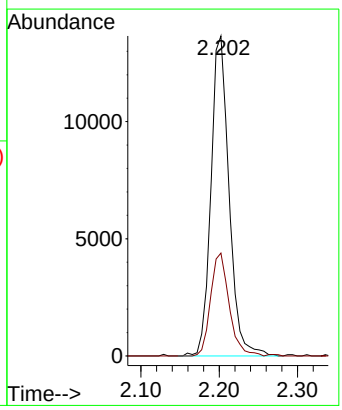


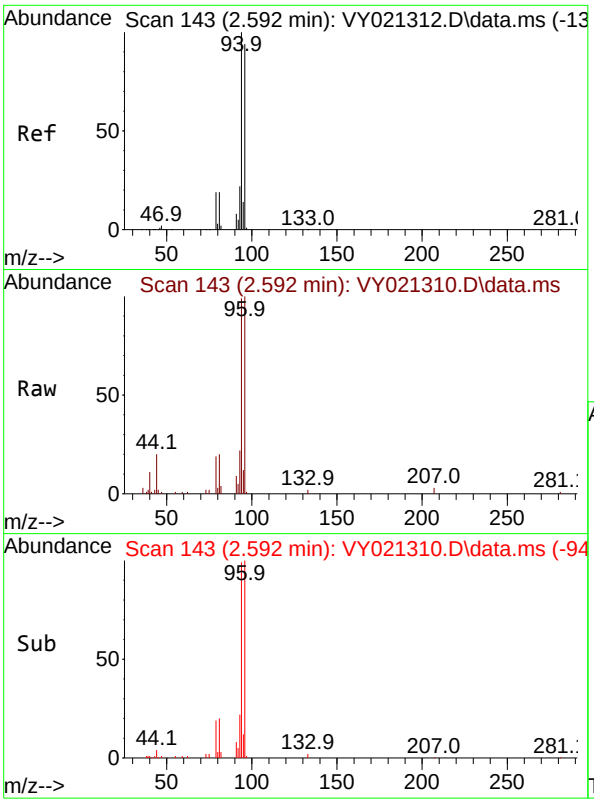




#4
Vinyl Chloride
Concen: 9.830 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 21933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 26.3 | 39.5 |



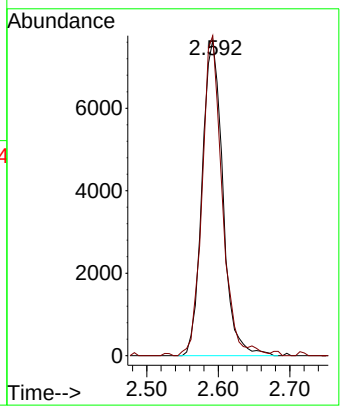


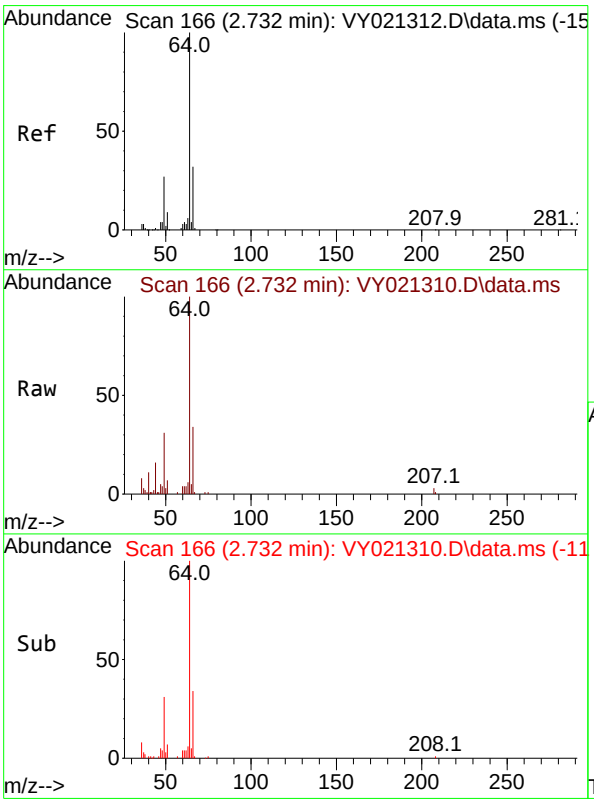

#5
Bromomethane
Concen: 10.366 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 94 Resp: 15371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 101.5 | 75.2 | 112.8 |

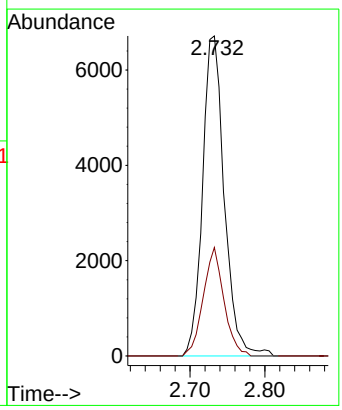


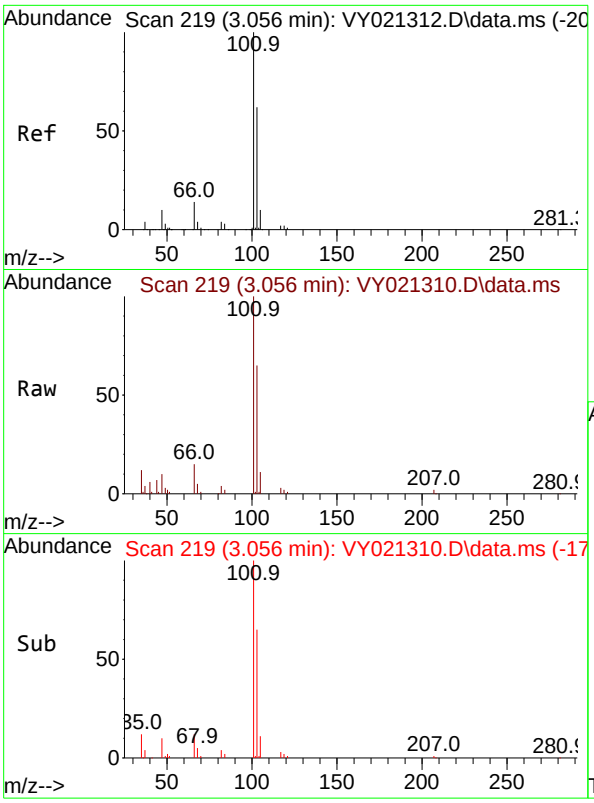




#6
Chloroethane
Concen: 9.801 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 64 Resp: 13561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.9 | 25.4 | 38.0 |



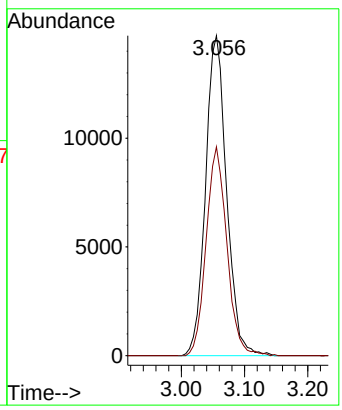


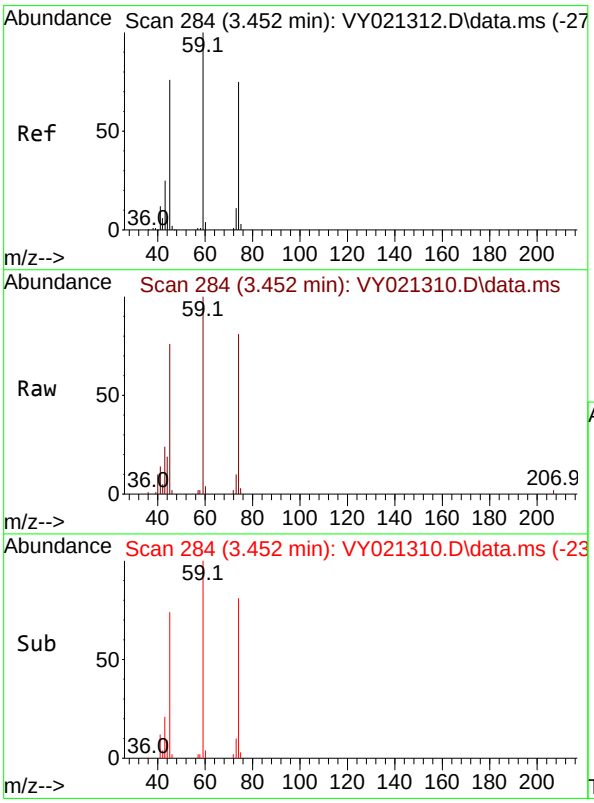

#7
Trichlorofluoromethane
Concen: 10.083 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:101 Resp: 33977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 49.7 | 74.5 |

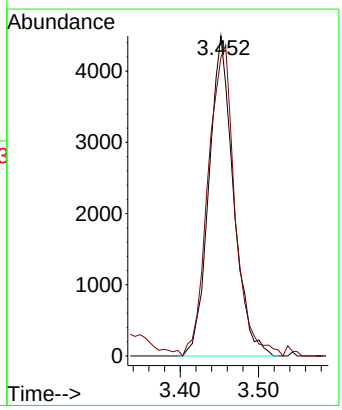


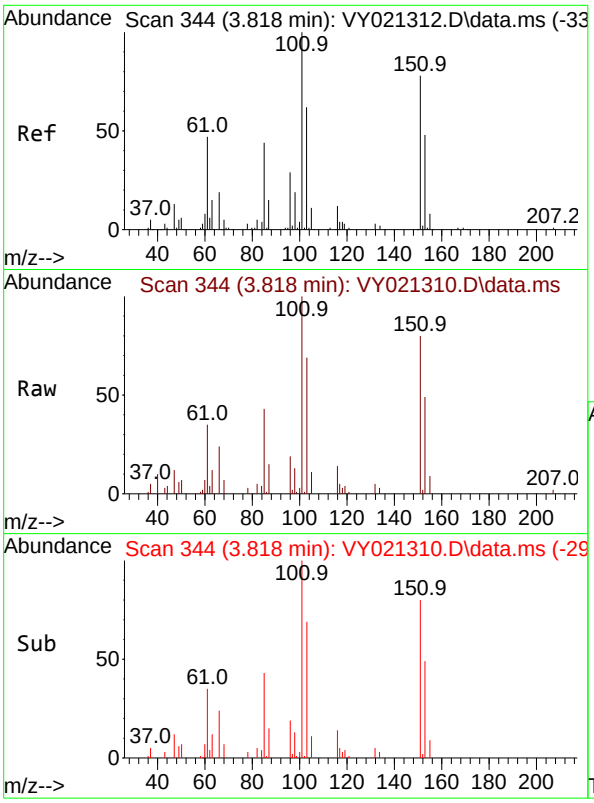




#8
Diethyl Ether
Concen: 9.682 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 74 Resp: 9792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 106.0 | 50.3 | 150.9 |



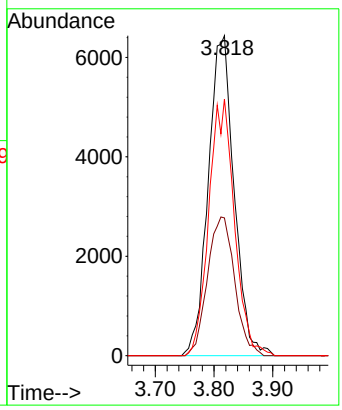


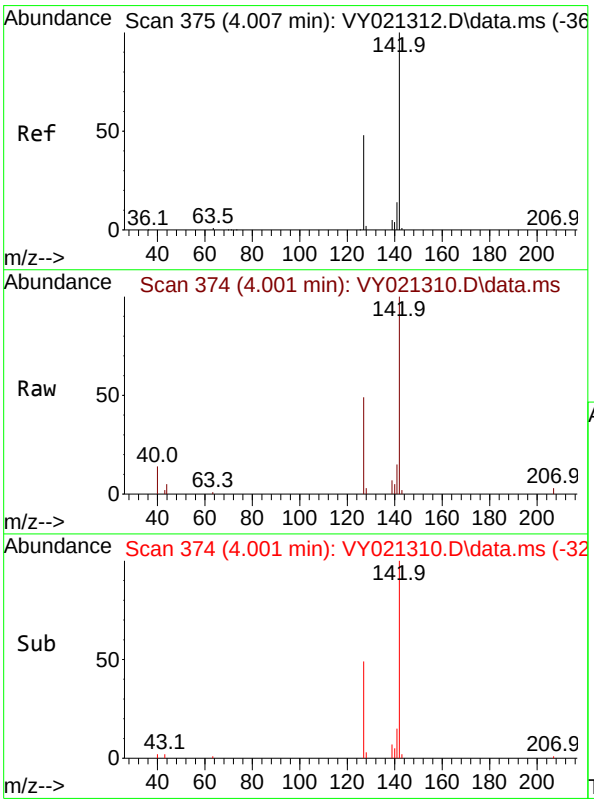

#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.077 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:101 Resp: 19660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.7 | 36.7 | 55.1 |
| 151 | 79.5 | 62.6 | 94.0 |

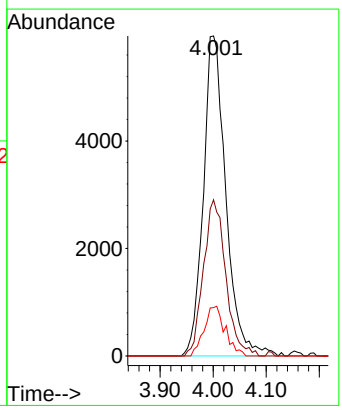


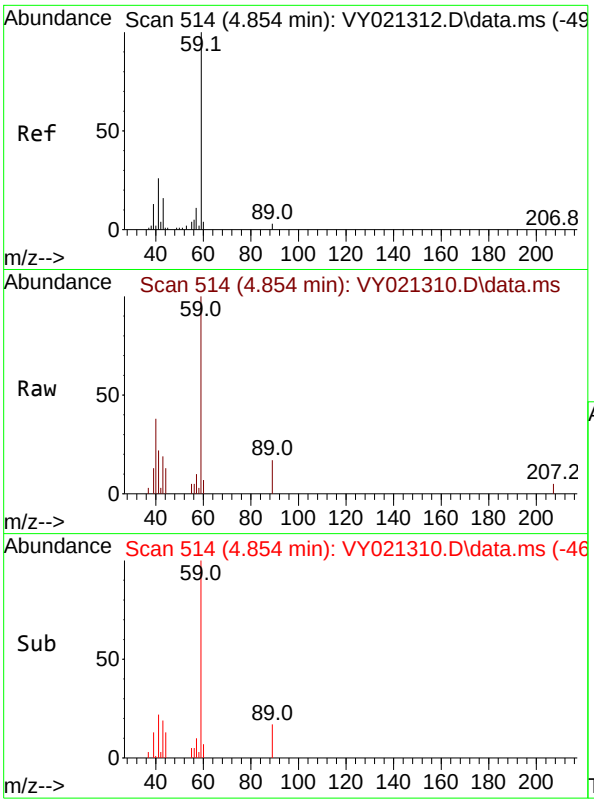




#10
Methyl Iodide
Concen: 8.562 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:142 Resp: 17573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.3 | 39.2 | 58.8 |
| 141 | 14.5 | 11.4 | 17.2 |



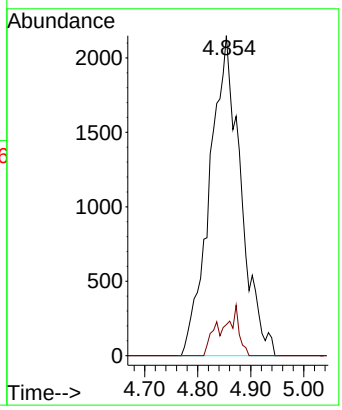


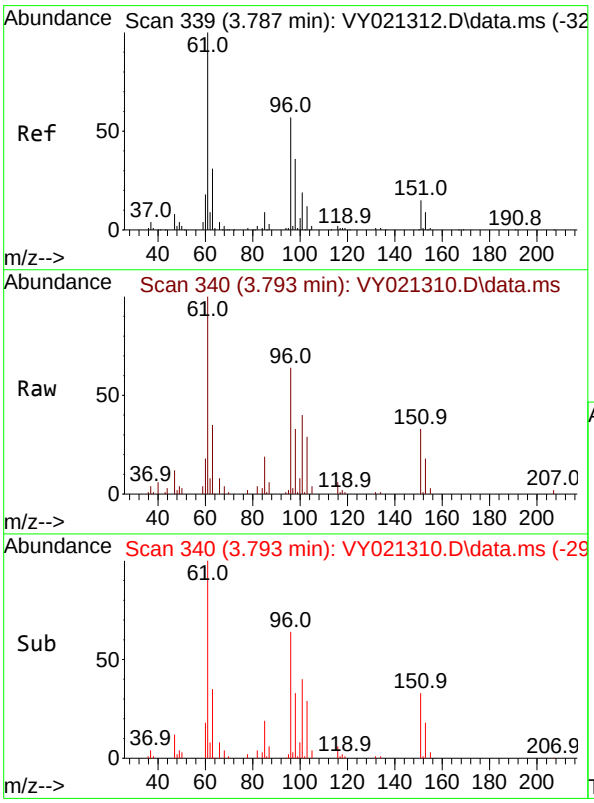

#11
Tert butyl alcohol
Concen: 54.037 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 59 Resp: 8754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 3.1 | 8.3 | 12.5# |

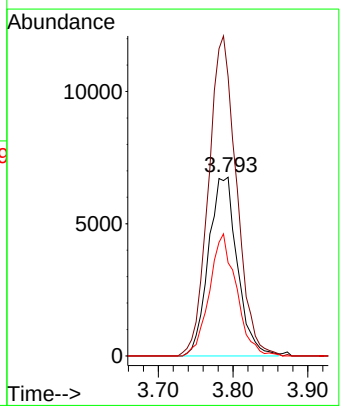


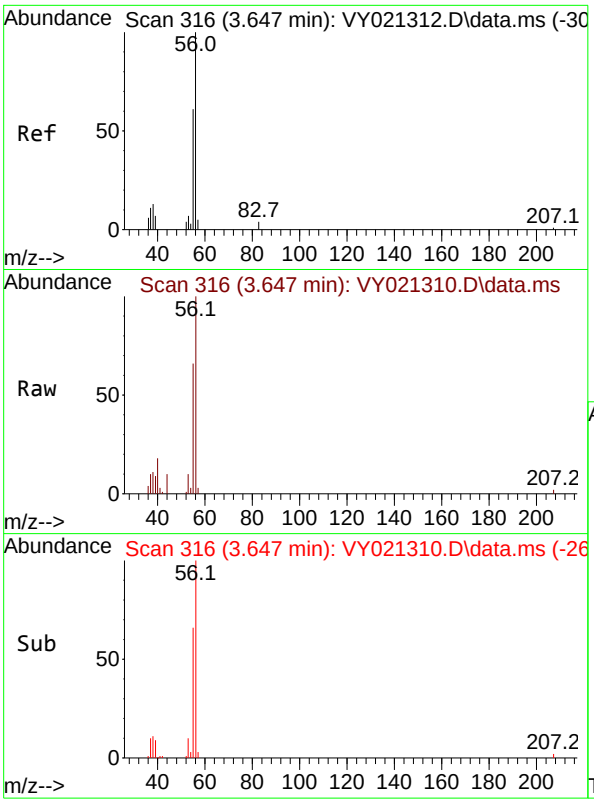




#12
1,1-Dichloroethene
Concen: 9.711 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 18141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.3 | 139.7 | 209.5 |
| 98 | 52.1 | 49.7 | 74.5 |



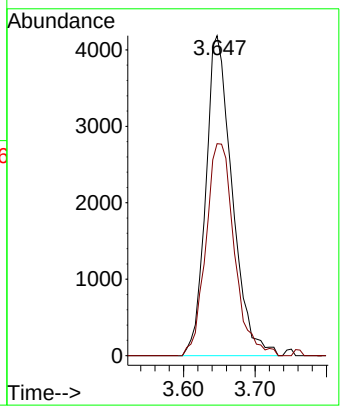


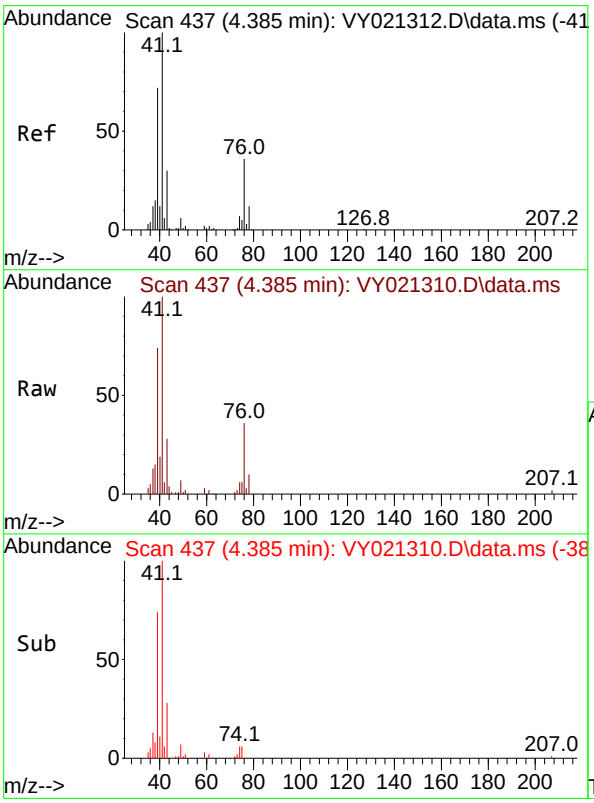

#13
Acrolein
Concen: 86.313 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 56 Resp: 10715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.4 | 59.0 | 88.6 |

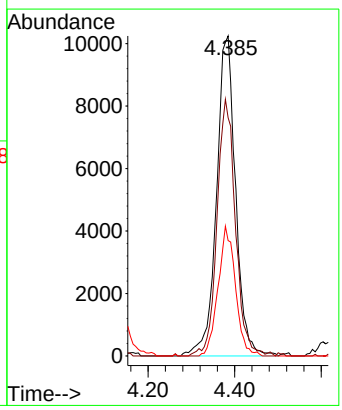


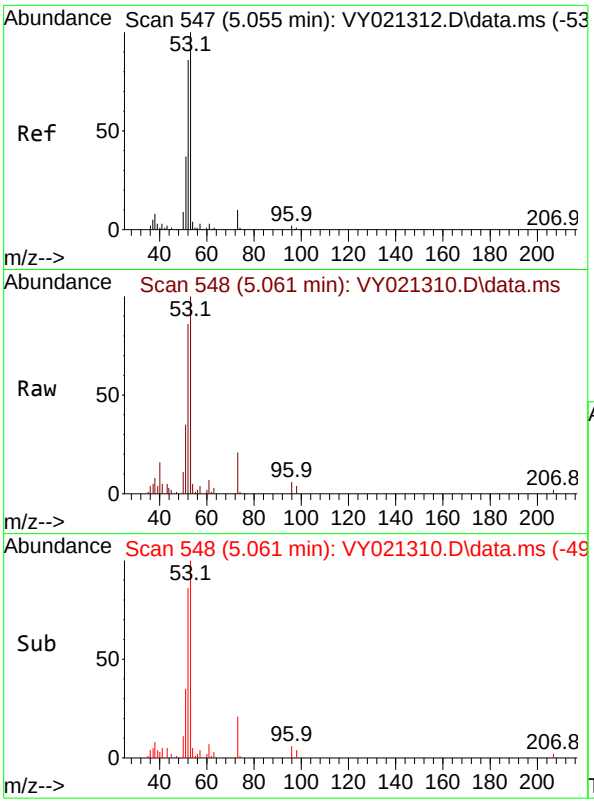




#14
Allyl chloride
Concen: 9.499 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 31462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.2 | 60.0 | 90.0 |
| 76 | 36.9 | 29.0 | 43.6 |



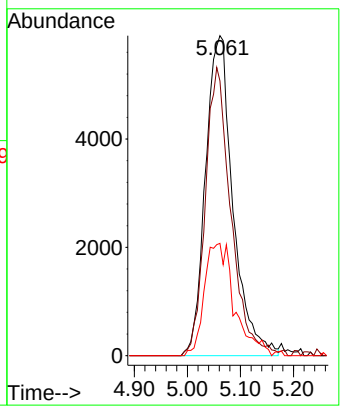


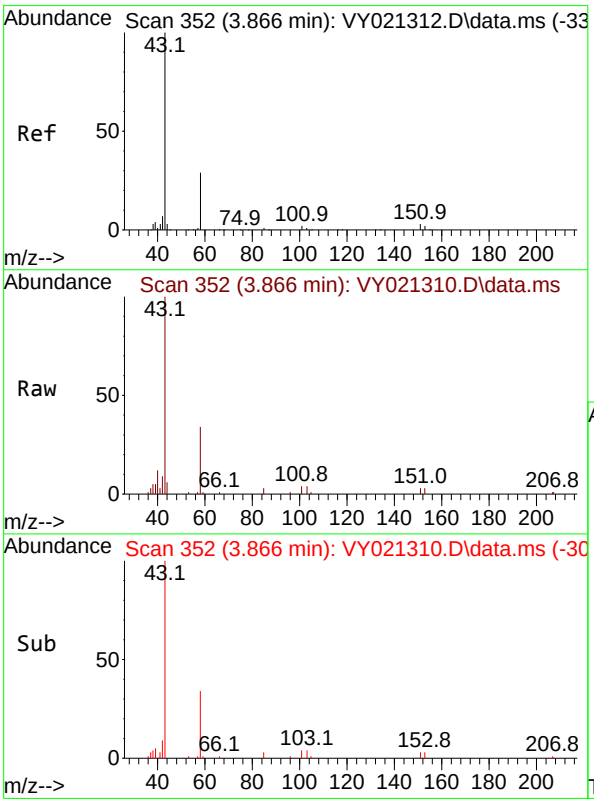

#15
Acrylonitrile
Concen: 47.572 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 53 Resp: 21273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.1 | 65.5 | 98.3 |
| 51 | 38.5 | 30.6 | 46.0 |

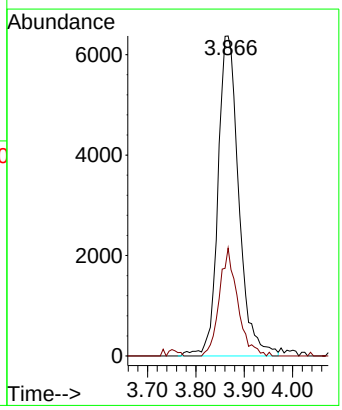


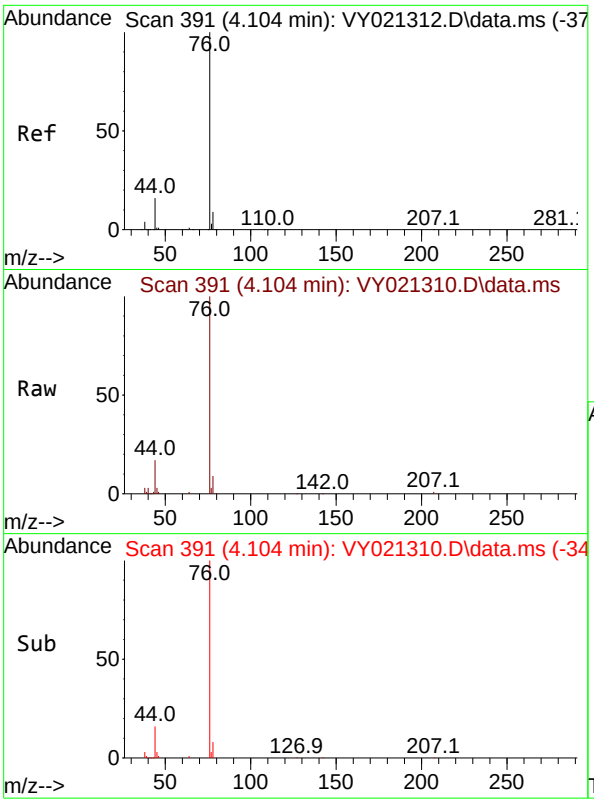




#16
Acetone
Concen: 47.086 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 19023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.7 | 23.5 | 35.3 |



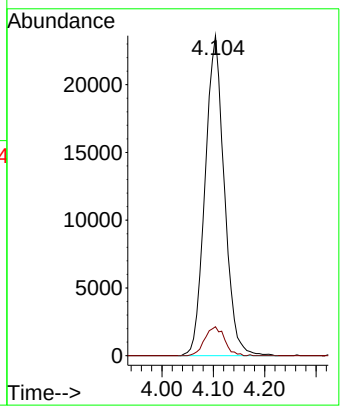


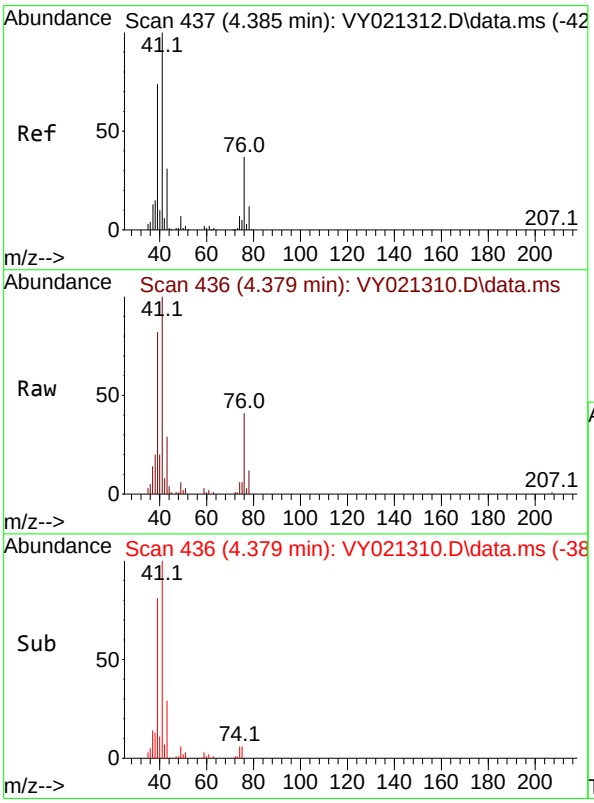

#17
Carbon Disulfide
Concen: 9.888 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 76 Resp: 61336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.1 | 10.7 |

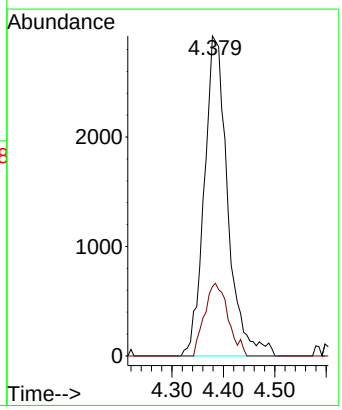


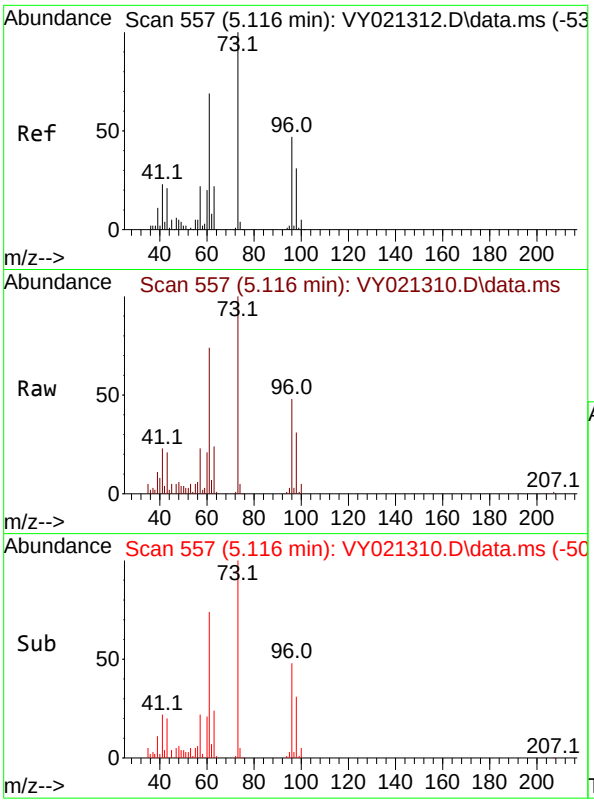




#18
Methyl Acetate
Concen: 9.378 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 9259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 17.7 | 26.5 |



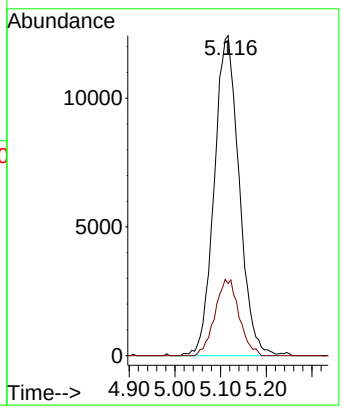


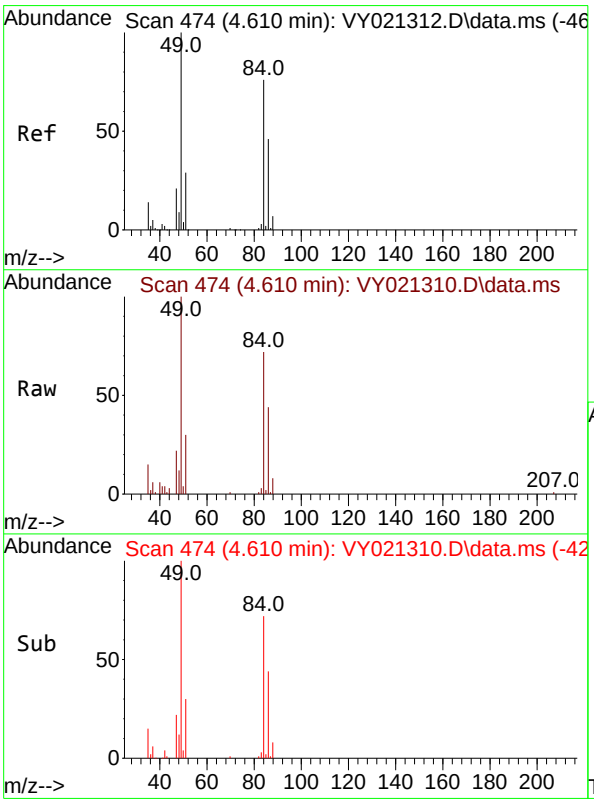

#19
Methyl tert-butyl Ether
Concen: 9.541 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 73 Resp: 47090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.6 | 17.4 | 26.0 |

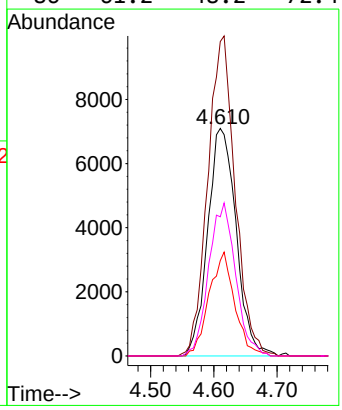


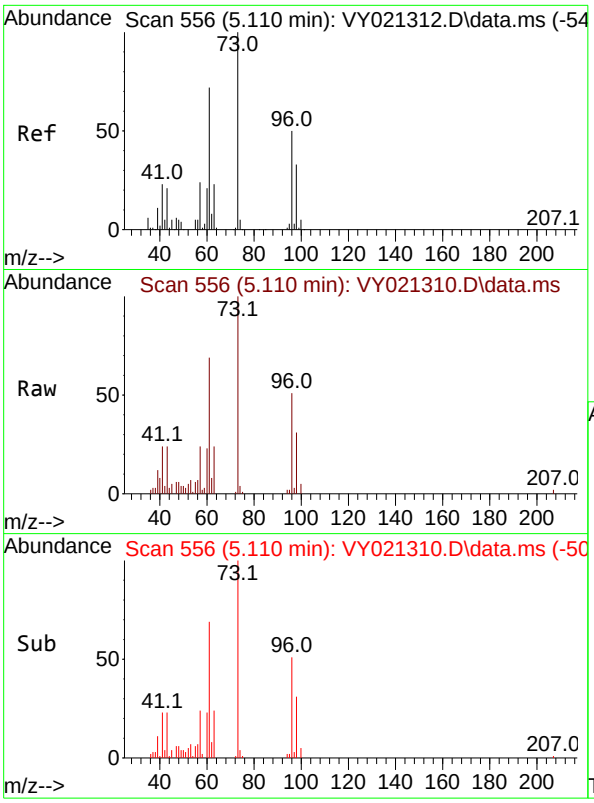




#20
Methylene Chloride
Concen: 10.158 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 84 Resp: 22192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 138.2 | 105.1 | 157.7 |
| 51 | 41.9 | 31.0 | 46.4 |
| 86 | 61.2 | 48.2 | 72.4 |



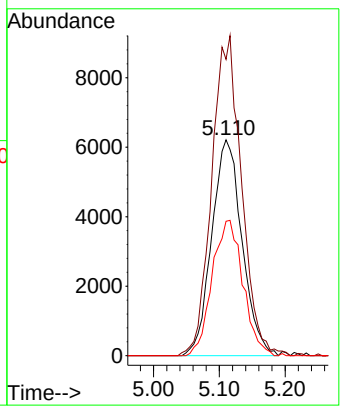


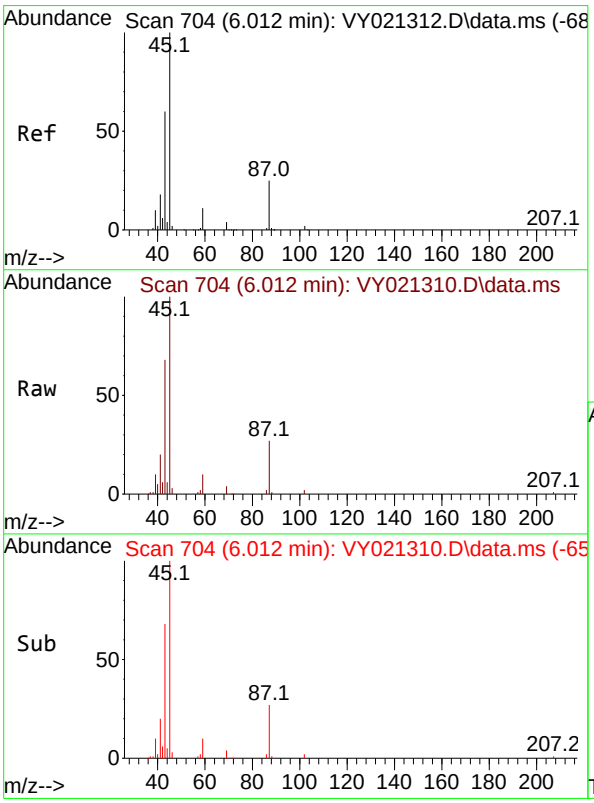

#21
trans-1,2-Dichloroethene
Concen: 9.687 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 96 Resp: 19921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.3 | 116.3 | 174.5 |
| 98 | 62.3 | 52.6 | 78.8 |

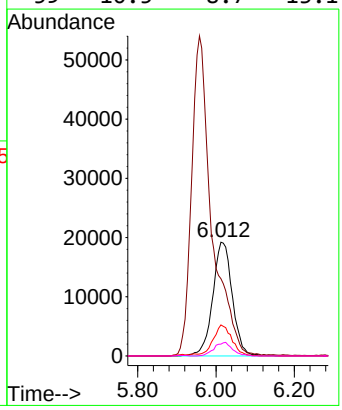


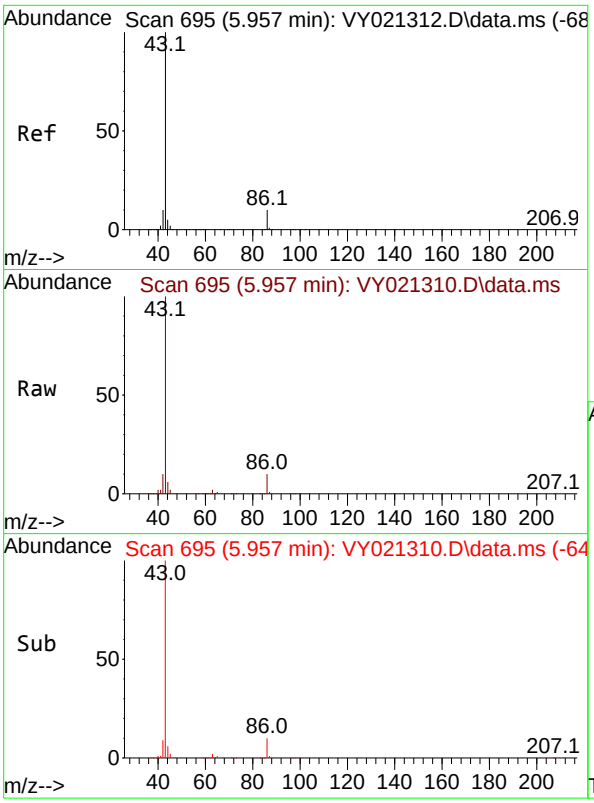




#22
Diisopropyl ether
Concen: 9.717 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 45 Resp: 66598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 67.4 | 48.2 | 72.4 |
| 87 | 27.4 | 20.3 | 30.5 |
| 59 | 10.5 | 8.7 | 13.1 |



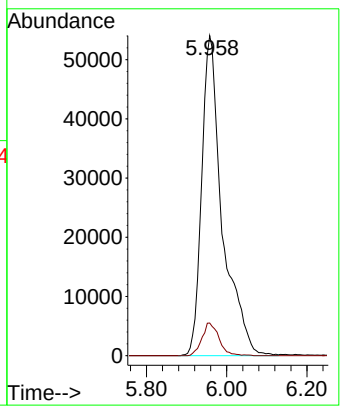


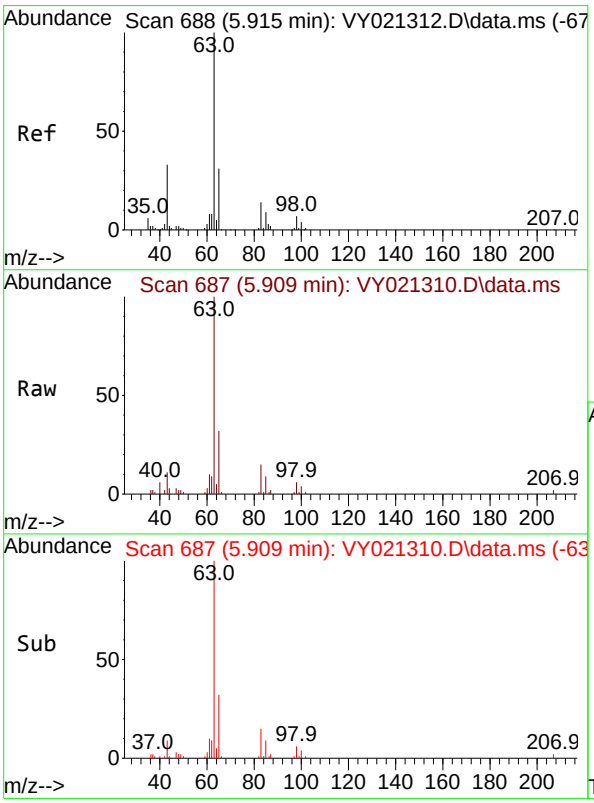

#23
Vinyl Acetate
Concen: 47.195 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 193291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.0 | 12.0 |

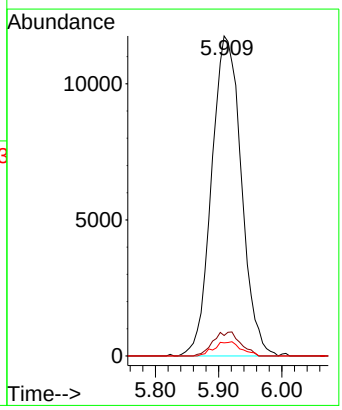


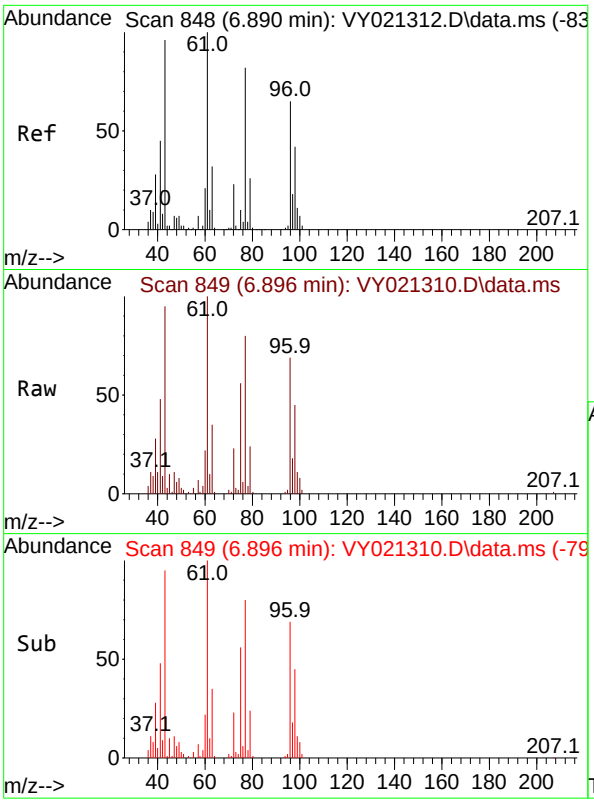




#24
1,1-Dichloroethane
Concen: 9.918 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 38311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.4 | 3.7 | 11.1 |
| 100 | 4.1 | 2.1 | 6.5 |



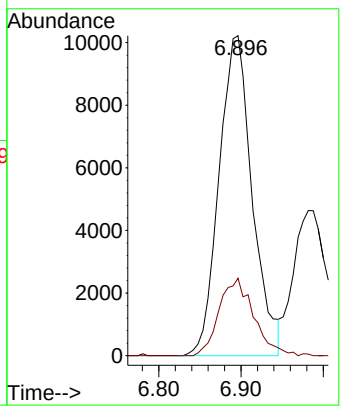


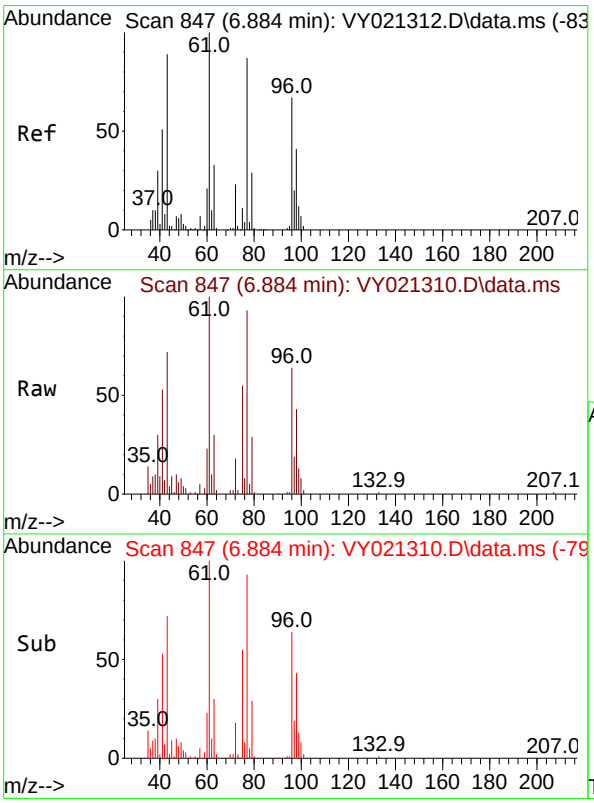

#25
2-Butanone
Concen: 47.087 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 28711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.2 | 19.0 | 28.6 |

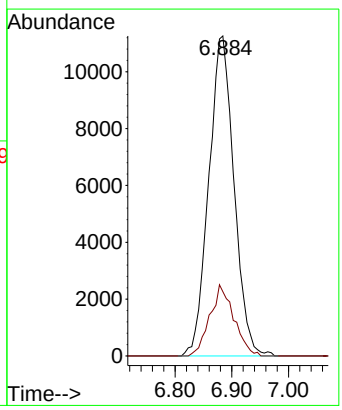


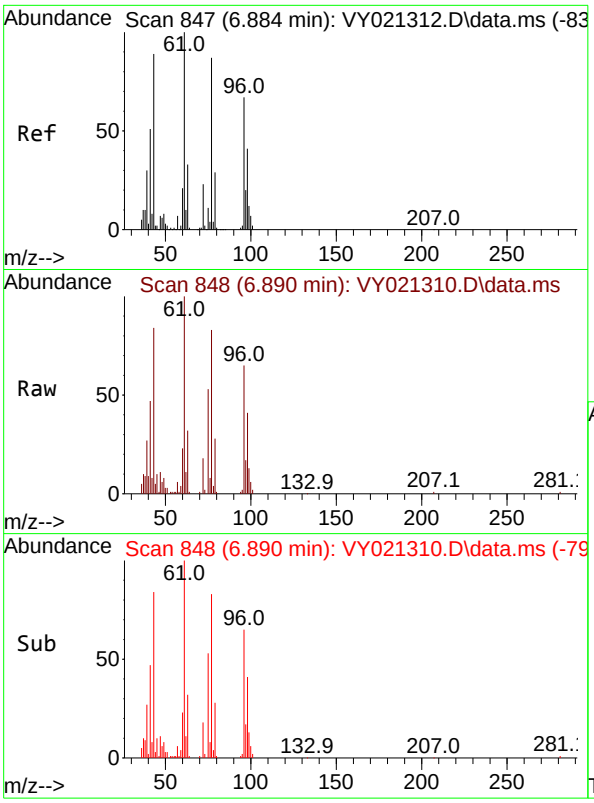




#26
2,2-Dichloropropane
Concen: 9.945 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 77 Resp: 34859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.2 | 10.9 | 32.7 |



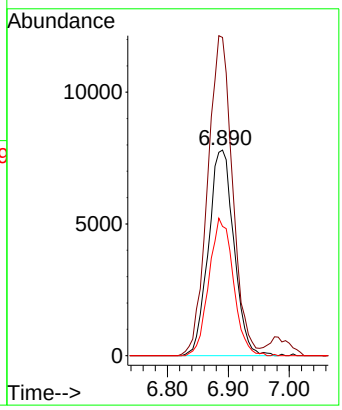


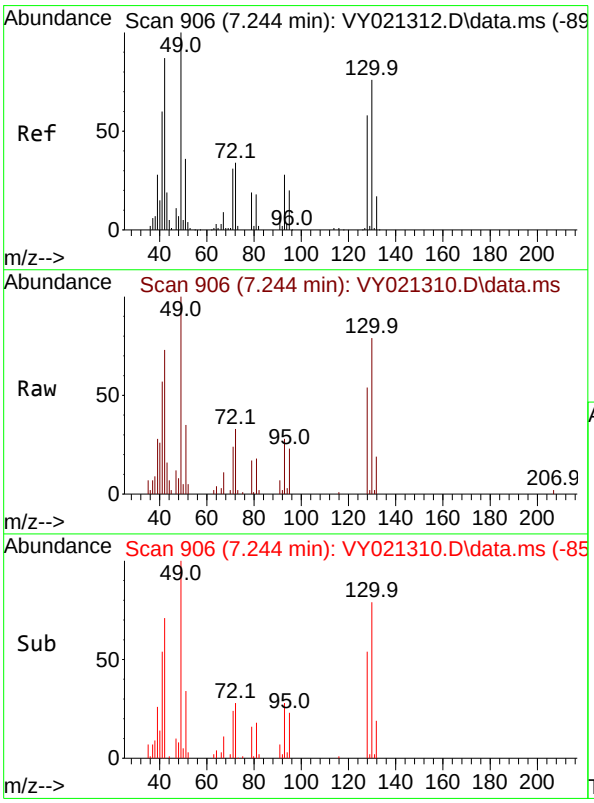

#27
cis-1,2-Dichloroethene
Concen: 9.651 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 96 Resp: 22663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.2 | 0.0 | 308.0 |
| 98 | 63.9 | 0.0 | 129.6 |

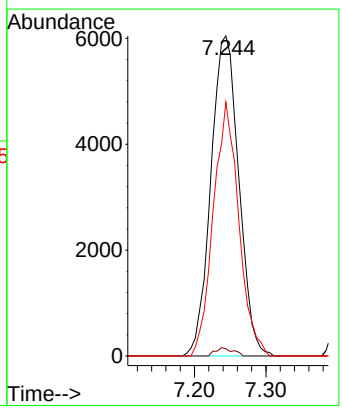


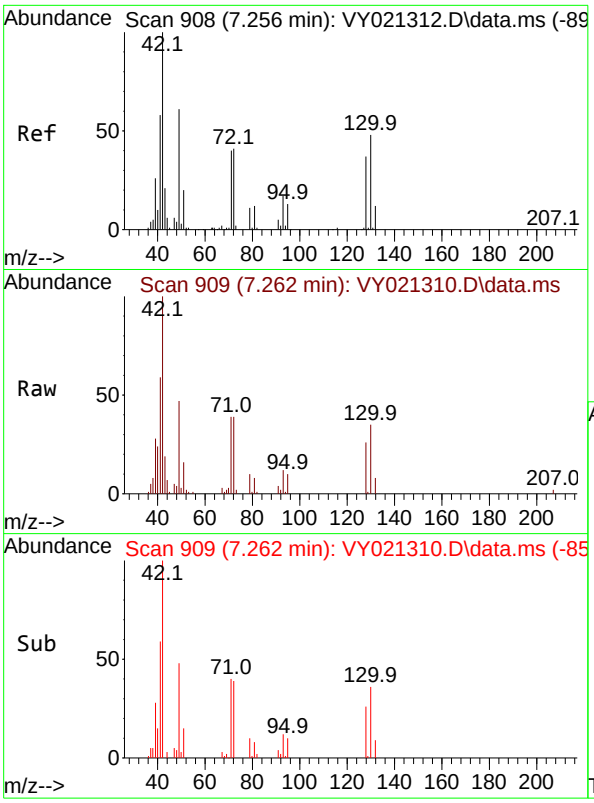




#28
Bromochloromethane
Concen: 9.605 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 49 Resp: 16417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 4.0 |
| 130 | 72.2 | 57.8 | 86.6 |



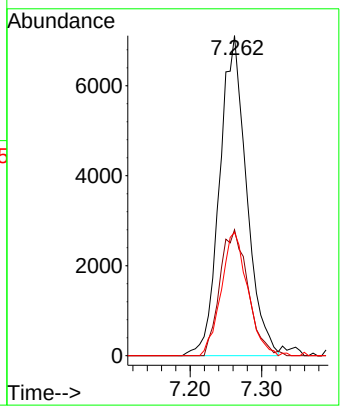


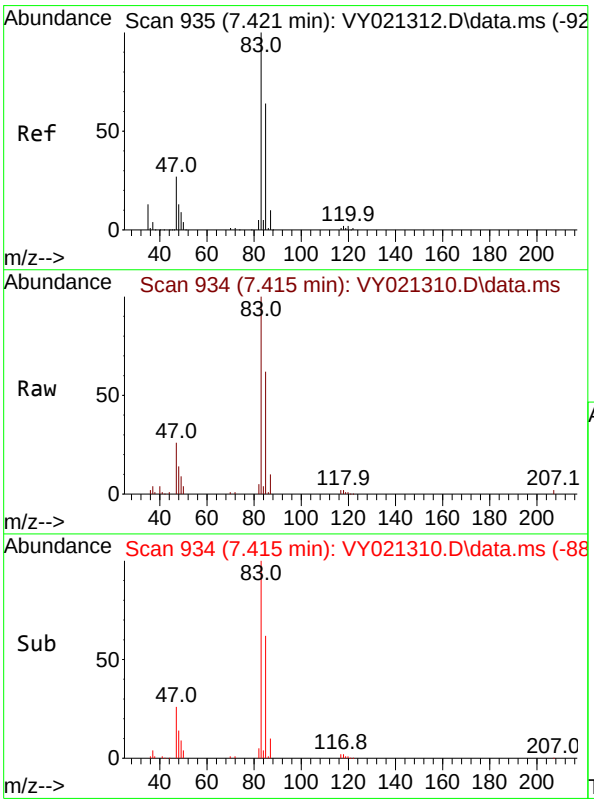

#29
Tetrahydrofuran
Concen: 46.731 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 42 Resp: 18625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.1 | 33.1 | 49.7 |
| 71 | 38.1 | 31.4 | 47.0 |

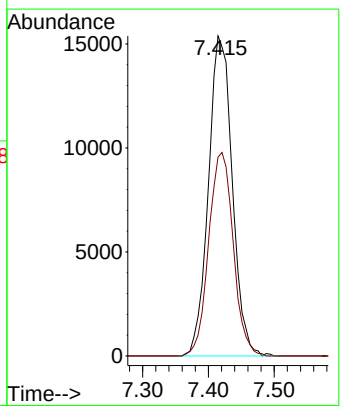


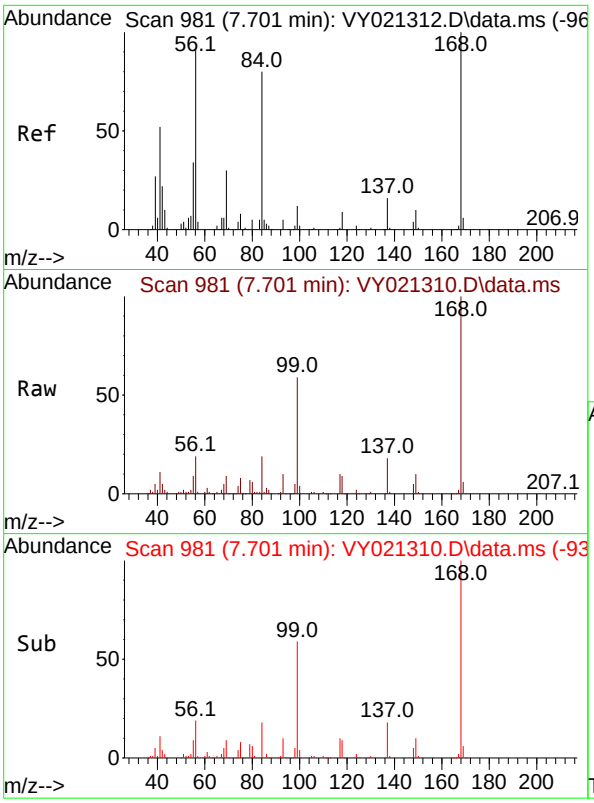




#30
Chloroform
Concen: 9.922 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 38838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.2 | 51.6 | 77.4 |



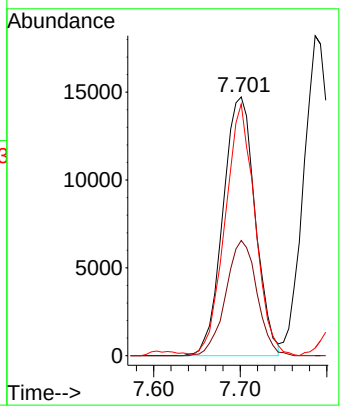


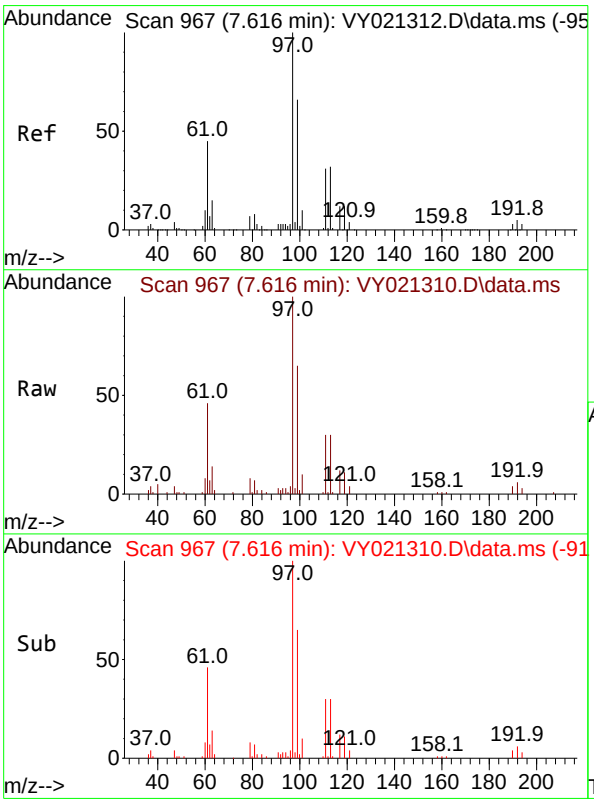

#31
Cyclohexane
Concen: 10.253 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 56 Resp: 38072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 44.5 | 26.2 | 39.4# |
| 84 | 96.3 | 70.2 | 105.4 |

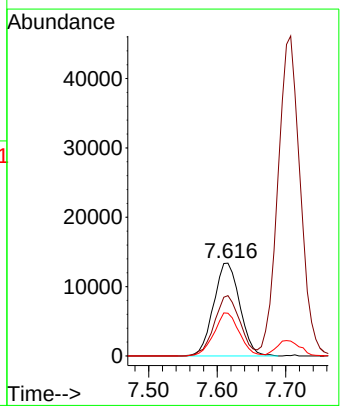


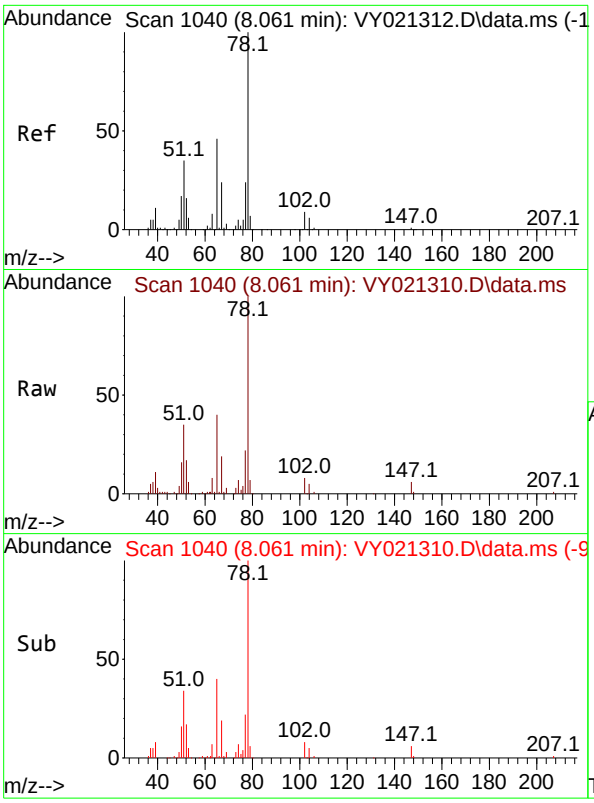




#32
1,1,1-Trichloroethane
Concen: 9.961 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 35489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 52.4 | 78.6 |
| 61 | 45.1 | 36.2 | 54.2 |



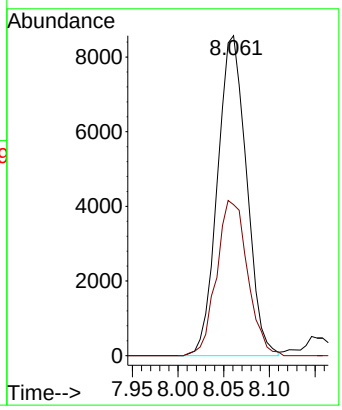


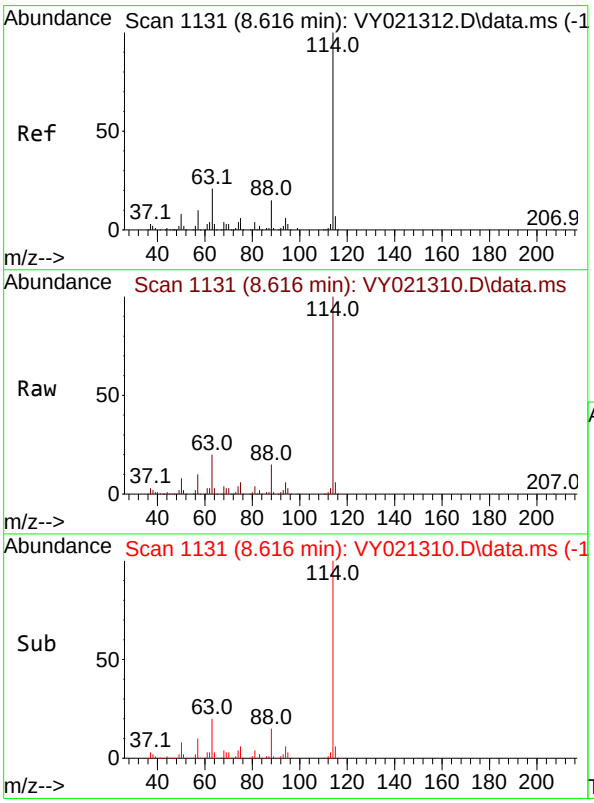

#33
1,2-Dichloroethane-d4
Concen: 8.992 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 65 Resp: 18938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 103.6 |

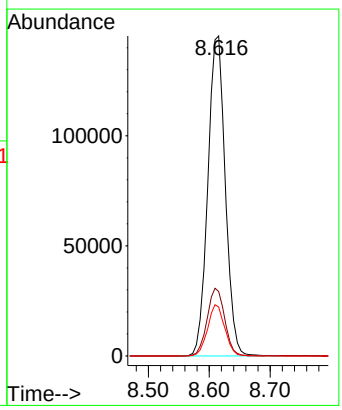


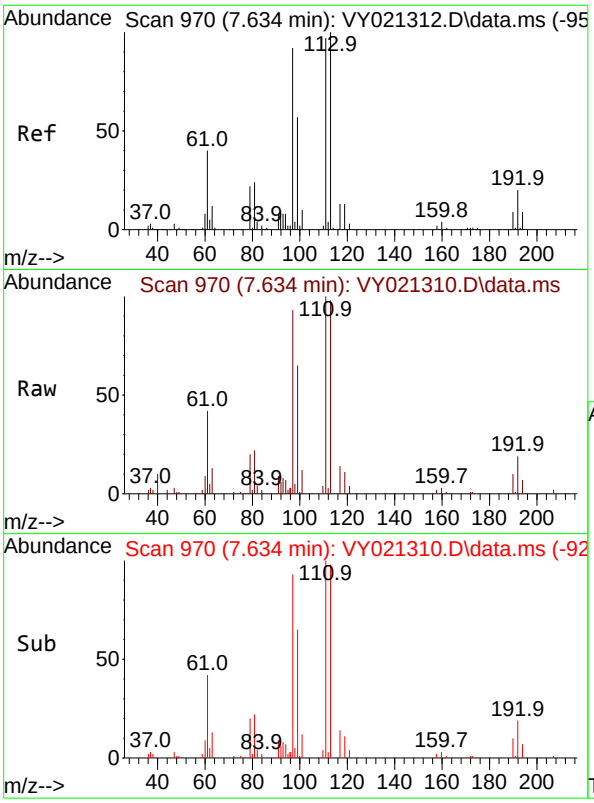




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:114 Resp: 289178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 42.2 |
| 88 | 15.3 | 0.0 | 29.8 |



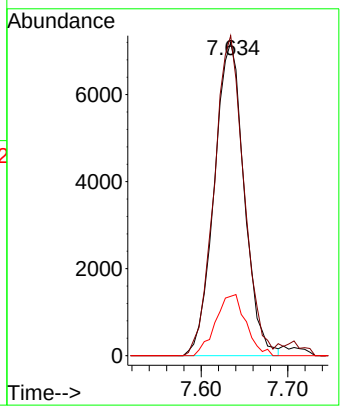


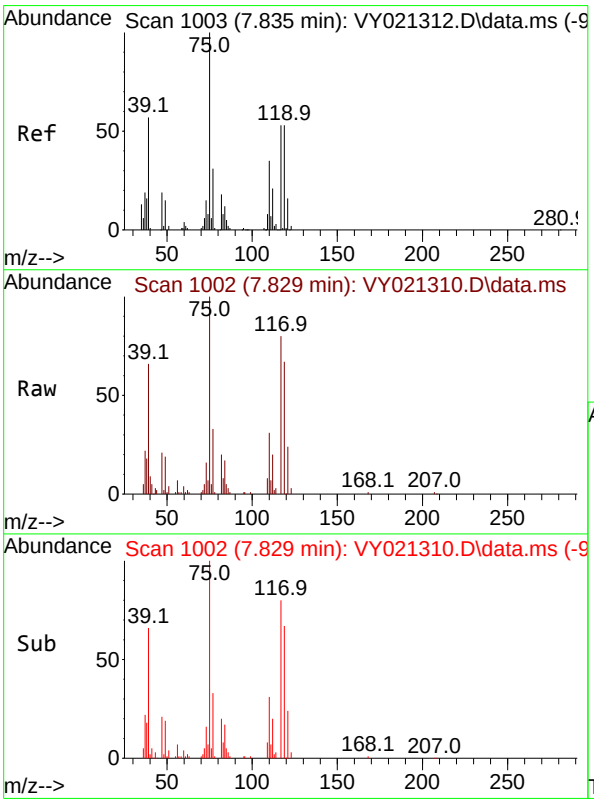

#35
Dibromofluoromethane
Concen: 9.108 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:113 Resp: 17267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 81.0 | 121.6 |
| 192 | 19.7 | 15.8 | 23.8 |

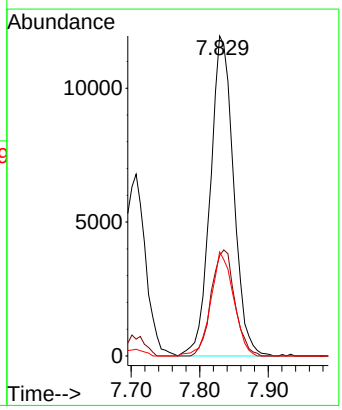


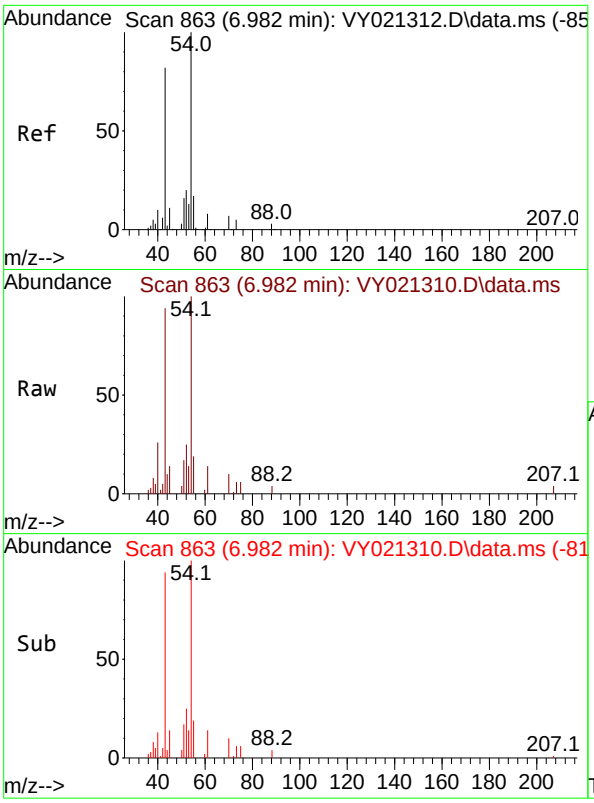




#36
1,1-Dichloropropene
Concen: 9.892 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 28171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.5 | 16.9 | 50.7 |
| 77 | 31.9 | 24.6 | 36.8 |



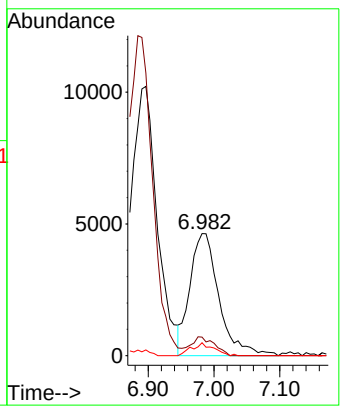


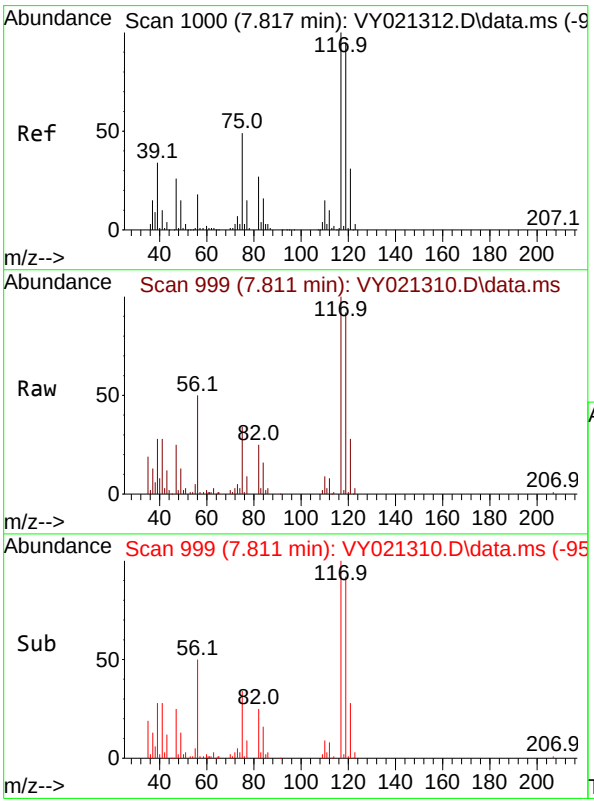

#37
Ethyl Acetate
Concen: 10.038 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 14219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.4 | 10.4 | 15.6 |
| 70 | 8.0 | 7.5 | 11.3 |

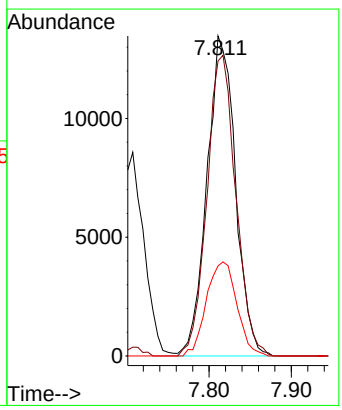


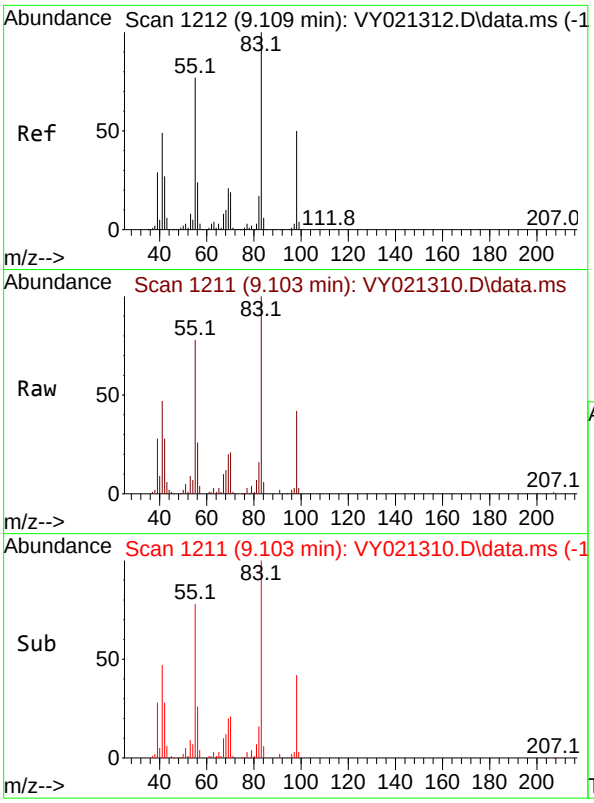




#38
Carbon Tetrachloride
Concen: 10.149 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 32494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.2 | 76.0 | 114.0 |
| 121 | 28.1 | 24.9 | 37.3 |



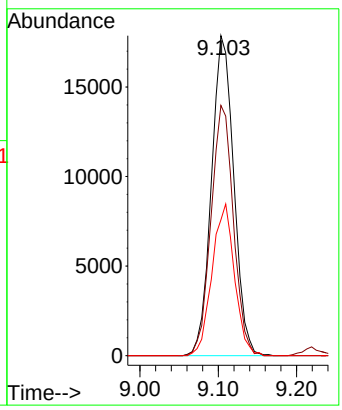


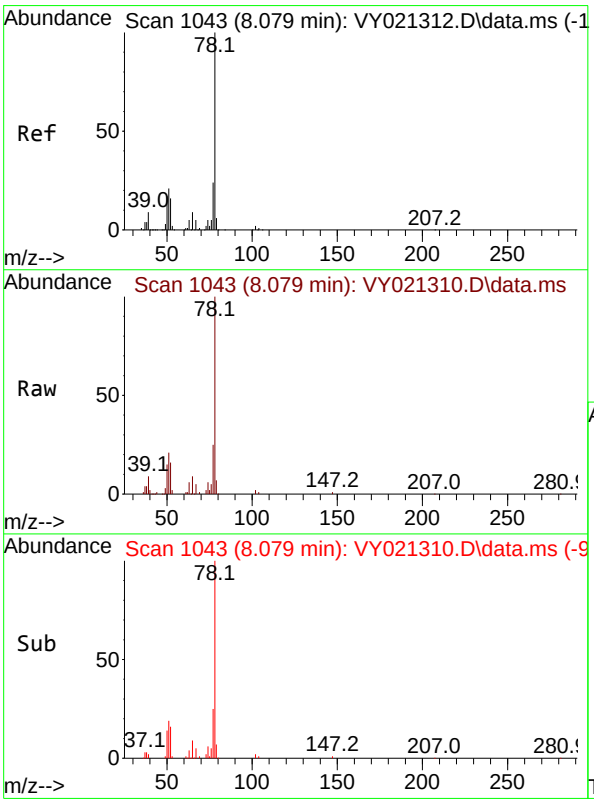

#39
Methylcyclohexane
Concen: 9.837 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 83 Resp: 35431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.2 | 61.3 | 91.9 |
| 98 | 42.5 | 39.9 | 59.9 |

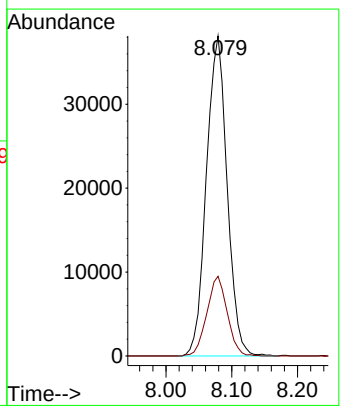


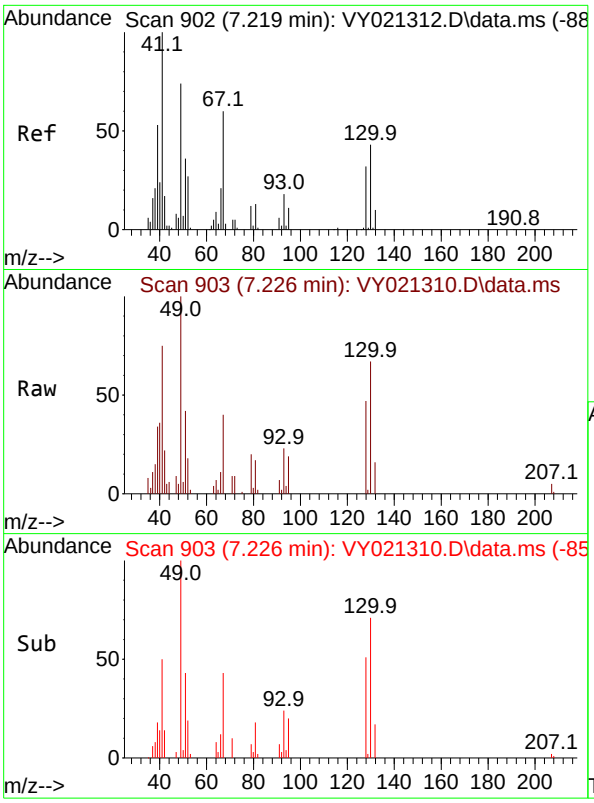




#40
Benzene
Concen: 9.930 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 78 Resp: 83594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.9 | 19.2 | 28.8 |



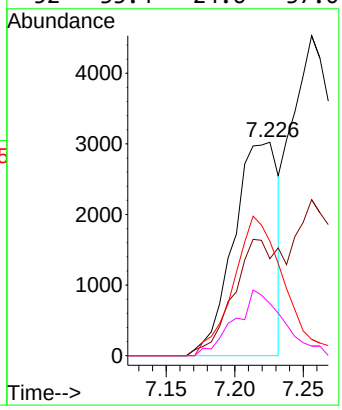


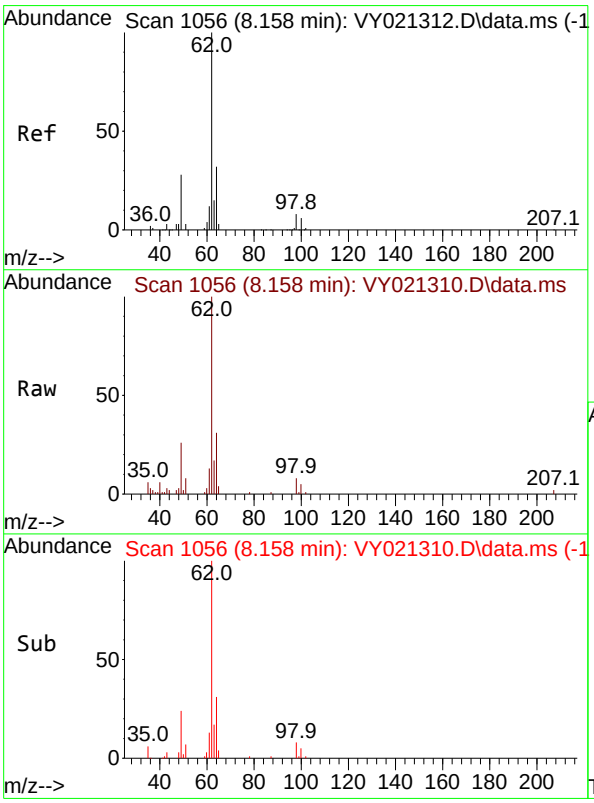

#41
Methacrylonitrile
Concen: 8.642 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 41 Resp: 6845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.5 | 42.3 | 63.5 |
| 67 | 74.2 | 54.8 | 82.2 |
| 52 | 33.4 | 24.6 | 37.0 |

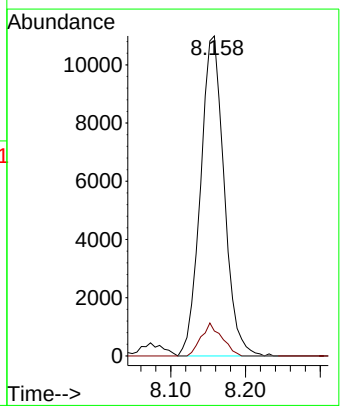


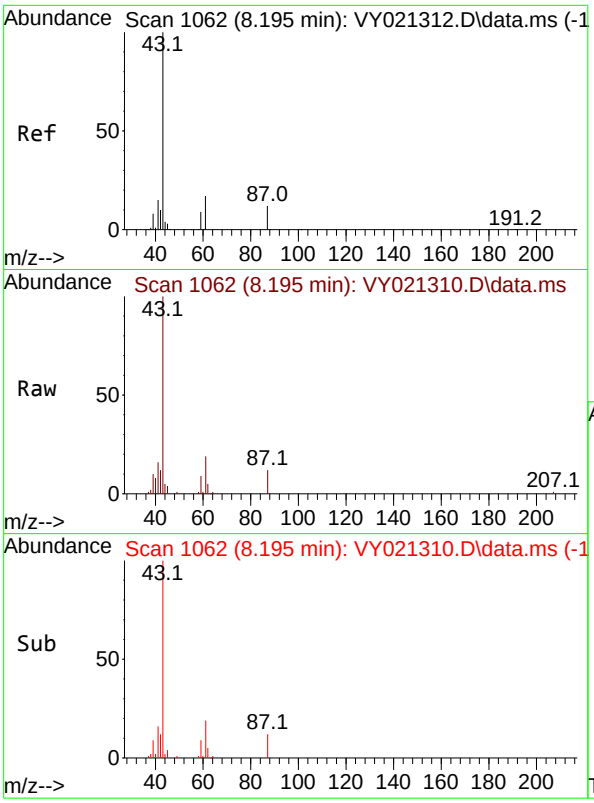




#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 24091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.6 |



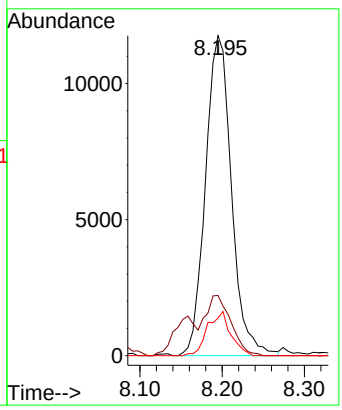


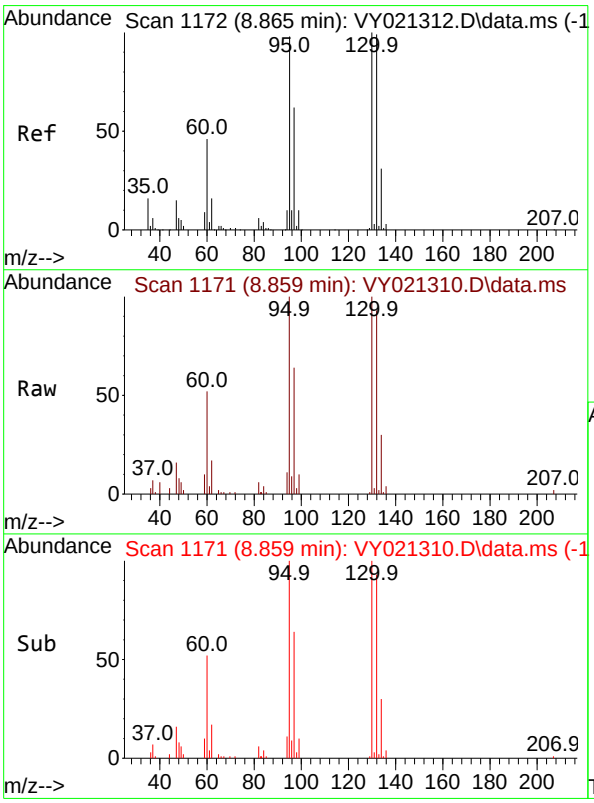

#43
Isopropyl Acetate
Concen: 9.436 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 25874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 15.0 | 22.6 |
| 87 | 12.3 | 10.0 | 15.0 |

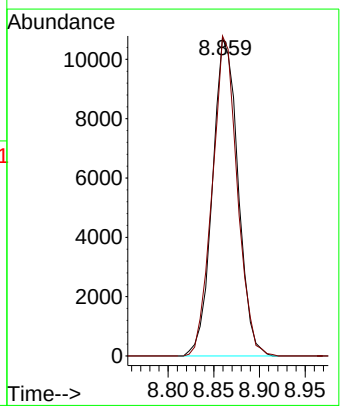


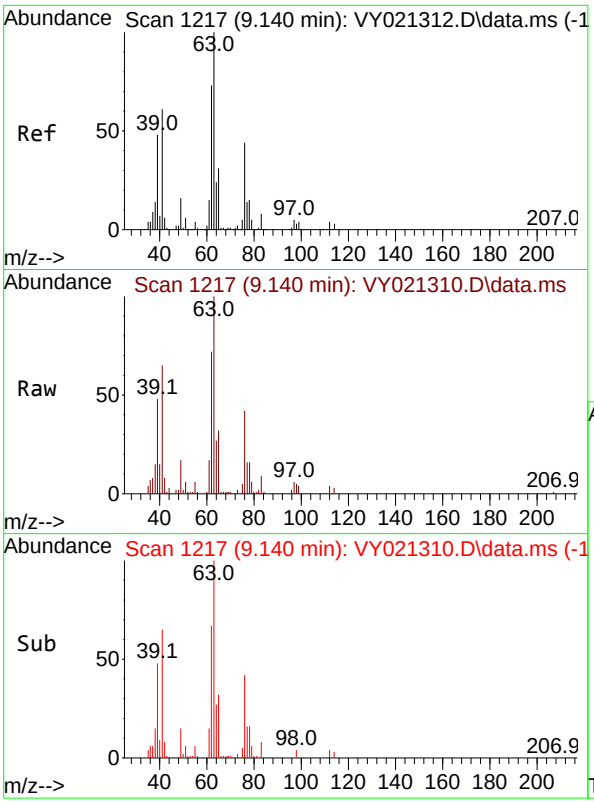




#44
Trichloroethene
Concen: 9.880 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:130 Resp: 20823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.5 | 0.0 | 196.0 |



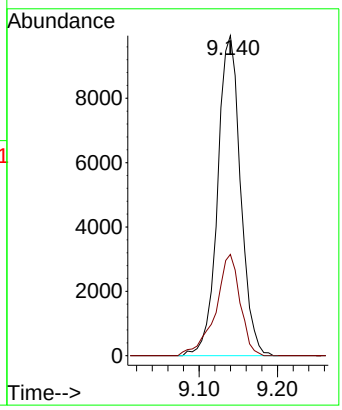


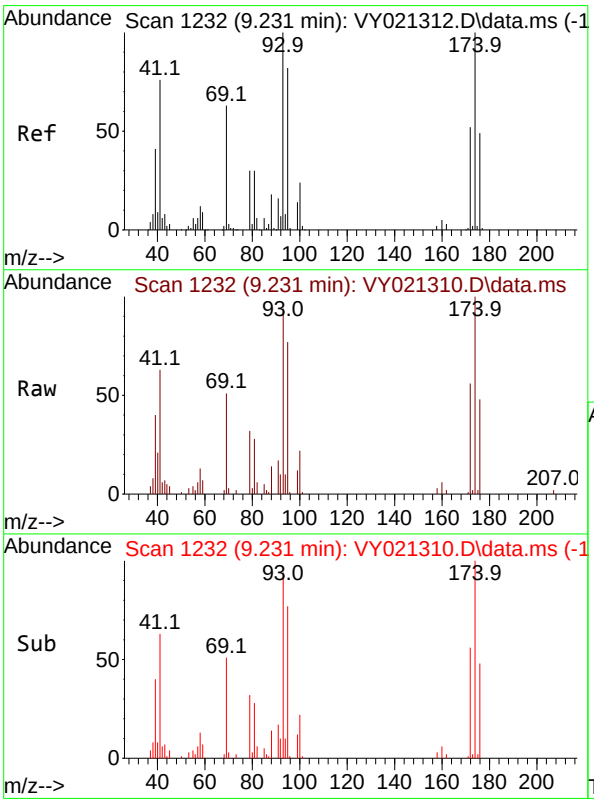

#45
1,2-Dichloropropane
Concen: 9.978 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 63 Resp: 20214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.6 | 24.6 | 36.8 |

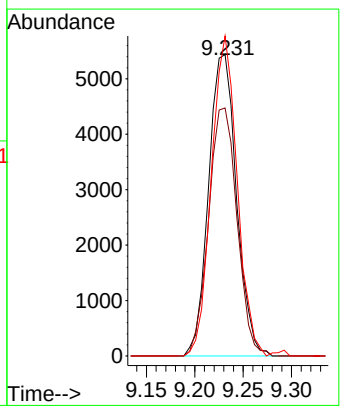


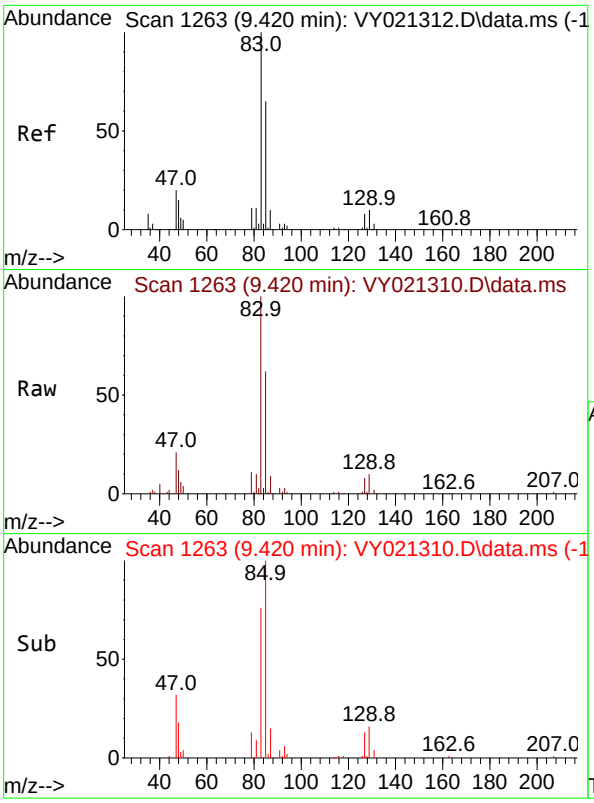




#46
Dibromomethane
Concen: 9.845 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 93 Resp: 10902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.8 | 66.4 | 99.6 |
| 174 | 98.2 | 78.2 | 117.2 |



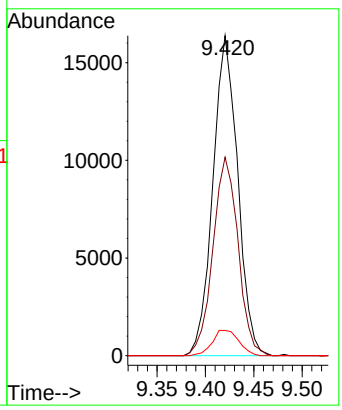


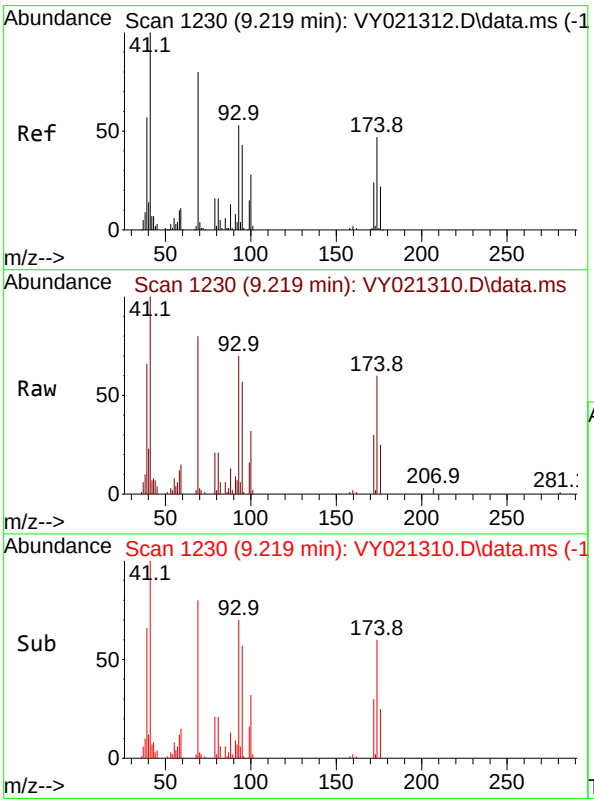

#47
Bromodichloromethane
Concen: 9.860 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 83 Resp: 29114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.0 | 51.8 | 77.8 |
| 127 | 7.9 | 6.7 | 10.1 |

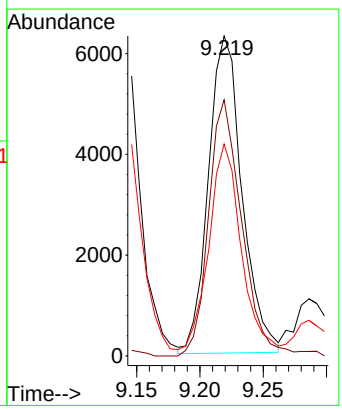


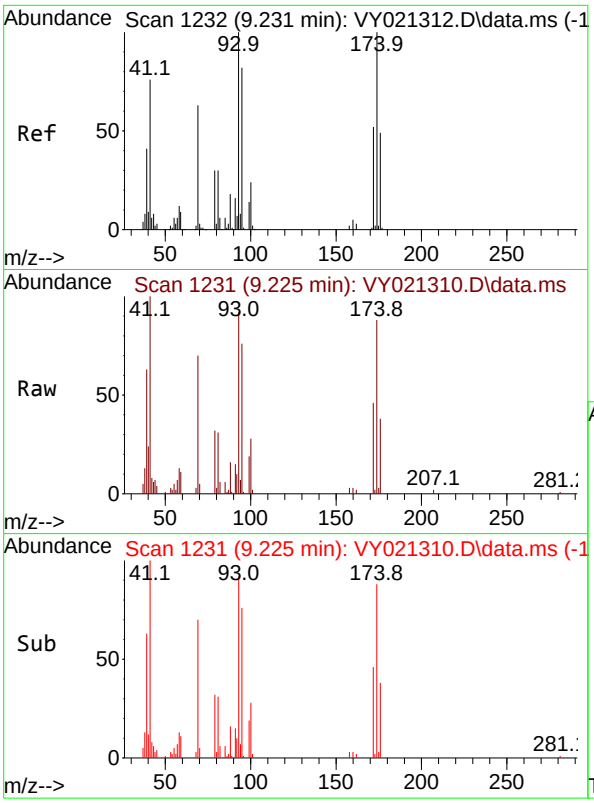




#48
Methyl methacrylate
Concen: 9.088 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 11652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.1 | 63.3 | 94.9 |
| 39 | 61.7 | 45.0 | 67.6 |



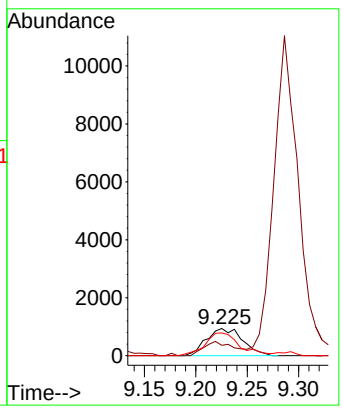


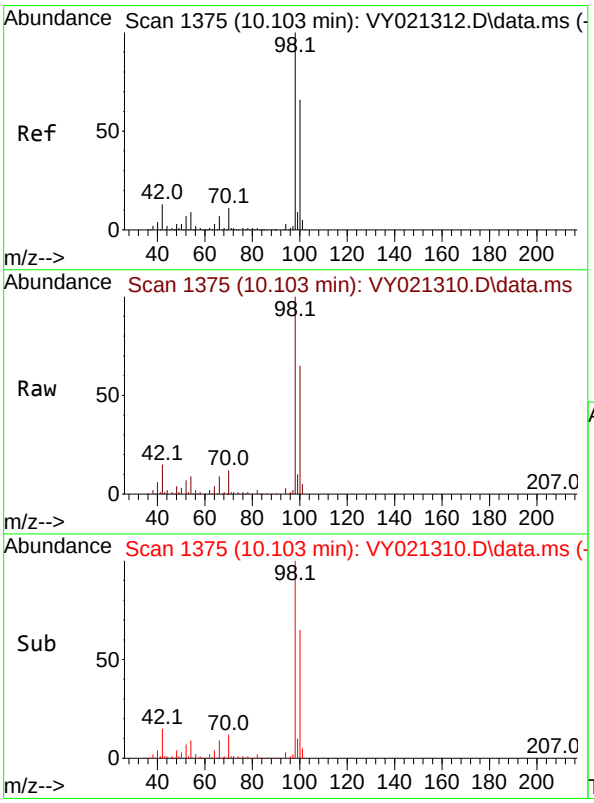

#49
1,4-Dioxane
Concen: 187.520 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 88 Resp: 2309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 44.1 | 34.8 | 52.2 |
| 58 | 79.5 | 59.8 | 89.6 |

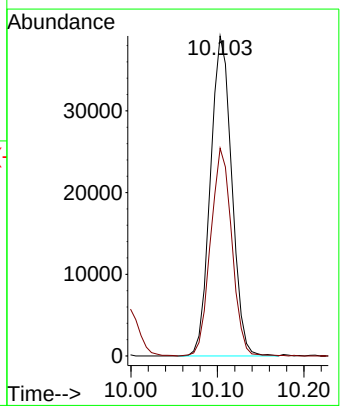


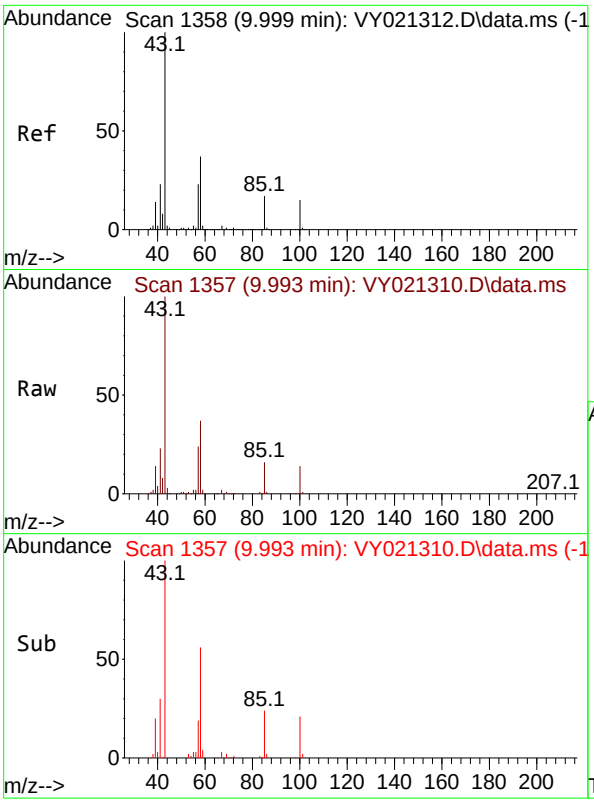




#50
Toluene-d8
Concen: 9.141 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 98 Resp: 66979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 52.4 | 78.6 |



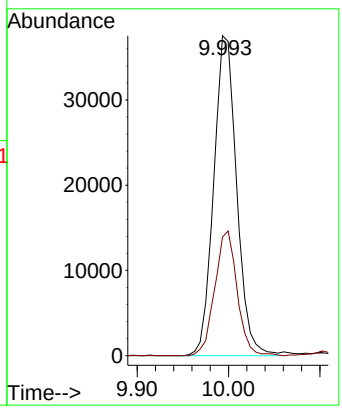


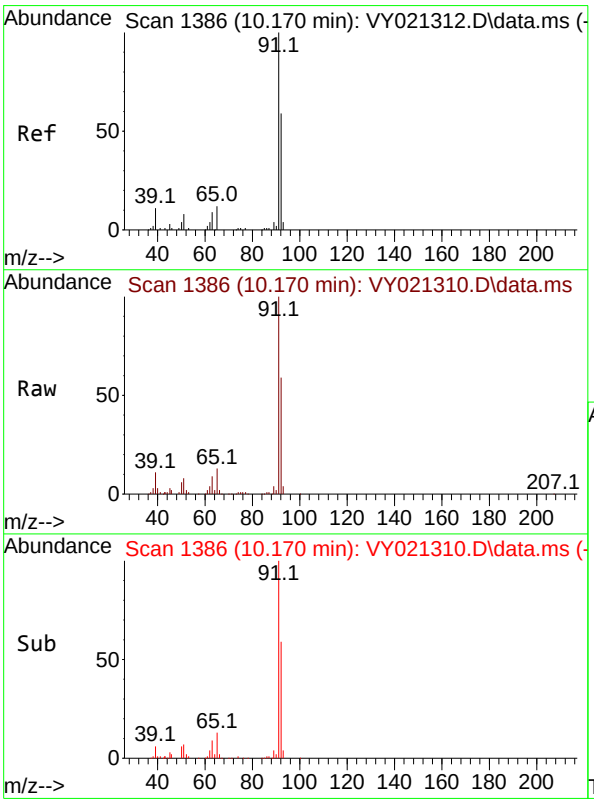

#51
4-Methyl-2-Pentanone
Concen: 46.808 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 65698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.1 | 45.1 |

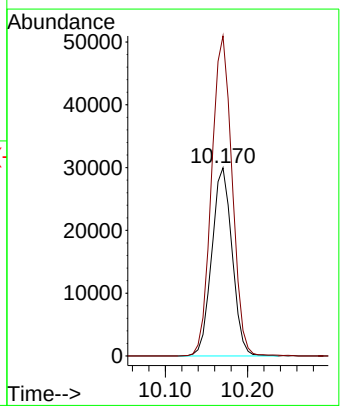


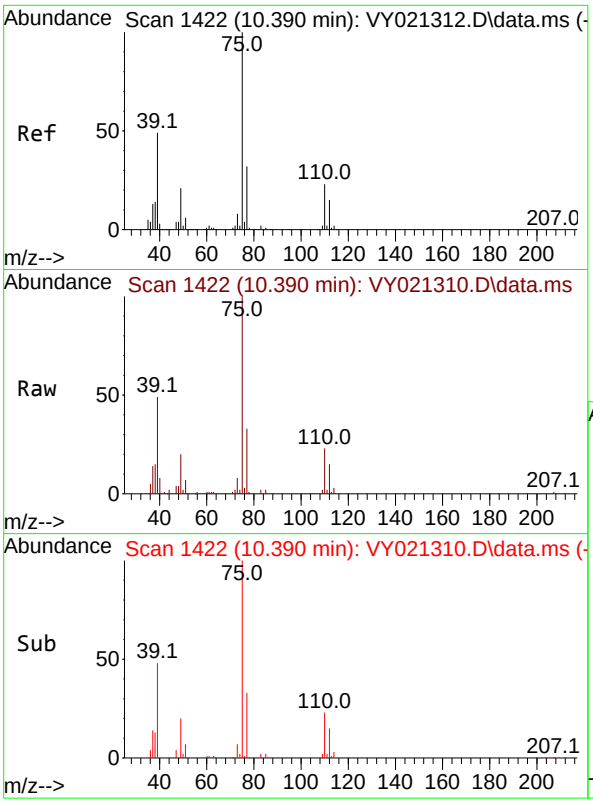




#52
Toluene
Concen: 9.823 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 92 Resp: 51371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 137.8 | 206.8 |



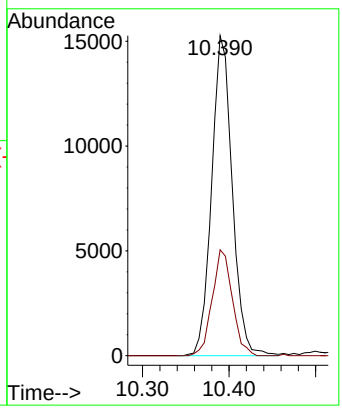


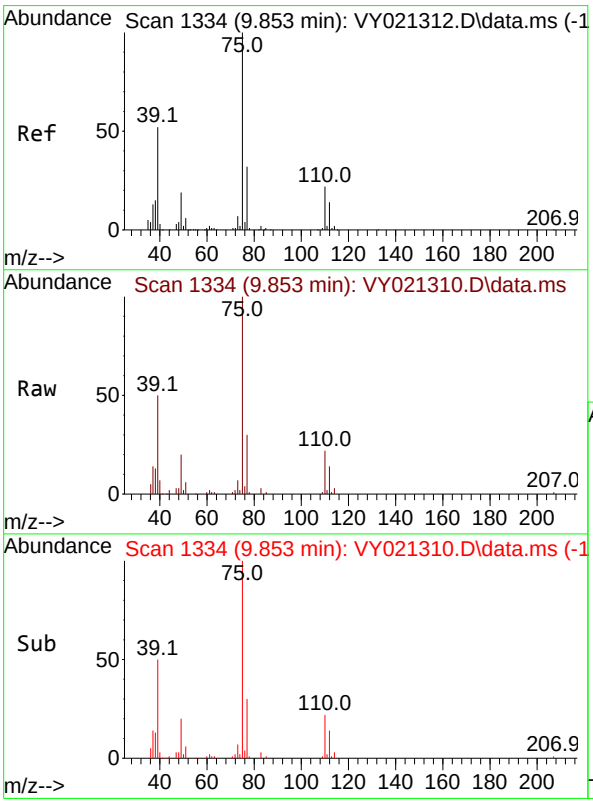

#53
t-1,3-Dichloropropene
Concen: 9.322 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 75 Resp: 25218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 25.3 | 37.9 |

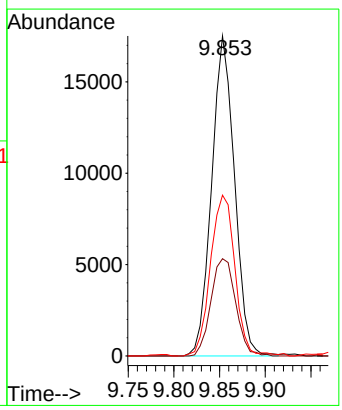


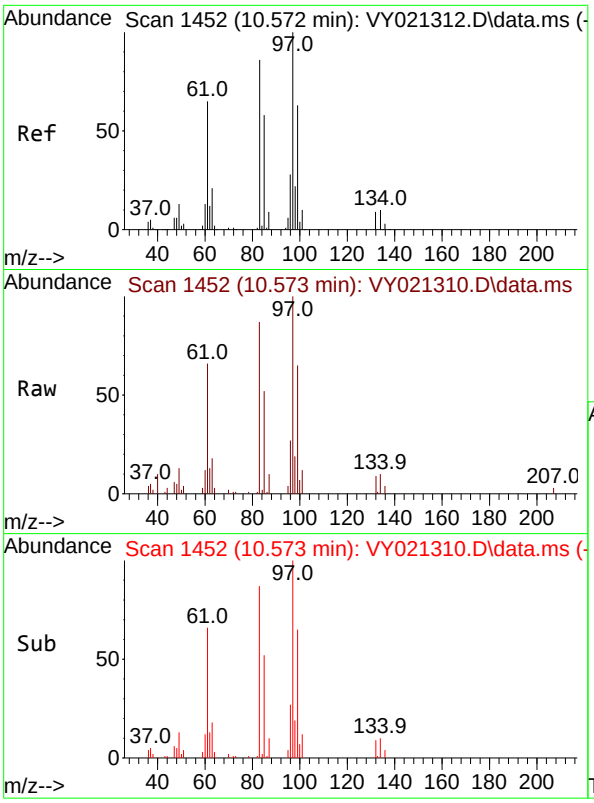




#54
cis-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 30428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.4 | 25.7 | 38.5 |
| 39 | 50.2 | 41.8 | 62.6 |



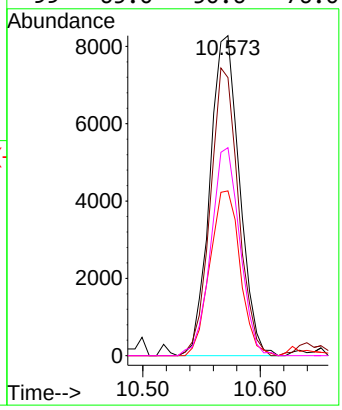


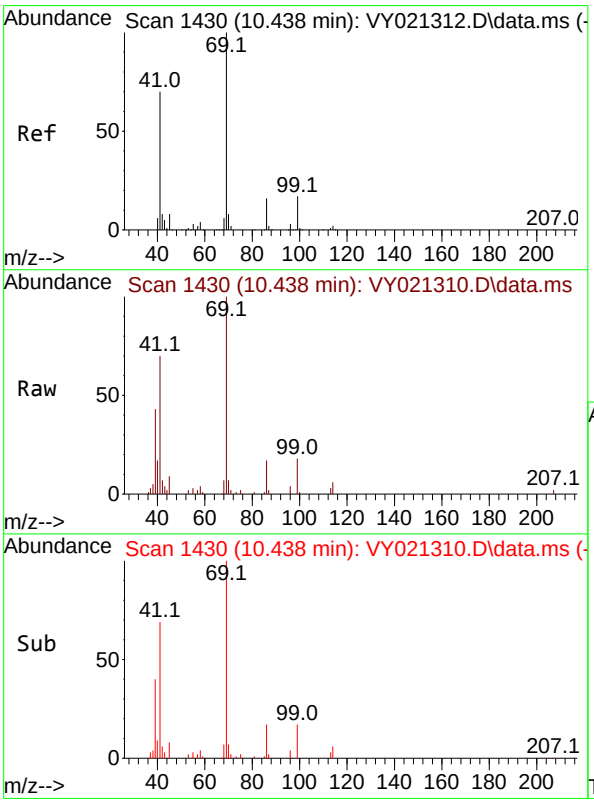

#55
1,1,2-Trichloroethane
Concen: 10.057 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 97 Resp: 14509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.9 | 68.7 | 103.1 |
| 85 | 51.5 | 46.3 | 69.5 |
| 99 | 65.0 | 50.6 | 76.0 |

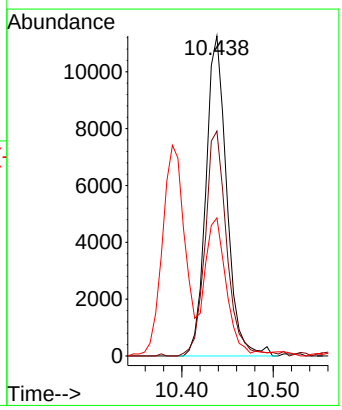


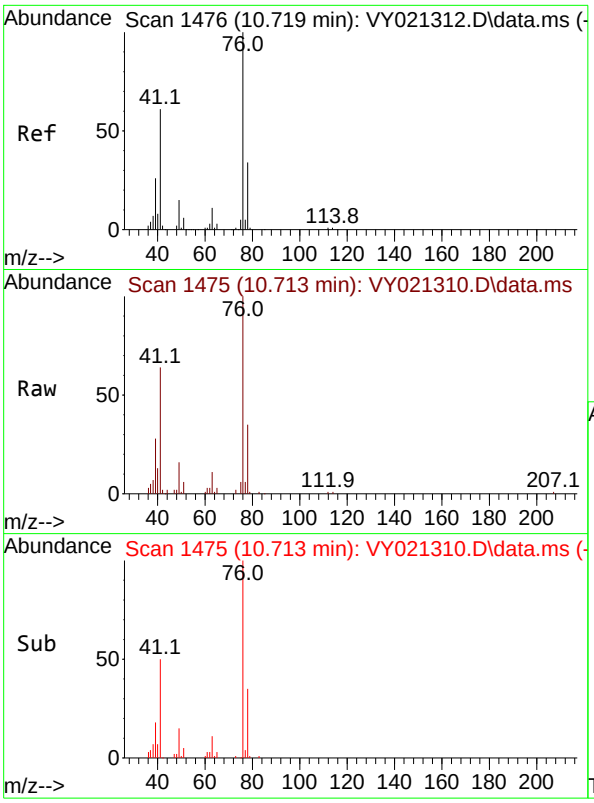




#56
Ethyl methacrylate
Concen: 8.938 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 69 Resp: 17817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 73.6 | 56.2 | 84.4 |
| 39 | 43.1 | 32.7 | 49.1 |



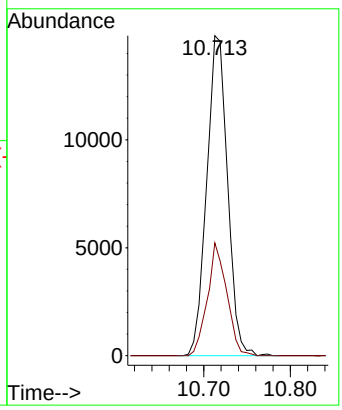


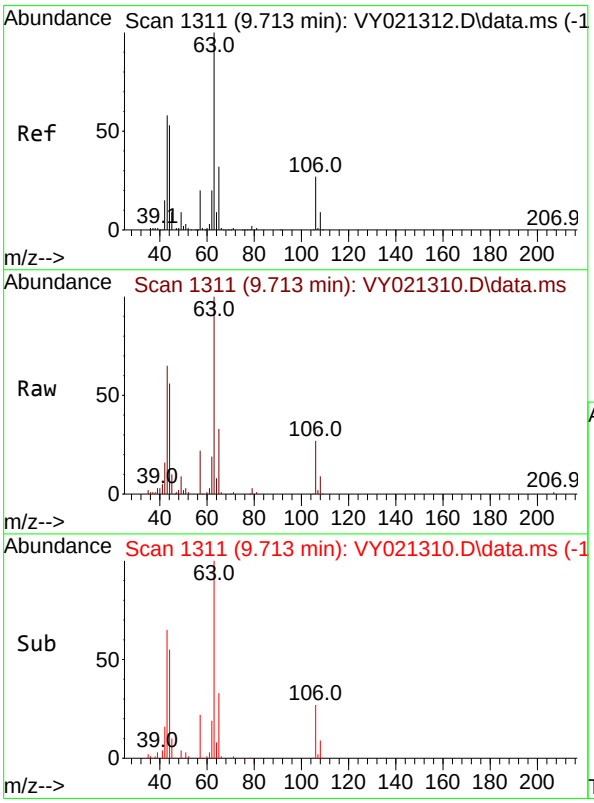

#57
1,3-Dichloropropane
Concen: 9.784 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 76 Resp: 24769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 25.9 | 38.9 |

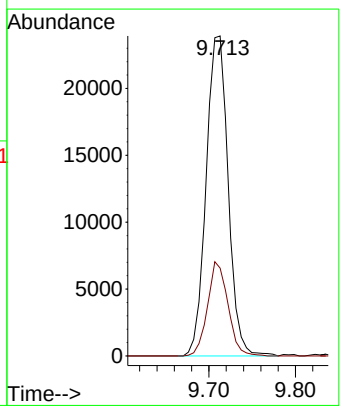


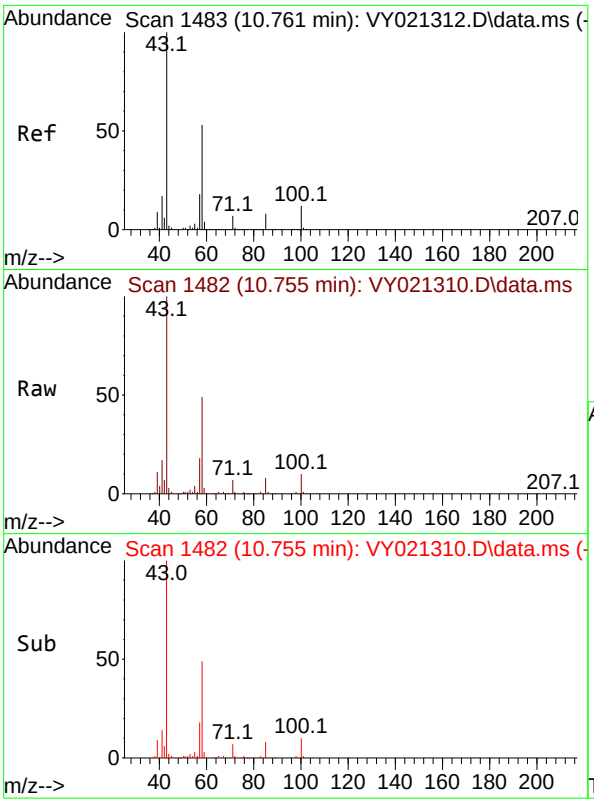




#58
2-Chloroethyl Vinyl ether
Concen: 44.215 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 42304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 21.7 | 32.5 |



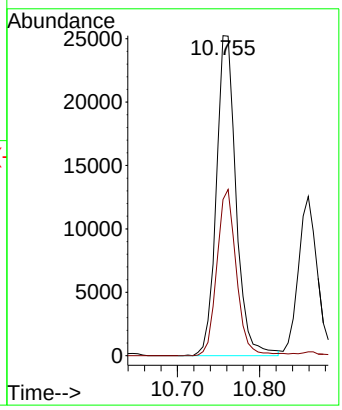


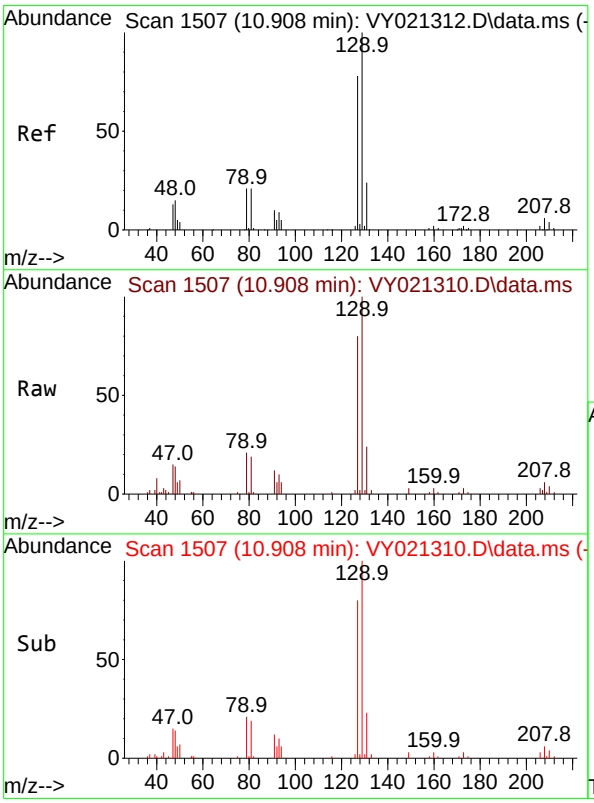

#59
2-Hexanone
Concen: 45.697 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 42123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.3 | 25.9 | 77.6 |

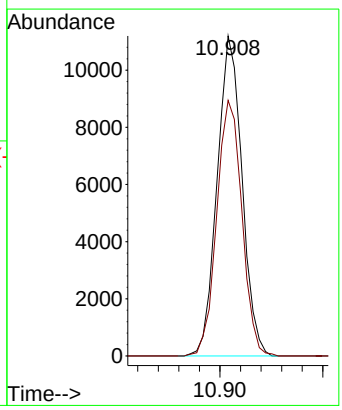


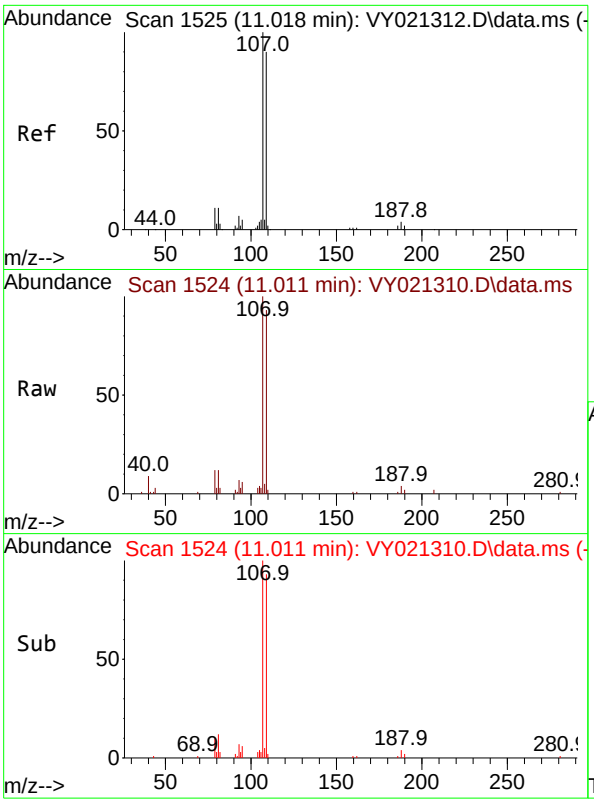




#60
Dibromochloromethane
Concen: 9.565 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:129 Resp: 18793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 80.8 | 38.8 | 116.4 |



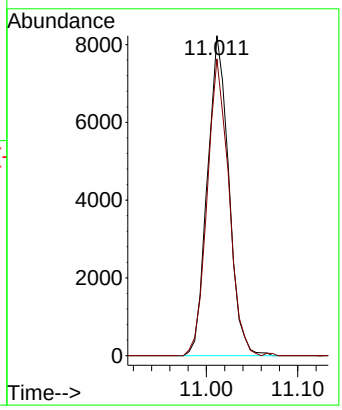


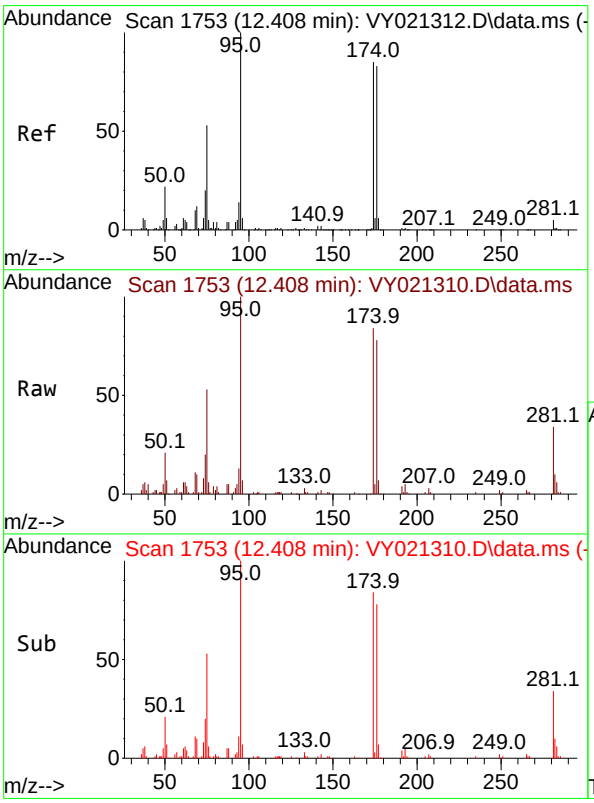

#61
1,2-Dibromoethane
Concen: 9.775 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:107 Resp: 13351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 73.8 | 110.8 |

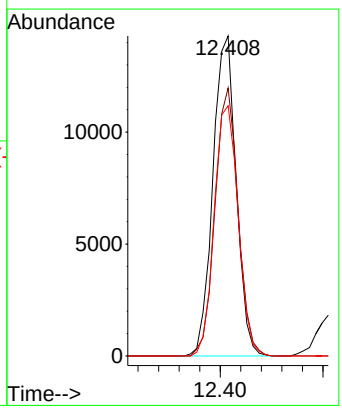


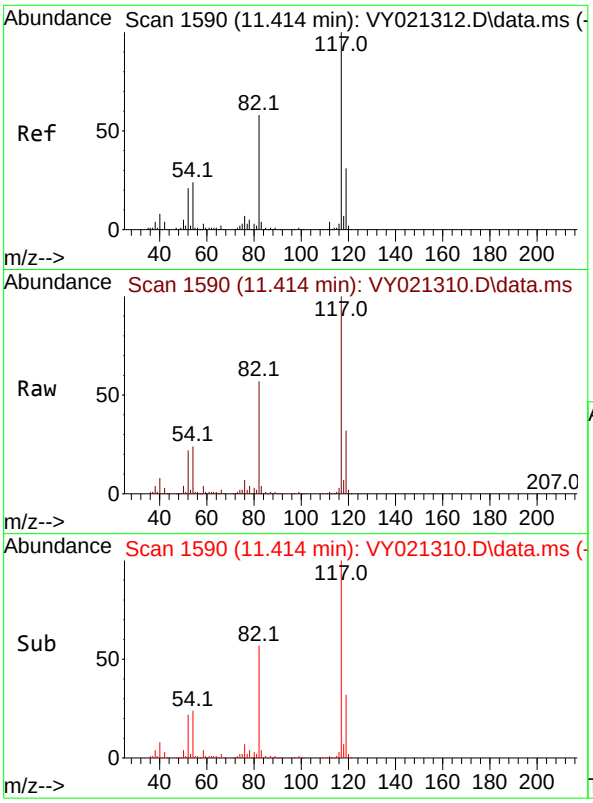




#62
4-Bromofluorobenzene
Concen: 9.069 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 95 Resp: 22364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.0 | 0.0 | 168.0 |
| 176 | 80.9 | 0.0 | 162.6 |



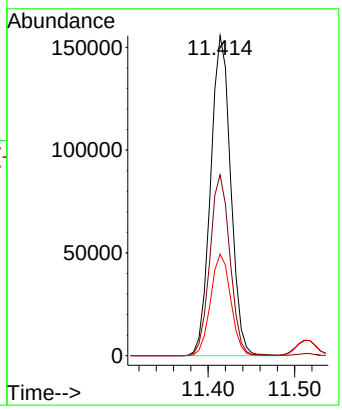


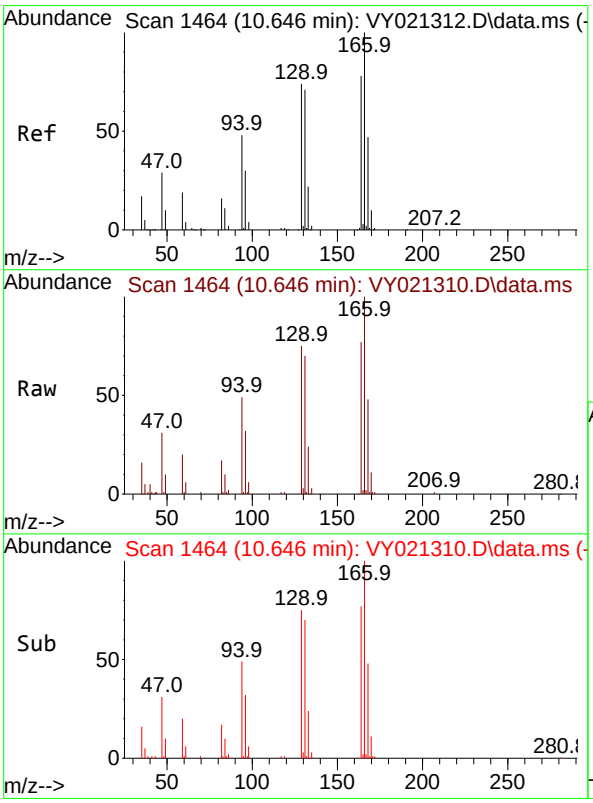

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:117 Resp: 250629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.5 | 46.2 | 69.4 |
| 119 | 31.7 | 24.9 | 37.3 |

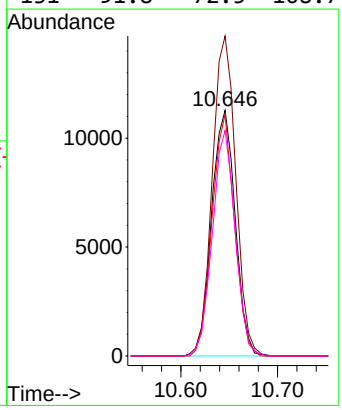


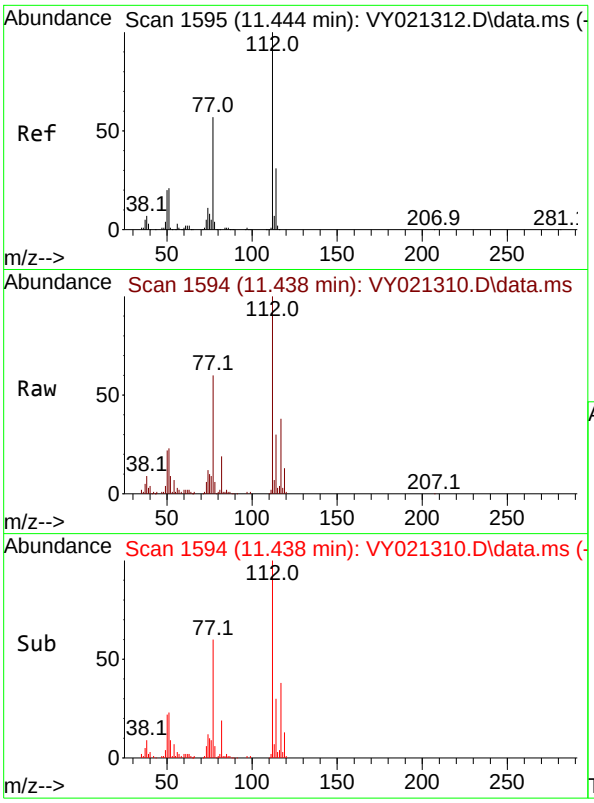




#64
Tetrachloroethene
Concen: 10.064 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:164 Resp: 19065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.3 | 101.9 | 152.9 |
| 129 | 98.3 | 75.5 | 113.3 |
| 131 | 91.8 | 72.5 | 108.7 |



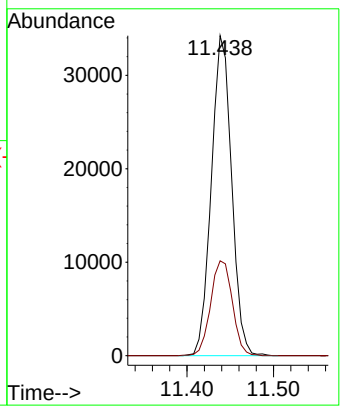


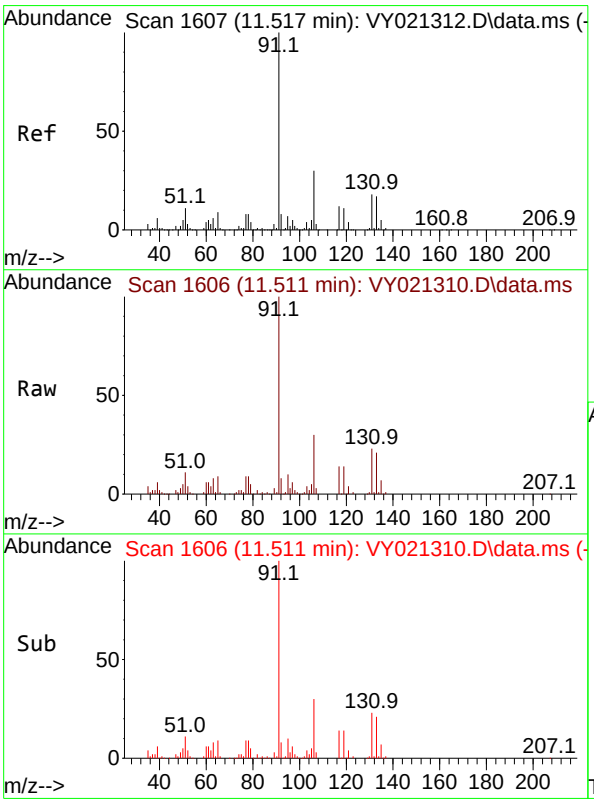

#65
Chlorobenzene
Concen: 9.899 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:112 Resp: 55689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 29.6 | 25.0 | 37.6 |

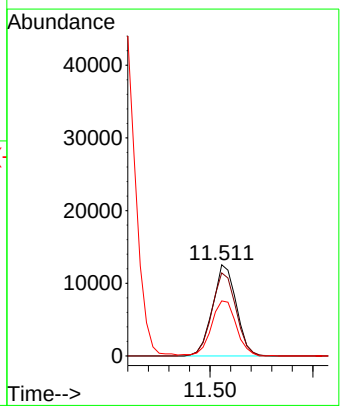


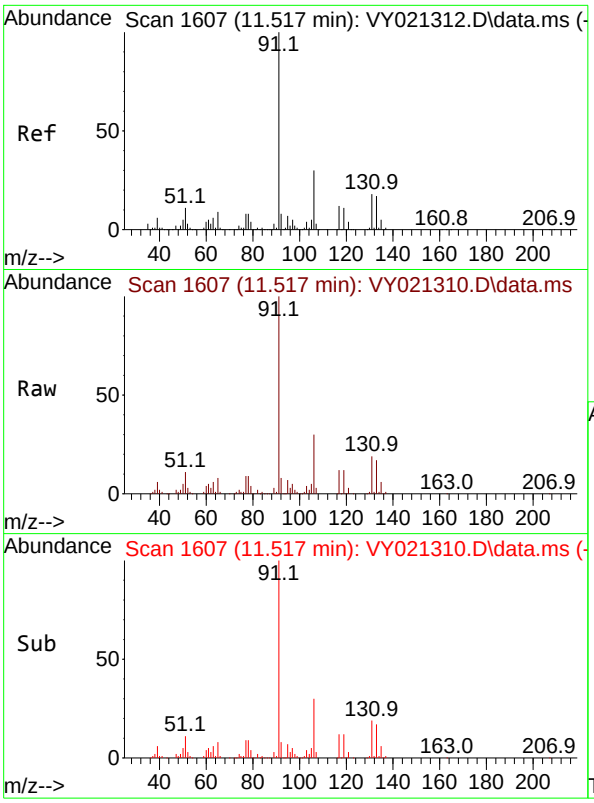




#66
1,1,1,2-Tetrachloroethane
Concen: 10.198 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:131 Resp: 20089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.0 | 47.9 | 143.6 |
| 119 | 62.8 | 31.7 | 95.1 |



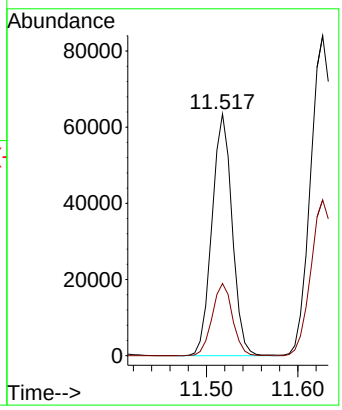


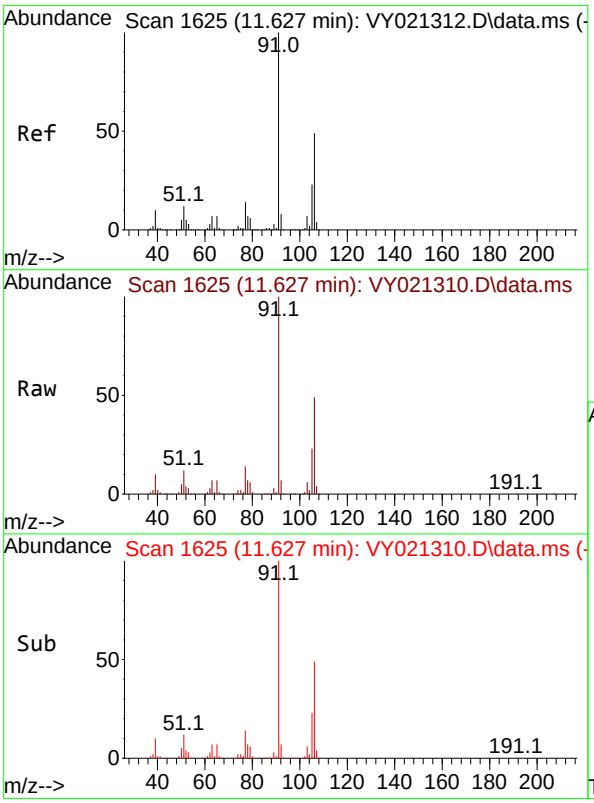

#67
Ethyl Benzene
Concen: 9.764 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 91 Resp: 97299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.8 | 24.4 | 36.6 |

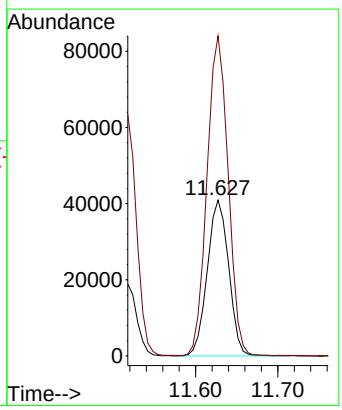


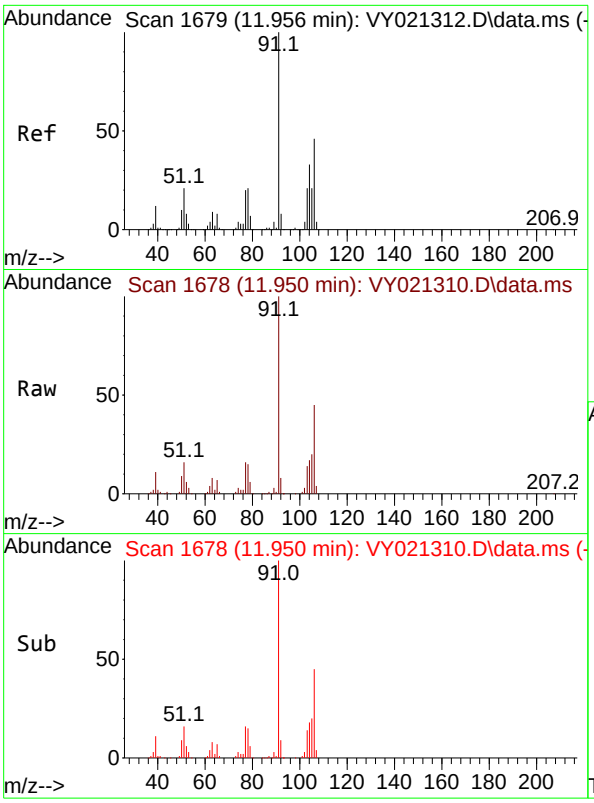




#68
m/p-Xylenes
Concen: 19.740 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 73991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.6 | 163.9 | 245.9 |



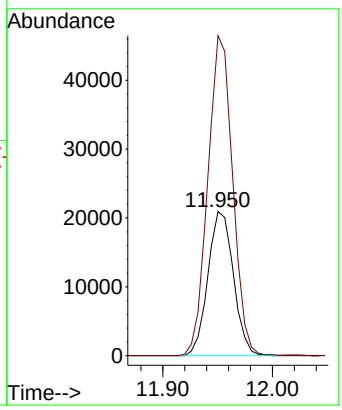


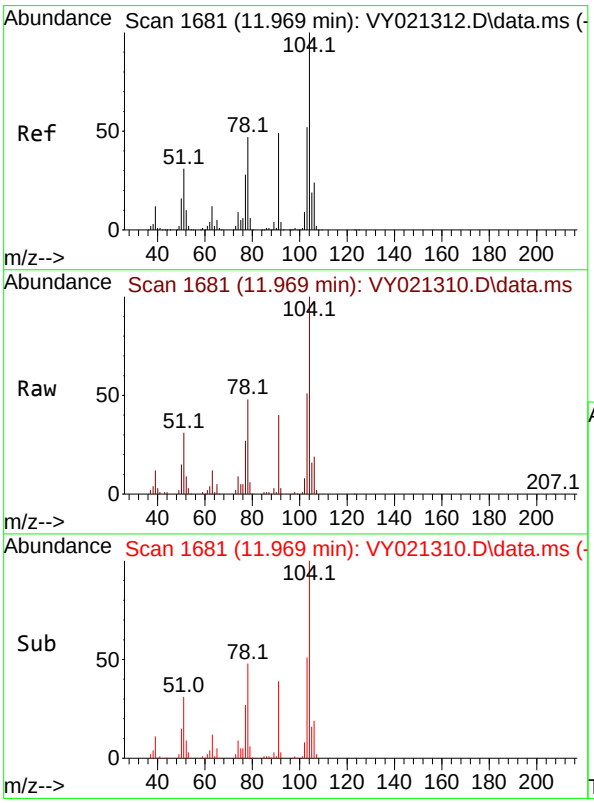

#69
o-Xylene
Concen: 9.632 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:106 Resp: 33822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.1 | 108.1 | 324.2 |

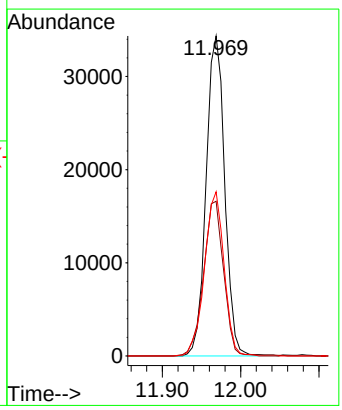


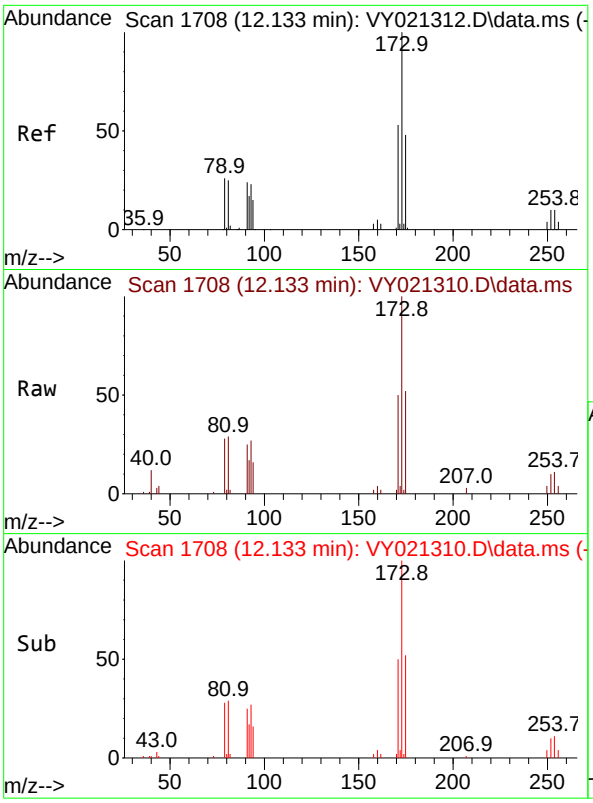




#70
Styrene
Concen: 9.679 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:104 Resp: 56550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.2 | 41.3 | 61.9 |
| 103 | 54.2 | 43.9 | 65.9 |



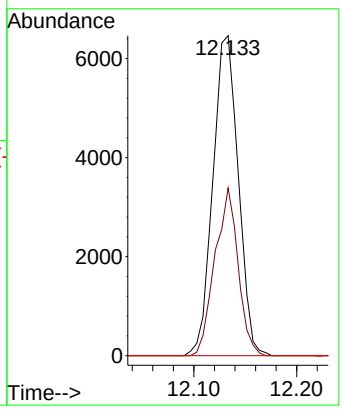


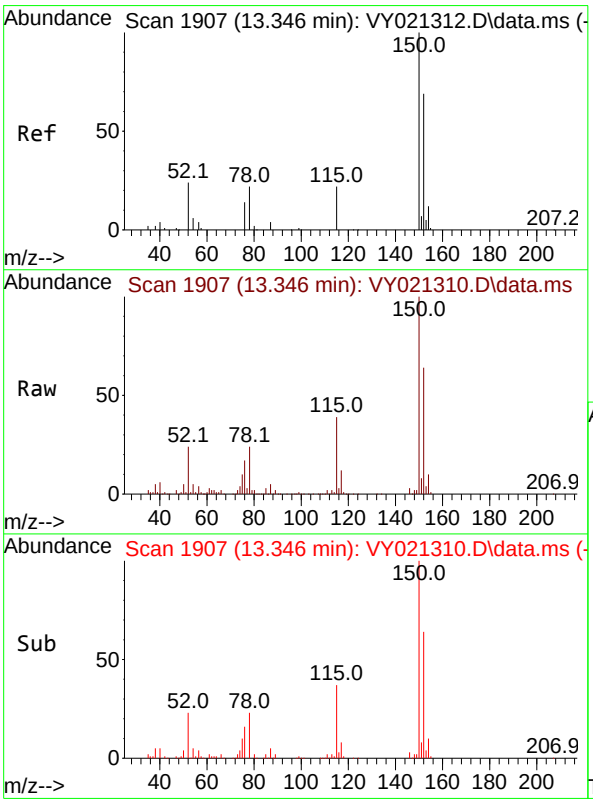

#71
Bromoform
Concen: 9.820 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:173 Resp: 11067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.9 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1# |

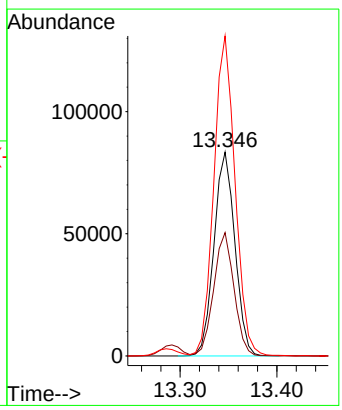


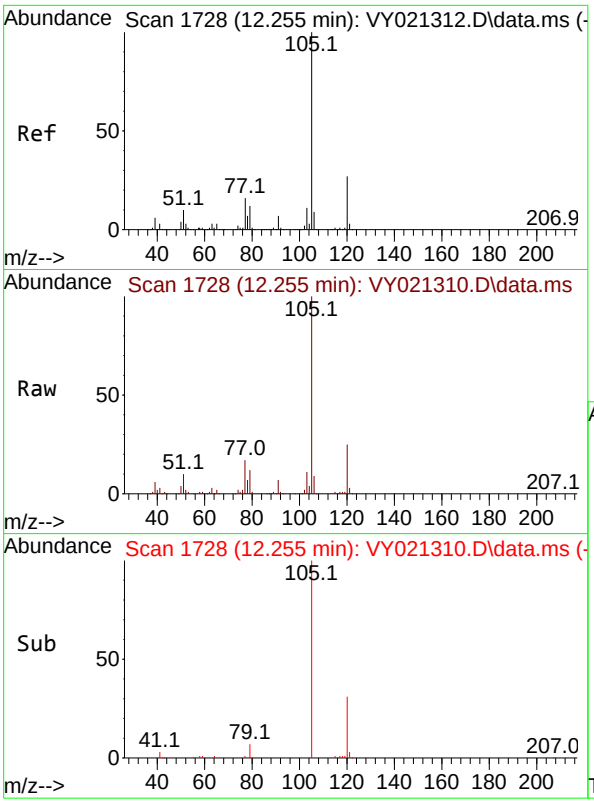




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:152 Resp: 125138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.0 | 29.3 | 88.0 |
| 150 | 159.4 | 0.0 | 347.4 |



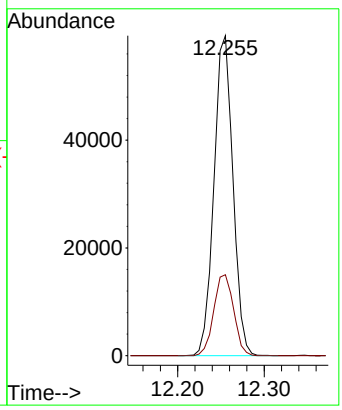


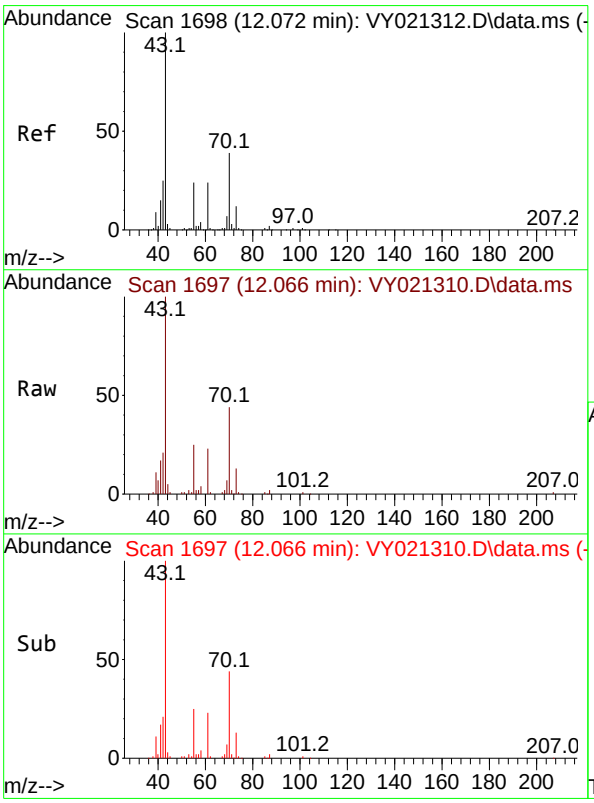

#73
Isopropylbenzene
Concen: 9.590 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:105 Resp: 90221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.3 | 39.8 |

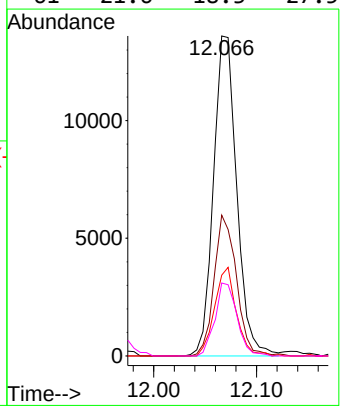


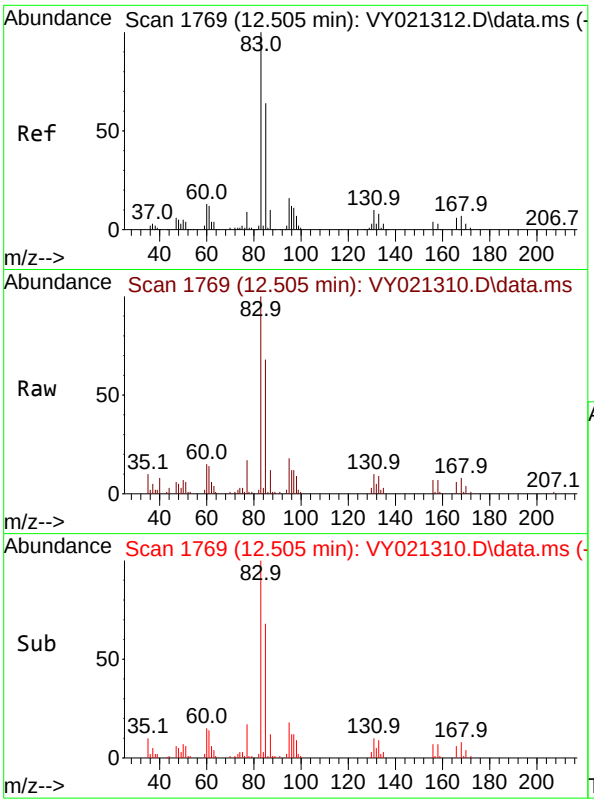




#74
N-amyl acetate
Concen: 8.937 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 21370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.4 | 32.2 | 48.2 |
| 55 | 25.9 | 19.6 | 29.4 |
| 61 | 21.6 | 18.3 | 27.5 |



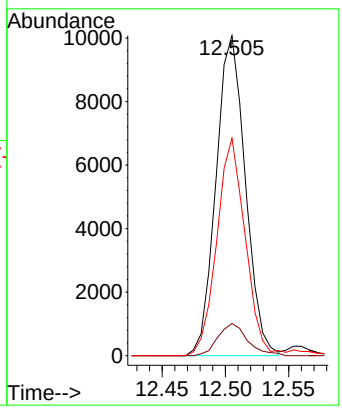


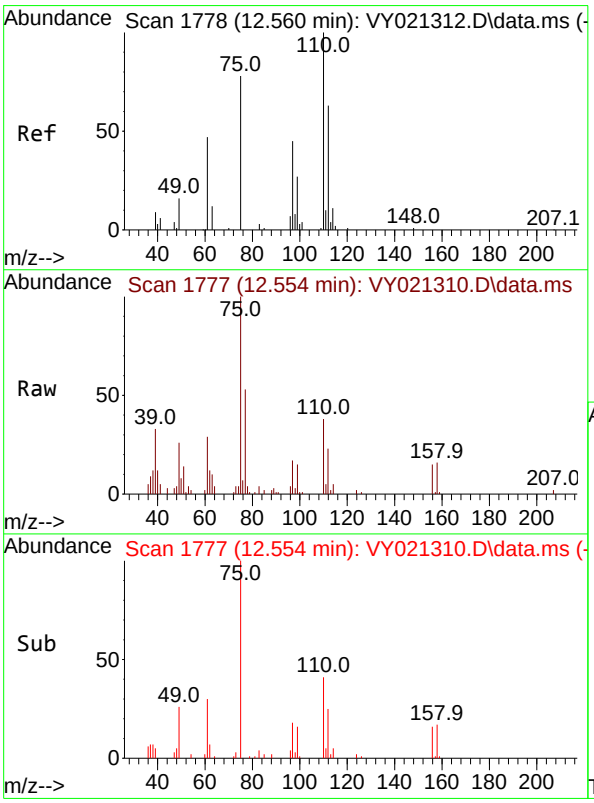

#75
1,1,2,2-Tetrachloroethane
Concen: 9.785 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 83 Resp: 16246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.2 | 15.6 |
| 85 | 65.8 | 32.0 | 96.0 |

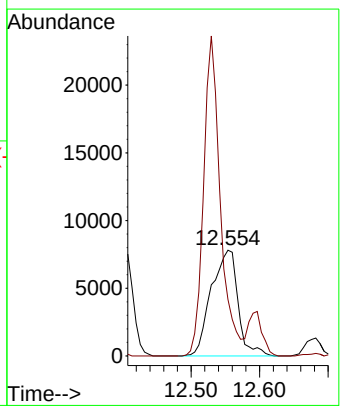


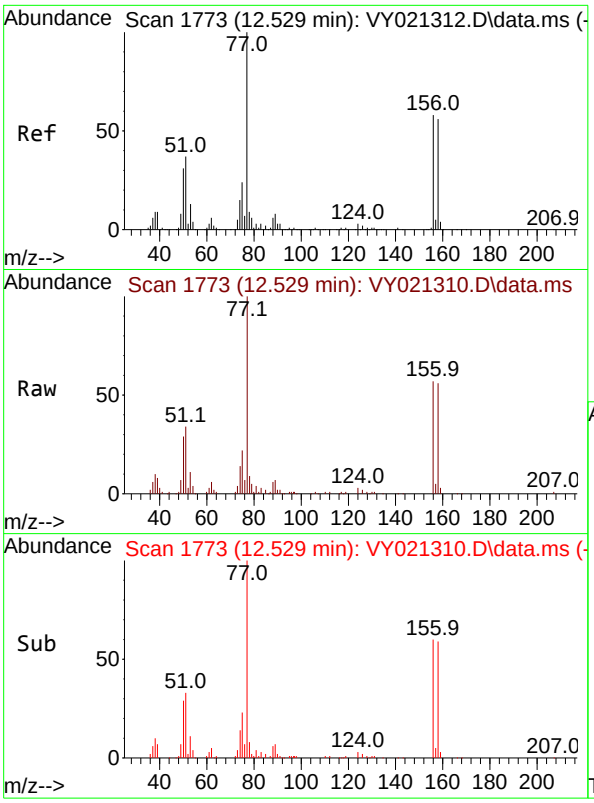




#76
1,2,3-Trichloropropane
Concen: 16.789 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 21157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



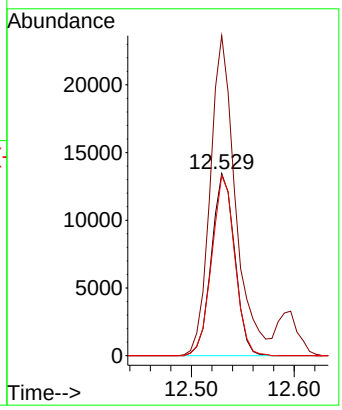


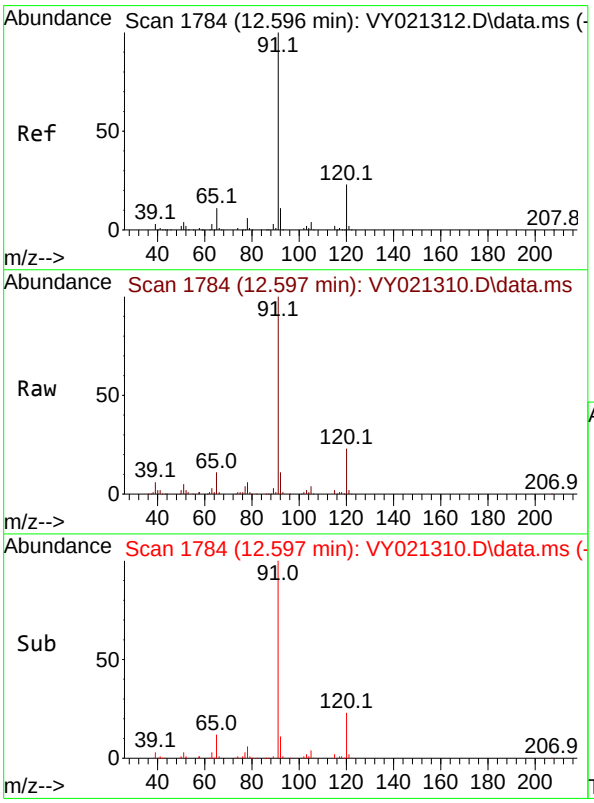

#77
Bromobenzene
Concen: 9.641 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:156 Resp: 21097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 190.2 | 94.0 | 282.1 |
| 158 | 98.2 | 48.7 | 146.1 |

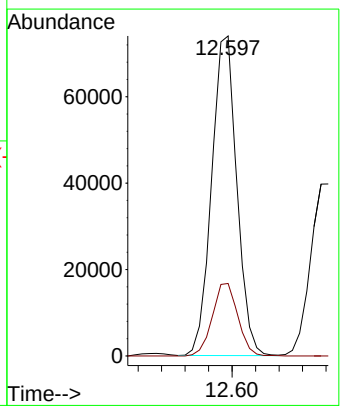


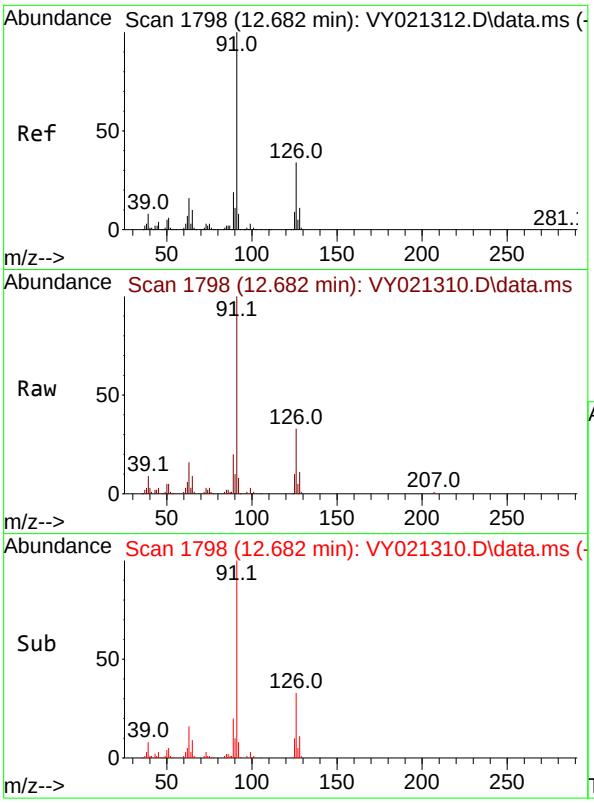




#78
n-propylbenzene
Concen: 9.652 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 110190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.2 | 33.5 |



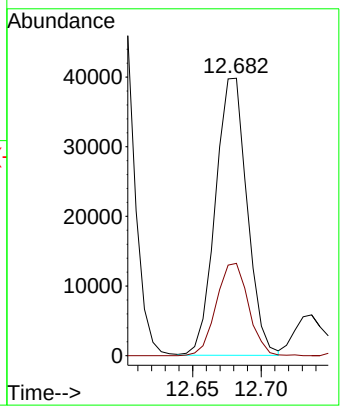


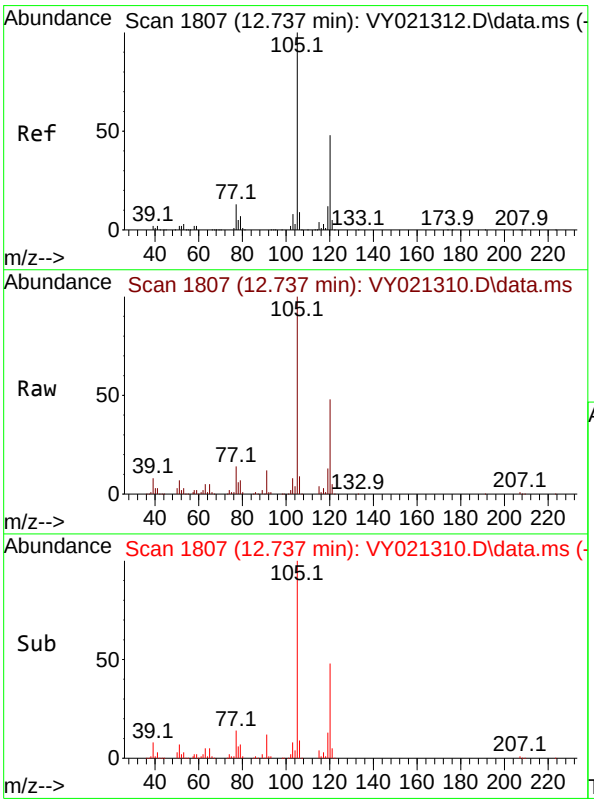

#79
2-Chlorotoluene
Concen: 9.771 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 91 Resp: 64018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.9 | 50.6 |

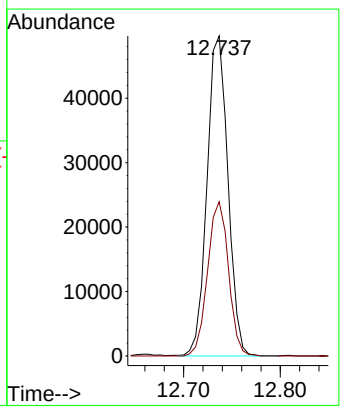


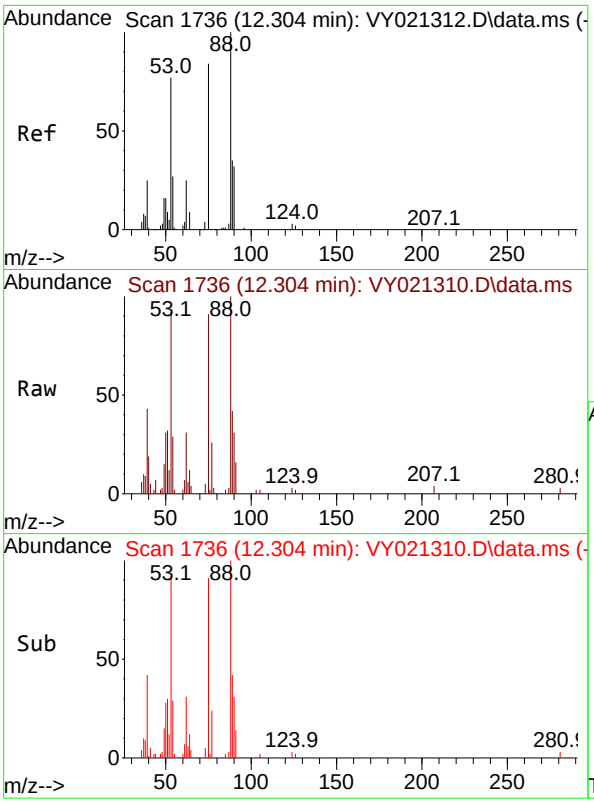




#80
1,3,5-Trimethylbenzene
Concen: 9.655 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.3 | 73.0 |



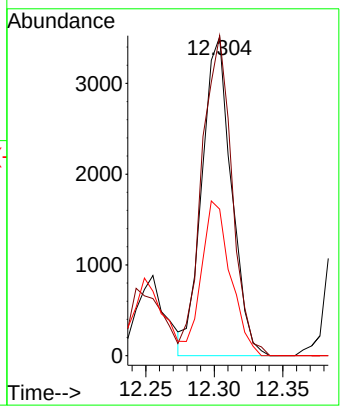


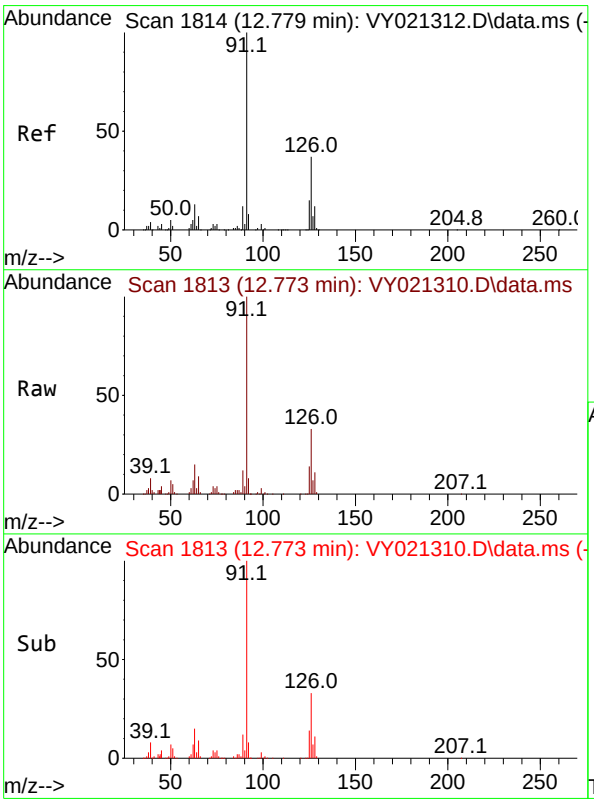

#81
trans-1,4-Dichloro-2-butene
Concen: 9.295 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 75 Resp: 5238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 102.5 | 79.1 | 118.7 |
| 89 | 47.3 | 35.6 | 53.4 |

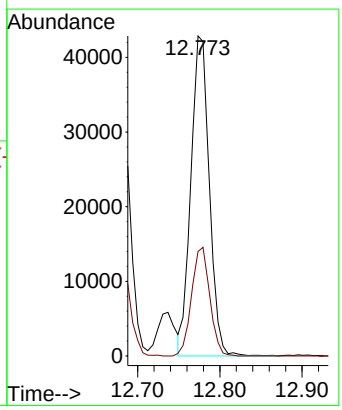


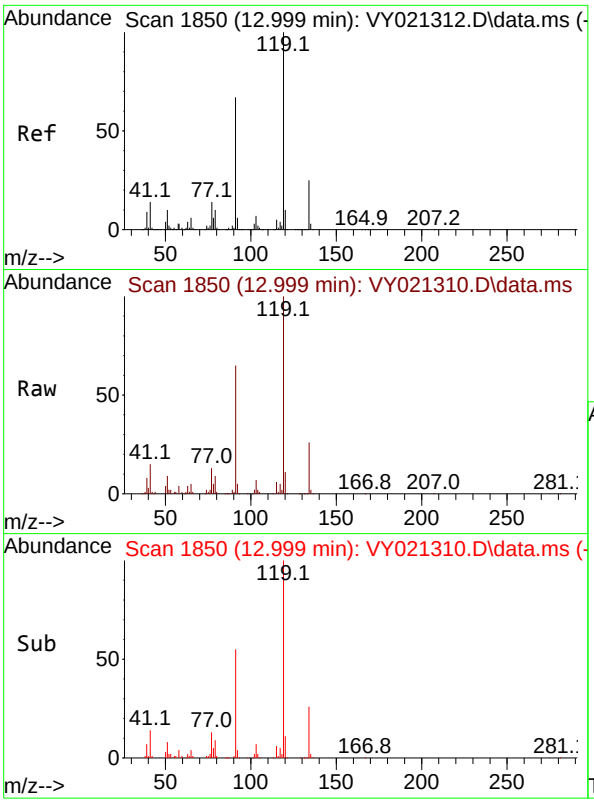




#82
4-Chlorotoluene
Concen: 9.821 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 66701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.8 | 50.4 |



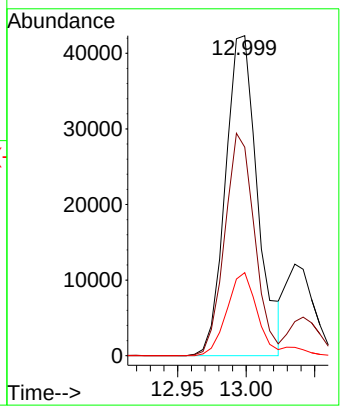


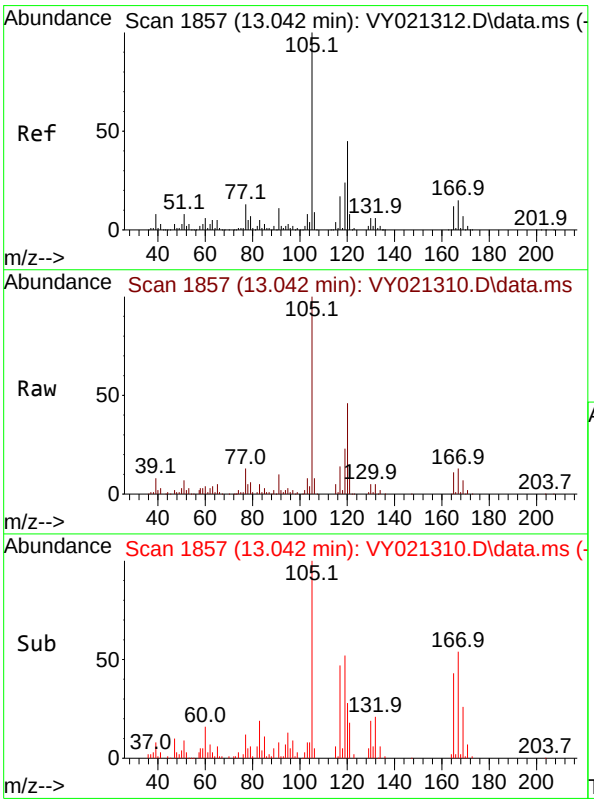

#83
tert-Butylbenzene
Concen: 9.886 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:119 Resp: 68905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.8 | 32.7 | 98.1 |
| 134 | 26.3 | 13.3 | 39.9 |

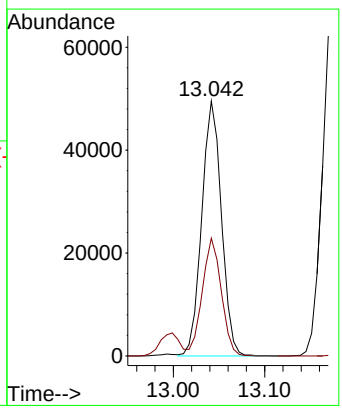


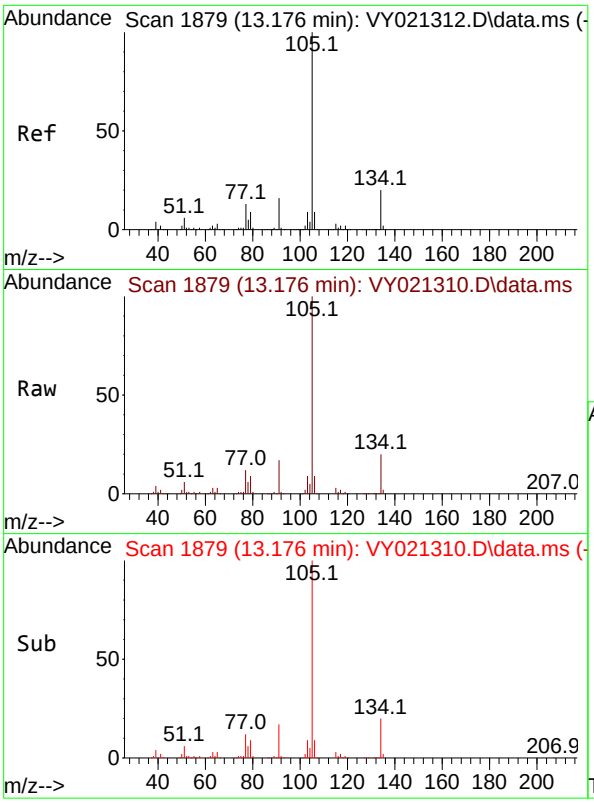




#84
1,2,4-Trimethylbenzene
Concen: 9.647 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 22.4 | 67.3 |



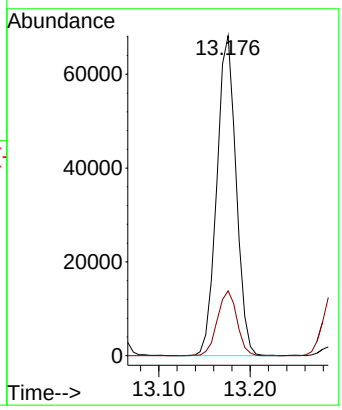


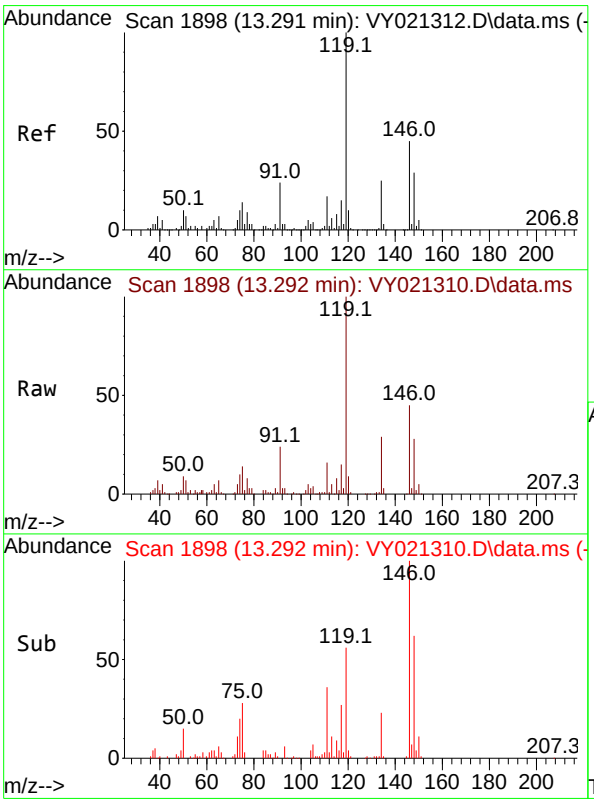

#85
sec-Butylbenzene
Concen: 9.841 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:105 Resp: 100189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.5 | 10.0 | 30.0 |

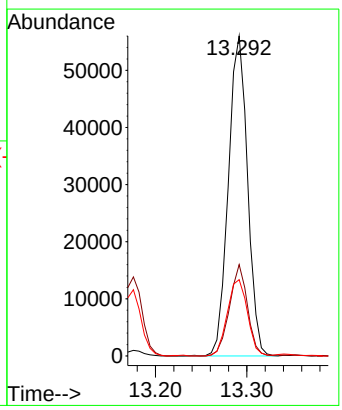


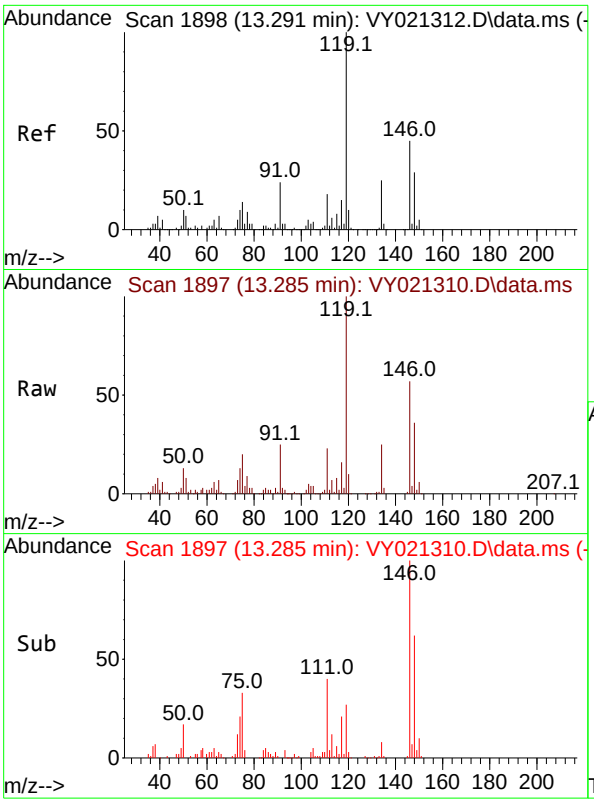




#86
p-Isopropyltoluene
Concen: 9.619 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 81769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.7 | 13.0 | 38.9 |
| 91 | 25.1 | 12.0 | 36.1 |



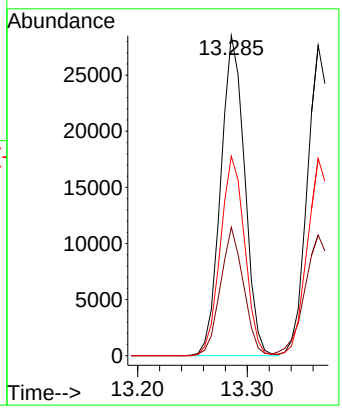


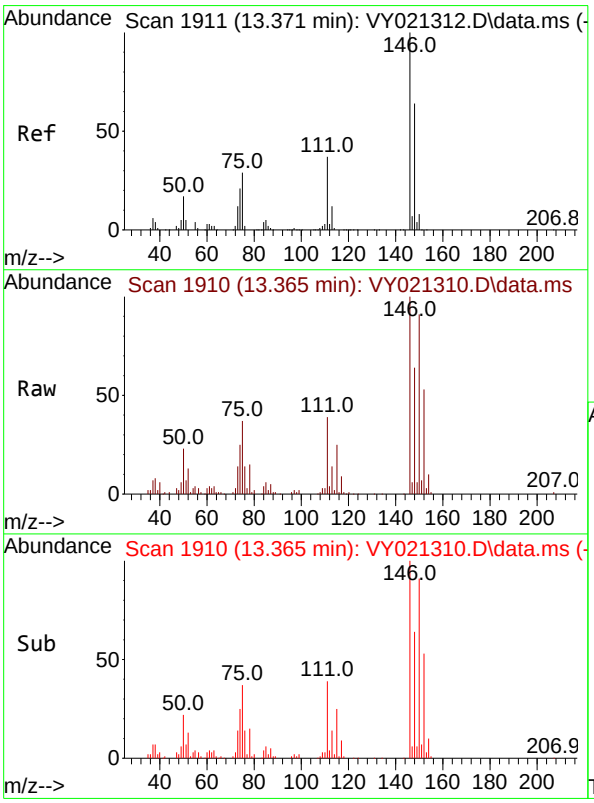

#87
1,3-Dichlorobenzene
Concen: 9.996 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:146 Resp: 43267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 20.0 | 59.9 |
| 148 | 63.2 | 31.9 | 95.9 |

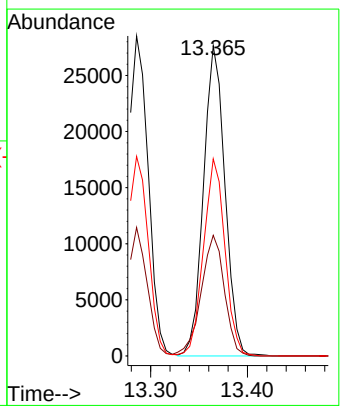


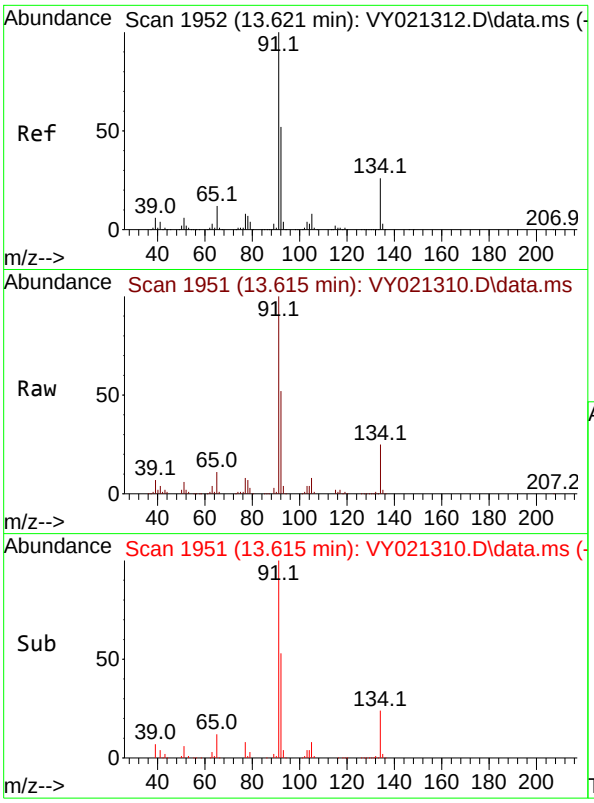




#88
1,4-Dichlorobenzene
Concen: 10.006 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 42788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 19.5 | 58.5 |
| 148 | 63.5 | 32.0 | 96.2 |



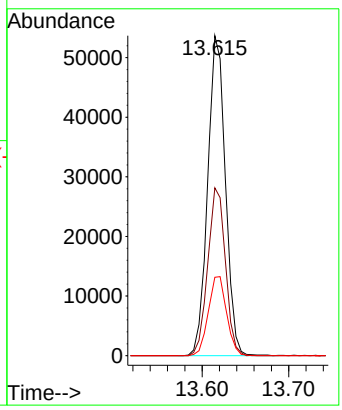


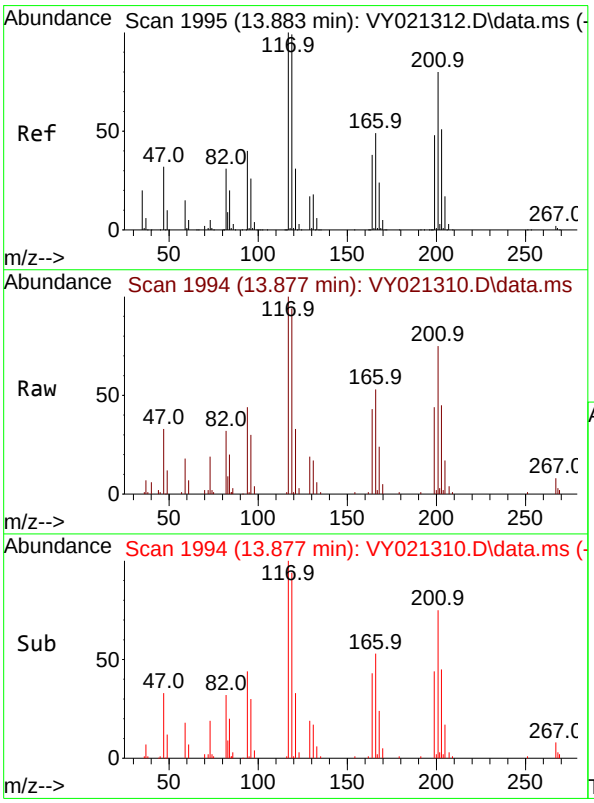

#89
n-Butylbenzene
Concen: 9.541 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion: 91 Resp: 76325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.3 | 26.4 | 79.2 |
| 134 | 25.5 | 12.7 | 38.0 |

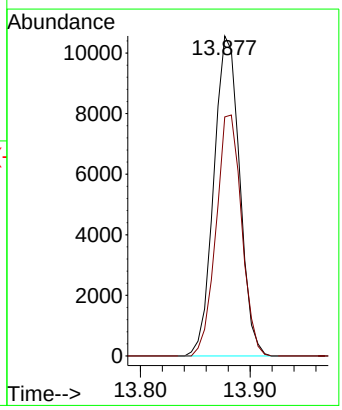


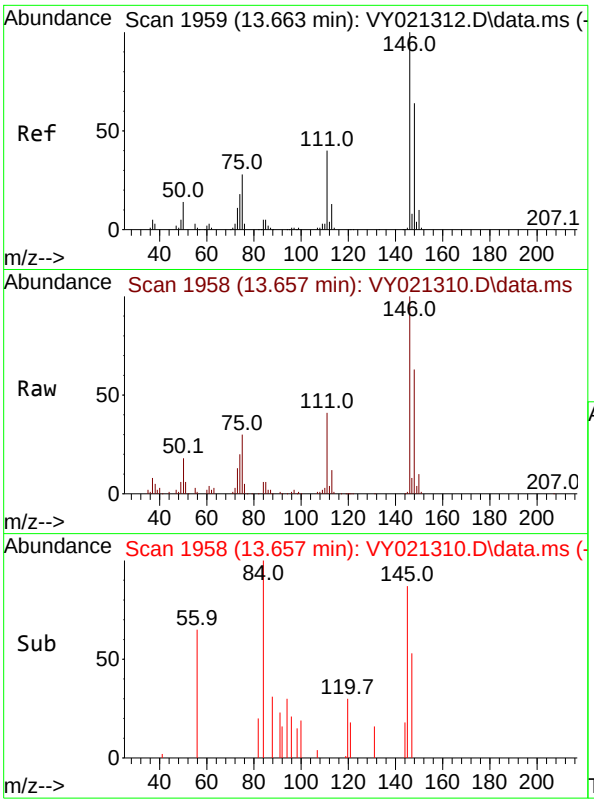




#90
Hexachloroethane
Concen: 9.721 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 17261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 74.6 | 38.4 | 115.2 |



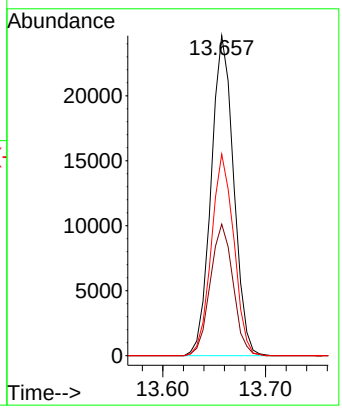


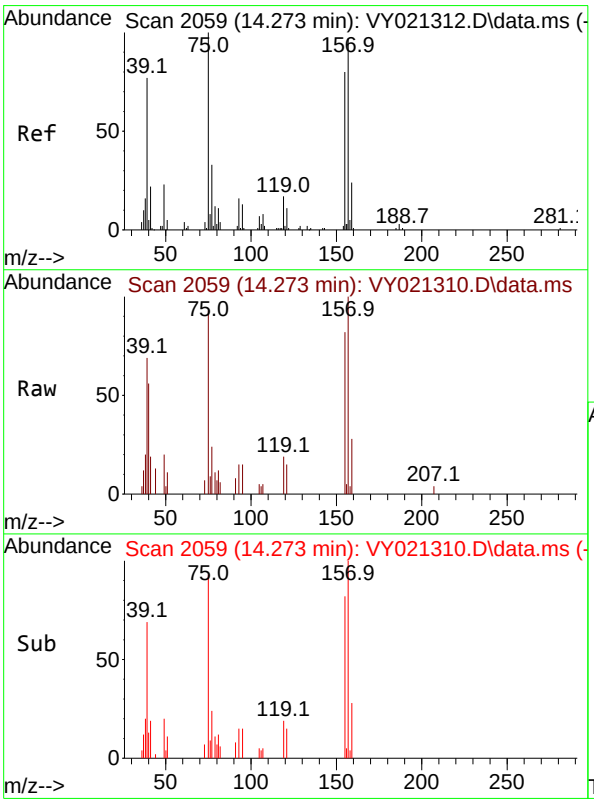

#91
1,2-Dichlorobenzene
Concen: 9.894 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:146 Resp: 37522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 20.7 | 62.1 |
| 148 | 62.8 | 31.7 | 95.1 |

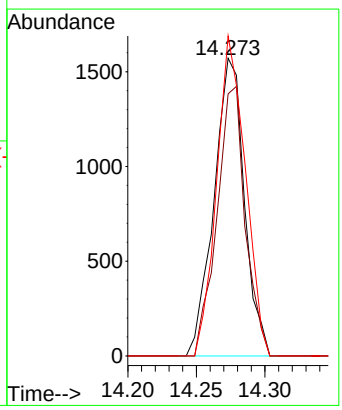


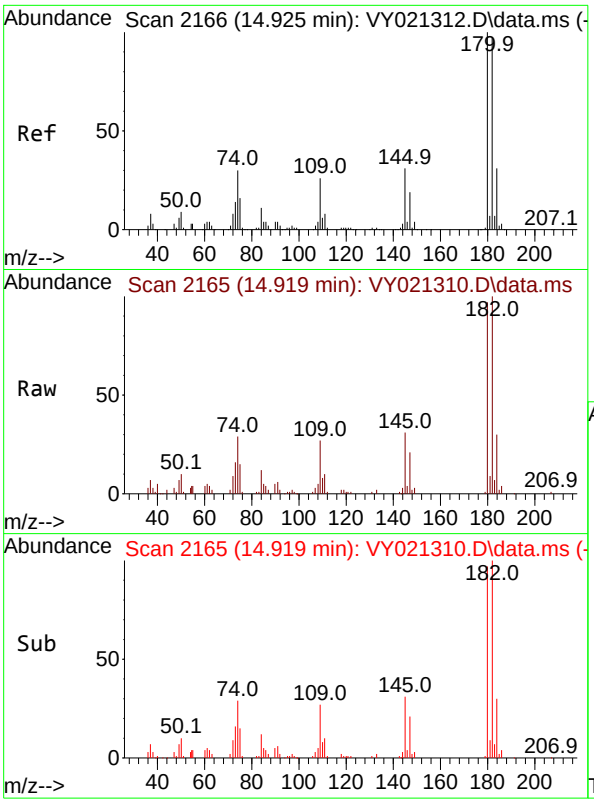




#92
1,2-Dibromo-3-Chloropropane
Concen: 9.229 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 2424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.3 | 41.9 | 125.6 |
| 157 | 101.6 | 52.5 | 157.6 |



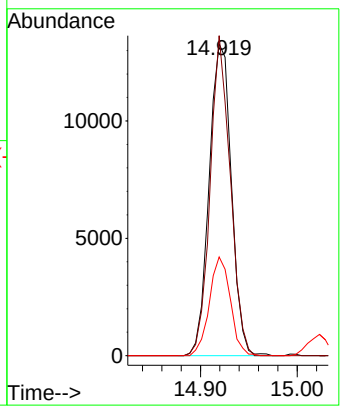


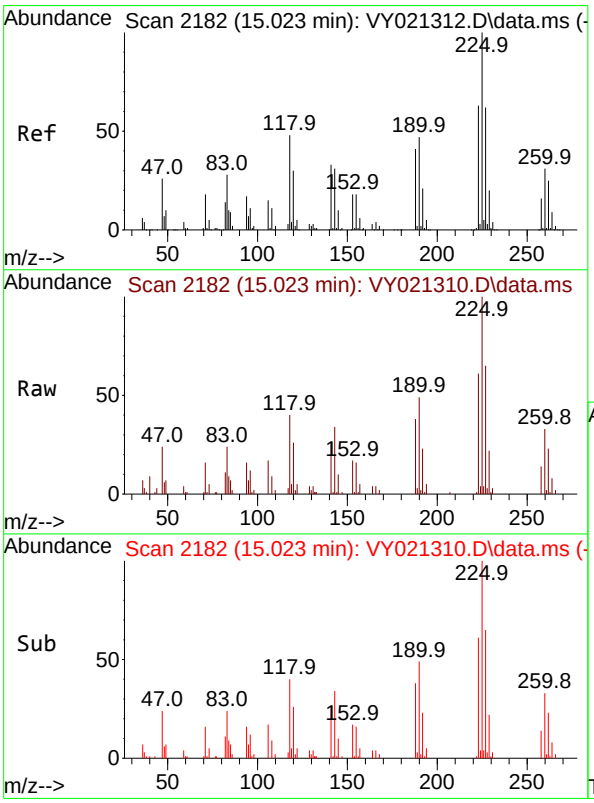

#93
1,2,4-Trichlorobenzene
Concen: 9.174 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:180 Resp: 21234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.7 | 47.9 | 143.7 |
| 145 | 29.9 | 15.6 | 46.8 |

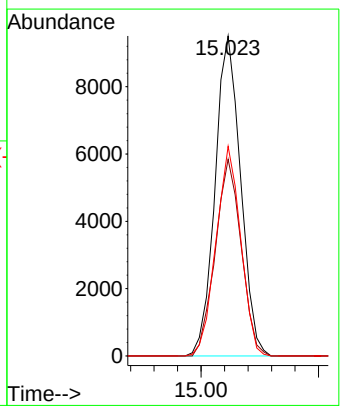


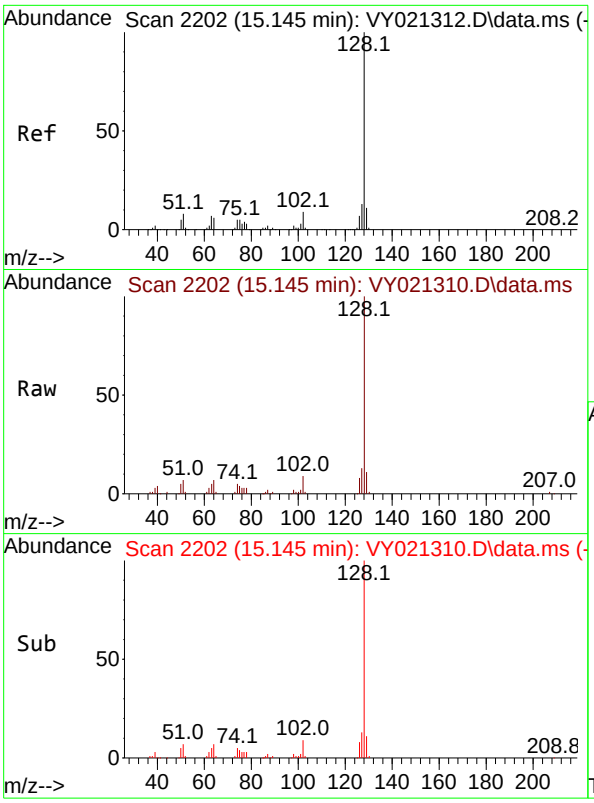




#94
Hexachlorobutadiene
Concen: 9.845 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:225 Resp: 14346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.2 | 31.8 | 95.4 |
| 227 | 63.4 | 31.9 | 95.7 |



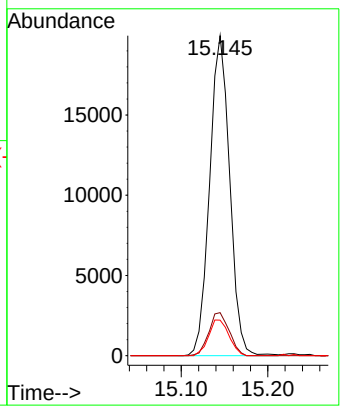


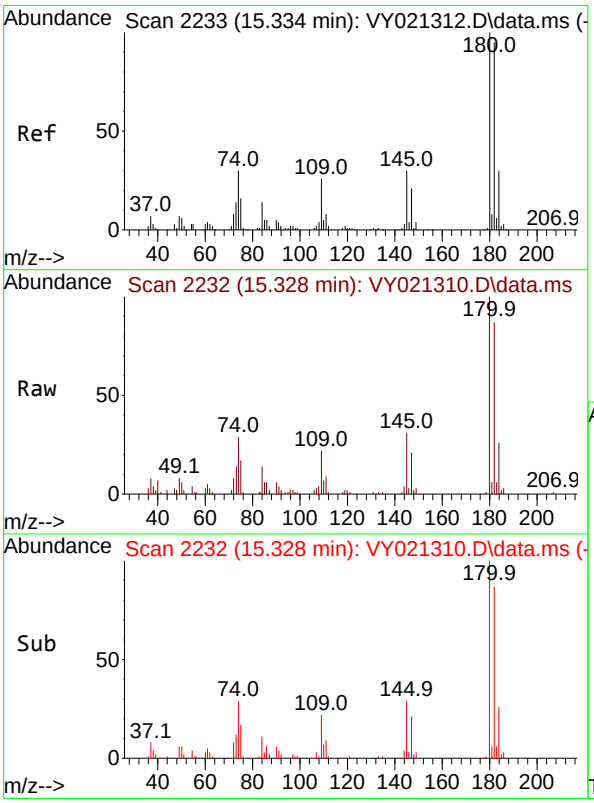

#95
Naphthalene
Concen: 8.371 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC010

Tgt Ion:128 Resp: 32094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.7 | 10.5 | 15.7 |
| 129 | 11.4 | 8.5 | 12.7 |

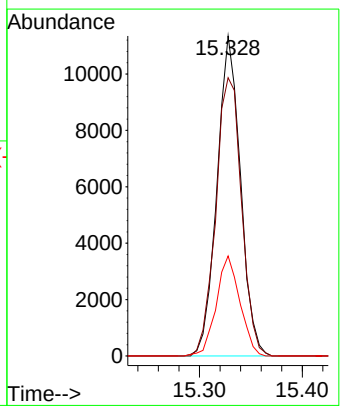



#96
1,2,3-Trichlorobenzene
Concen: 9.195 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 17983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 48.3 | 144.9 |
| 145 | 31.4 | 16.1 | 48.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 188363 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.610 | 114 | 293434 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 258896 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152 | 130546 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 41320 | 19.337 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 38.680%# | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 37265 | 19.371 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 38.740%# | | |
| 50) Toluene-d8 | 10.103 | 98 | 144409 | 19.423 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 38.840%# | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 47417 | 18.950 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = | 37.900% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 32511 | 18.204 | ug/l | 96 |
| 3) Chloromethane | 2.068 | 50 | 42633 | 18.484 | ug/l | 97 |
| 4) Vinyl Chloride | 2.202 | 62 | 41719 | 18.429 | ug/l | 100 |
| 5) Bromomethane | 2.586 | 94 | 27198 | 18.079 | ug/l | 98 |
| 6) Chloroethane | 2.726 | 64 | 26161 | 18.635 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 63170 | 18.477 | ug/l | 95 |
| 8) Diethyl Ether | 3.452 | 74 | 19564 | 19.066 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 37017 | 18.701 | ug/l | 99 |
| 10) Methyl Iodide | 4.001 | 142 | 36945 | 17.741 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.860 | 59 | 15935 | 96.952 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 34827 | 18.376 | ug/l | 98 |
| 13) Acrolein | 3.647 | 56 | 22079 | 175.300 | ug/l | 100 |
| 14) Allyl chloride | 4.379 | 41 | 61887 | 18.417 | ug/l | 98 |
| 15) Acrylonitrile | 5.061 | 53 | 43763 | 96.460 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 35506 | 86.623 | ug/l | 96 |
| 17) Carbon Disulfide | 4.104 | 76 | 116030 | 18.437 | ug/l | 99 |
| 18) Methyl Acetate | 4.379 | 43 | 19534 | 19.500 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 95488 | 19.069 | ug/l | 97 |
| 20) Methylene Chloride | 4.616 | 84 | 40630 | 18.331 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 38218 | 18.317 | ug/l | 98 |
| 22) Diisopropyl ether | 6.019 | 45 | 132039 | 18.989 | ug/l | 97 |
| 23) Vinyl Acetate | 5.958 | 43 | 393629 | 94.730 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.909 | 63 | 72428 | 18.480 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 58941 | 95.278 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 63686 | 17.908 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.884 | 96 | 44297 | 18.592 | ug/l | 98 |
| 28) Bromochloromethane | 7.244 | 49 | 32987 | 19.022 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.256 | 42 | 39775 | 98.365 | ug/l | 98 |
| 30) Chloroform | 7.421 | 83 | 73639 | 18.543 | ug/l | 96 |
| 31) Cyclohexane | 7.701 | 56 | 68531 | 18.191 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 67011 | 18.538 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 53995 | 18.685 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 27188 | 18.914 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 59733 | 18.387 | ug/l | 98 |
| 39) Methylcyclohexane | 9.103 | 83 | 68516 | 18.746 | ug/l | 98 |
| 40) Benzene | 8.079 | 78 | 159536 | 18.676 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.220 | 41 | 14108 | 17.554 | ug/l | | 92 |
| 42) 1,2-Dichloroethane | 8.152 | 62 | 46152 | 19.043 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 54484 | 19.583 | ug/l | | 98 |
| 44) Trichloroethene | 8.866 | 130 | 40005 | 18.706 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 38611 | 18.782 | ug/l | | 100 |
| 46) Dibromomethane | 9.231 | 93 | 21421 | 19.063 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 56033 | 18.701 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.219 | 41 | 24461 | 18.801 | ug/l | | 97 |
| 49) 1,4-Dioxane | 9.225 | 88 | 5308 | 424.825 | ug/l | | 90 |
| 51) 4-Methyl-2-Pentanone | 10.000 | 43 | 140187 | 98.430 | ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 100050 | 18.854 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 50957 | 18.563 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 61967 | 19.122 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.567 | 97 | 27942 | 19.088 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.438 | 69 | 36997 | 18.291 | ug/l | | 95 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 49499 | 19.270 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 93377 | 96.179 | ug/l | | 100 |
| 59) 2-Hexanone | 10.762 | 43 | 90882 | 97.163 | ug/l | | 100 |
| 60) Dibromochloromethane | 10.908 | 129 | 37808 | 18.964 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.012 | 107 | 26519 | 19.135 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.646 | 164 | 36387 | 18.595 | ug/l | | 97 |
| 65) Chlorobenzene | 11.438 | 112 | 107621 | 18.519 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131 | 37487 | 18.422 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.518 | 91 | 189052 | 18.366 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.627 | 106 | 144073 | 37.210 | ug/l | | 99 |
| 69) o-Xylene | 11.950 | 106 | 67060 | 18.488 | ug/l | | 100 |
| 70) Styrene | 11.969 | 104 | 113033 | 18.729 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 21886 | 18.800 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 179489 | 18.288 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 47224 | 18.930 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 32419 | 18.717 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 43143 | 32.817 | ug/l | # | 100 |
| 77) Bromobenzene | 12.530 | 156 | 42078 | 18.433 | ug/l | | 99 |
| 78) n-propylbenzene | 12.597 | 91 | 220158 | 18.486 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.676 | 91 | 125969 | 18.430 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 150004 | 18.635 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 10866 | 18.483 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 12.780 | 91 | 130335 | 18.396 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 135829 | 18.681 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 149358 | 18.657 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 196335 | 18.486 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 165127 | 18.620 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.286 | 146 | 83463 | 18.483 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 83179 | 18.646 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.615 | 91 | 153032 | 18.337 | ug/l | | 100 |
| 90) Hexachloroethane | 13.877 | 117 | 33341 | 17.998 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 73513 | 18.581 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 5181 | 18.908 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 42908 | 17.770 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 27015 | 17.771 | ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 71044 | 17.763 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 36460 | 17.871 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

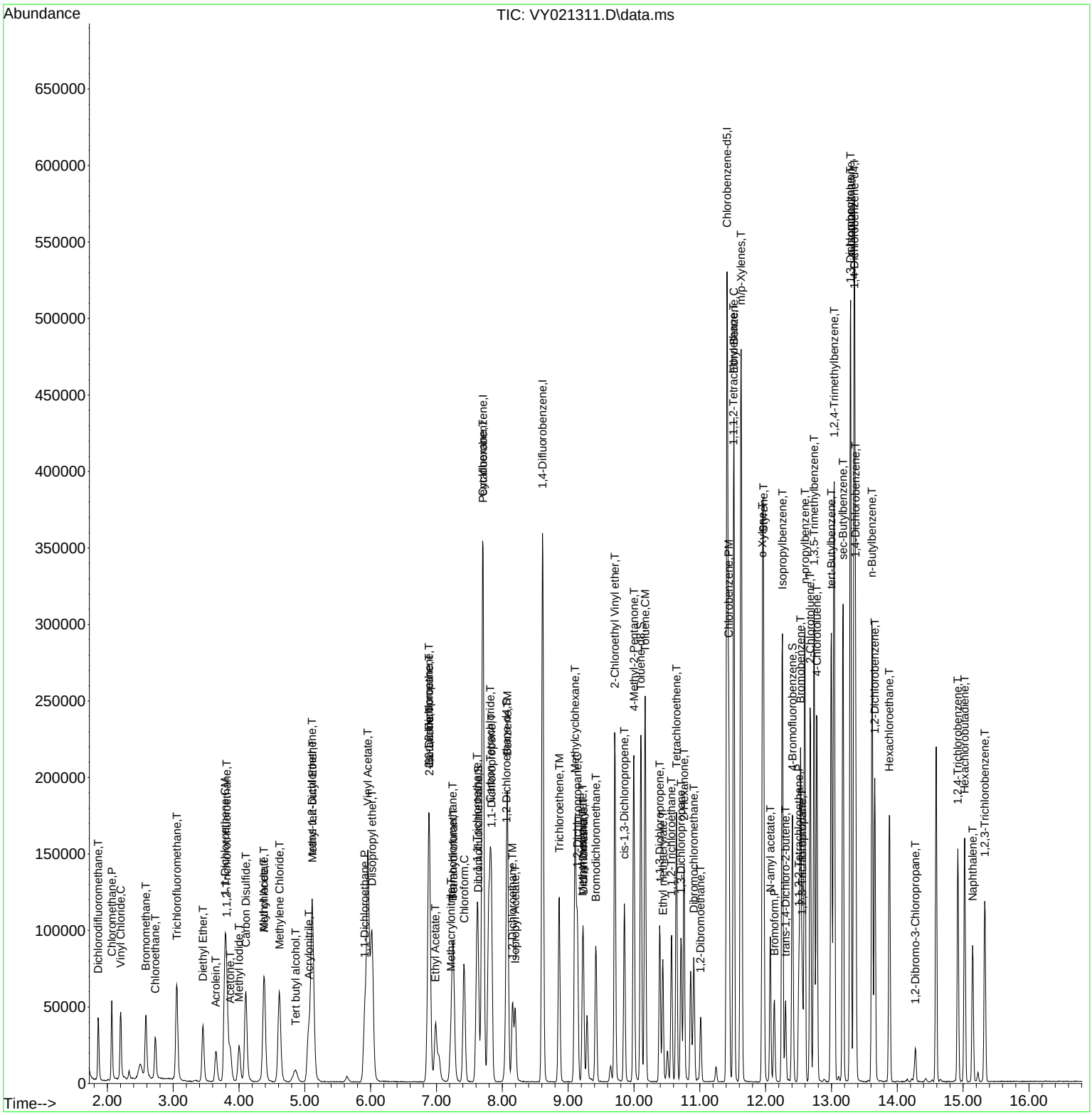
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

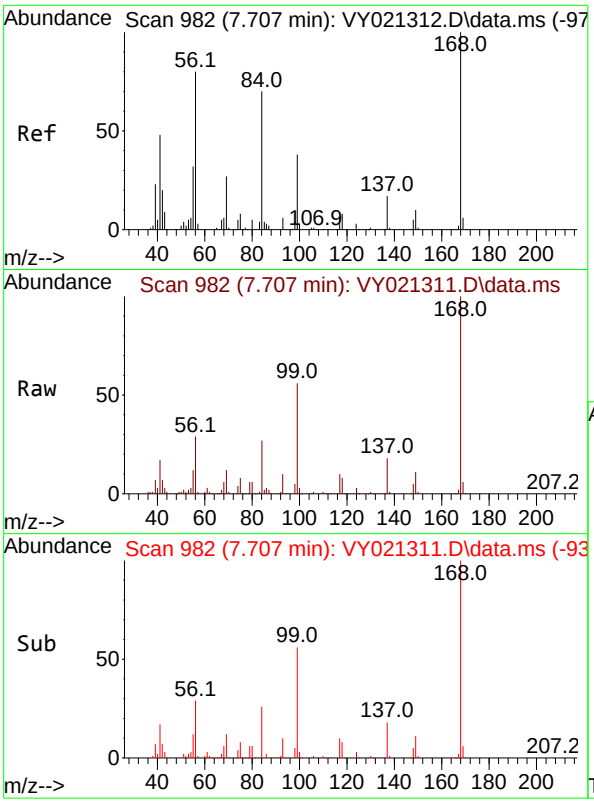
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



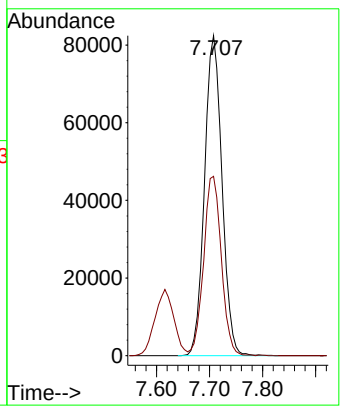


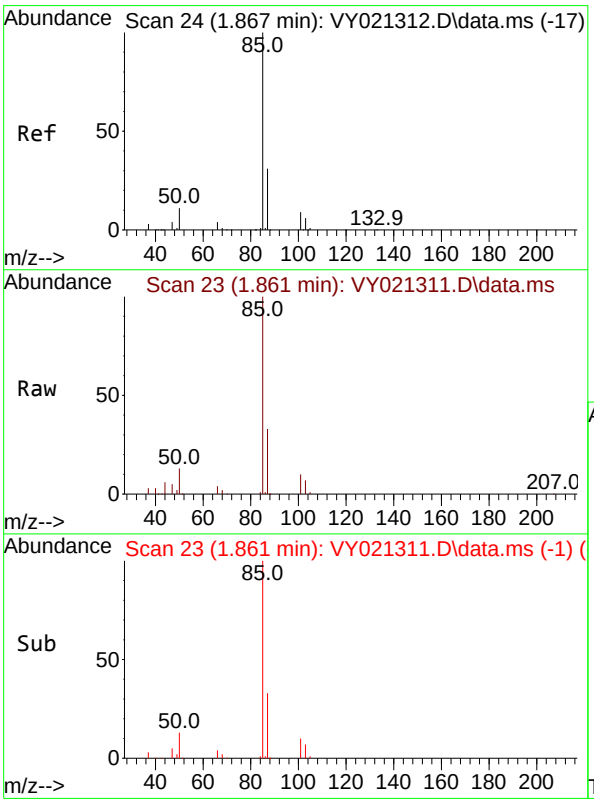

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:168 Resp: 188363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.0 | 47.1 | 70.7 |

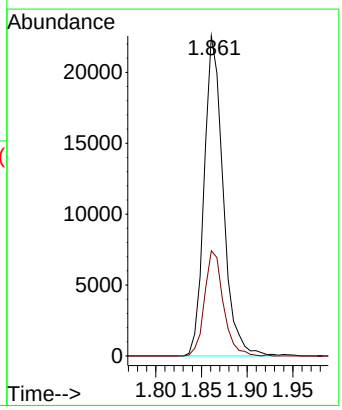


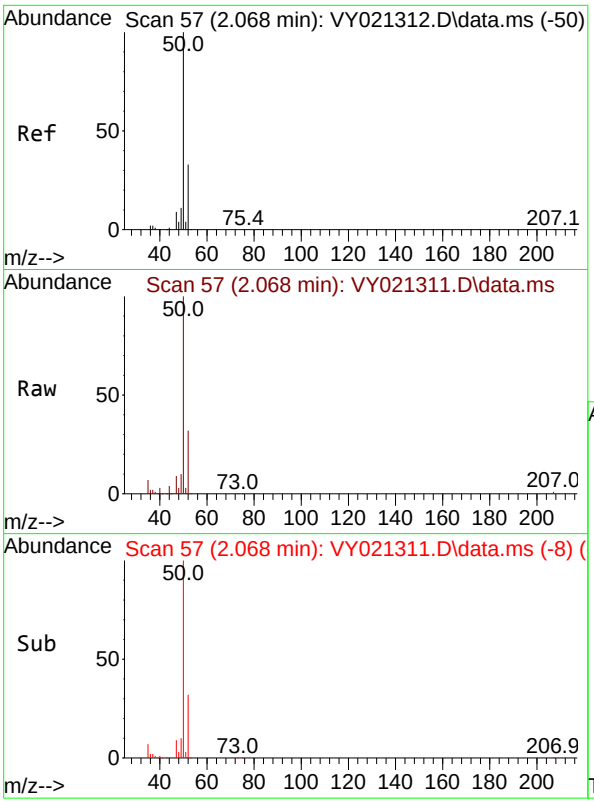




#2
Dichlorodifluoromethane
Concen: 18.204 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 85 Resp: 32511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 15.4 | 46.4 |



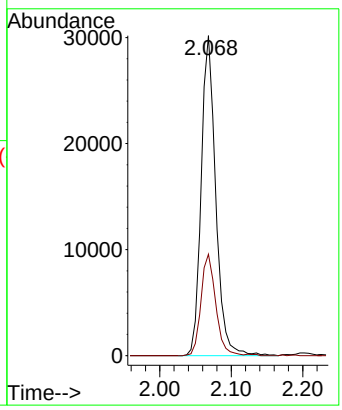


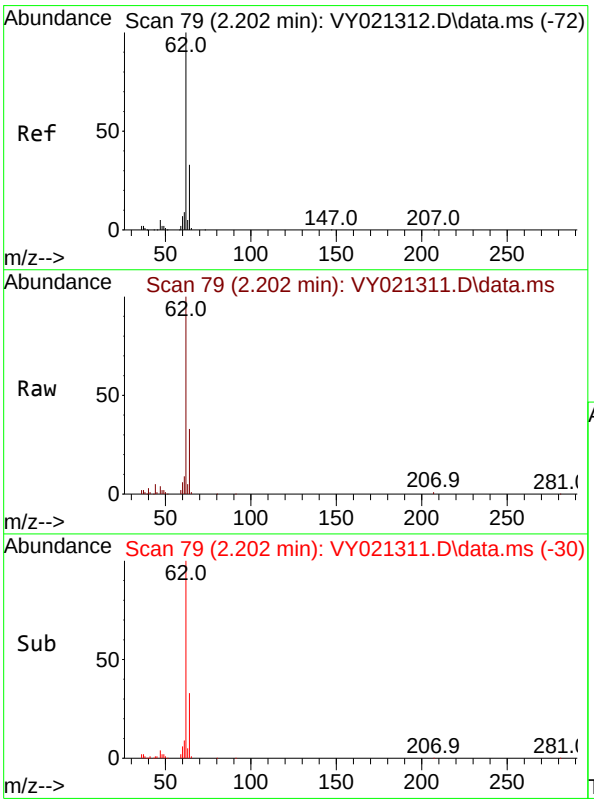

#3
Chloromethane
Concen: 18.484 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 50 Resp: 42633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.7 | 26.6 | 40.0 |

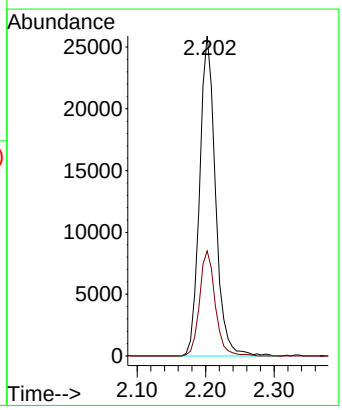


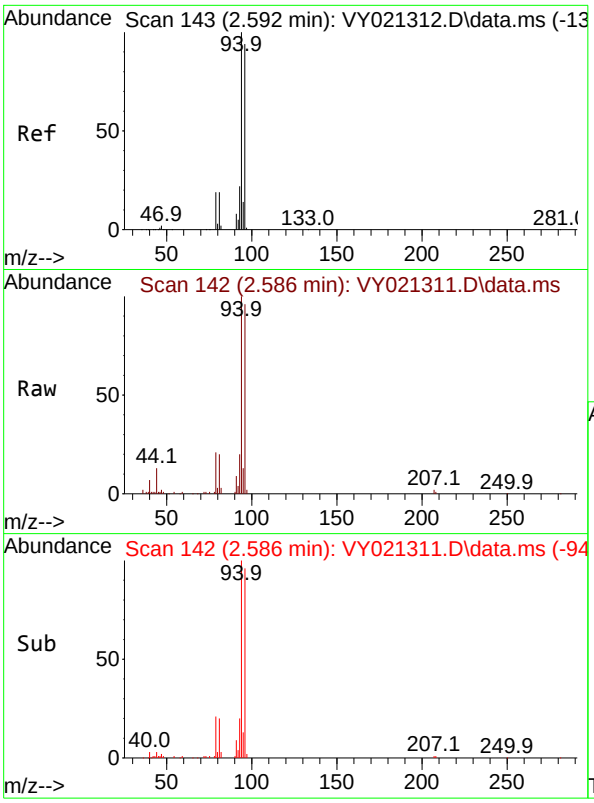




#4
Vinyl Chloride
Concen: 18.429 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 41719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.8 | 26.3 | 39.5 |



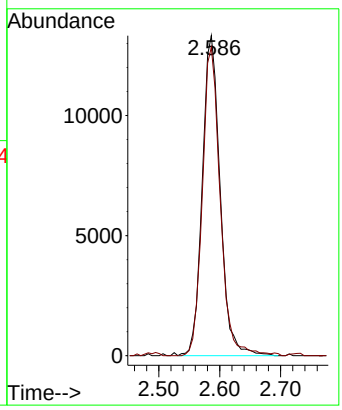


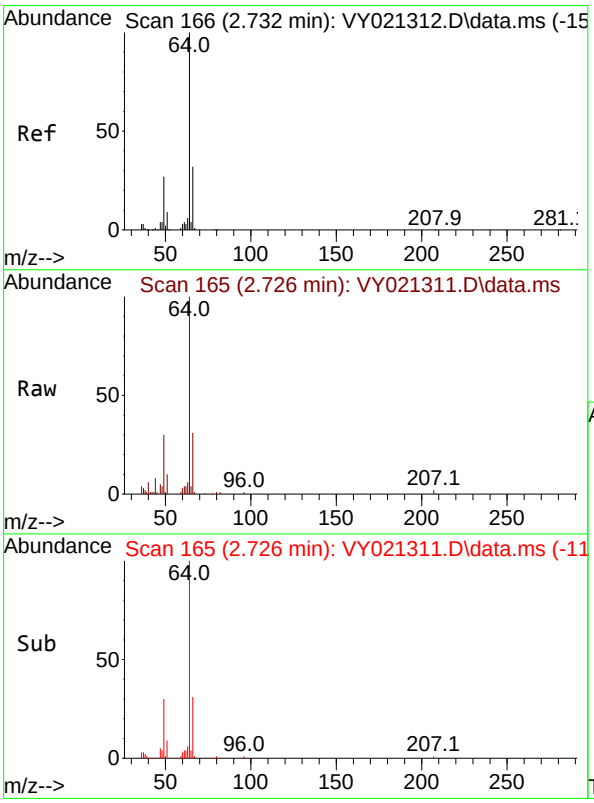

#5
Bromomethane
Concen: 18.079 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 94 Resp: 27198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.3 | 75.2 | 112.8 |

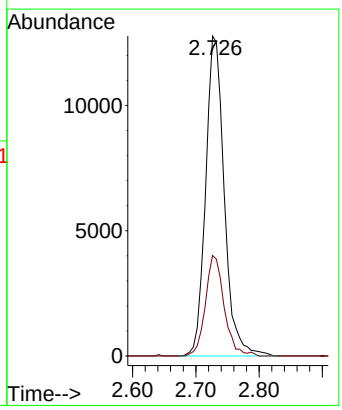


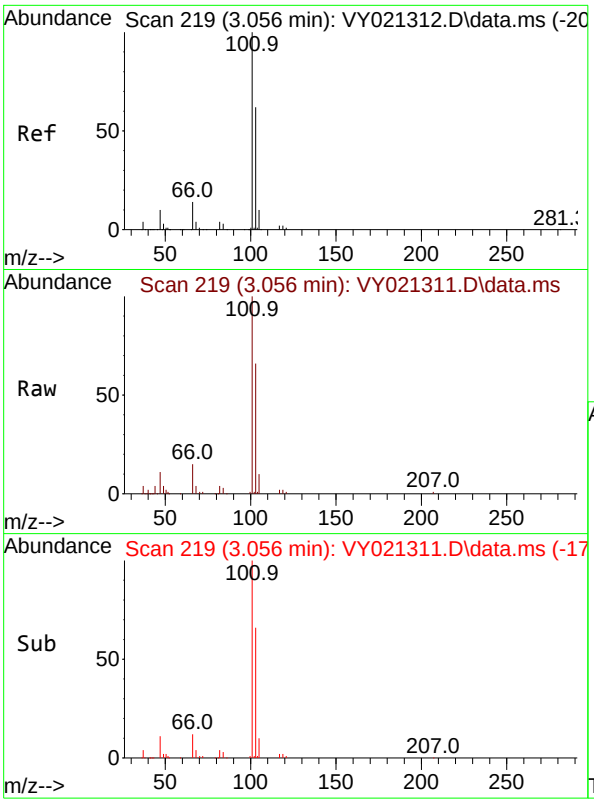




#6
Chloroethane
Concen: 18.635 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 64 Resp: 26161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.4 | 25.4 | 38.0 |



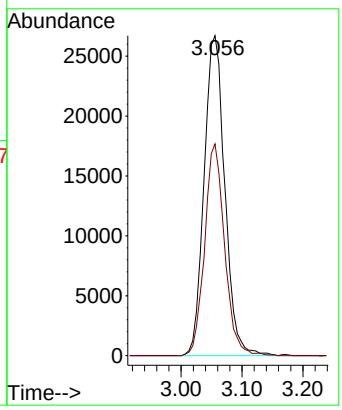


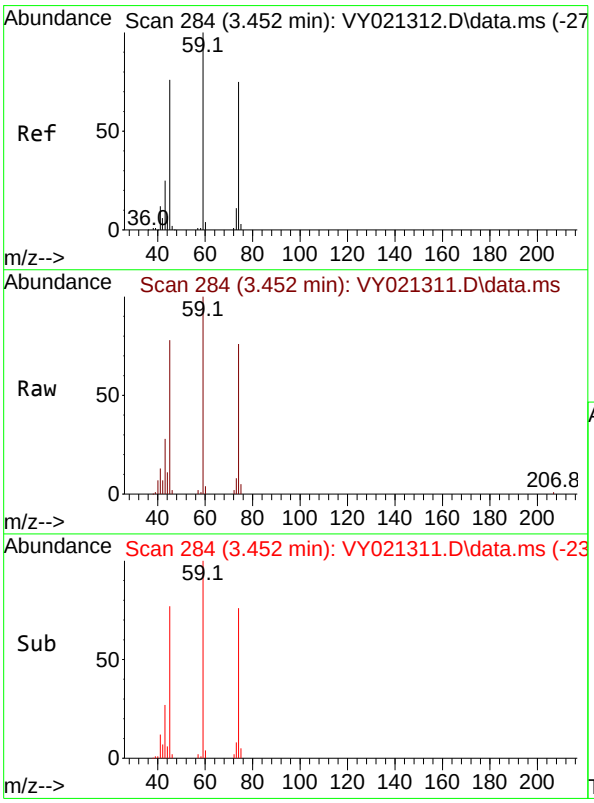

#7
Trichlorofluoromethane
Concen: 18.477 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 63170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.2 | 49.7 | 74.5 |

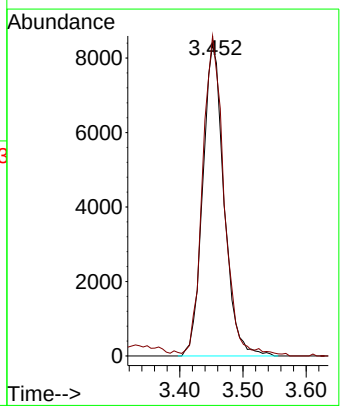


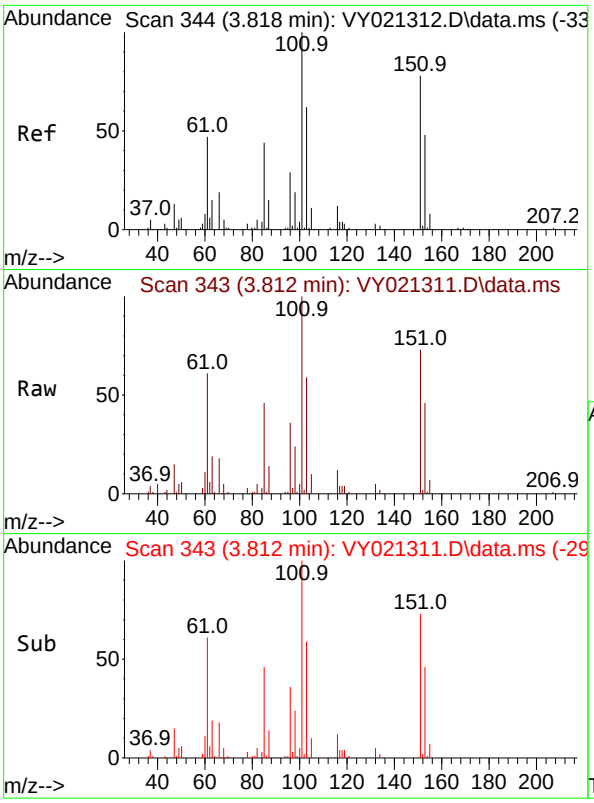




#8
Diethyl Ether
Concen: 19.066 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 74 Resp: 19564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.3 | 50.3 | 150.9 |



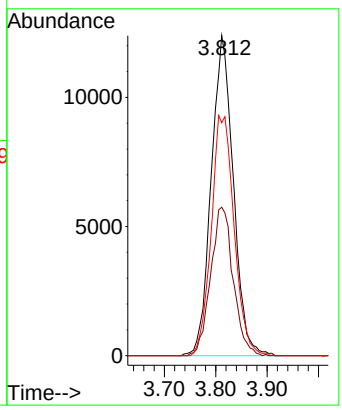


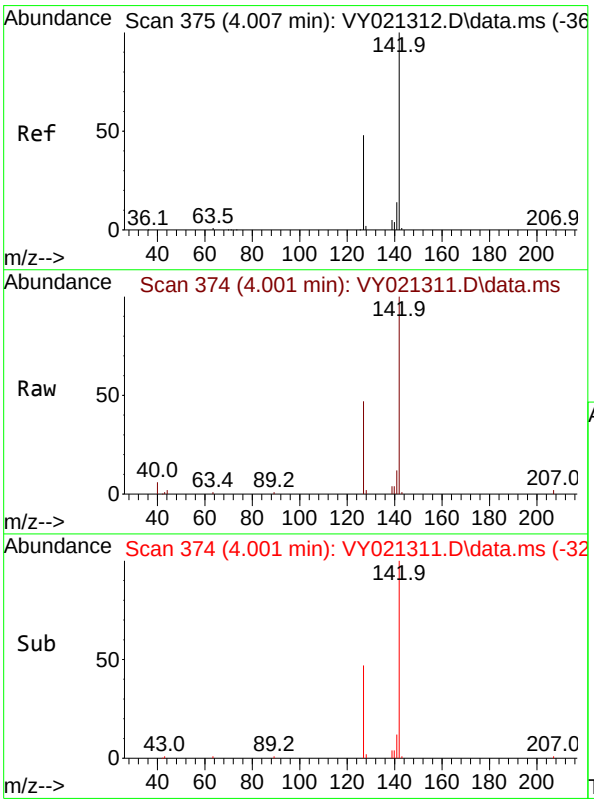

#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.701 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 37017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.3 | 36.7 | 55.1 |
| 151 | 77.8 | 62.6 | 94.0 |

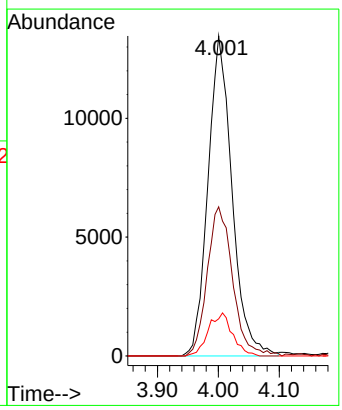


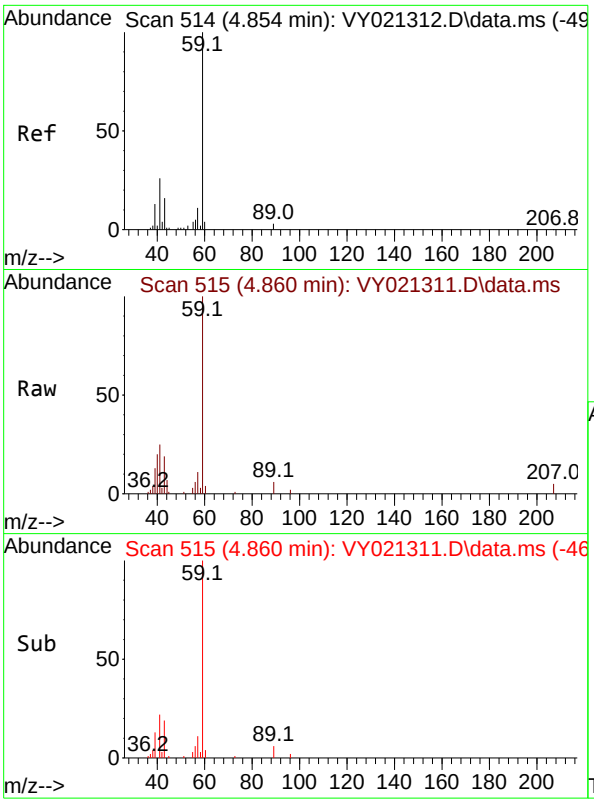




#10
Methyl Iodide
Concen: 17.741 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:142 Resp: 36945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.1 | 39.2 | 58.8 |
| 141 | 13.5 | 11.4 | 17.2 |



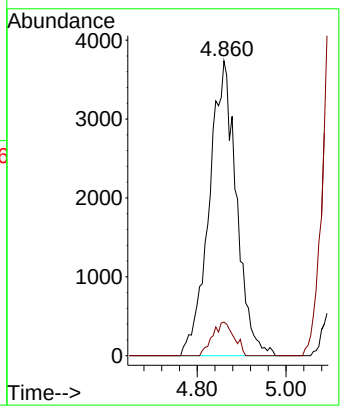


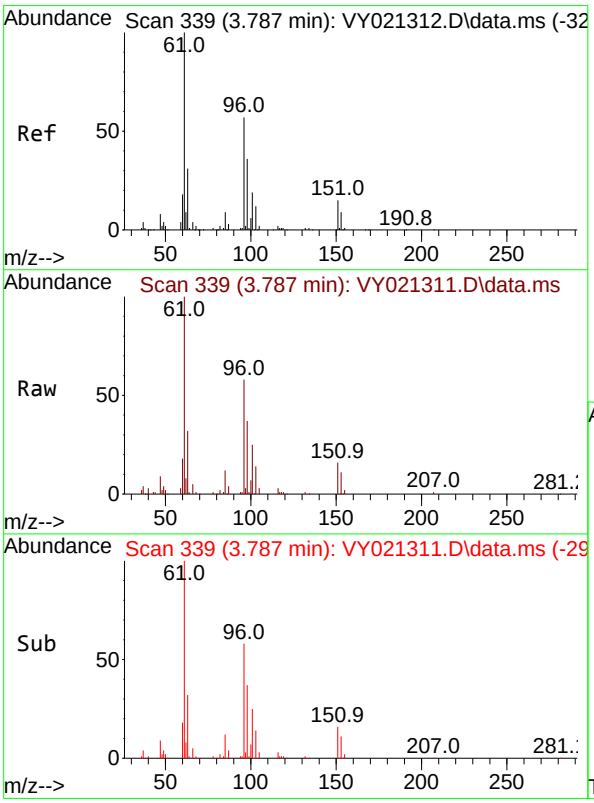

#11
Tert butyl alcohol
Concen: 96.952 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 59 Resp: 15935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 8.9 | 8.3 | 12.5 |

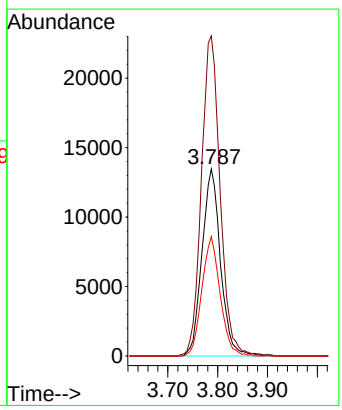


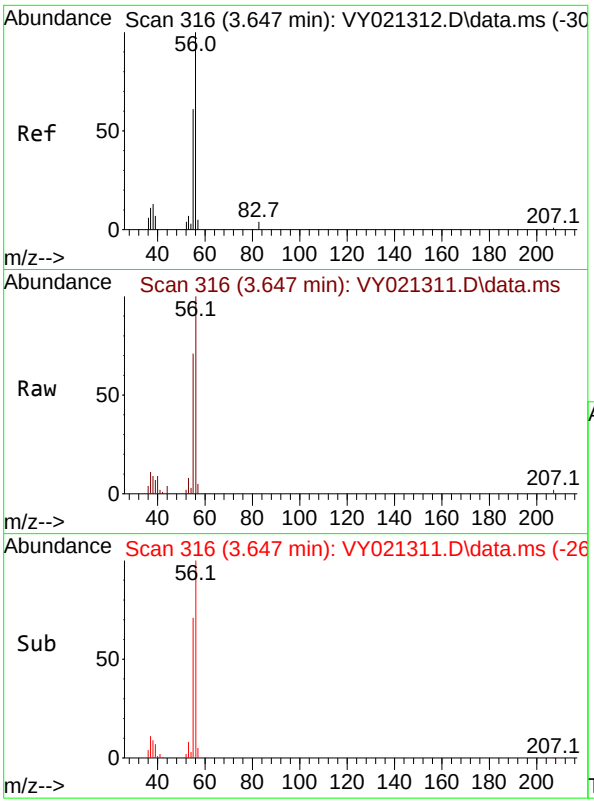




#12
1,1-Dichloroethene
Concen: 18.376 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 34827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.1 | 139.7 | 209.5 |
| 98 | 63.8 | 49.7 | 74.5 |



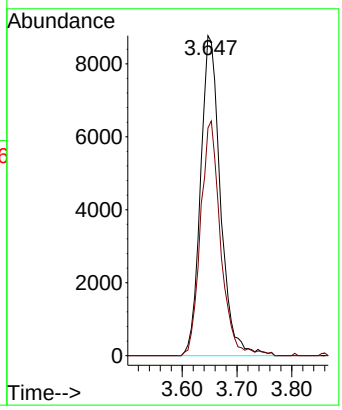


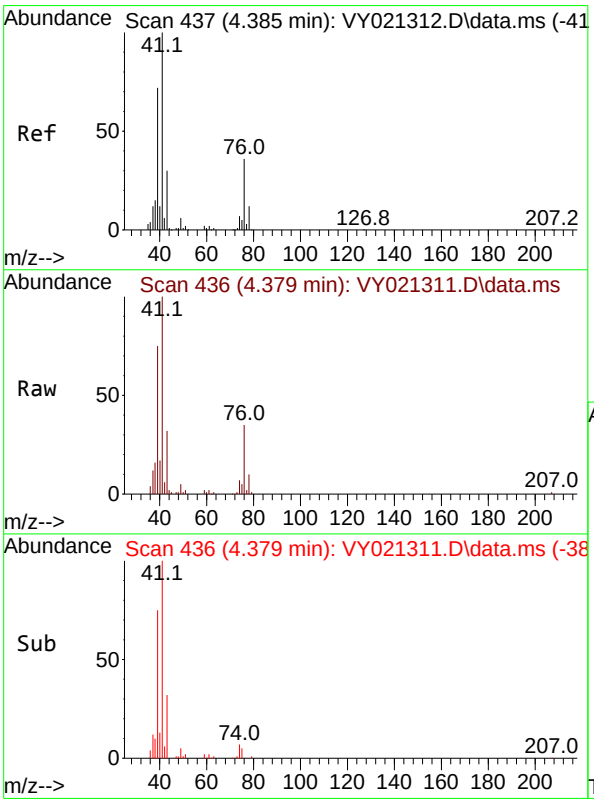

#13
Acrolein
Concen: 175.300 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 22079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.0 | 59.0 | 88.6 |

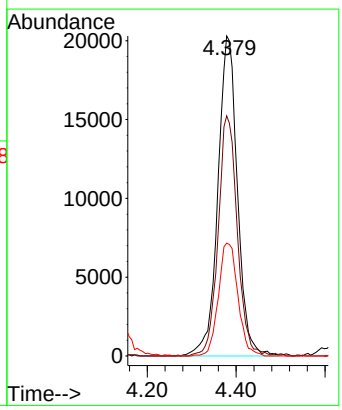


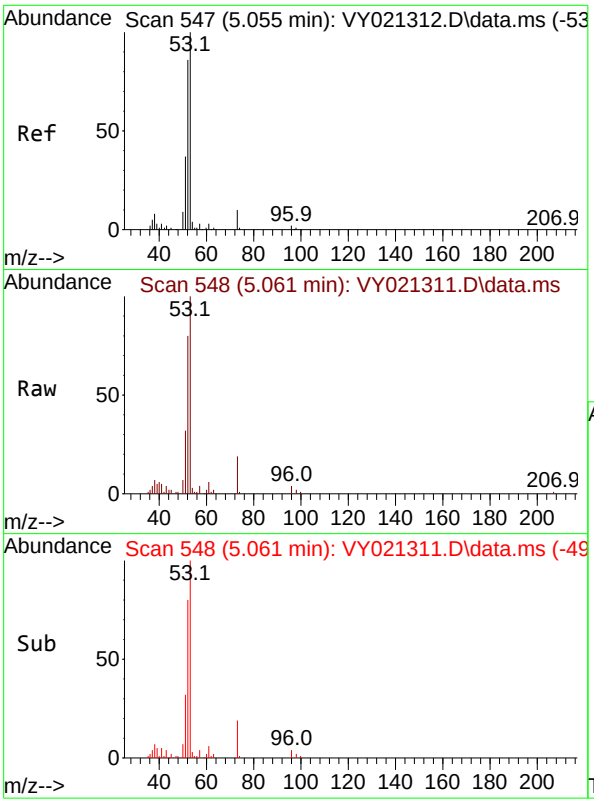




#14
Allyl chloride
Concen: 18.417 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 61887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.3 | 60.0 | 90.0 |
| 76 | 35.2 | 29.0 | 43.6 |



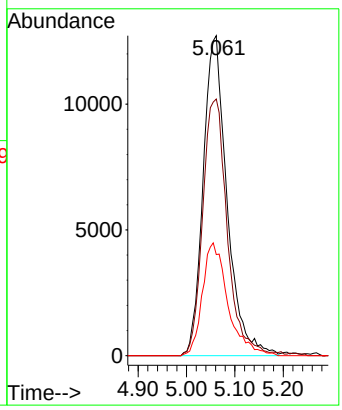


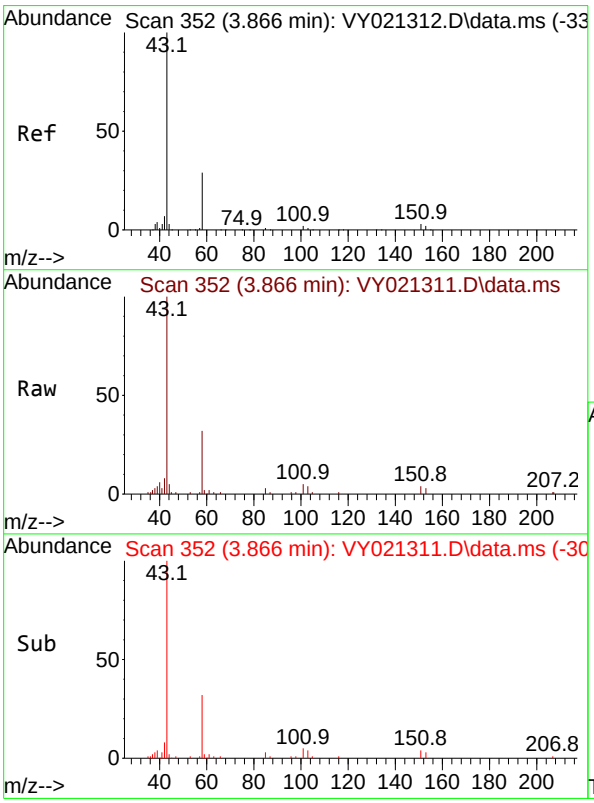

#15
Acrylonitrile
Concen: 96.460 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 53 Resp: 43763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 65.5 | 98.3 |
| 51 | 37.8 | 30.6 | 46.0 |

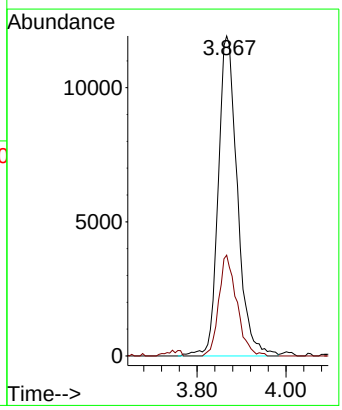


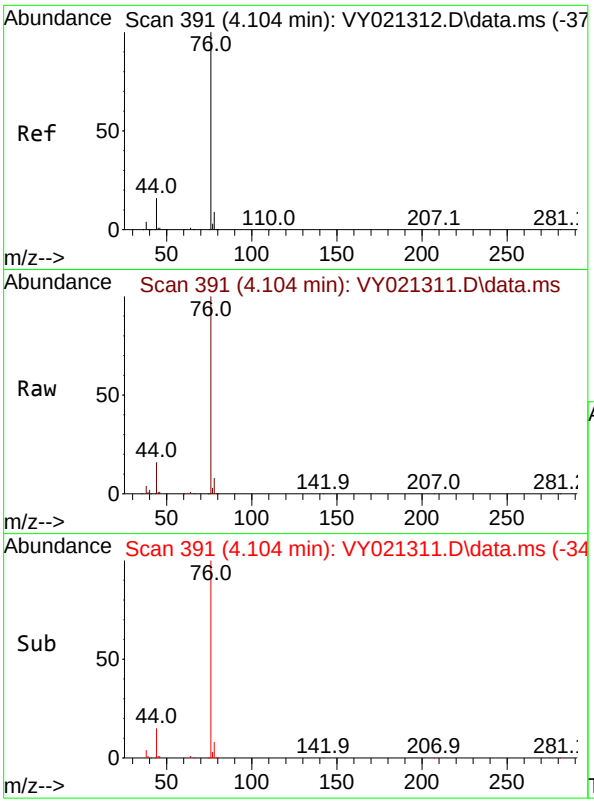




#16
Acetone
Concen: 86.623 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 35506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.5 | 23.5 | 35.3 |



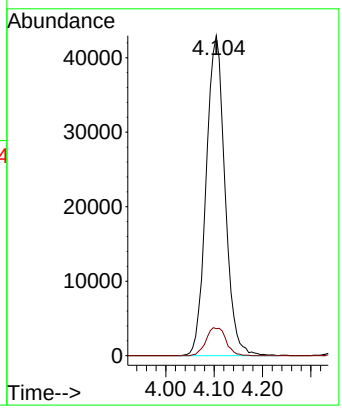


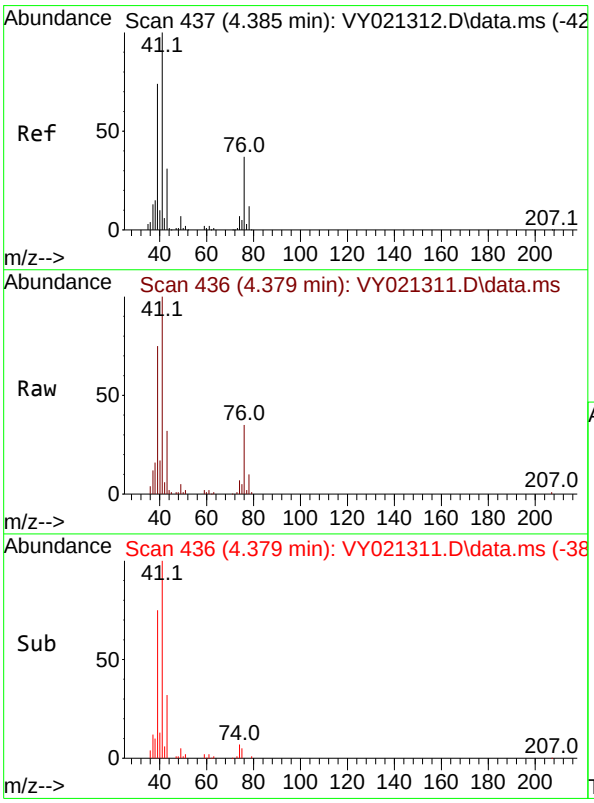

#17
Carbon Disulfide
Concen: 18.437 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 116030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 7.1 | 10.7 |

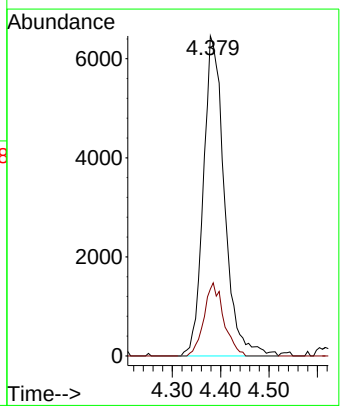


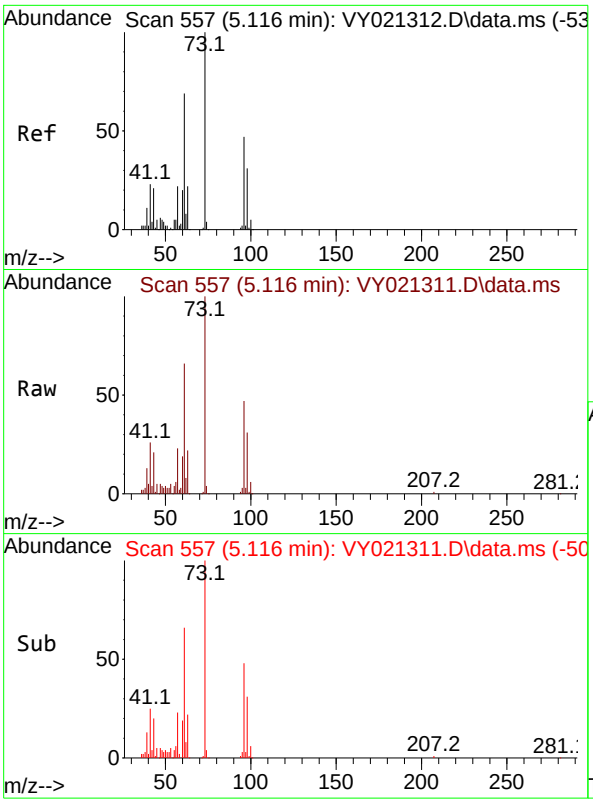




#18
Methyl Acetate
Concen: 19.500 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 19534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.4 | 17.7 | 26.5 |



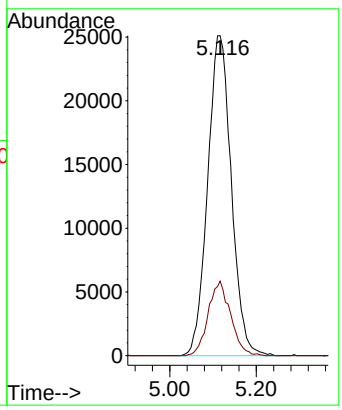


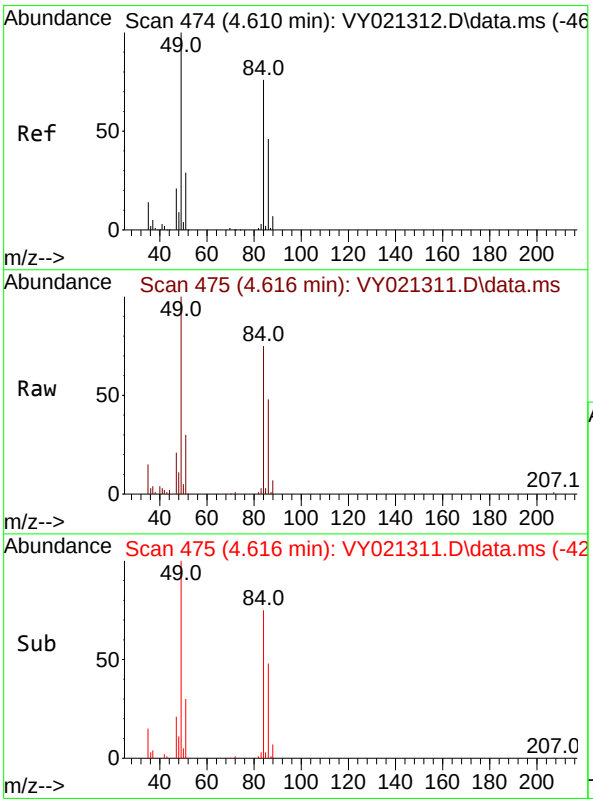

#19
Methyl tert-butyl Ether
Concen: 19.069 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 73 Resp: 95488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.3 | 17.4 | 26.0 |

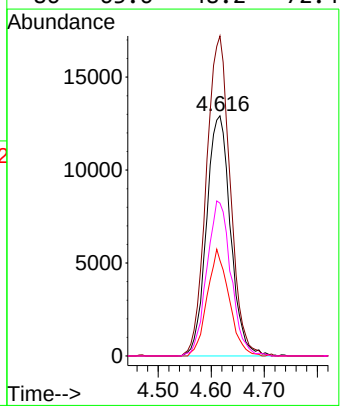


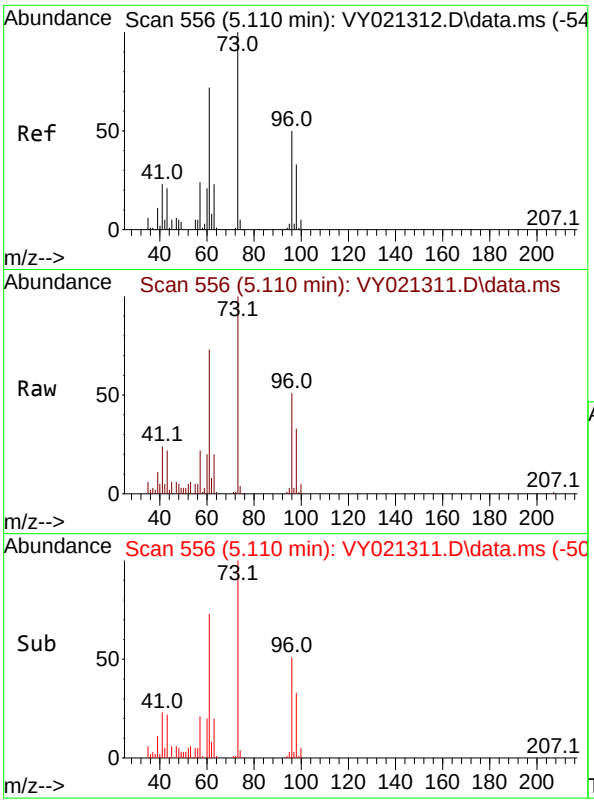




#20
Methylene Chloride
Concen: 18.331 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 84 Resp: 40630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 133.3 | 105.1 | 157.7 |
| 51 | 39.8 | 31.0 | 46.4 |
| 86 | 63.6 | 48.2 | 72.4 |



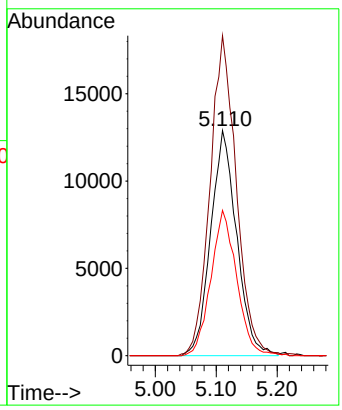


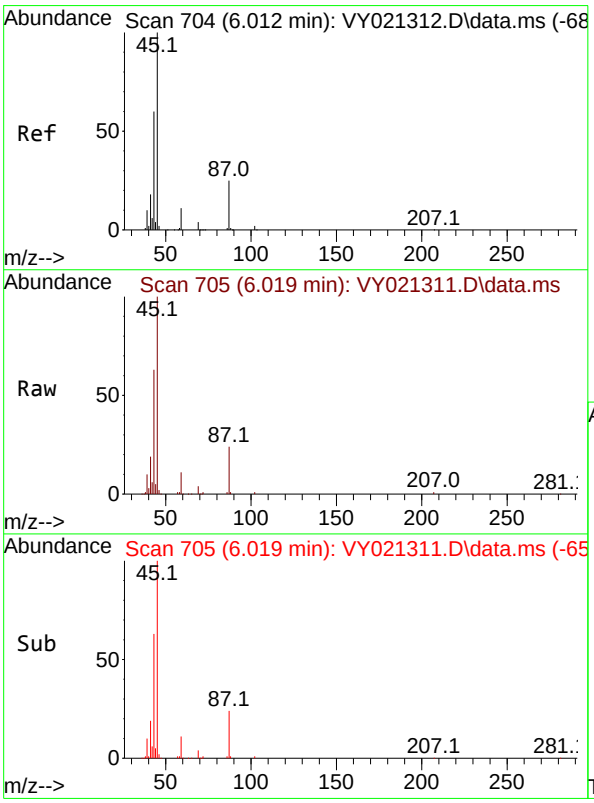

#21
trans-1,2-Dichloroethene
Concen: 18.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 38218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.1 | 116.3 | 174.5 |
| 98 | 64.5 | 52.6 | 78.8 |

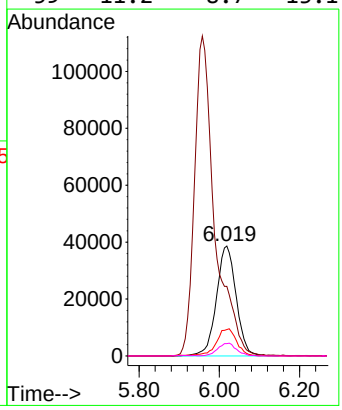


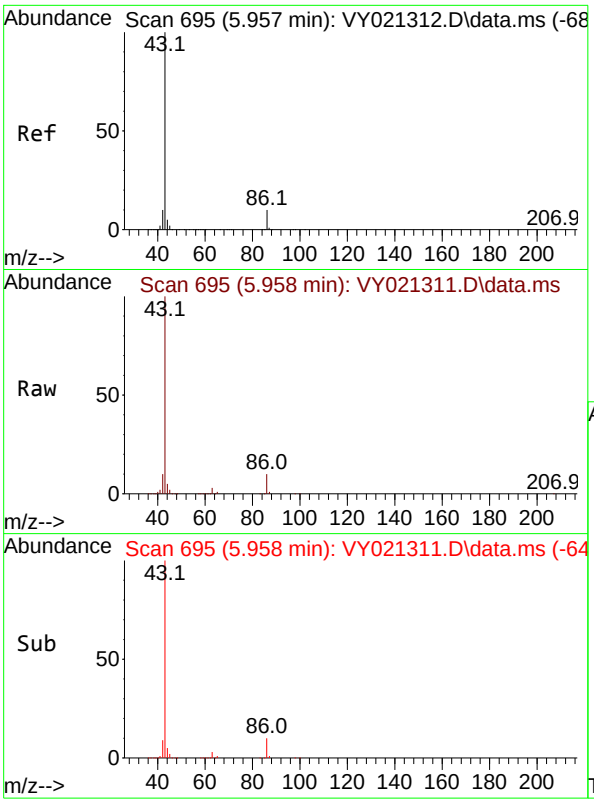




#22
Diisopropyl ether
Concen: 18.989 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 45 Resp: 132039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 62.7 | 48.2 | 72.4 |
| 87 | 24.1 | 20.3 | 30.5 |
| 59 | 11.2 | 8.7 | 13.1 |



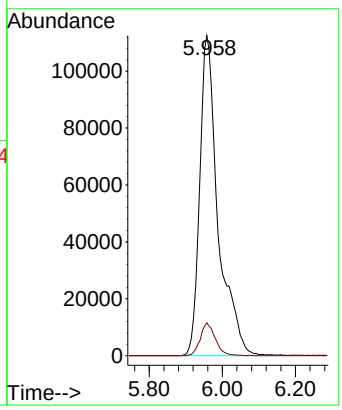


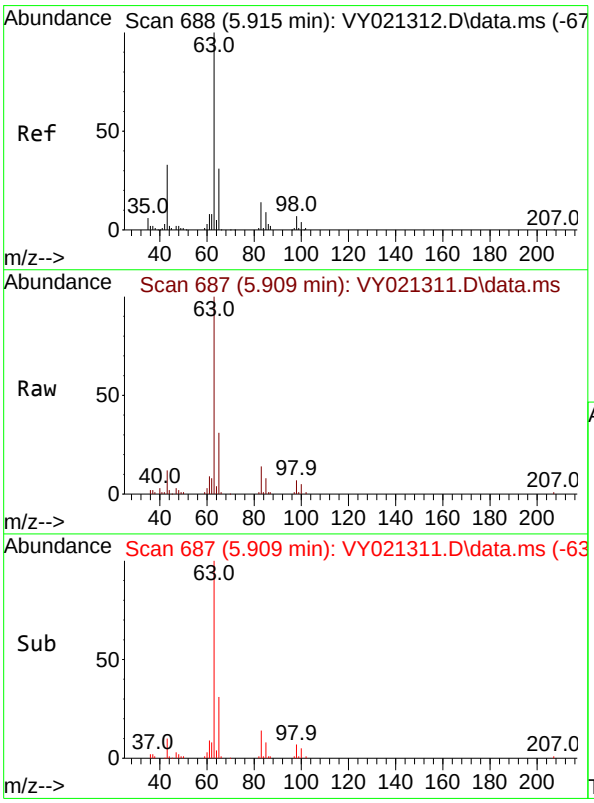

#23
Vinyl Acetate
Concen: 94.730 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 393629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.0 | 12.0 |

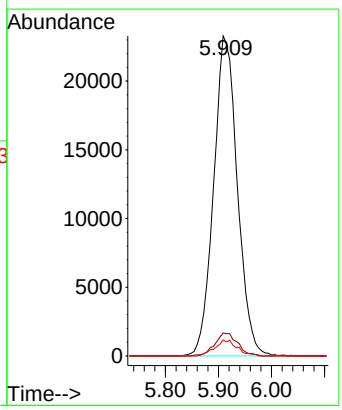


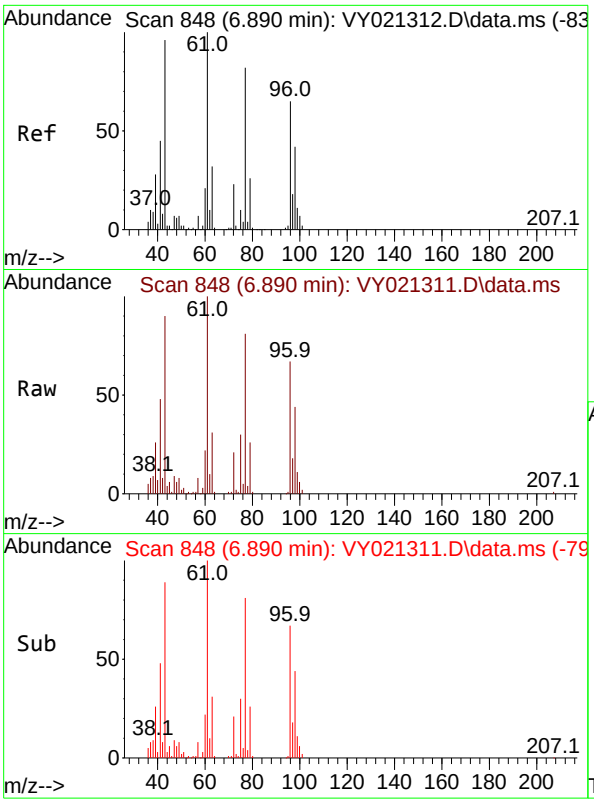




#24
1,1-Dichloroethane
Concen: 18.480 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 72428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.7 | 11.1 |
| 100 | 5.0 | 2.1 | 6.5 |



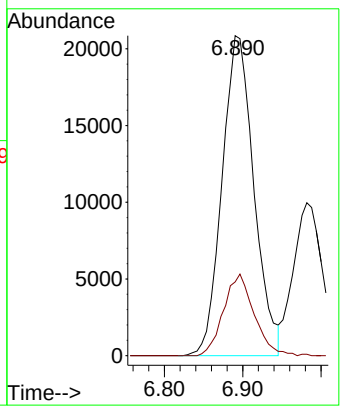


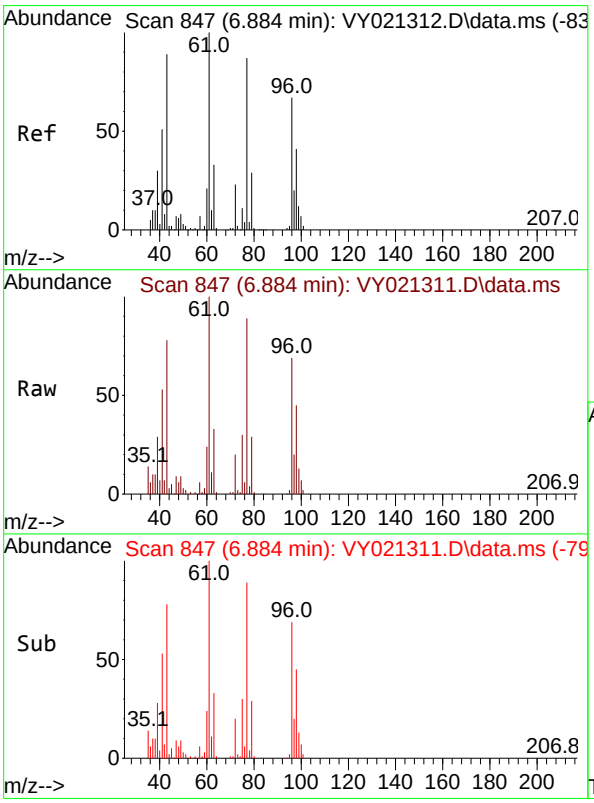

#25
2-Butanone
Concen: 95.278 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 58941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.0 | 19.0 | 28.6 |

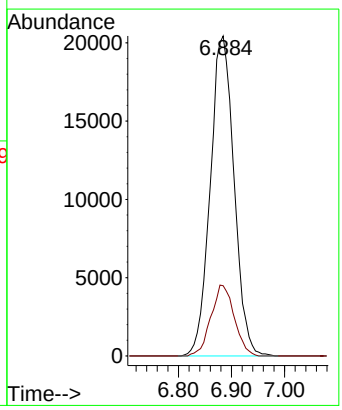


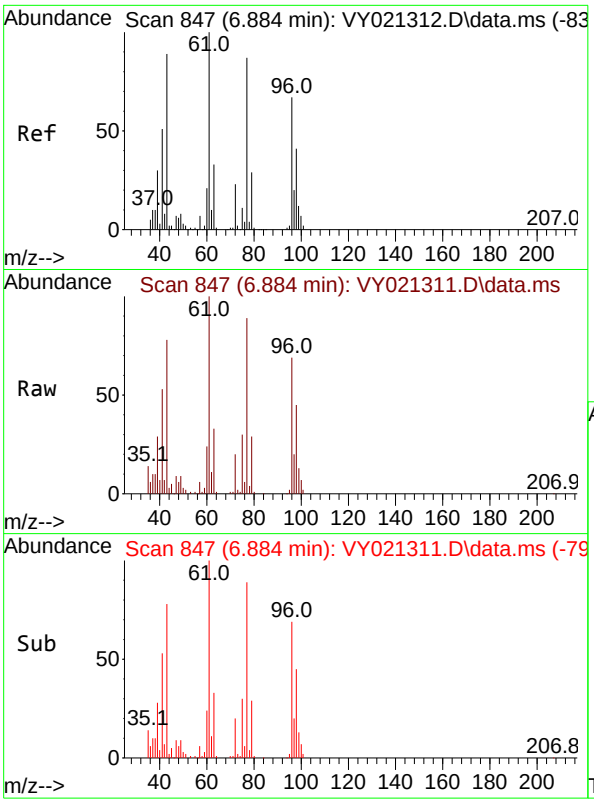




#26
2,2-Dichloropropane
Concen: 17.908 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 77 Resp: 63686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 10.9 | 32.7 |



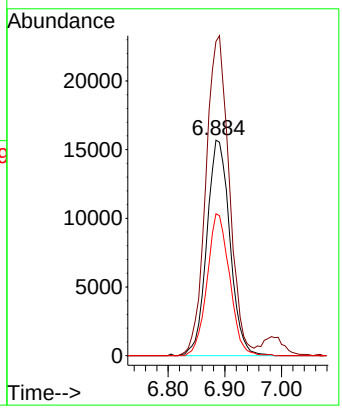


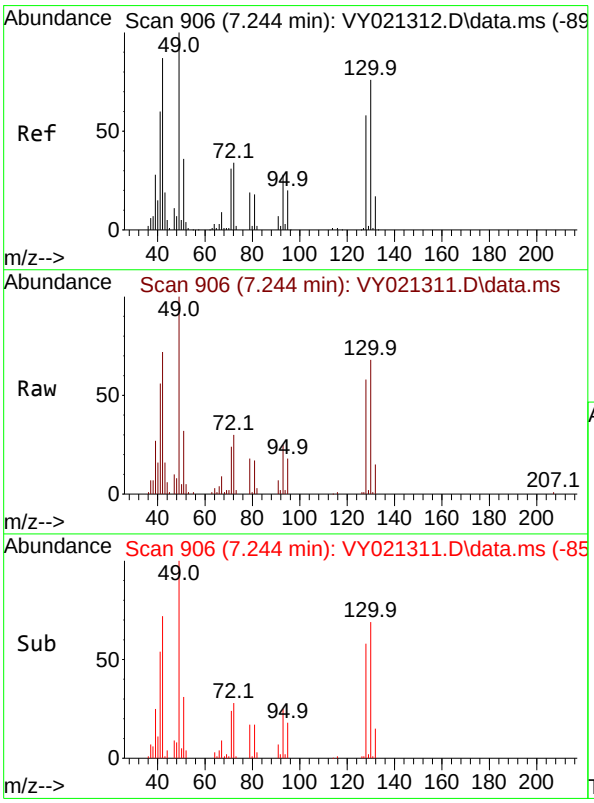

#27
cis-1,2-Dichloroethene
Concen: 18.592 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 44297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.5 | 0.0 | 308.0 |
| 98 | 64.3 | 0.0 | 129.6 |

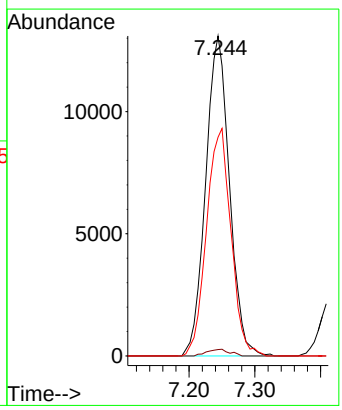


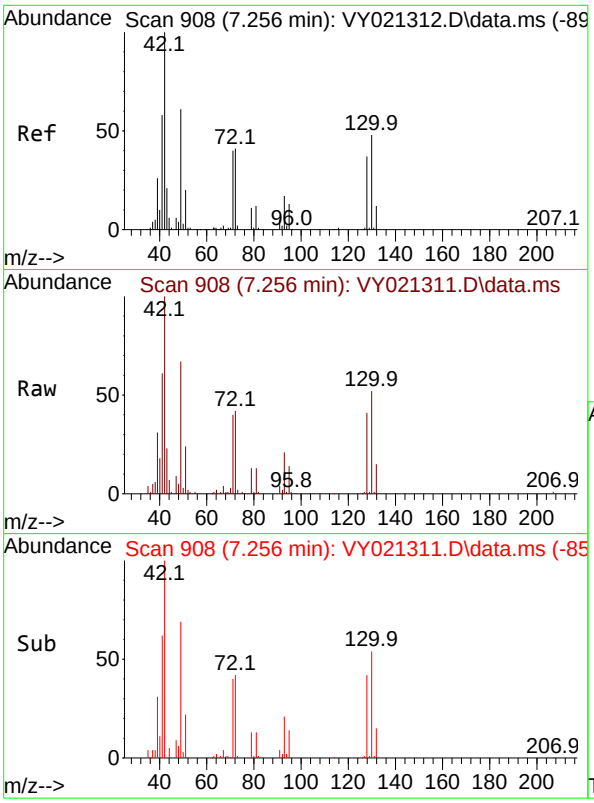




#28
Bromochloromethane
Concen: 19.022 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 49 Resp: 32987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 73.2 | 57.8 | 86.6 |



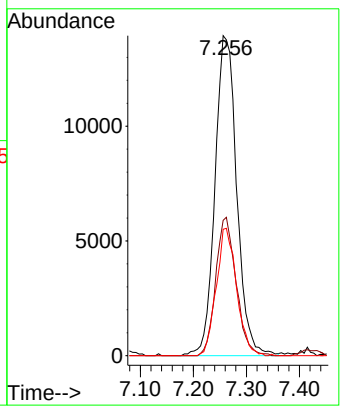


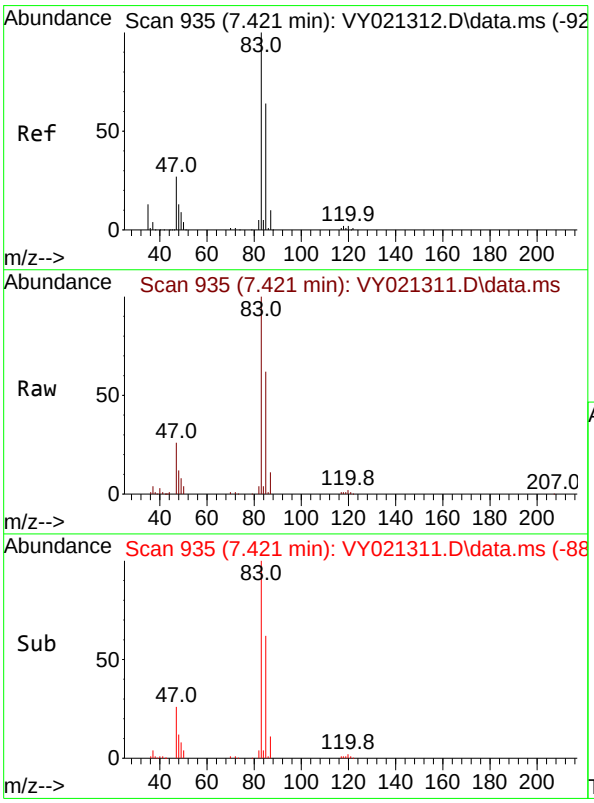

#29
Tetrahydrofuran
Concen: 98.365 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 42 Resp: 39775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.4 | 33.1 | 49.7 |
| 71 | 37.2 | 31.4 | 47.0 |

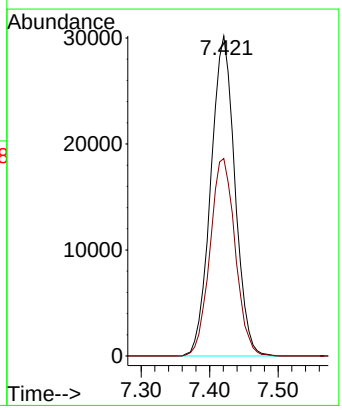


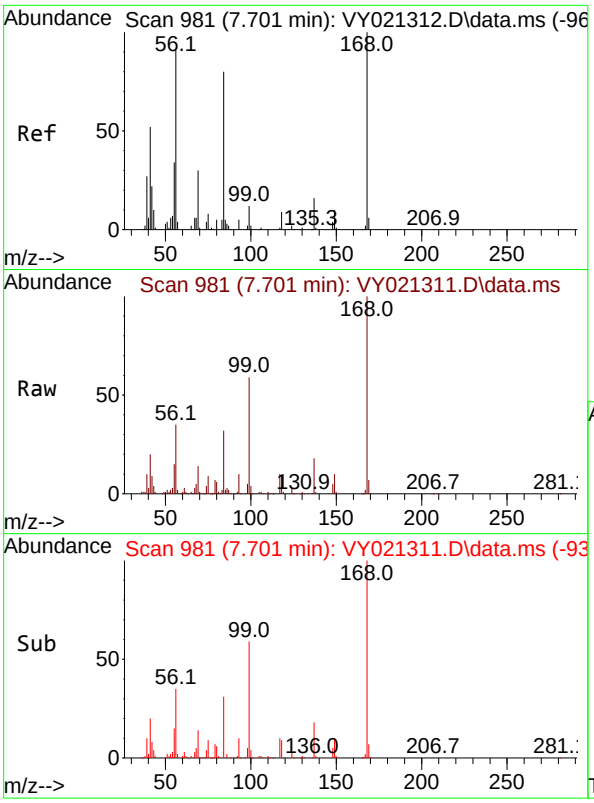




#30
Chloroform
Concen: 18.543 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 73639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.7 | 51.6 | 77.4 |



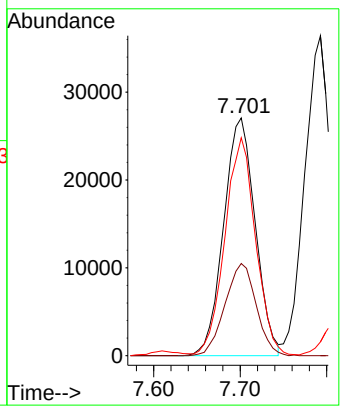


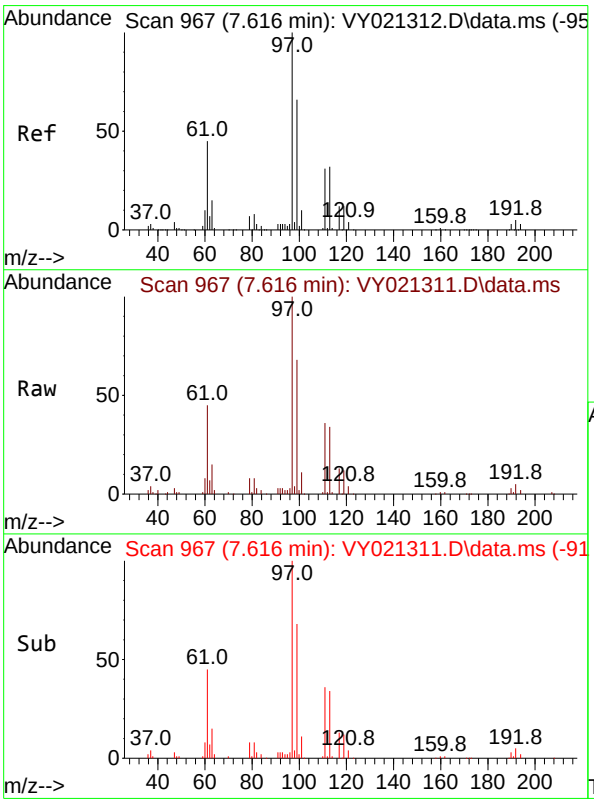

#31
Cyclohexane
Concen: 18.191 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 68531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 38.8 | 26.2 | 39.4 |
| 84 | 90.4 | 70.2 | 105.4 |

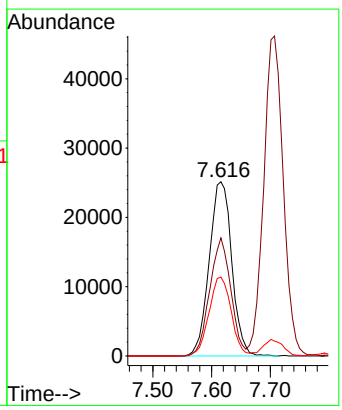


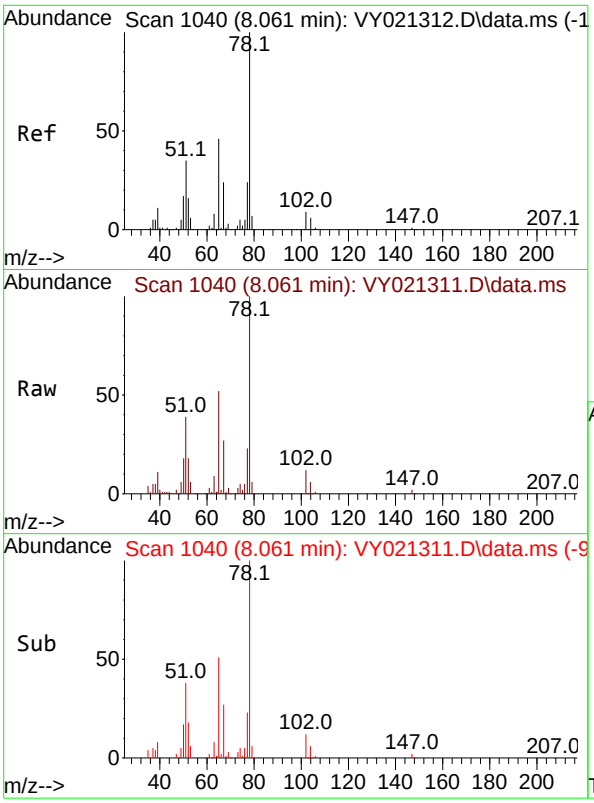




#32
1,1,1-Trichloroethane
Concen: 18.538 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 67011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 52.4 | 78.6 |
| 61 | 44.5 | 36.2 | 54.2 |



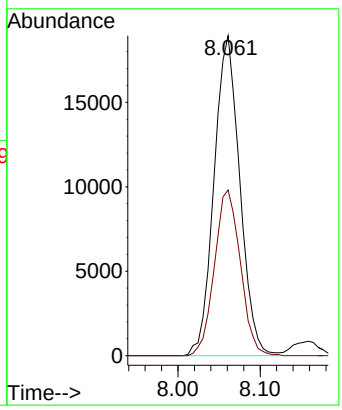


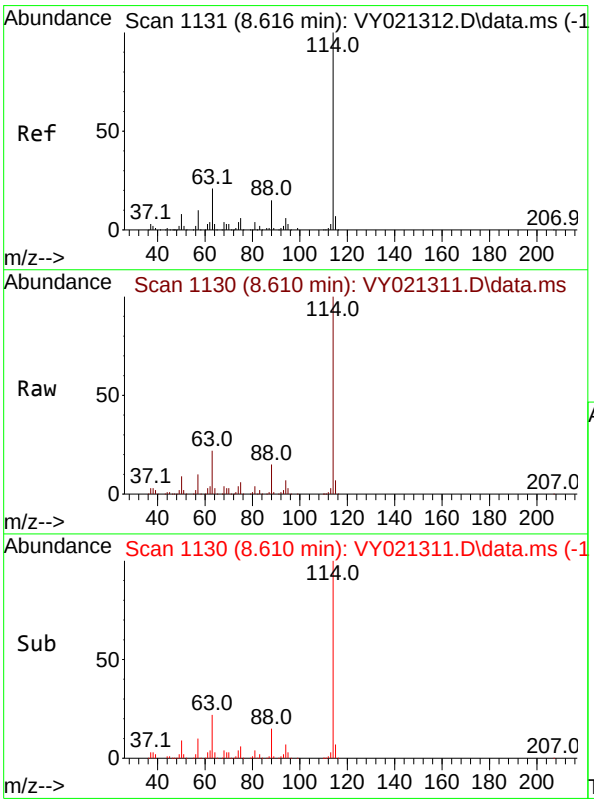

#33
1,2-Dichloroethane-d4
Concen: 19.337 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 65 Resp: 41320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 103.6 |

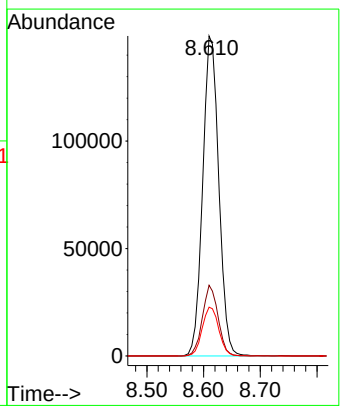


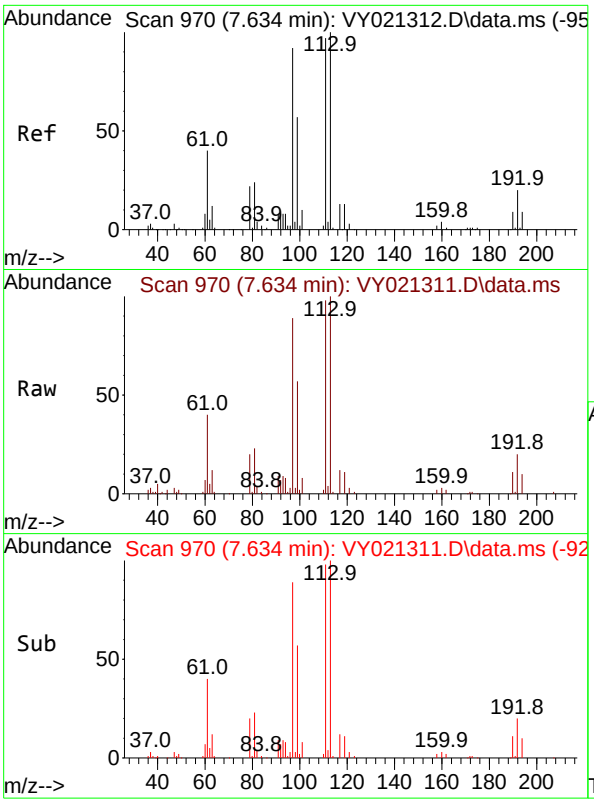




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:114 Resp: 293434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 42.2 |
| 88 | 15.2 | 0.0 | 29.8 |



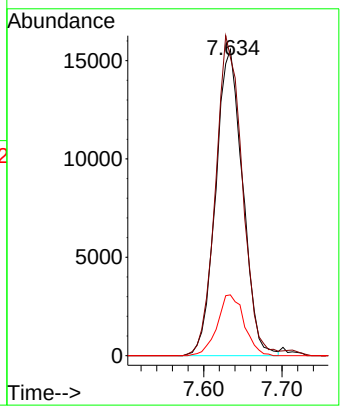


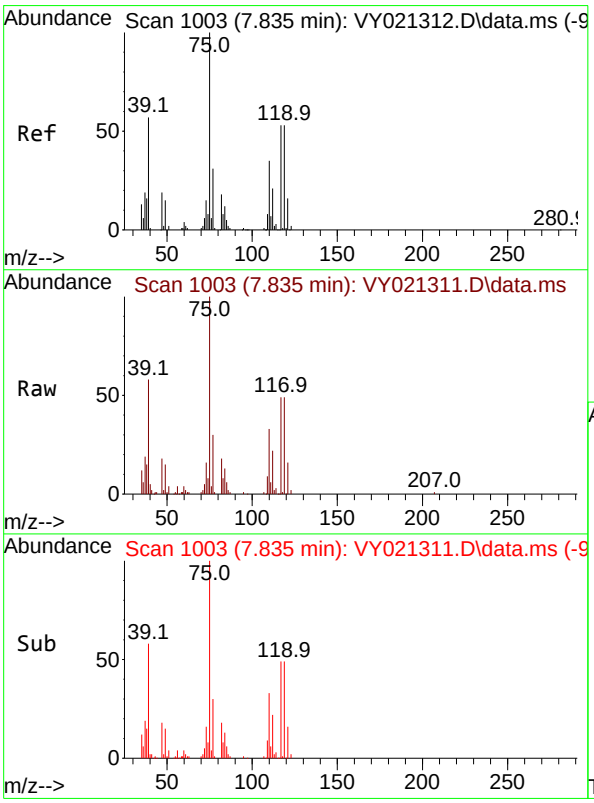

#35
Dibromofluoromethane
Concen: 19.371 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:113 Resp: 37265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.5 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |

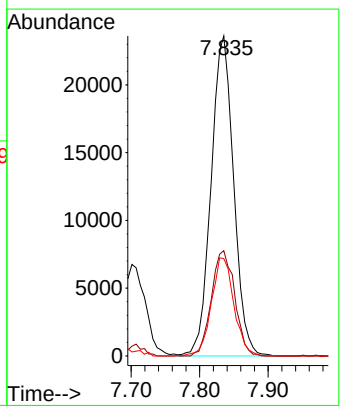


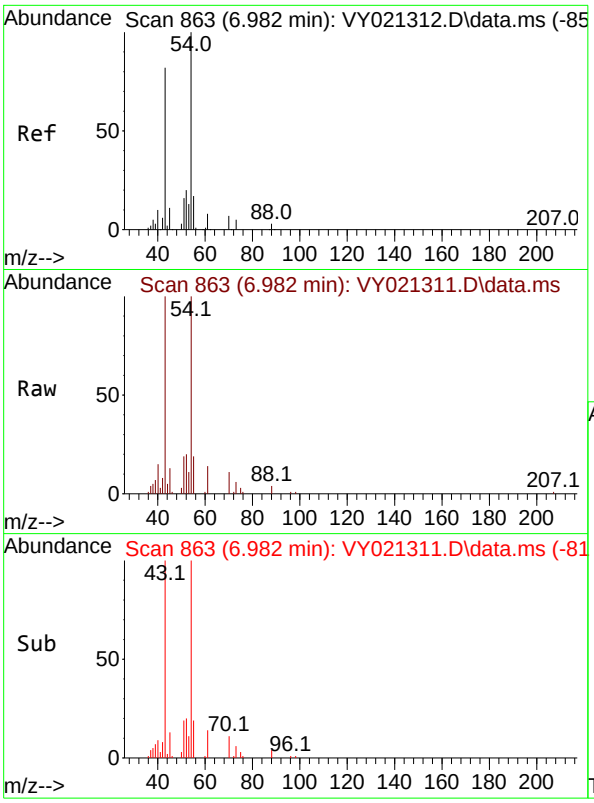




#36
1,1-Dichloropropene
Concen: 18.685 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 53995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 16.9 | 50.7 |
| 77 | 30.6 | 24.6 | 36.8 |



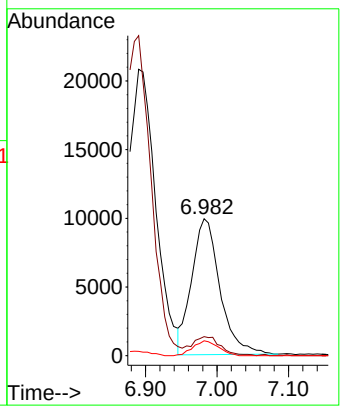


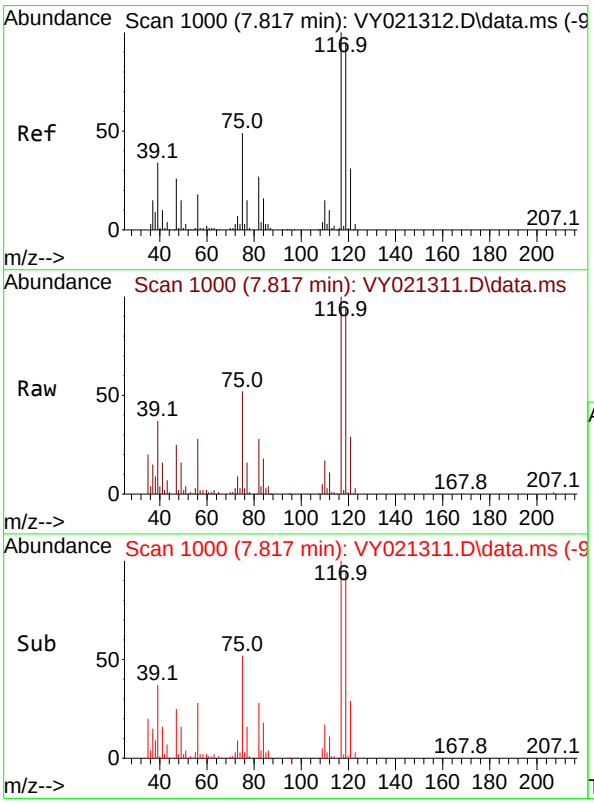

#37
Ethyl Acetate
Concen: 18.914 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 27188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.1 | 10.4 | 15.6 |
| 70 | 9.8 | 7.5 | 11.3 |

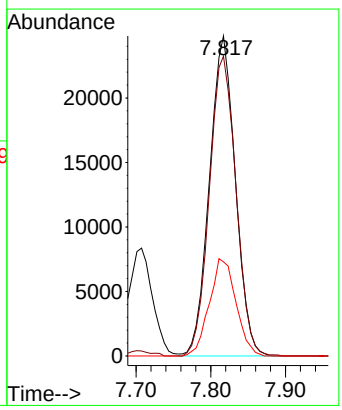


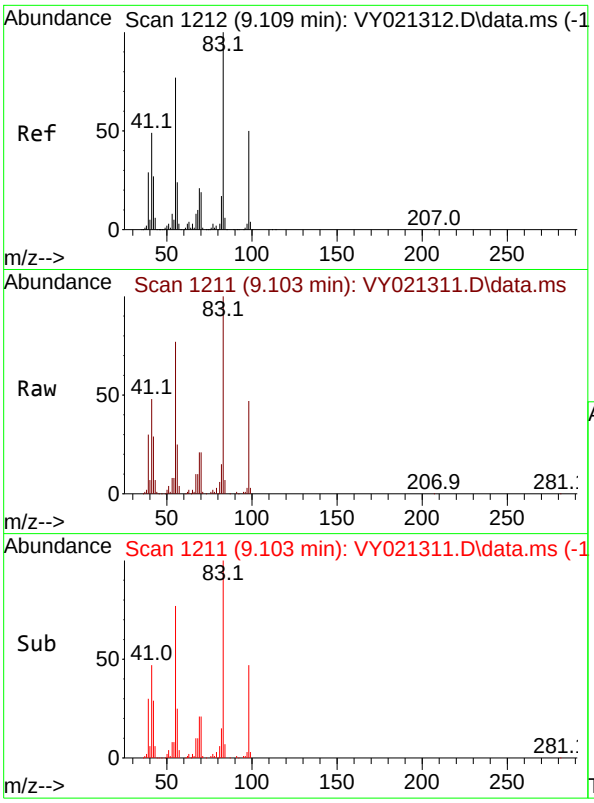




#38
Carbon Tetrachloride
Concen: 18.387 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 59733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.7 | 76.0 | 114.0 |
| 121 | 29.4 | 24.9 | 37.3 |



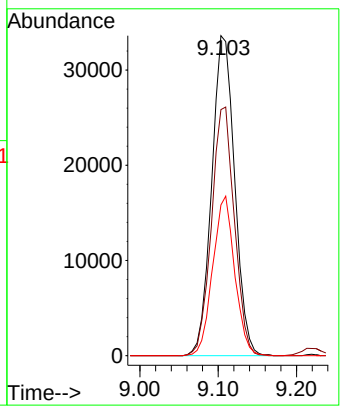


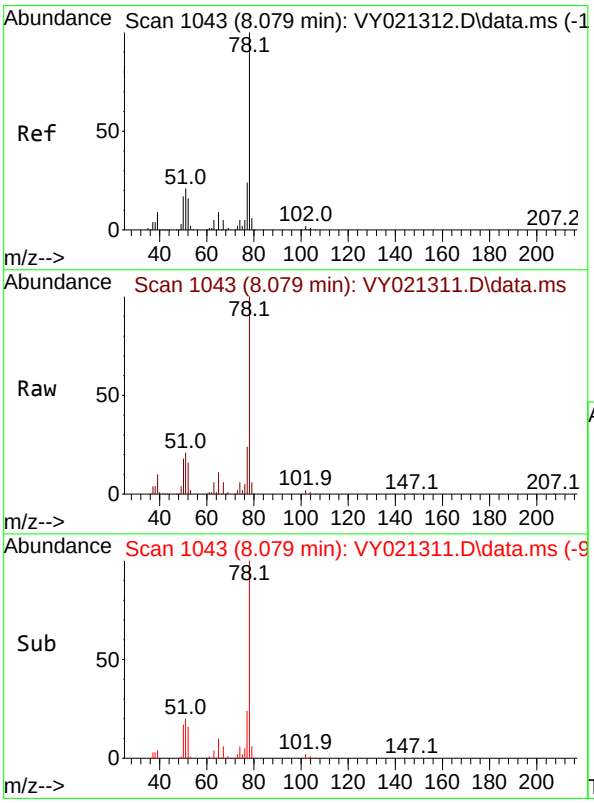

#39
Methylcyclohexane
Concen: 18.746 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 68516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.9 | 61.3 | 91.9 |
| 98 | 47.1 | 39.9 | 59.9 |

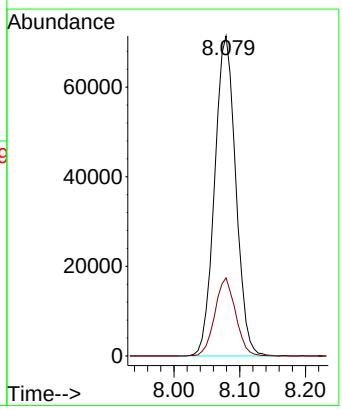


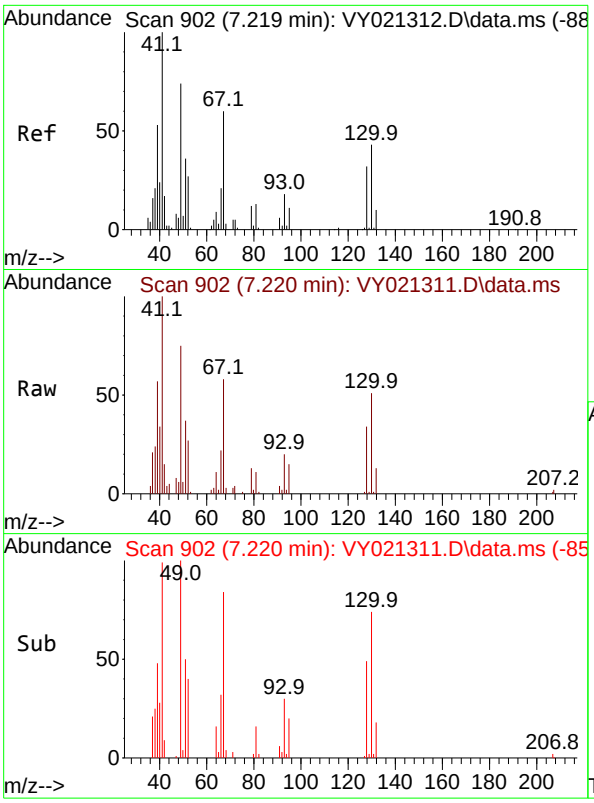




#40
Benzene
Concen: 18.676 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 78 Resp: 159536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.4 | 19.2 | 28.8 |



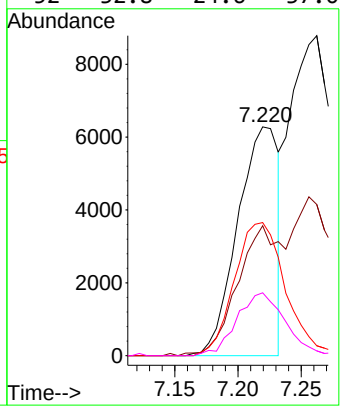


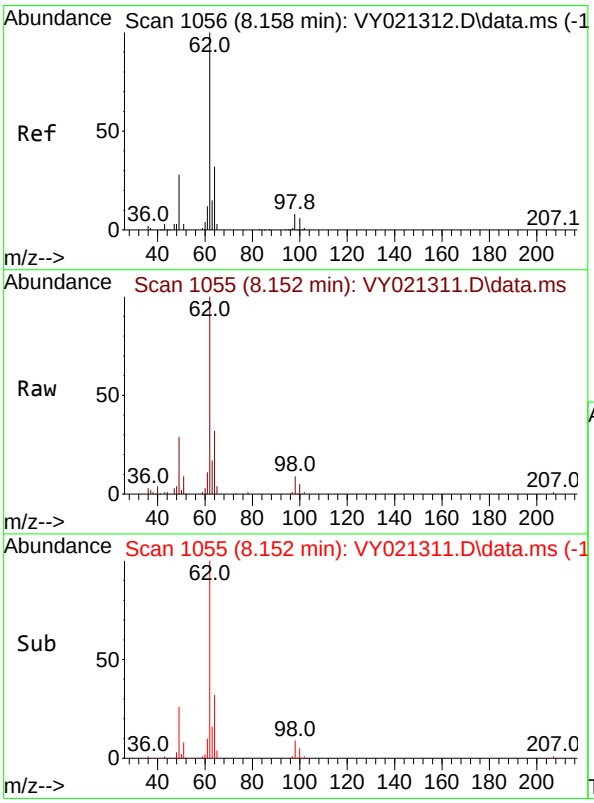

#41
Methacrylonitrile
Concen: 17.554 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 41 Resp: 14108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 63.1 | 42.3 | 63.5 |
| 67 | 72.9 | 54.8 | 82.2 |
| 52 | 32.8 | 24.6 | 37.0 |

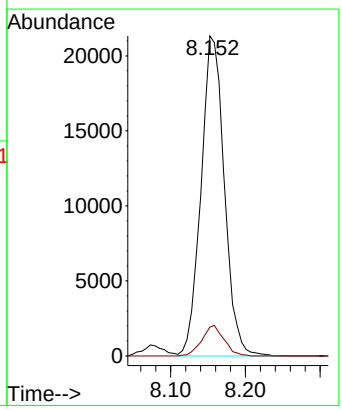


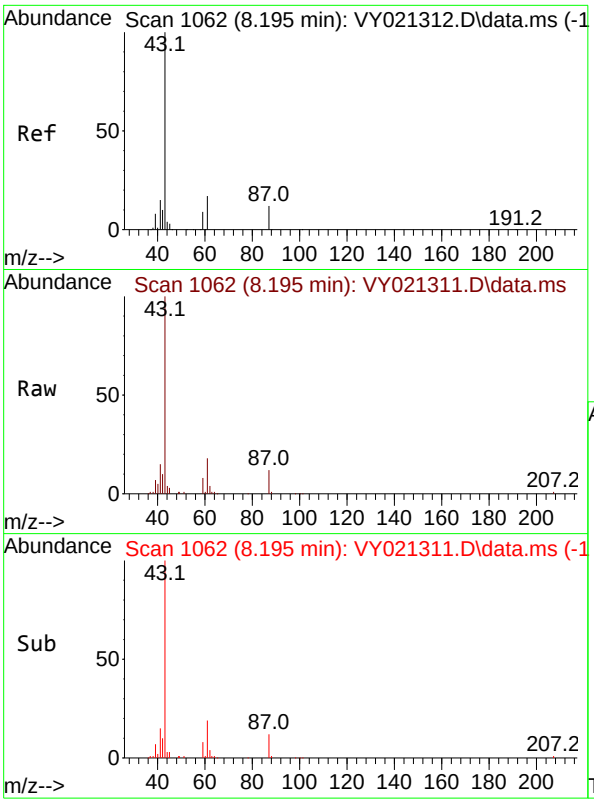




#42
1,2-Dichloroethane
Concen: 19.043 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 46152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.6 |



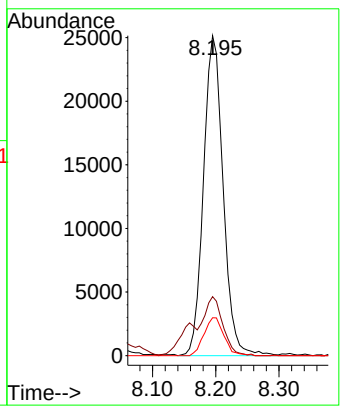


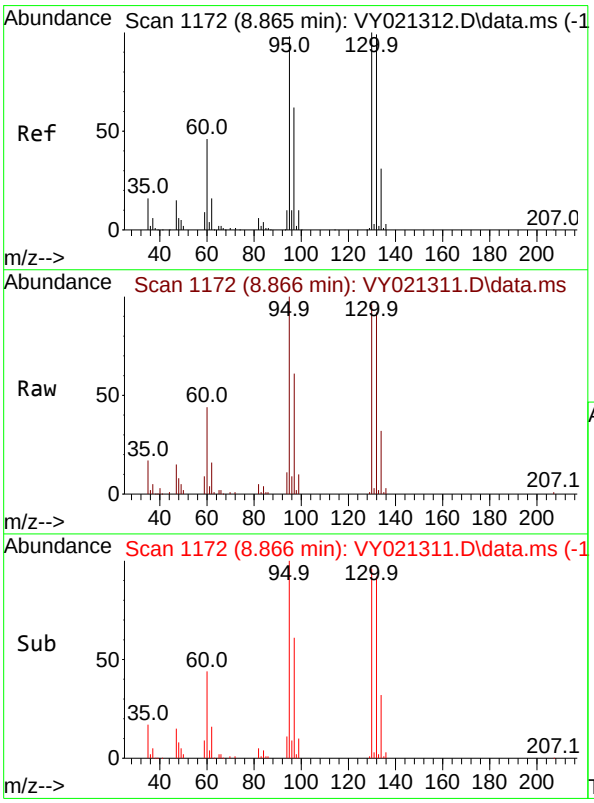

#43
Isopropyl Acetate
Concen: 19.583 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 54484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 15.0 | 22.6 |
| 87 | 12.1 | 10.0 | 15.0 |

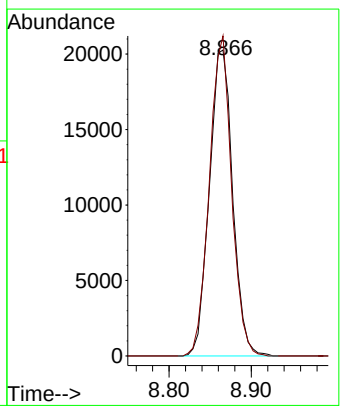


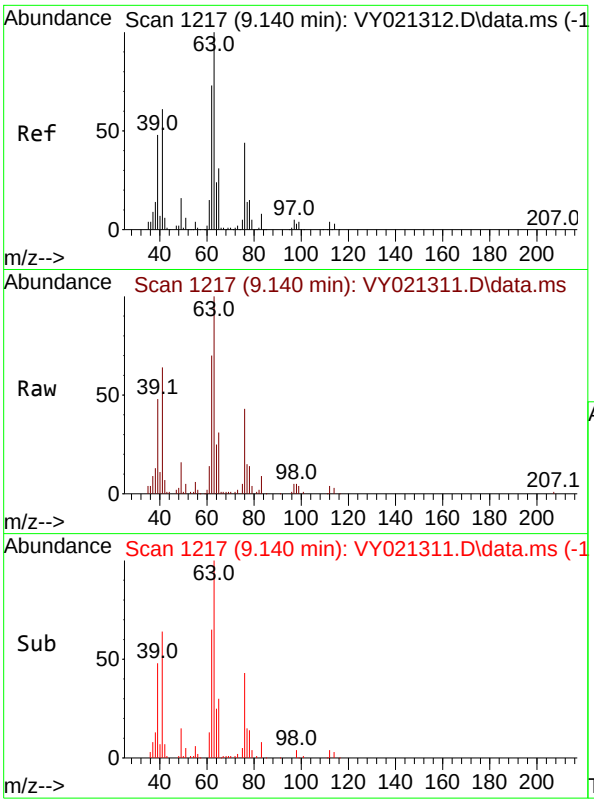




#44
Trichloroethene
Concen: 18.706 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:130 Resp: 40005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 104.6 | 0.0 | 196.0 |



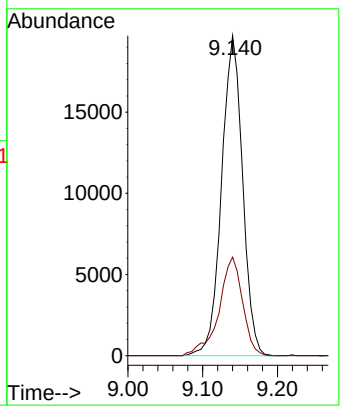


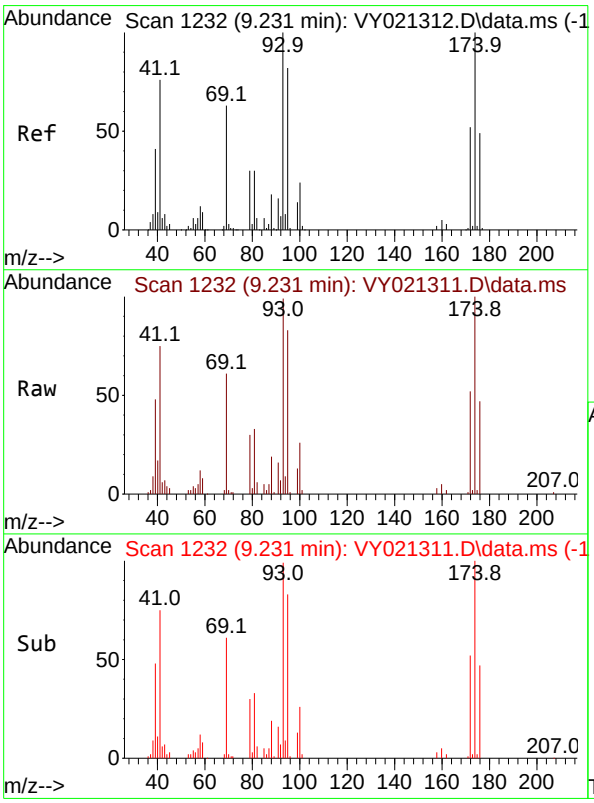

#45
1,2-Dichloropropane
Concen: 18.782 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 63 Resp: 38611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.6 | 36.8 |

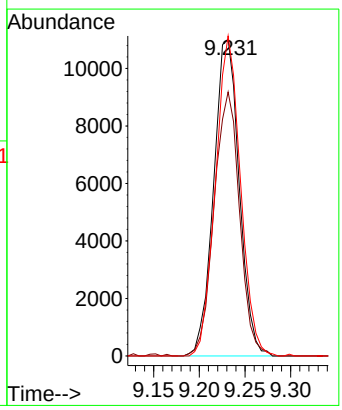


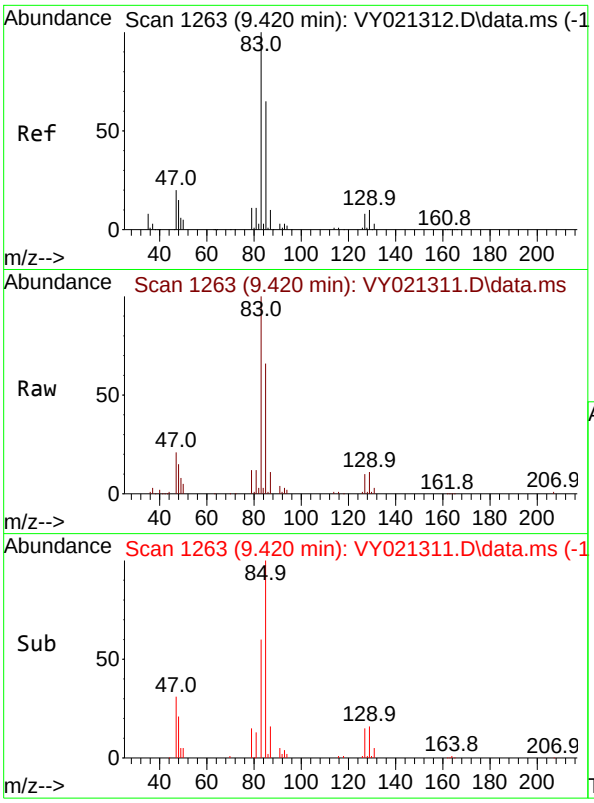




#46
Dibromomethane
Concen: 19.063 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 93 Resp: 21421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 66.4 | 99.6 |
| 174 | 98.7 | 78.2 | 117.2 |



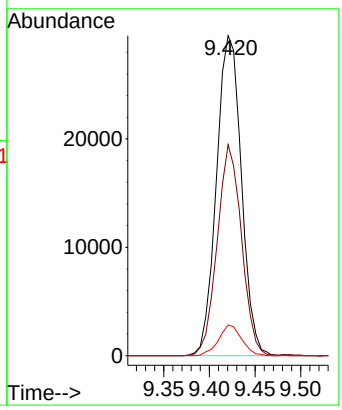


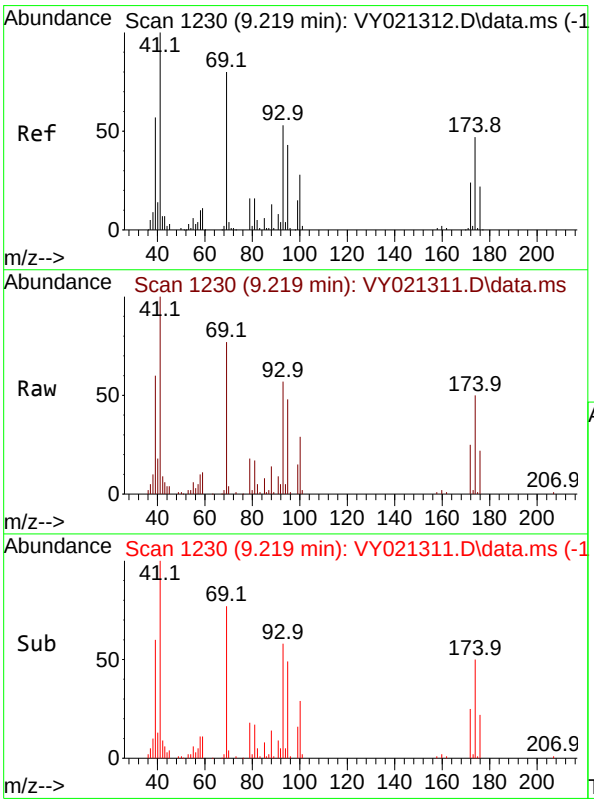

#47
Bromodichloromethane
Concen: 18.701 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 56033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 51.8 | 77.8 |
| 127 | 9.6 | 6.7 | 10.1 |

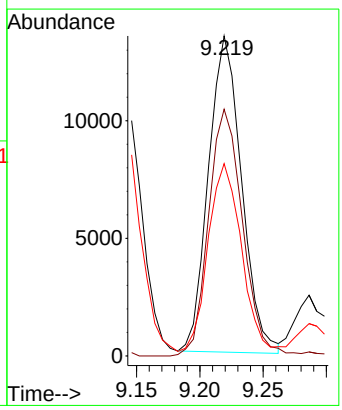


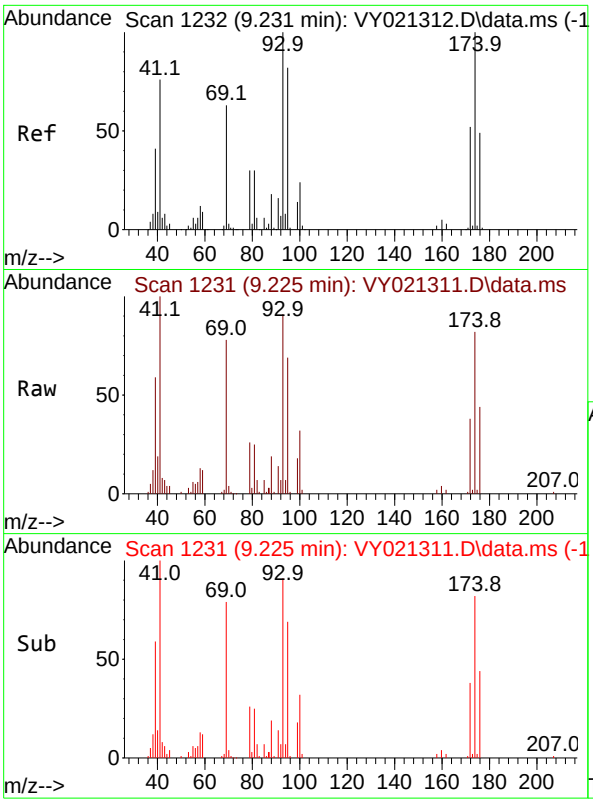




#48
Methyl methacrylate
Concen: 18.801 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 24461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.2 | 63.3 | 94.9 |
| 39 | 60.2 | 45.0 | 67.6 |



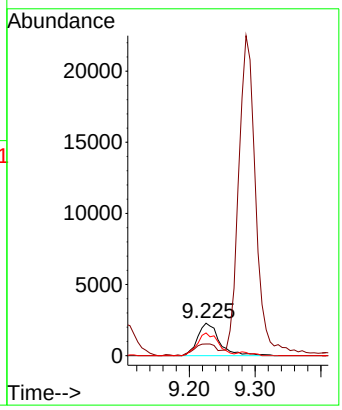


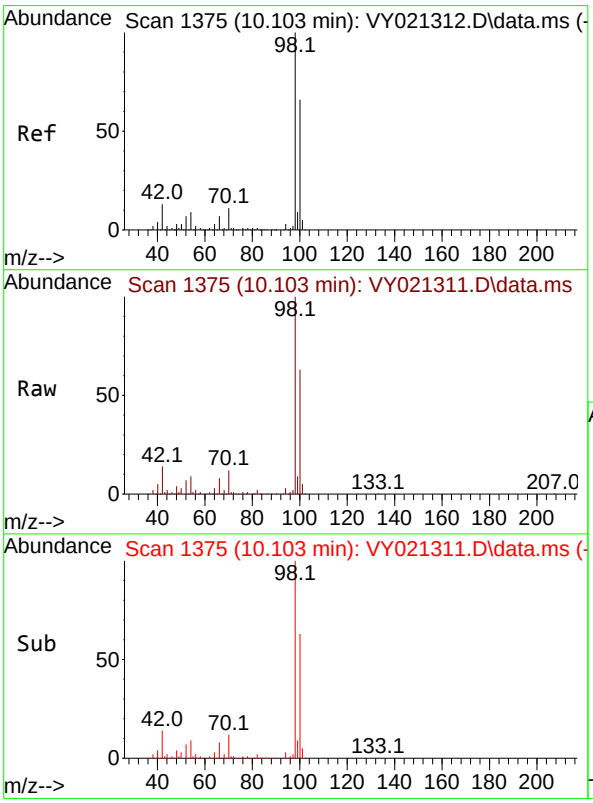

#49
1,4-Dioxane
Concen: 424.825 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 88 Resp: 5308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.4 | 34.8 | 52.2 |
| 58 | 66.8 | 59.8 | 89.6 |

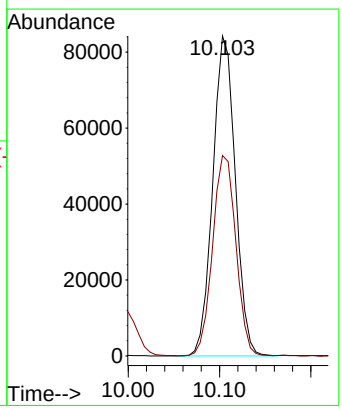


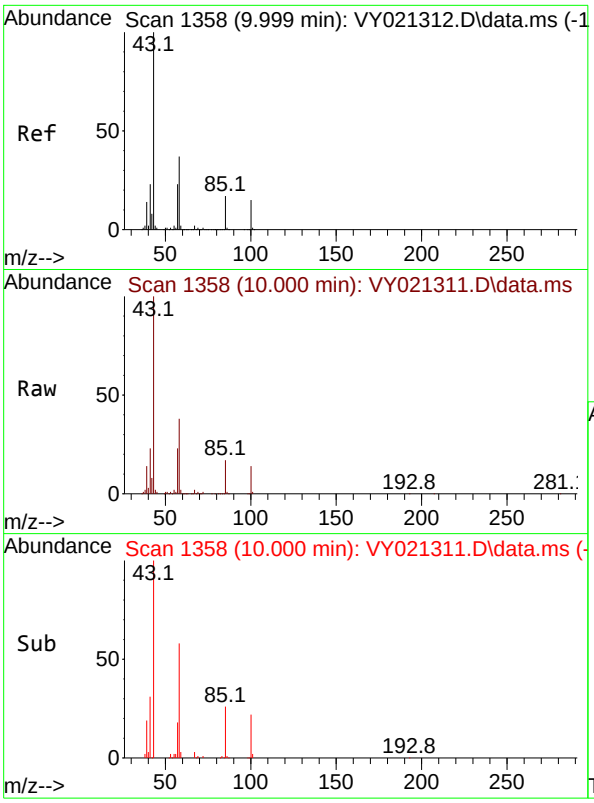




#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 98 Resp: 144409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 52.4 | 78.6 |



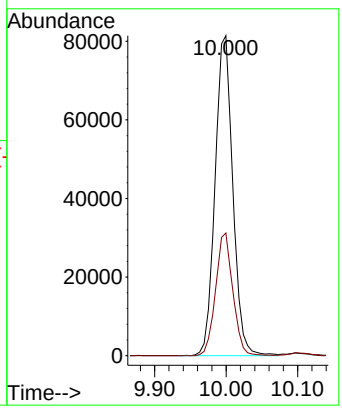


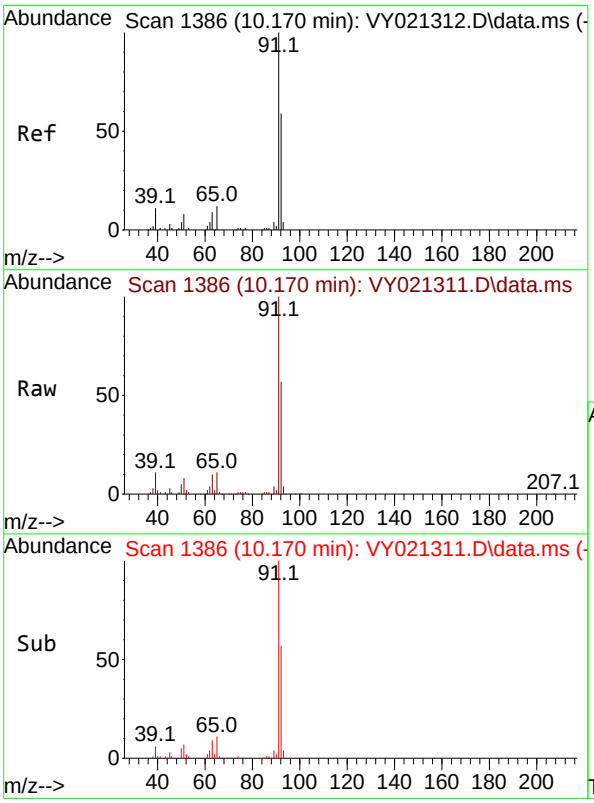

#51
4-Methyl-2-Pentanone
Concen: 98.430 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 140187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.3 | 30.1 | 45.1 |

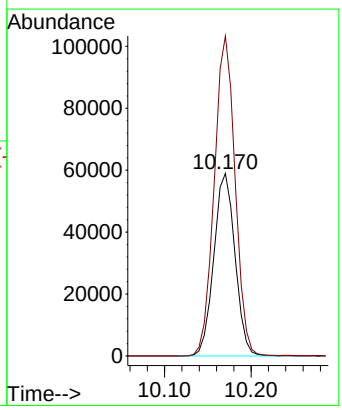


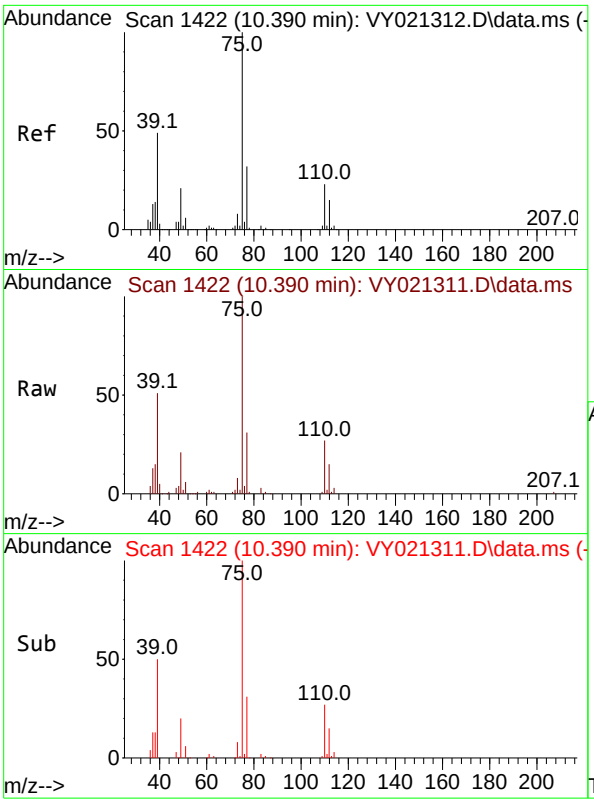




#52
Toluene
Concen: 18.854 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 92 Resp: 100050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.8 | 137.8 | 206.8 |



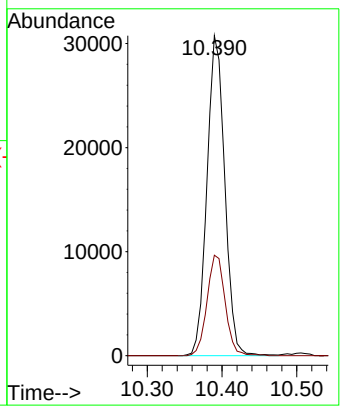


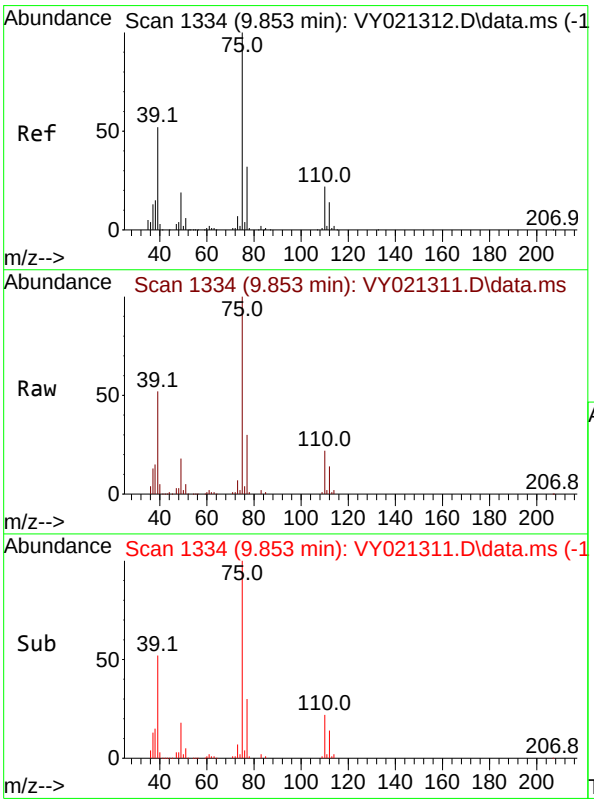

#53
t-1,3-Dichloropropene
Concen: 18.563 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 50957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.3 | 37.9 |

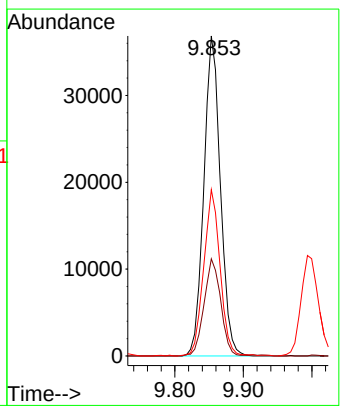


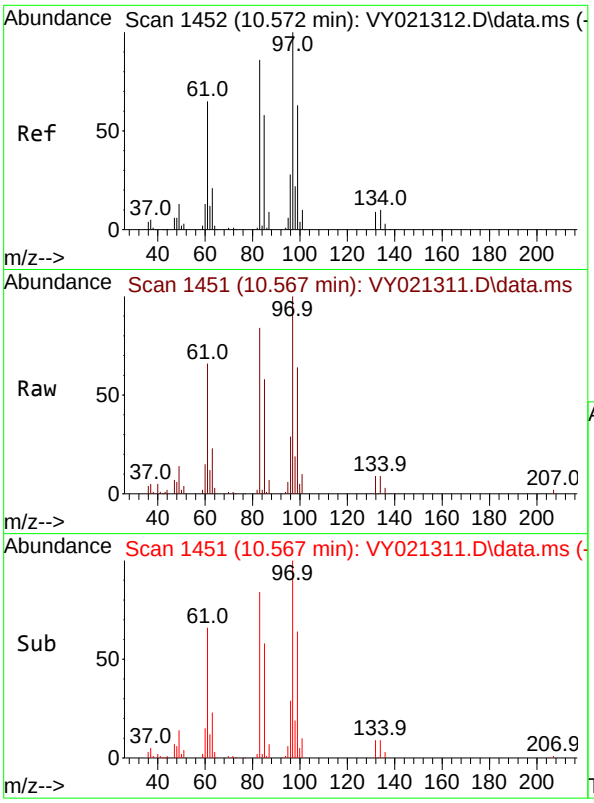




#54
cis-1,3-Dichloropropene
Concen: 19.122 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 61967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.3 | 25.7 | 38.5 |
| 39 | 52.0 | 41.8 | 62.6 |



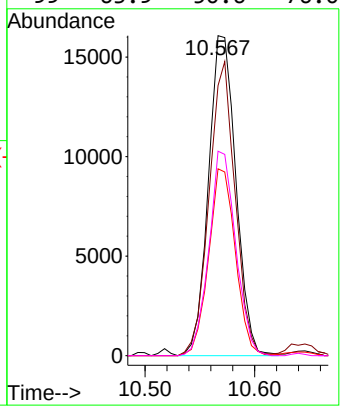


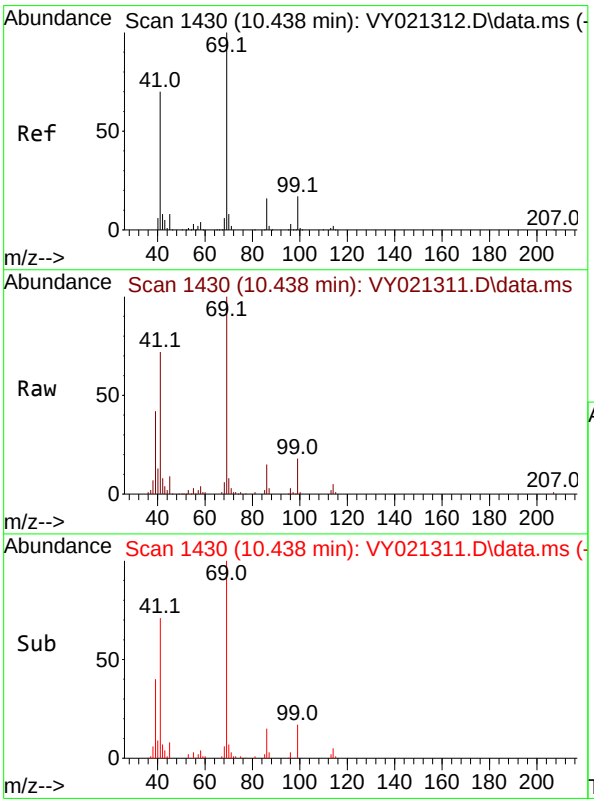

#55
1,1,2-Trichloroethane
Concen: 19.088 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 97 Resp: 27942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.4 | 68.7 | 103.1 |
| 85 | 58.4 | 46.3 | 69.5 |
| 99 | 63.9 | 50.6 | 76.0 |

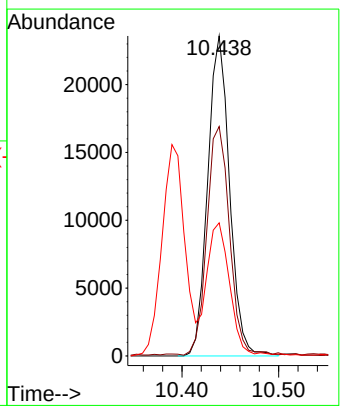


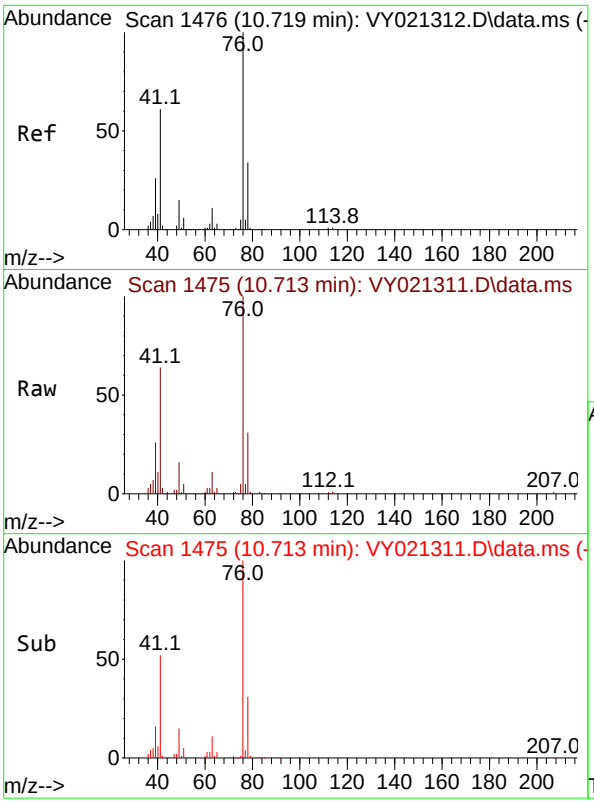




#56
Ethyl methacrylate
Concen: 18.291 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 69 Resp: 36997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 74.3 | 56.2 | 84.4 |
| 39 | 43.9 | 32.7 | 49.1 |



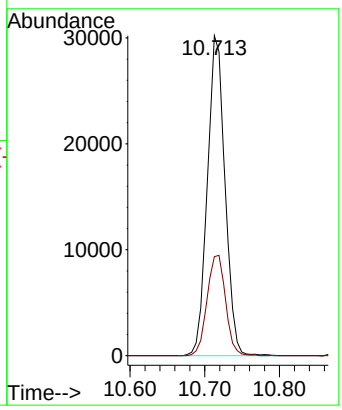


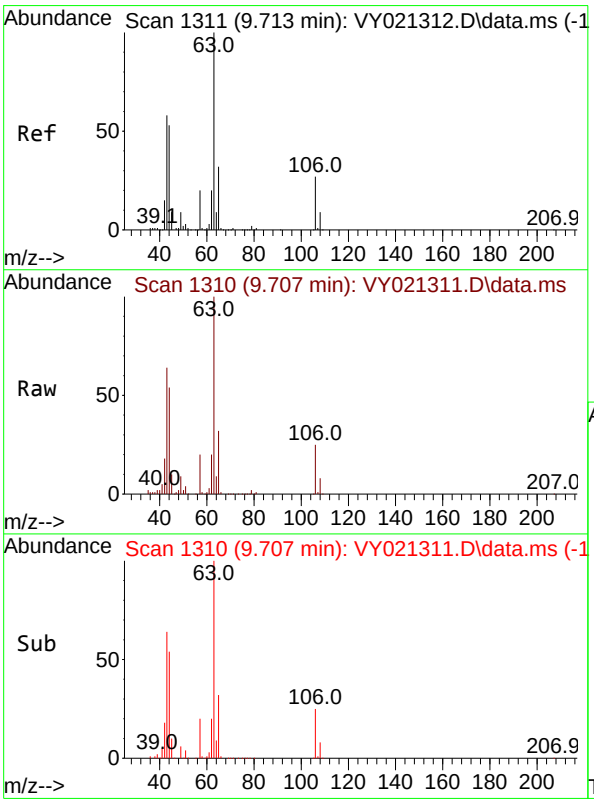

#57
1,3-Dichloropropane
Concen: 19.270 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 49499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.9 | 25.9 | 38.9 |

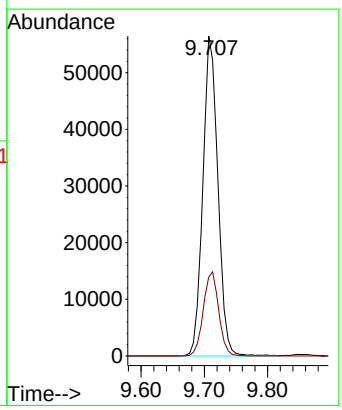


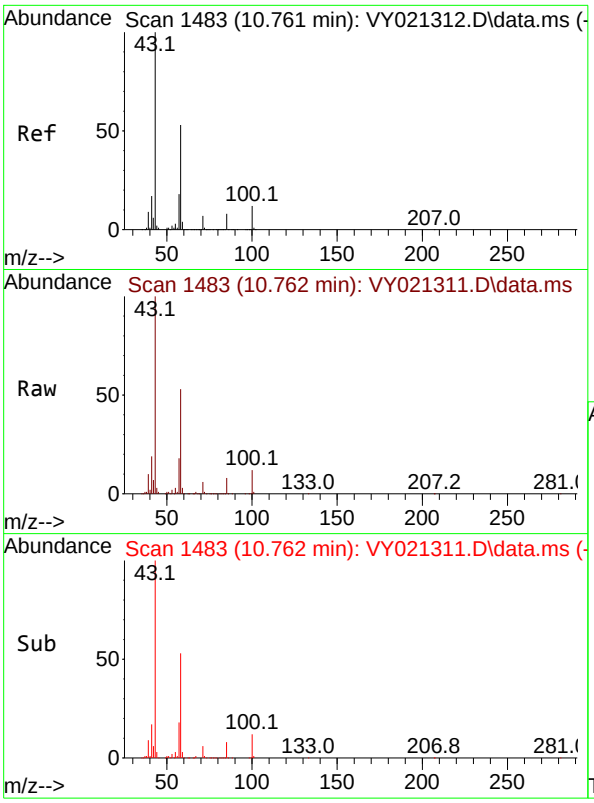




#58
2-Chloroethyl Vinyl ether
Concen: 96.179 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 93377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.9 | 21.7 | 32.5 |



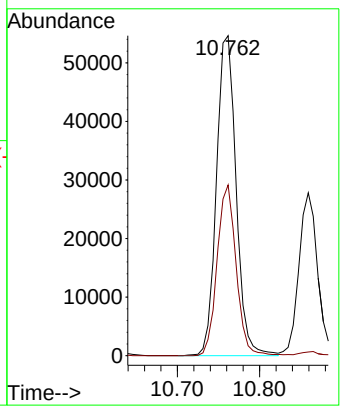


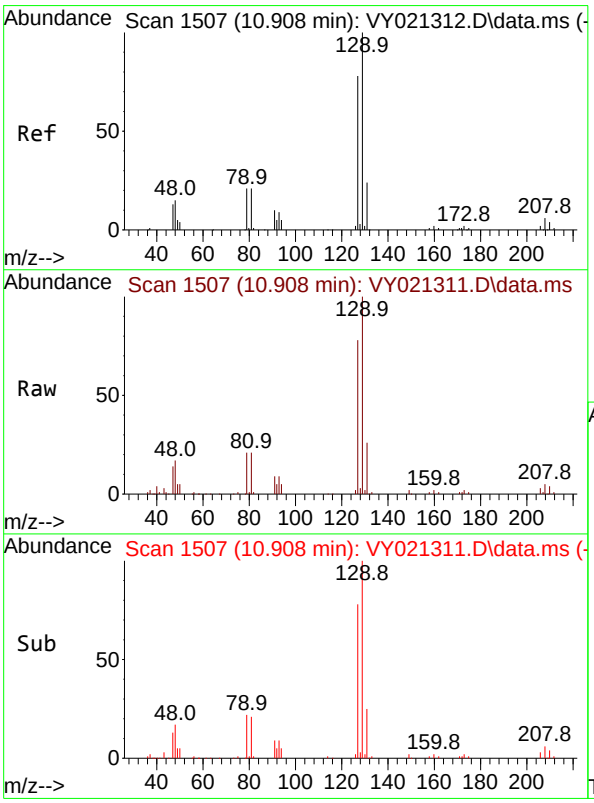

#59
2-Hexanone
Concen: 97.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 90882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.7 | 25.9 | 77.6 |

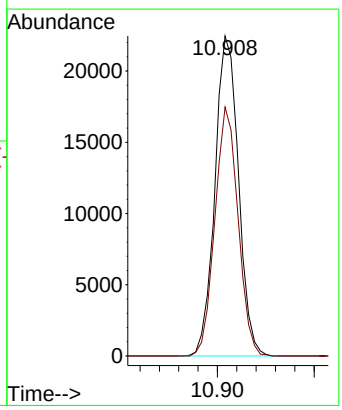


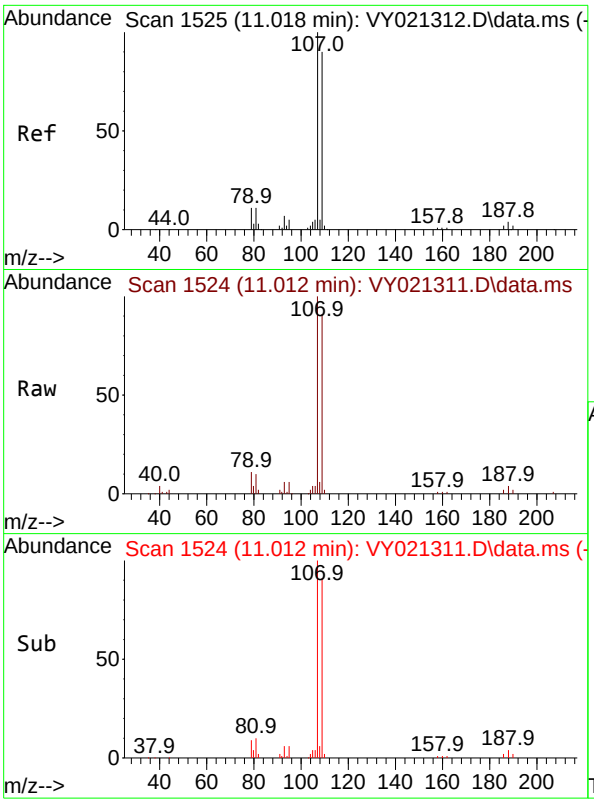




#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:129 Resp: 37808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.5 | 38.8 | 116.4 |



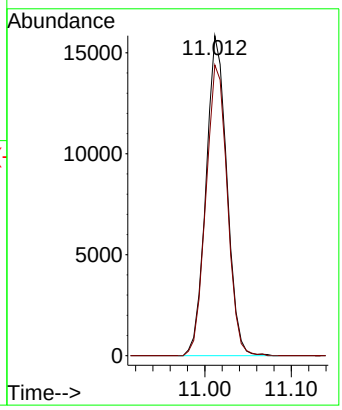


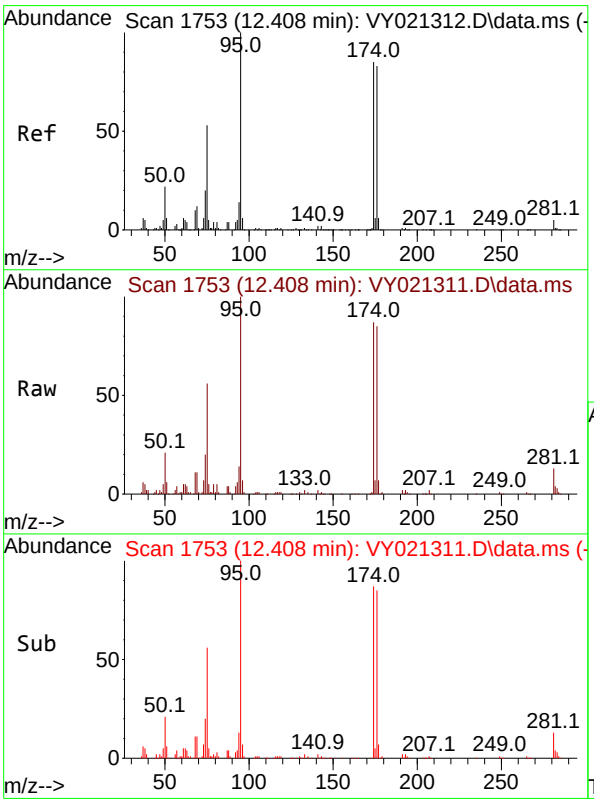

#61
1,2-Dibromoethane
Concen: 19.135 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:107 Resp: 26519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.9 | 73.8 | 110.8 |

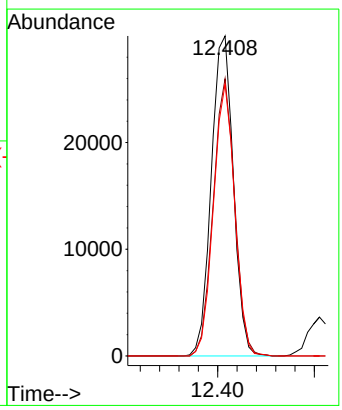


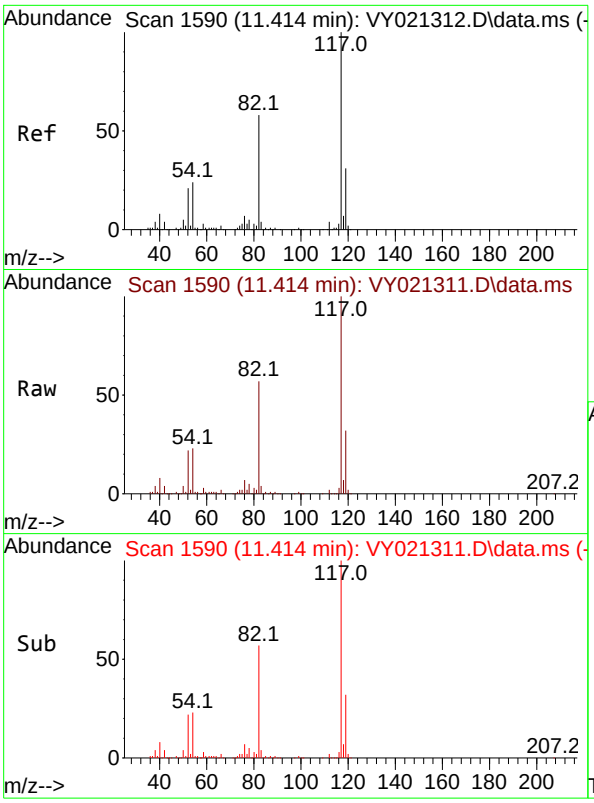




#62
4-Bromofluorobenzene
Concen: 18.950 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 95 Resp: 47417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.5 | 0.0 | 168.0 |
| 176 | 82.0 | 0.0 | 162.6 |



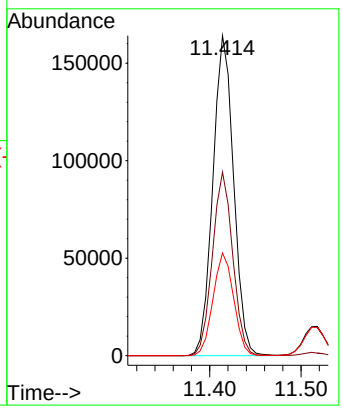


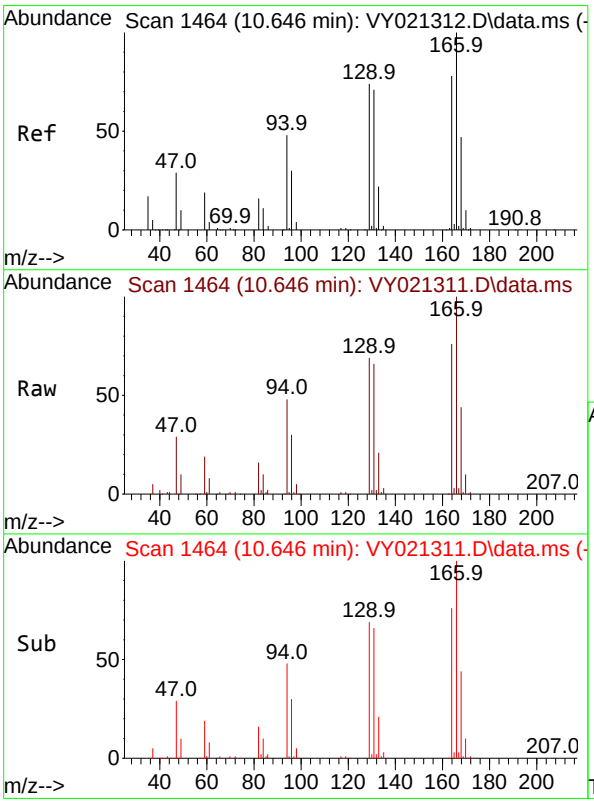

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:117 Resp: 258896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.3 | 46.2 | 69.4 |
| 119 | 32.1 | 24.9 | 37.3 |

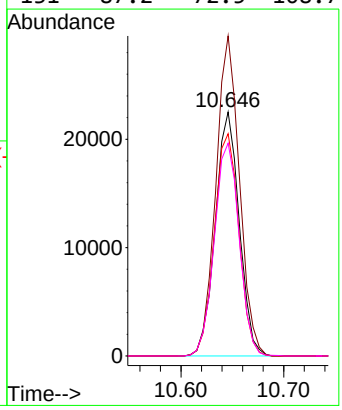


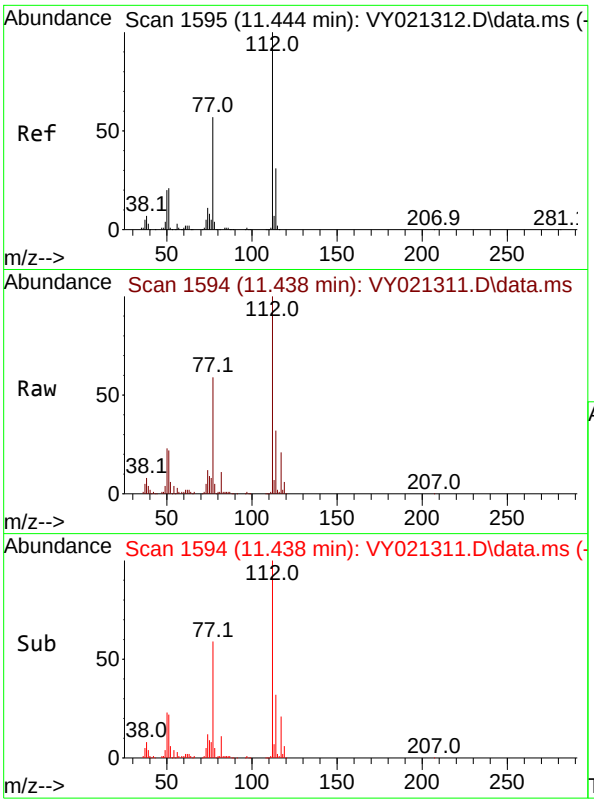




#64
Tetrachloroethene
Concen: 18.595 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:164 Resp: 36387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.1 | 101.9 | 152.9 |
| 129 | 91.1 | 75.5 | 113.3 |
| 131 | 87.2 | 72.5 | 108.7 |



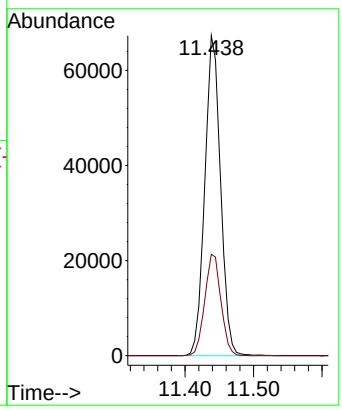


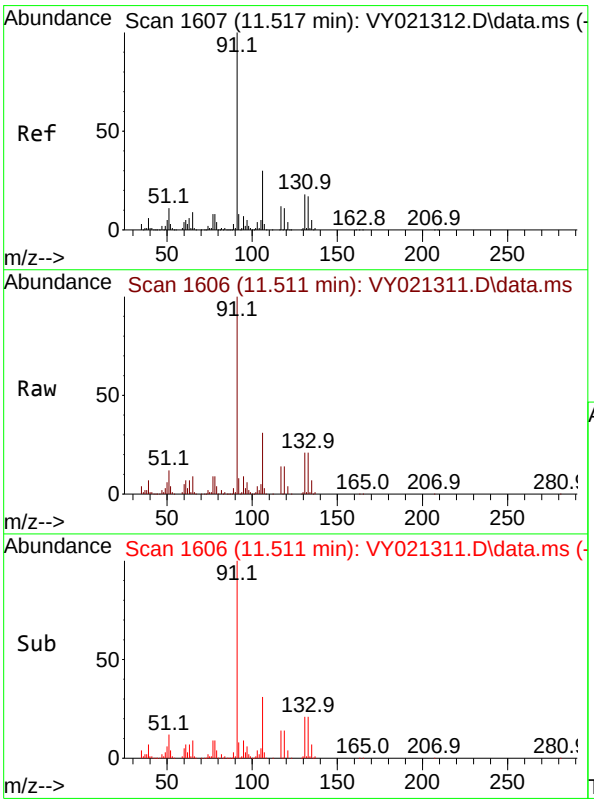

#65
Chlorobenzene
Concen: 18.519 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:112 Resp: 107621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 25.0 | 37.6 |

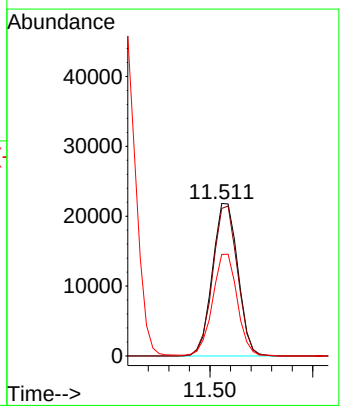


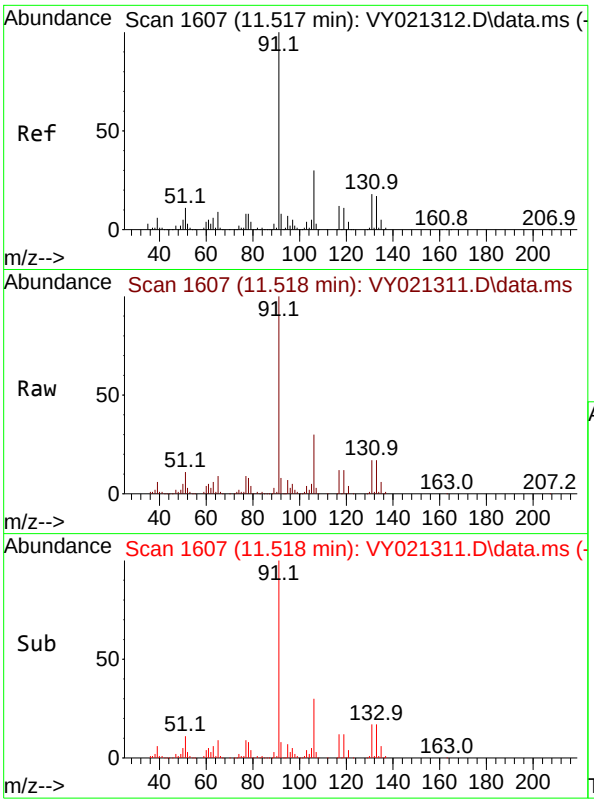




#66
1,1,1,2-Tetrachloroethane
Concen: 18.422 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:131 Resp: 37487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.3 | 47.9 | 143.6 |
| 119 | 65.1 | 31.7 | 95.1 |



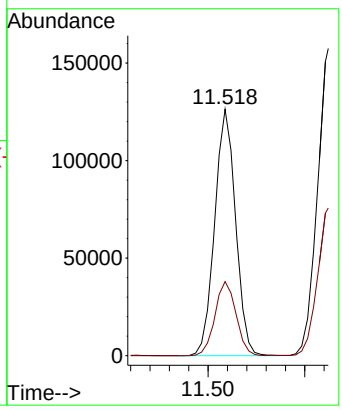


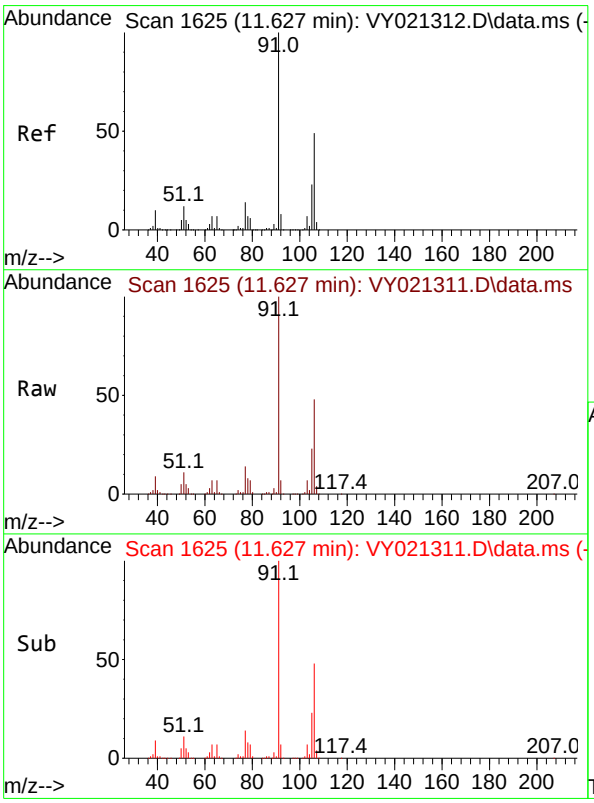

#67
Ethyl Benzene
Concen: 18.366 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 189052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.4 | 36.6 |

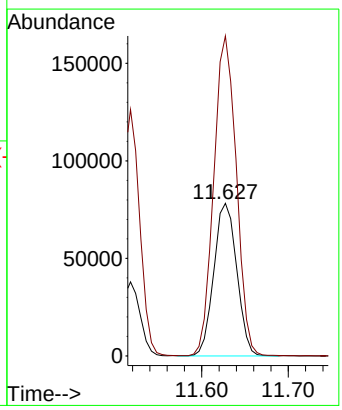


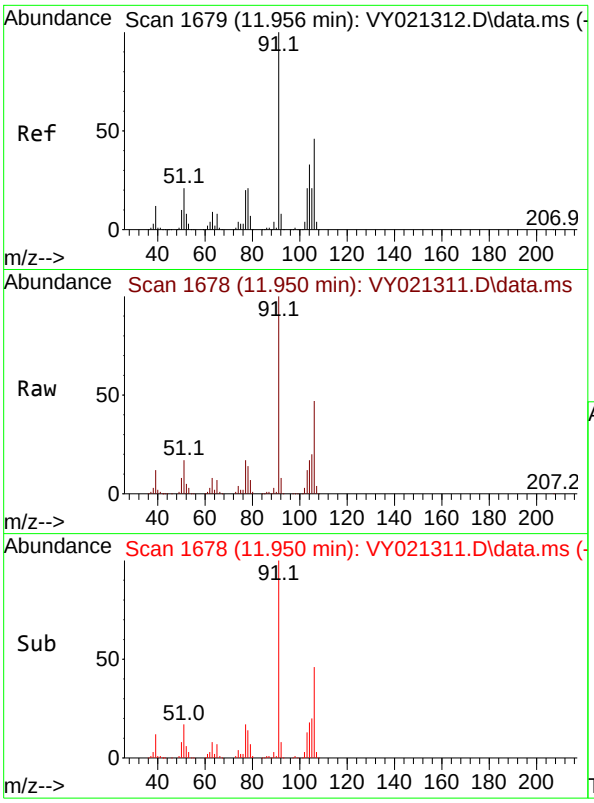




#68
m/p-Xylenes
Concen: 37.210 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 144073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.9 | 163.9 | 245.9 |



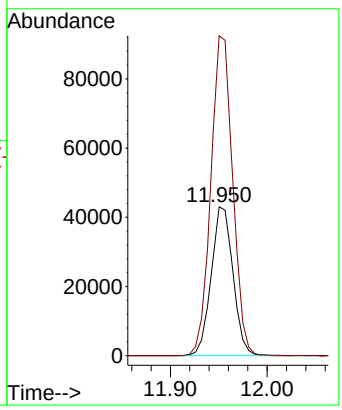


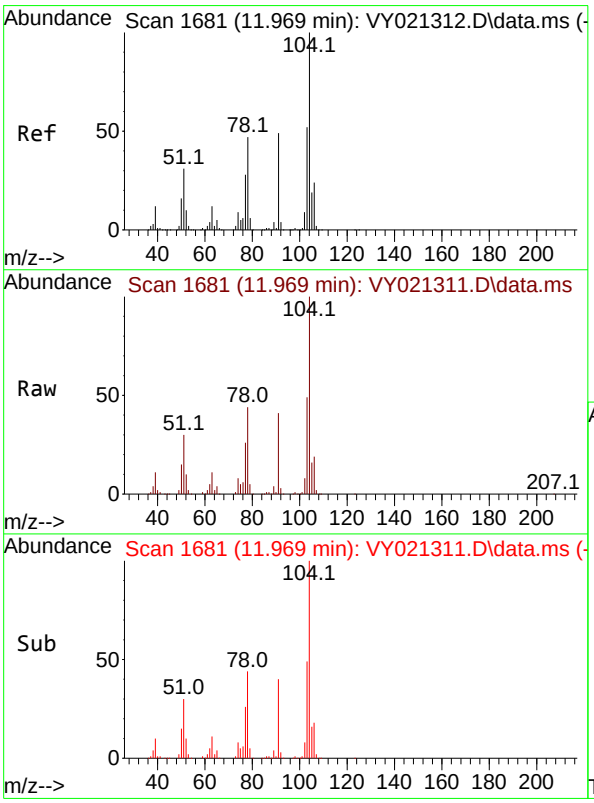

#69
o-Xylene
Concen: 18.488 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:106 Resp: 67060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.5 | 108.1 | 324.2 |

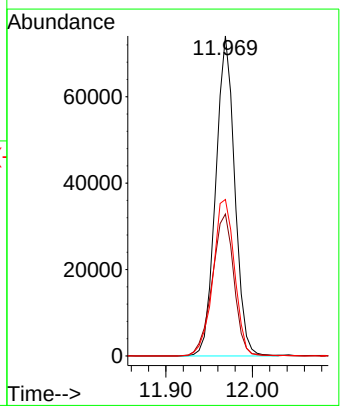


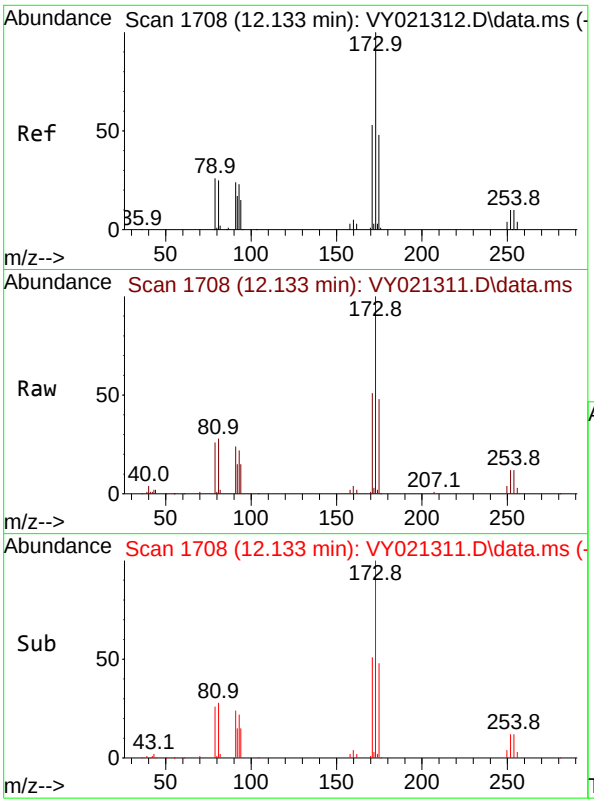




#70
Styrene
Concen: 18.729 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:104 Resp: 113033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.7 | 41.3 | 61.9 |
| 103 | 55.5 | 43.9 | 65.9 |



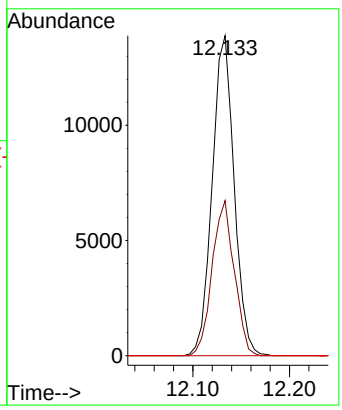


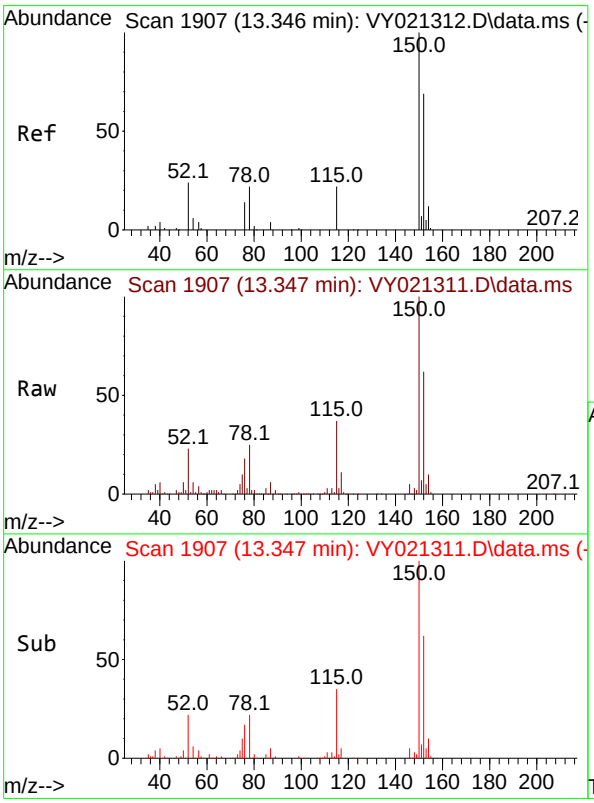

#71
Bromoform
Concen: 18.800 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:173 Resp: 21886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1# |

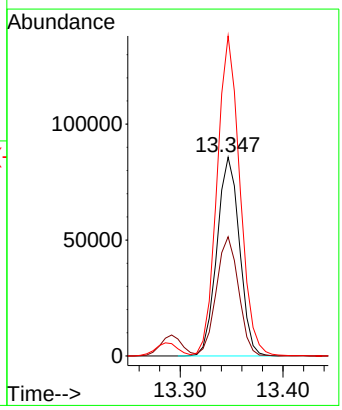


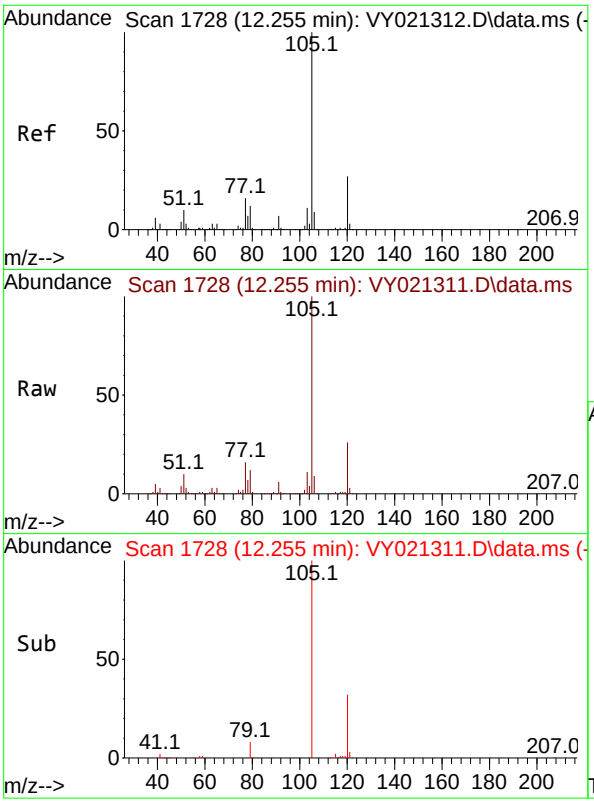




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:152 Resp: 130546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.3 | 29.3 | 88.0 |
| 150 | 163.4 | 0.0 | 347.4 |



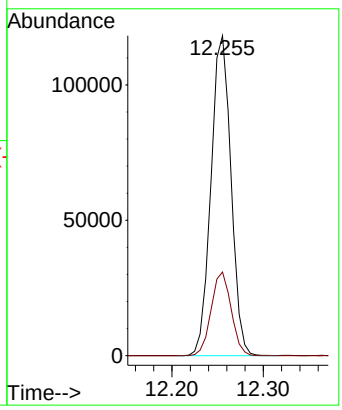


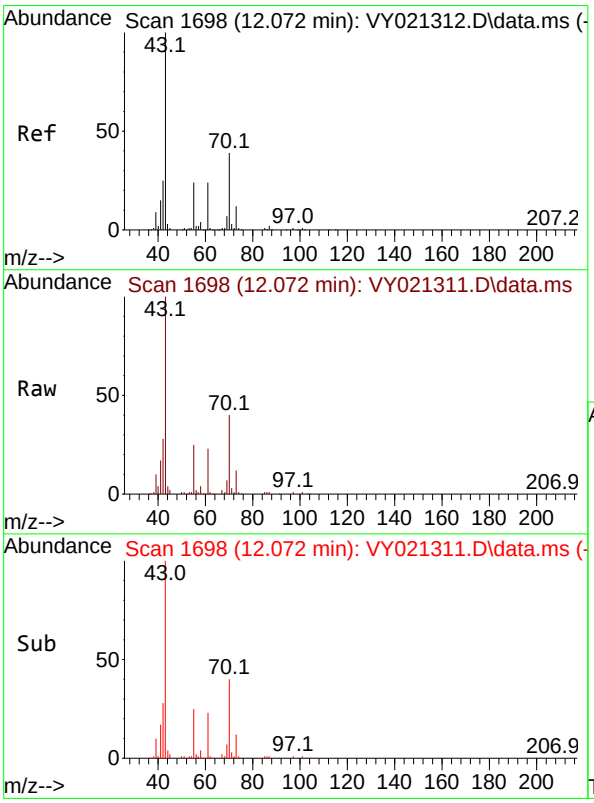

#73
Isopropylbenzene
Concen: 18.288 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 179489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 13.3 | 39.8 |

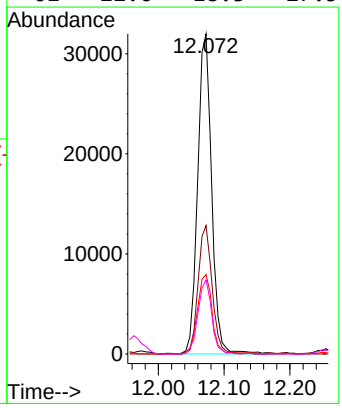


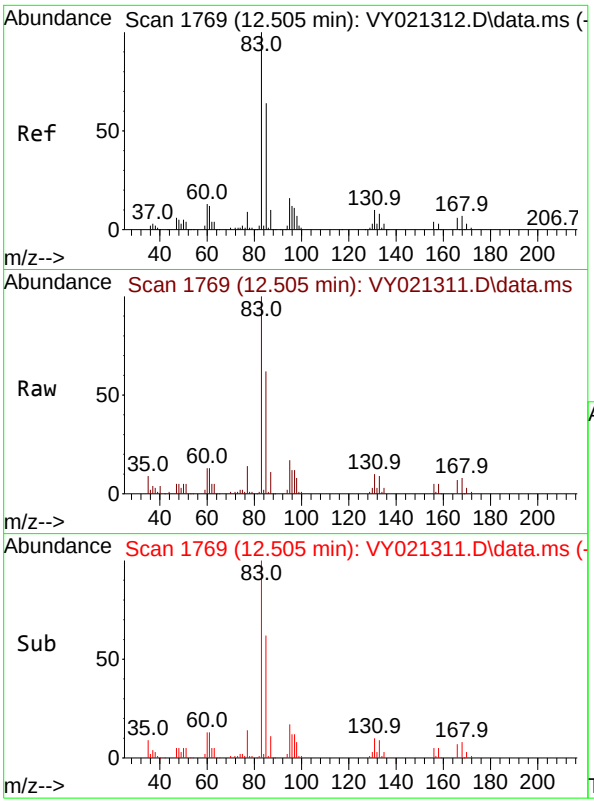




#74
N-amyl acetate
Concen: 18.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 47224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.3 | 32.2 | 48.2 |
| 55 | 25.6 | 19.6 | 29.4 |
| 61 | 22.6 | 18.3 | 27.5 |



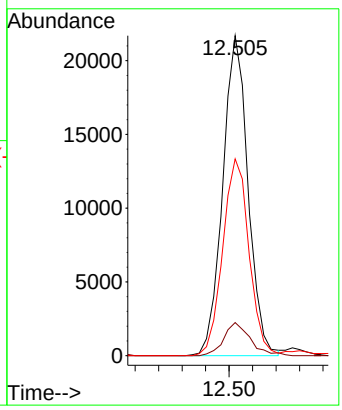


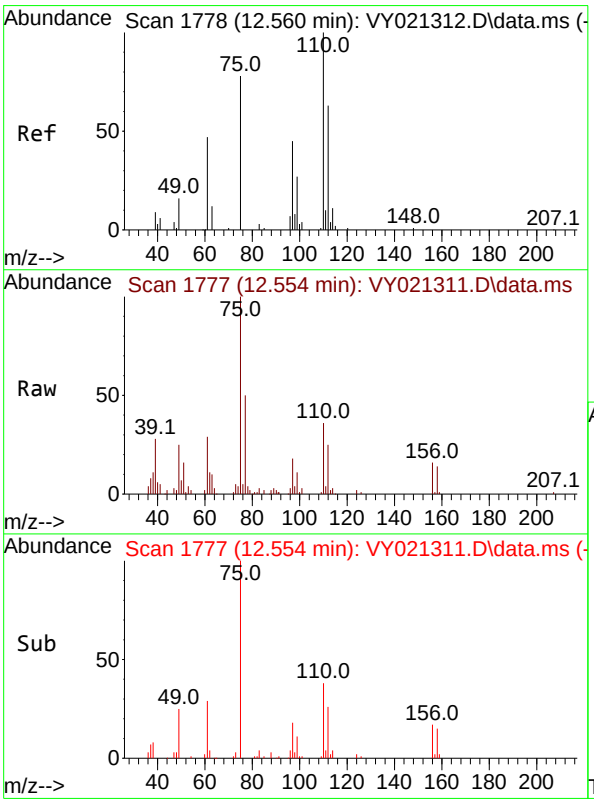

#75
1,1,2,2-Tetrachloroethane
Concen: 18.717 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 32419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 5.2 | 15.6 |
| 85 | 63.8 | 32.0 | 96.0 |

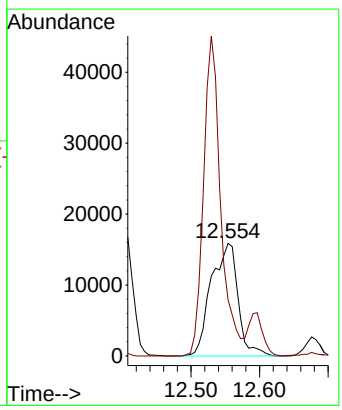


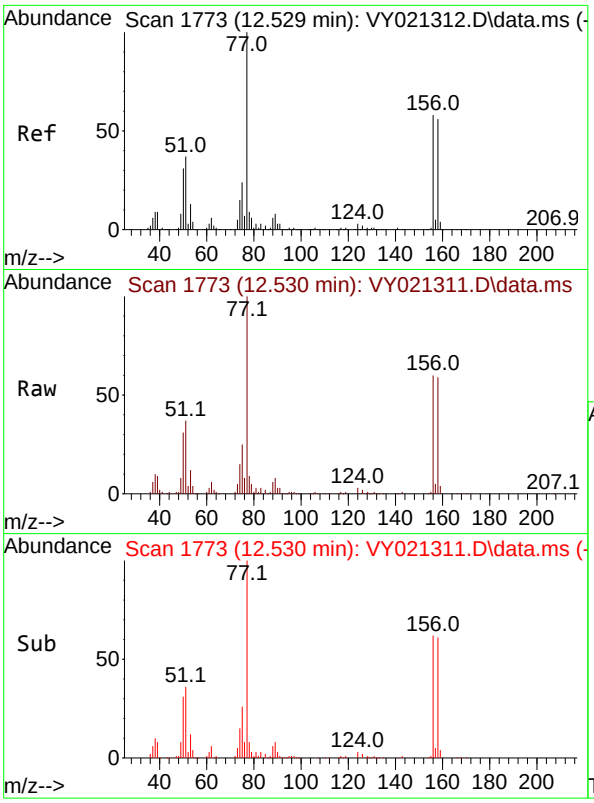




#76
1,2,3-Trichloropropane
Concen: 32.817 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 43143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



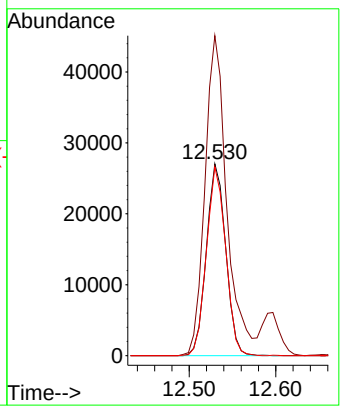


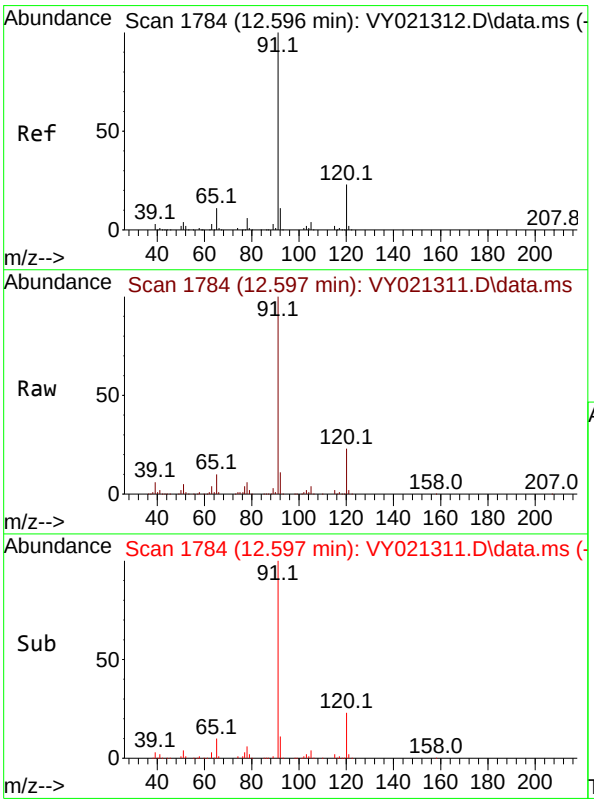

#77
Bromobenzene
Concen: 18.433 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:156 Resp: 42078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.1 | 94.0 | 282.1 |
| 158 | 97.9 | 48.7 | 146.1 |

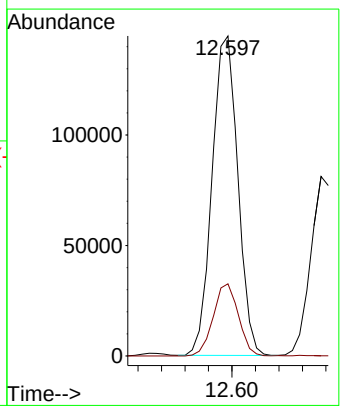


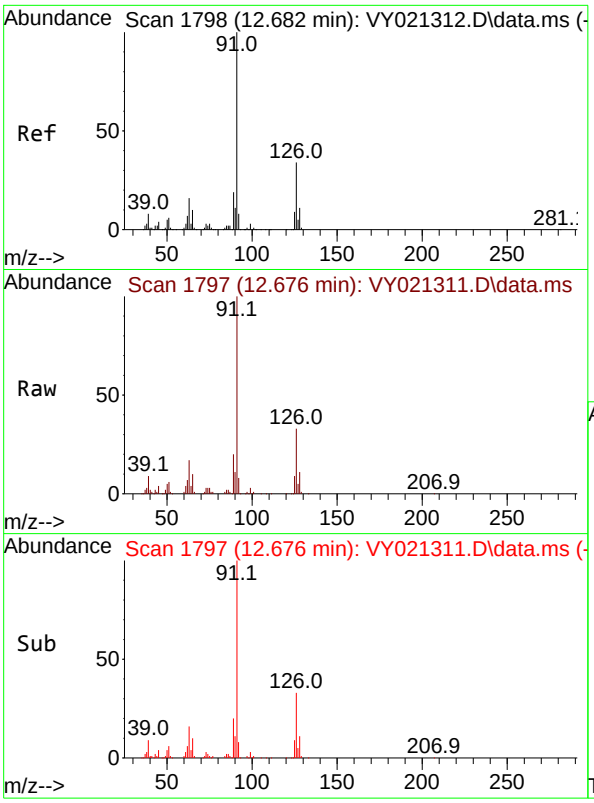




#78
n-propylbenzene
Concen: 18.486 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 220158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.2 | 33.5 |



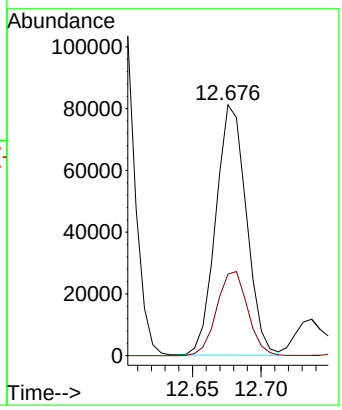


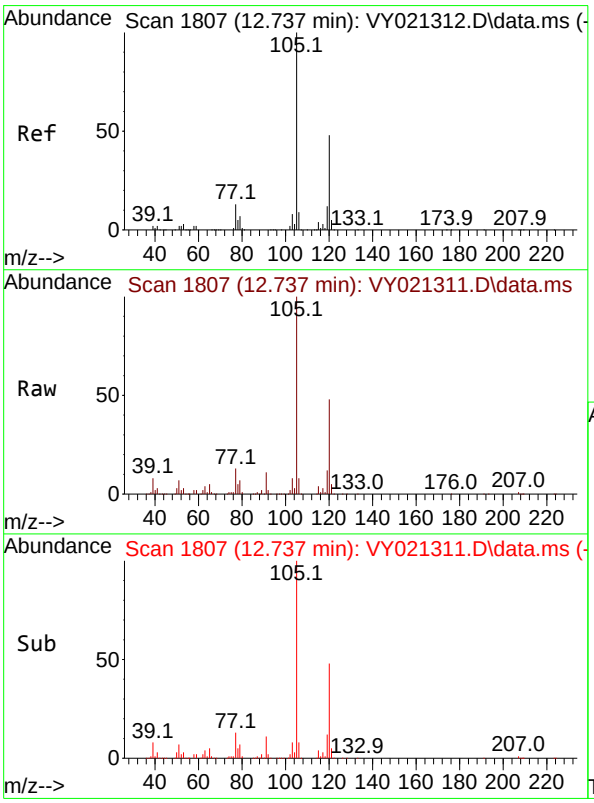

#79
2-Chlorotoluene
Concen: 18.430 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 125969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.9 | 50.6 |

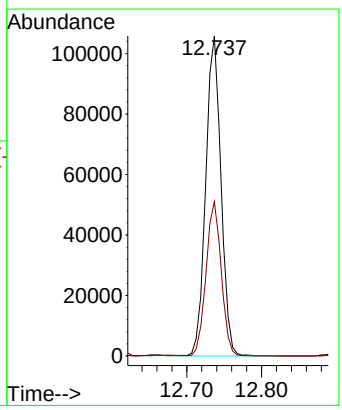


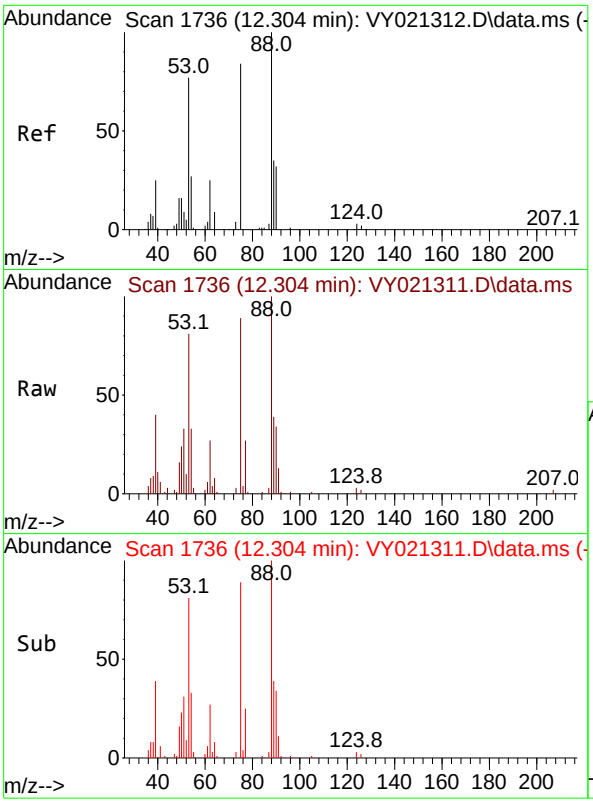




#80
1,3,5-Trimethylbenzene
Concen: 18.635 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 150004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.1 | 24.3 | 73.0 |



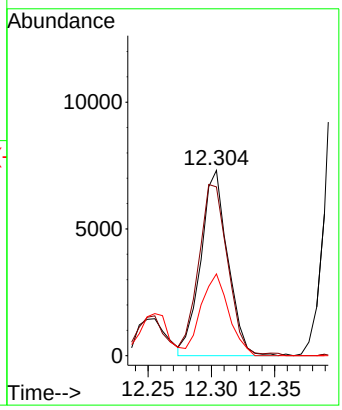


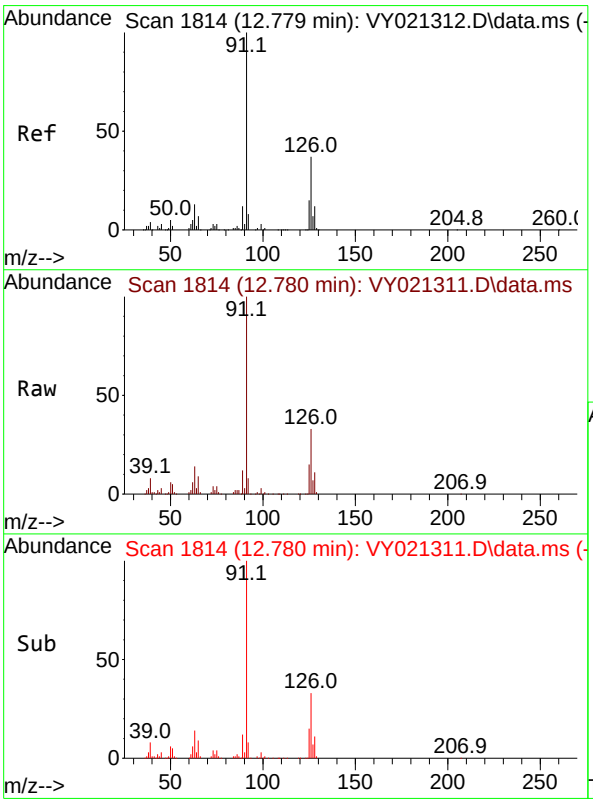

#81
trans-1,4-Dichloro-2-butene
Concen: 18.483 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 10866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 100.2 | 79.1 | 118.7 |
| 89 | 44.9 | 35.6 | 53.4 |

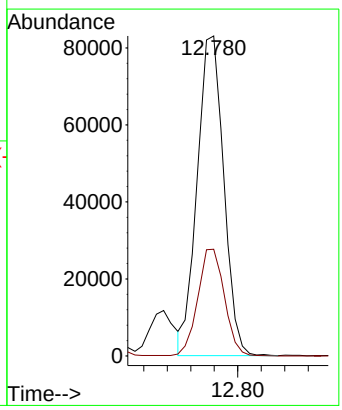


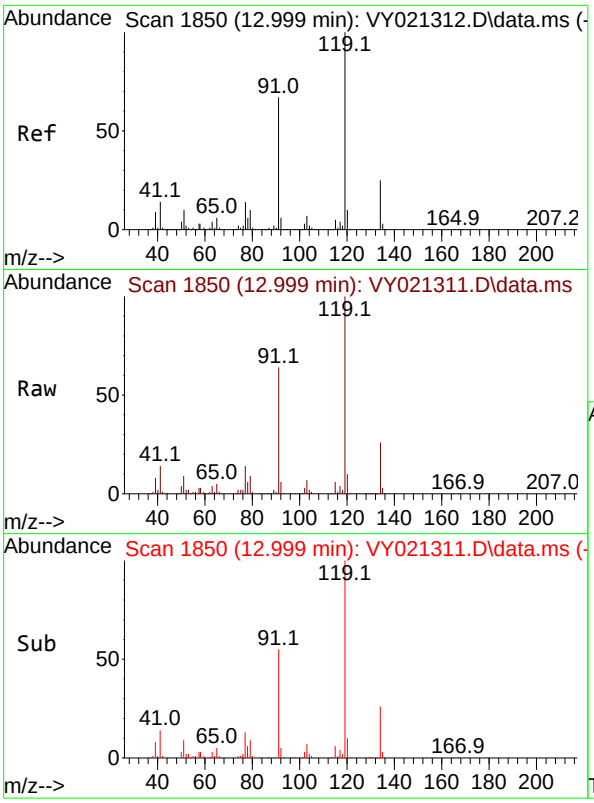




#82
4-Chlorotoluene
Concen: 18.396 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 130335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.8 | 50.4 |



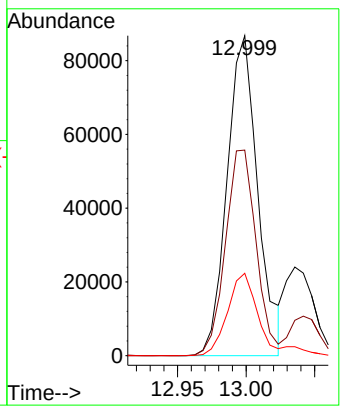


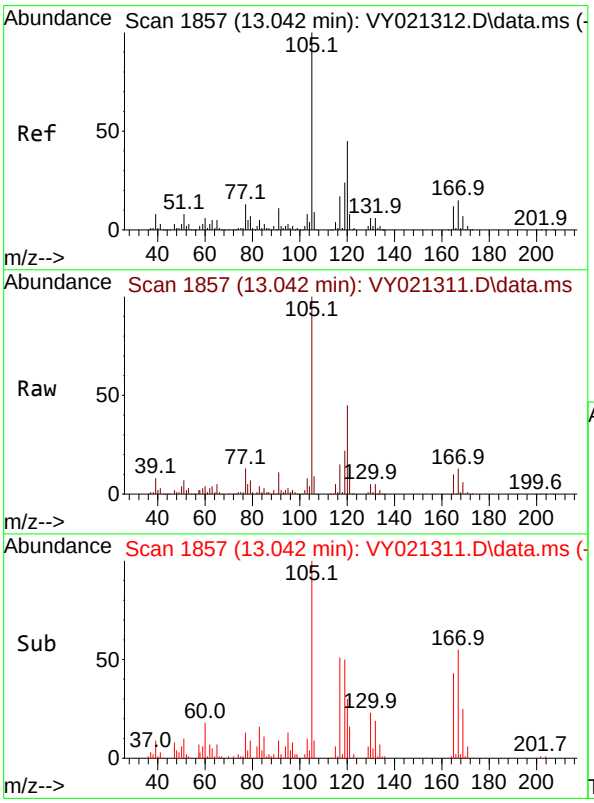

#83
tert-Butylbenzene
Concen: 18.681 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:119 Resp: 135829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.0 | 32.7 | 98.1 |
| 134 | 26.8 | 13.3 | 39.9 |

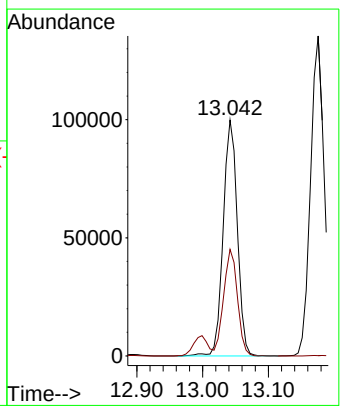


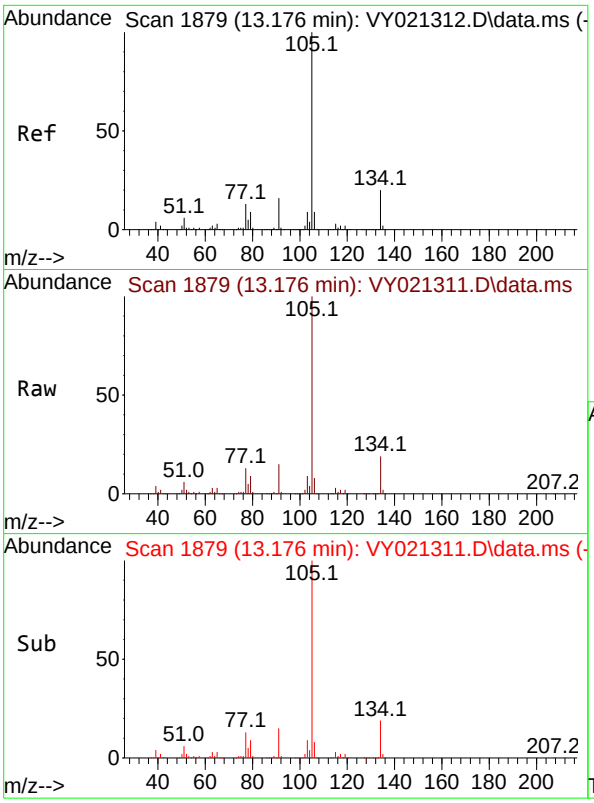




#84
1,2,4-Trimethylbenzene
Concen: 18.657 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 149358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.4 | 67.3 |



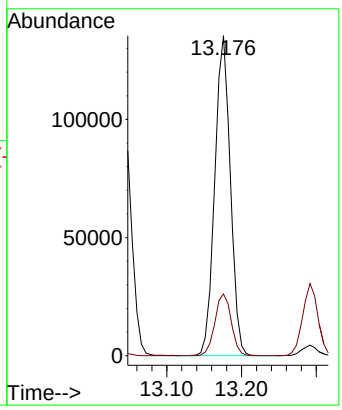


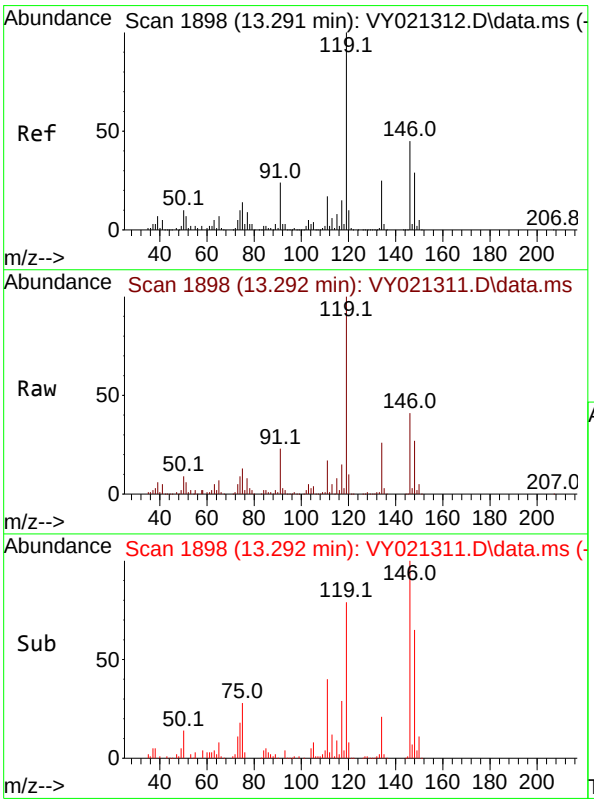

#85
sec-Butylbenzene
Concen: 18.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 196335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 10.0 | 30.0 |

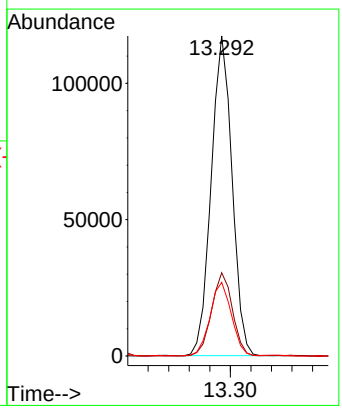


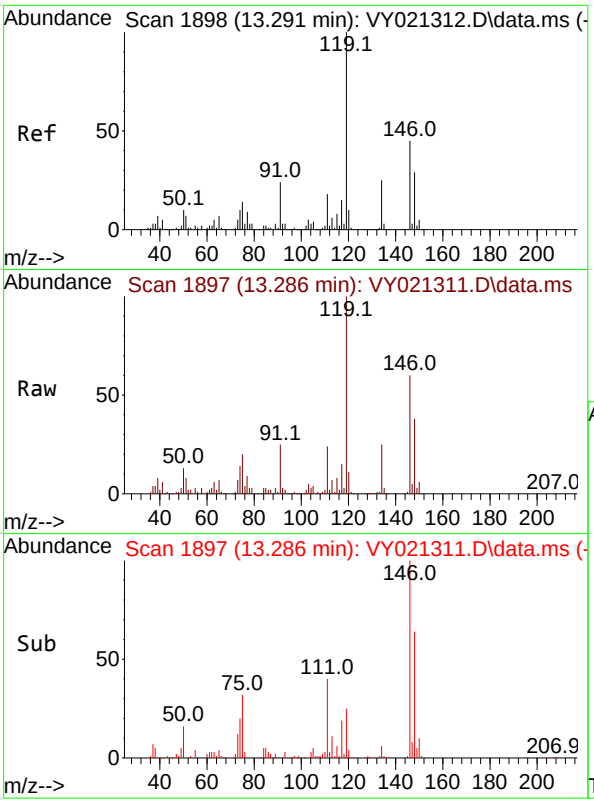




#86
p-Isopropyltoluene
Concen: 18.620 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 165127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 13.0 | 38.9 |
| 91 | 23.5 | 12.0 | 36.1 |



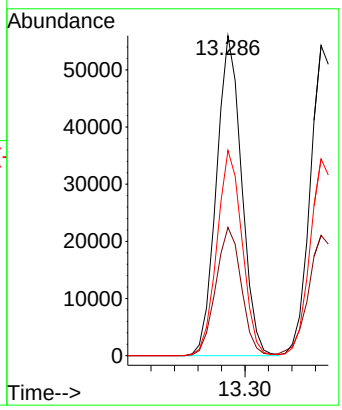


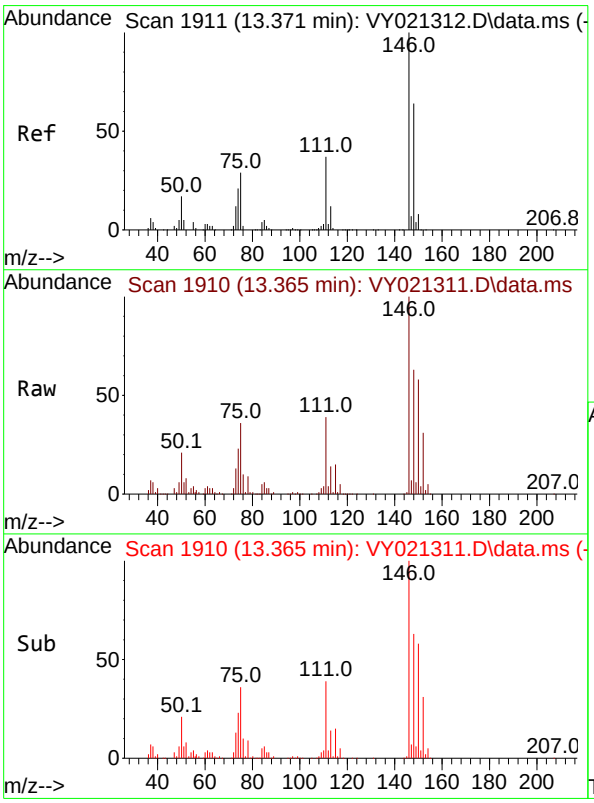

#87
1,3-Dichlorobenzene
Concen: 18.483 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 83463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.0 | 59.9 |
| 148 | 64.0 | 31.9 | 95.9 |

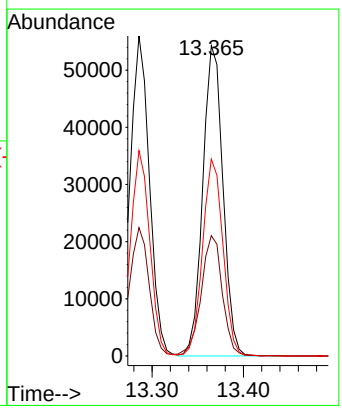


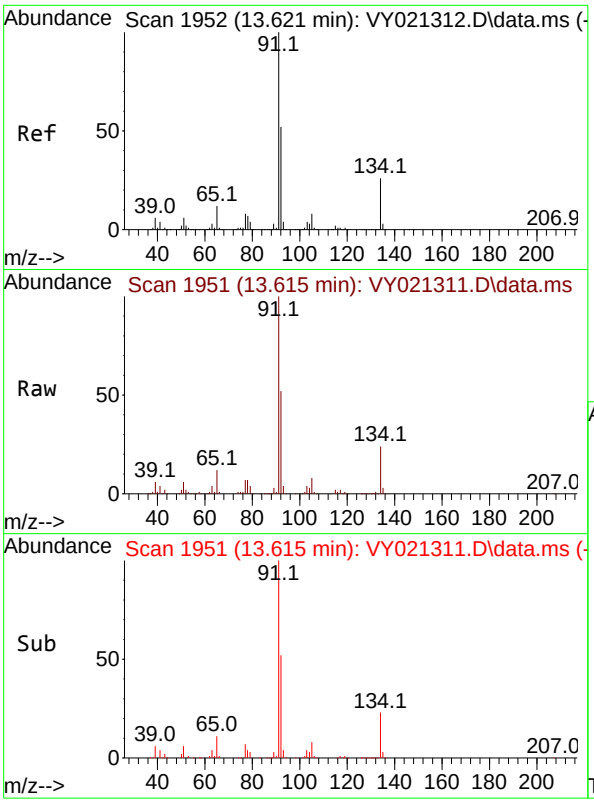




#88
1,4-Dichlorobenzene
Concen: 18.646 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 83179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 19.5 | 58.5 |
| 148 | 63.9 | 32.0 | 96.2 |



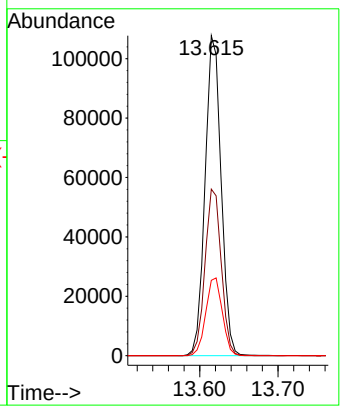


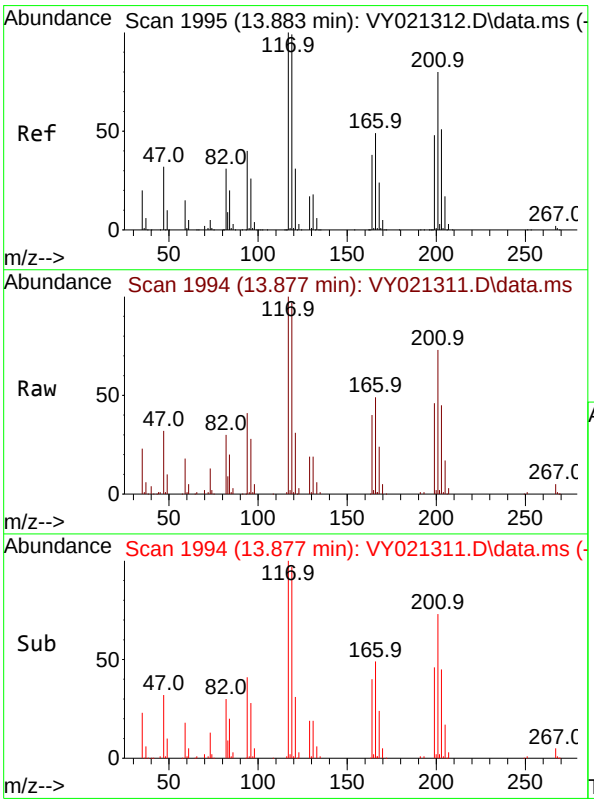

#89
n-Butylbenzene
Concen: 18.337 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 153032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 26.4 | 79.2 |
| 134 | 25.0 | 12.7 | 38.0 |

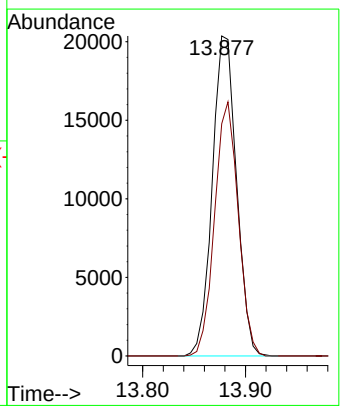


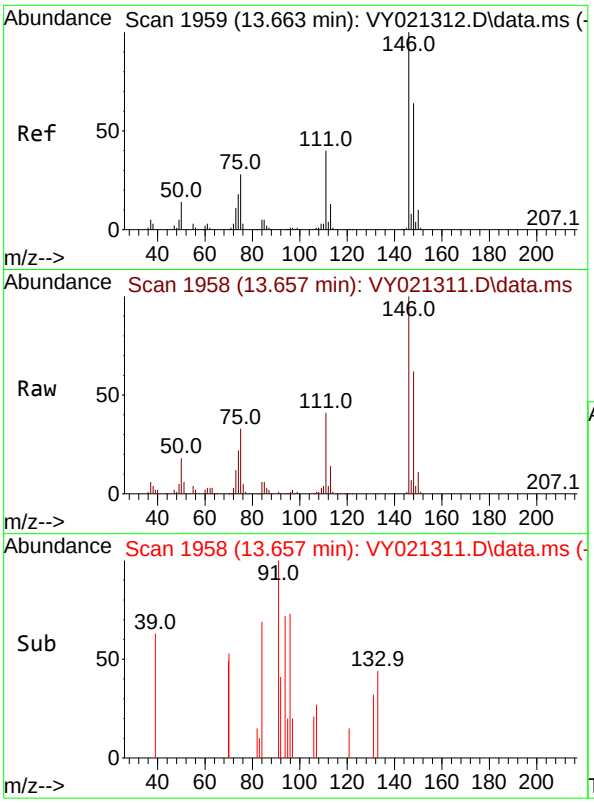




#90
Hexachloroethane
Concen: 17.998 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 33341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 77.3 | 38.4 | 115.2 |



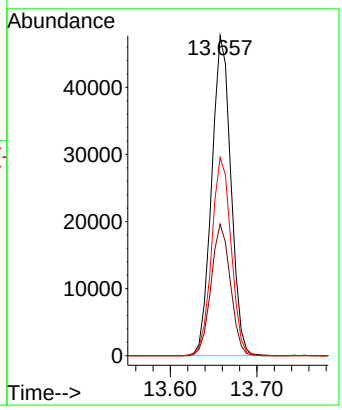


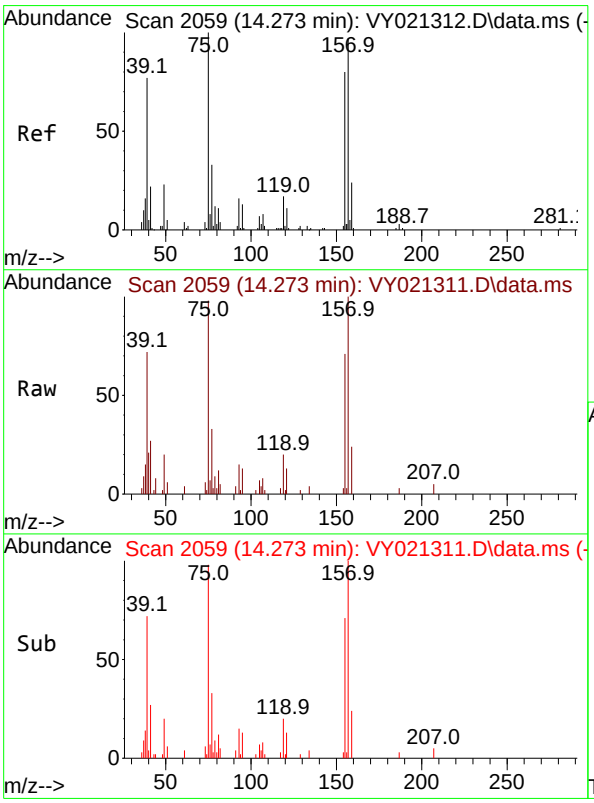

#91
1,2-Dichlorobenzene
Concen: 18.581 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 73513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.7 | 62.1 |
| 148 | 62.8 | 31.7 | 95.1 |

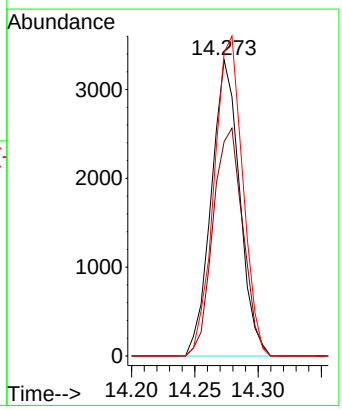


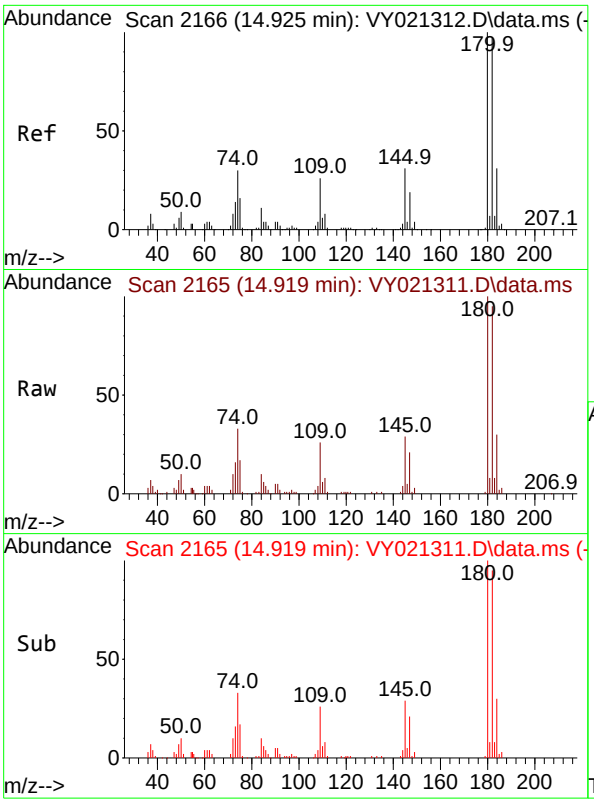




#92
1,2-Dibromo-3-Chloropropane
Concen: 18.908 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.2 | 41.9 | 125.6 |
| 157 | 109.0 | 52.5 | 157.6 |



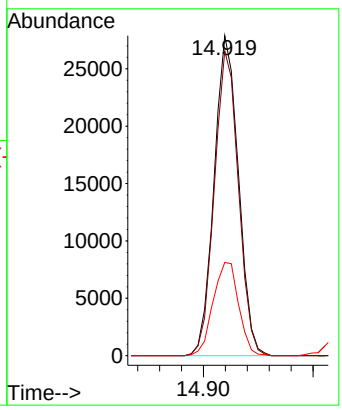


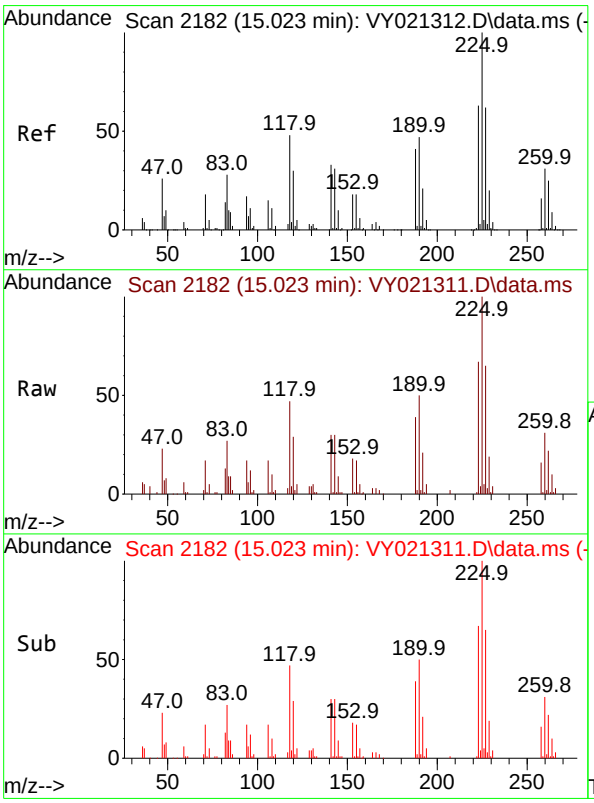

#93
1,2,4-Trichlorobenzene
Concen: 17.770 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:180 Resp: 42908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 47.9 | 143.7 |
| 145 | 30.7 | 15.6 | 46.8 |

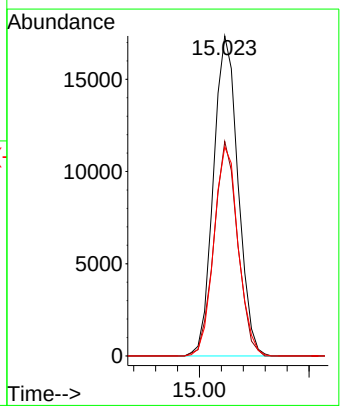


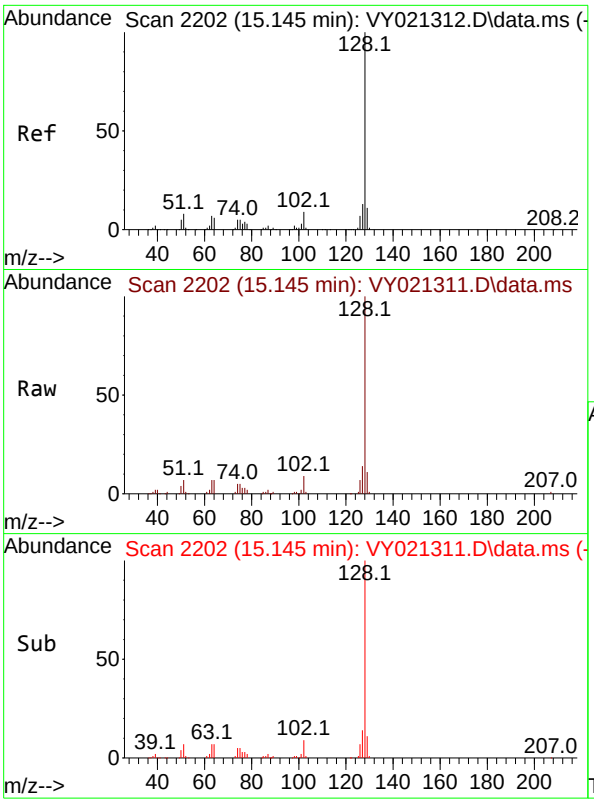




#94
Hexachlorobutadiene
Concen: 17.771 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:225 Resp: 27015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.5 | 31.8 | 95.4 |
| 227 | 64.7 | 31.9 | 95.7 |



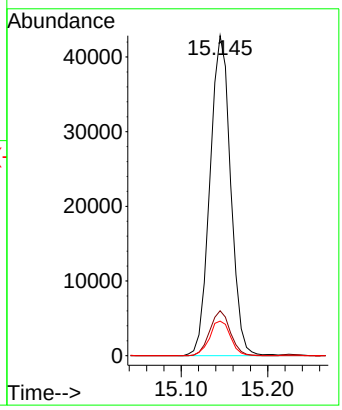


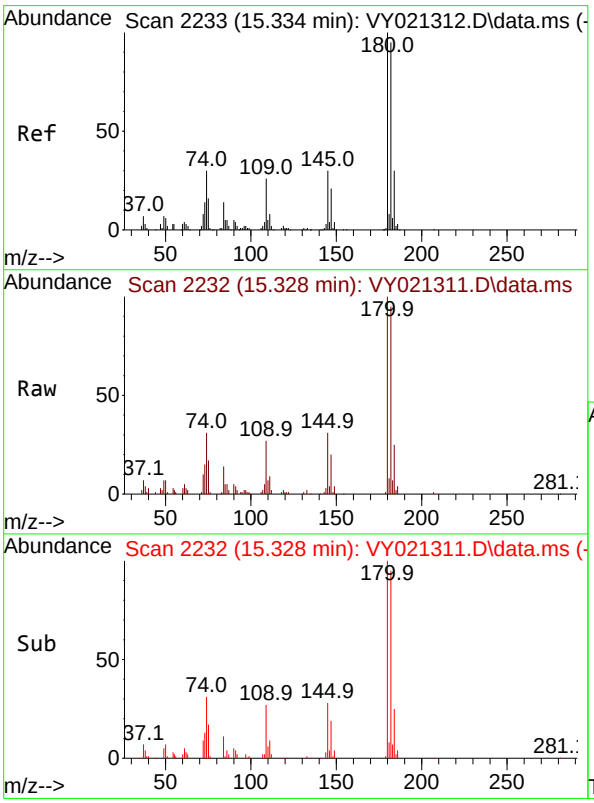

#95
Naphthalene
Concen: 17.763 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC020

Tgt Ion:128 Resp: 71044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.9 | 10.5 | 15.7 |
| 129 | 10.9 | 8.5 | 12.7 |

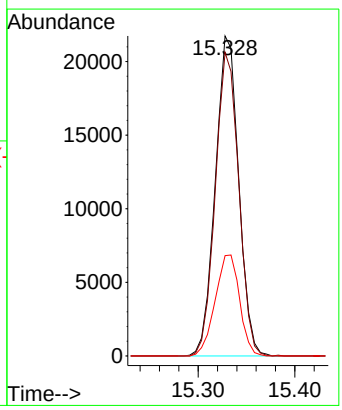



#96
1,2,3-Trichlorobenzene
Concen: 17.871 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 36460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 48.3 | 144.9 |
| 145 | 32.9 | 16.1 | 48.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 175365 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 272563 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 239724 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 121718 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 96694 | 48.606 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 97.220% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 88513 | 49.533 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 99.060% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 340929 | 49.367 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 98.740% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 115401 | 49.652 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 99.300% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 86387 | 51.957 | ug/l | 100 |
| 3) Chloromethane | 2.068 | 50 | 105626 | 49.191 | ug/l | 100 |
| 4) Vinyl Chloride | 2.202 | 62 | 109961 | 52.173 | ug/l | 100 |
| 5) Bromomethane | 2.592 | 94 | 67780 | 48.395 | ug/l | 100 |
| 6) Chloroethane | 2.732 | 64 | 68323 | 52.276 | ug/l | 100 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 164215 | 51.592 | ug/l | 100 |
| 8) Diethyl Ether | 3.452 | 74 | 50185 | 52.532 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 94197 | 51.116 | ug/l | 100 |
| 10) Methyl Iodide | 4.007 | 142 | 111673 | 57.600 | ug/l | 100 |
| 11) Tert butyl alcohol | 4.854 | 59 | 35300 | 230.691 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 90388 | 51.226 | ug/l | 100 |
| 13) Acrolein | 3.647 | 56 | 5860 | 49.975 | ug/l | 100 |
| 14) Allyl chloride | 4.385 | 41 | 162419 | 51.918 | ug/l | 100 |
| 15) Acrylonitrile | 5.055 | 53 | 111677 | 264.397 | ug/l | 100 |
| 16) Acetone | 3.866 | 43 | 111923 | 293.294 | ug/l | 100 |
| 17) Carbon Disulfide | 4.104 | 76 | 304042 | 51.892 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 48368 | 51.864 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 247280 | 53.043 | ug/l | 100 |
| 20) Methylene Chloride | 4.610 | 84 | 102592 | 49.716 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 100568 | 51.774 | ug/l | 100 |
| 22) Diisopropyl ether | 6.012 | 45 | 343920 | 53.126 | ug/l | 100 |
| 23) Vinyl Acetate | 5.957 | 43 | 1041767 | 269.294 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 189943 | 52.057 | ug/l | 100 |
| 25) 2-Butanone | 6.890 | 43 | 160248 | 278.240 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 170469 | 51.489 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.884 | 96 | 116627 | 52.579 | ug/l | 100 |
| 28) Bromochloromethane | 7.244 | 49 | 79678 | 49.352 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.256 | 42 | 100417 | 266.741 | ug/l | 100 |
| 30) Chloroform | 7.421 | 83 | 191980 | 51.925 | ug/l | 100 |
| 31) Cyclohexane | 7.701 | 56 | 173460 | 49.456 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 172880 | 51.372 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 140574 | 52.371 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 70184 | 52.565 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 158319 | 52.465 | ug/l | 100 |
| 39) Methylcyclohexane | 9.109 | 83 | 180496 | 53.165 | ug/l | 100 |
| 40) Benzene | 8.079 | 78 | 417798 | 52.655 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 39965 | 53.535 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 118176 | 52.494 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.195 | 43 | 139829 | 54.106 | ug/l | | 100 |
| 44) Trichloroethene | 8.865 | 130 | 104074 | 52.389 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 101166 | 52.980 | ug/l | | 100 |
| 46) Dibromomethane | 9.231 | 93 | 55365 | 53.043 | ug/l | | 100 |
| 47) Bromodichloromethane | 9.420 | 83 | 147382 | 52.957 | ug/l | | 100 |
| 48) Methyl methacrylate | 9.219 | 41 | 67406 | 55.775 | ug/l | | 100 |
| 49) 1,4-Dioxane | 9.231 | 88 | 12193 | 1050.591 | ug/l | | 100 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 364446 | 275.485 | ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 263062 | 53.367 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 140399 | 55.062 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 161021 | 53.492 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 72720 | 53.481 | ug/l | | 100 |
| 56) Ethyl methacrylate | 10.438 | 69 | 106914 | 56.904 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 127795 | 53.559 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 260718 | 289.104 | ug/l | | 100 |
| 59) 2-Hexanone | 10.761 | 43 | 249578 | 287.258 | ug/l | | 100 |
| 60) Dibromochloromethane | 10.908 | 129 | 100250 | 54.134 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 69236 | 53.783 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.646 | 164 | 93317 | 51.501 | ug/l | | 100 |
| 65) Chlorobenzene | 11.444 | 112 | 281918 | 52.390 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 99131 | 52.611 | ug/l | | 100 |
| 67) Ethyl Benzene | 11.517 | 91 | 510639 | 53.573 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 384346 | 107.204 | ug/l | | 100 |
| 69) o-Xylene | 11.956 | 106 | 181728 | 54.108 | ug/l | | 100 |
| 70) Styrene | 11.969 | 104 | 306007 | 54.760 | ug/l | | 100 |
| 71) Bromoform | 12.133 | 173 | 58860 | 54.605 | ug/l | | 100 |
| 73) Isopropylbenzene | 12.255 | 105 | 483937 | 52.885 | ug/l | | 100 |
| 74) N-amyl acetate | 12.072 | 43 | 129020 | 55.471 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 84893 | 52.566 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 112709 | 91.951 | ug/l | # | 100 |
| 77) Bromobenzene | 12.529 | 156 | 110538 | 51.935 | ug/l | | 100 |
| 78) n-propylbenzene | 12.596 | 91 | 587915 | 52.946 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 330472 | 51.857 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 395609 | 52.712 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 29649 | 54.090 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 342611 | 51.864 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 352055 | 51.930 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 395315 | 52.962 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 518094 | 52.319 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 437283 | 52.884 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 218136 | 51.811 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 213090 | 51.233 | ug/l | | 100 |
| 89) n-Butylbenzene | 13.621 | 91 | 416377 | 53.510 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 87765 | 50.814 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 191758 | 51.985 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 13782 | 53.947 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 117882 | 52.360 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 71915 | 50.738 | ug/l | | 100 |
| 95) Naphthalene | 15.145 | 128 | 209478 | 56.174 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 100312 | 52.735 | ug/l | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

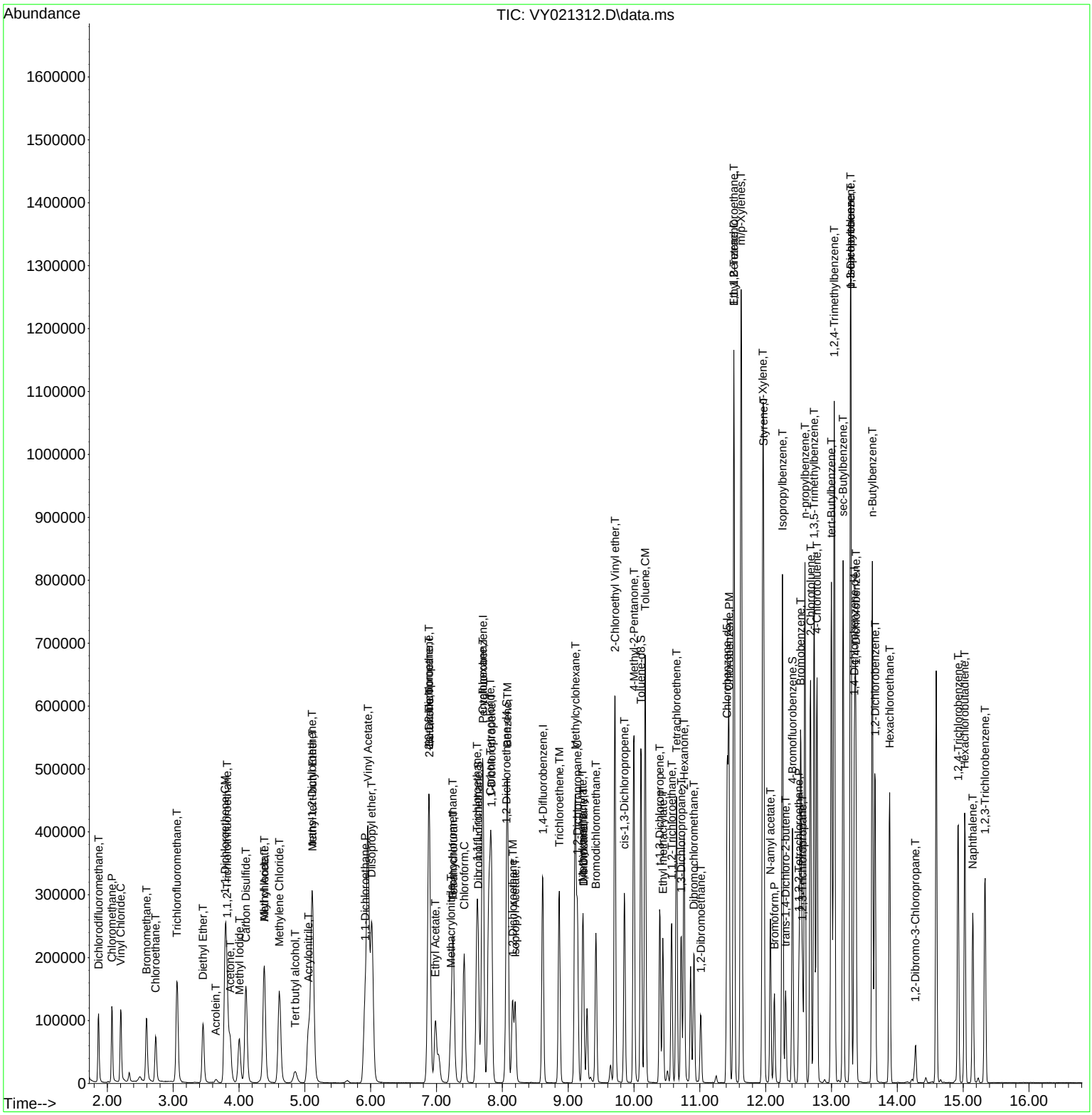
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

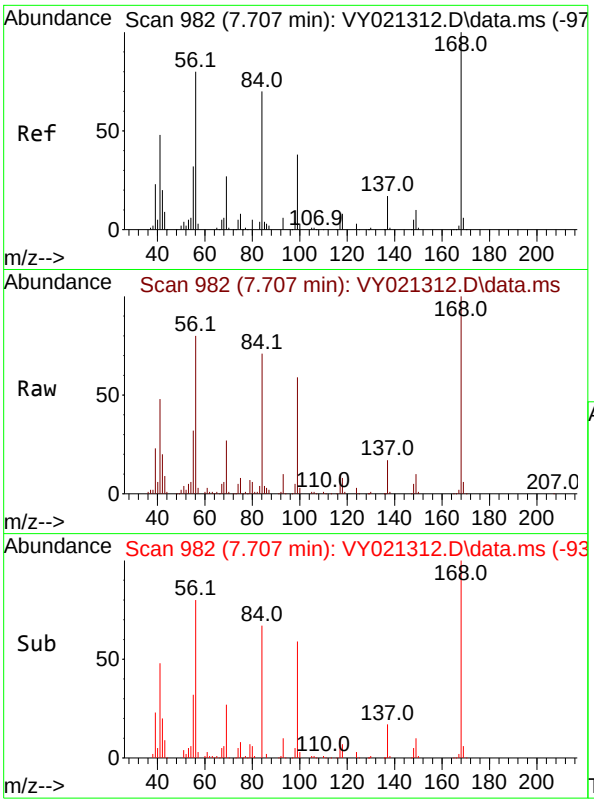
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



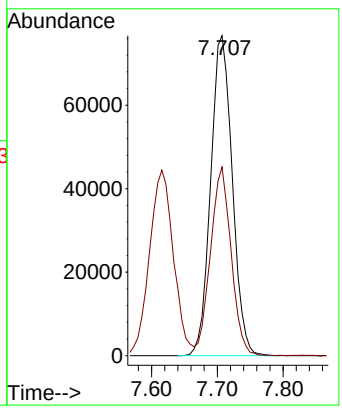


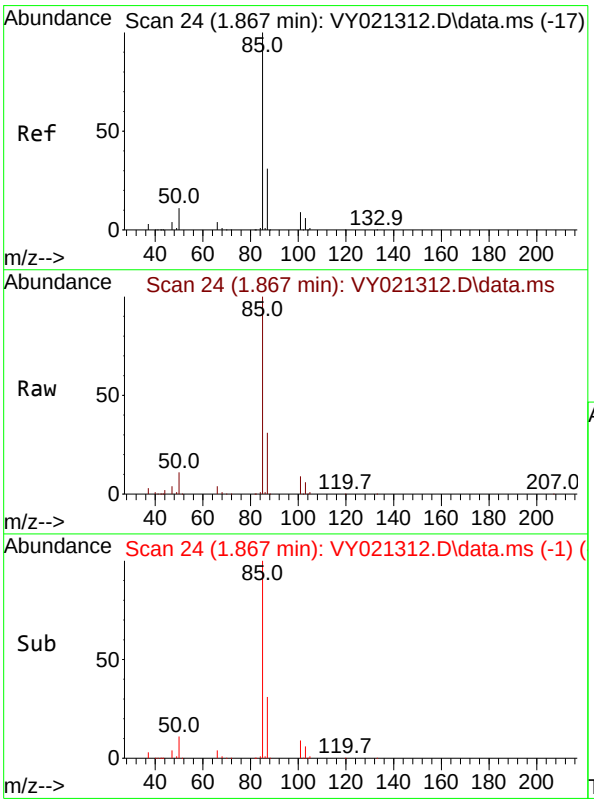

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:168 Resp: 175365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.9 | 47.1 | 70.7 |

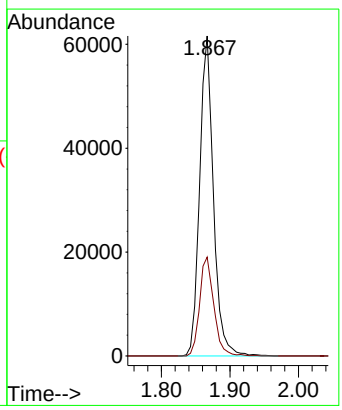


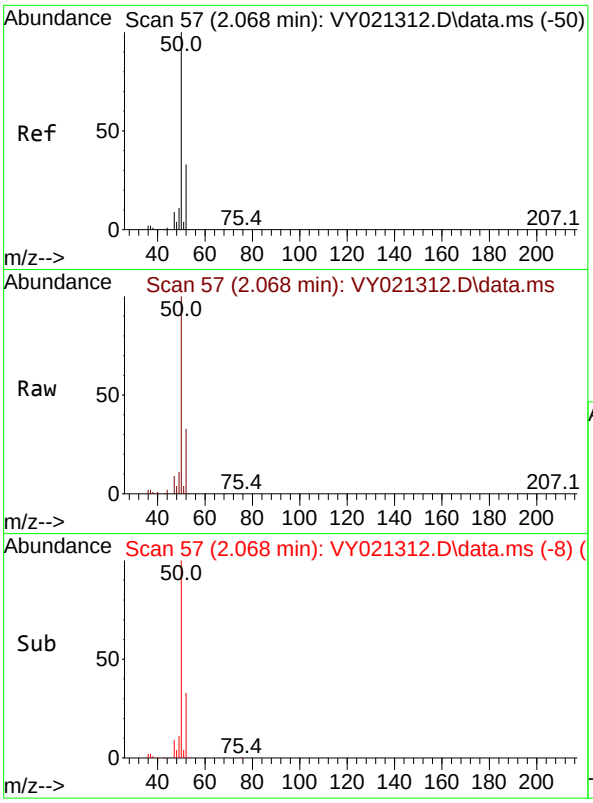




#2
Dichlorodifluoromethane
Concen: 51.957 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 85 Resp: 86387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.9 | 15.4 | 46.4 |



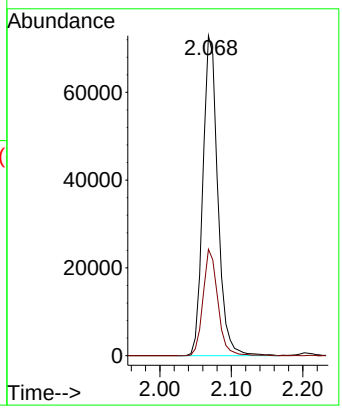


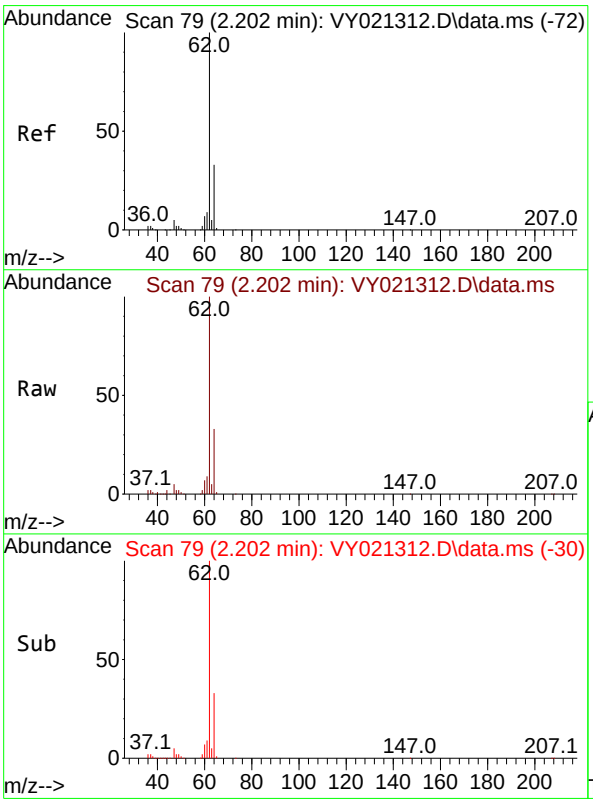

#3
Chloromethane
Concen: 49.191 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 50 Resp: 105626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.3 | 26.6 | 40.0 |

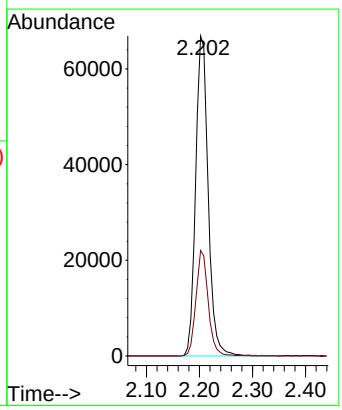


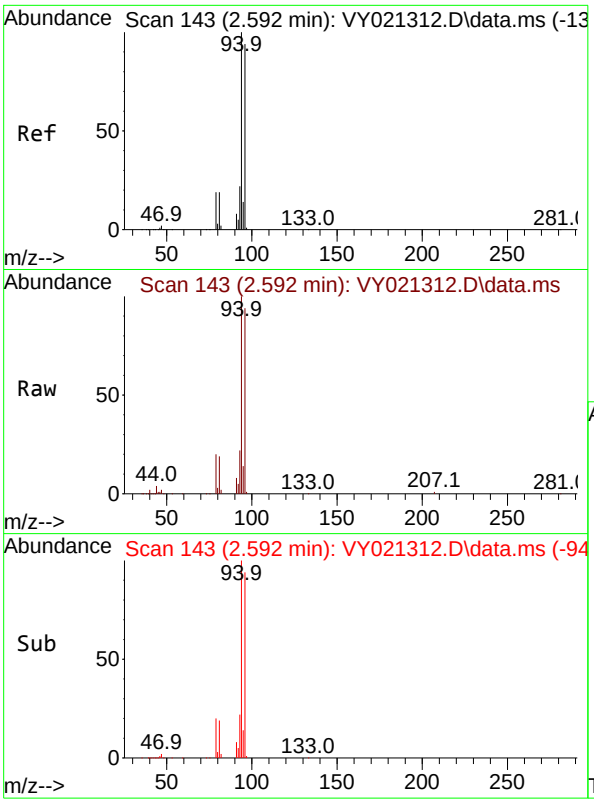




#4
Vinyl Chloride
Concen: 52.173 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 109961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.9 | 26.3 | 39.5 |



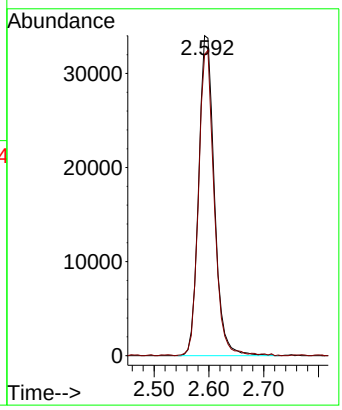


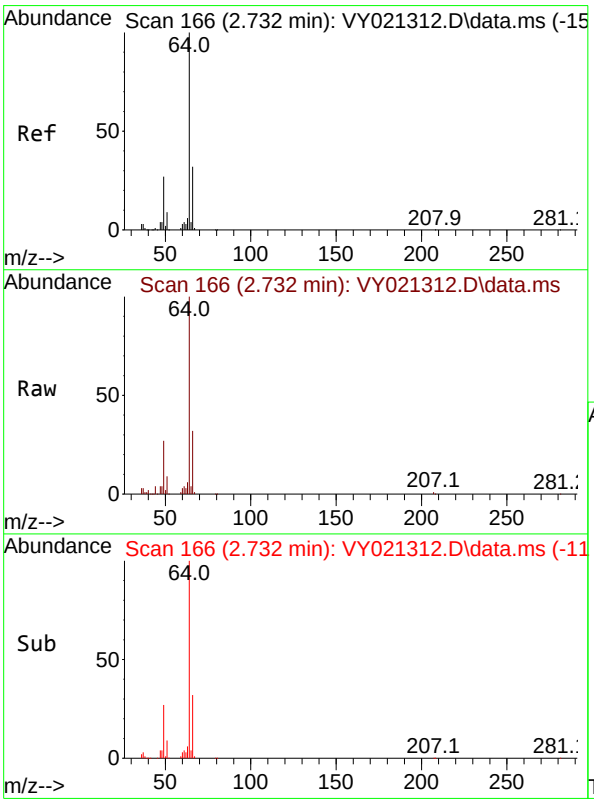

#5
Bromomethane
Concen: 48.395 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 94 Resp: 67780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.0 | 75.2 | 112.8 |

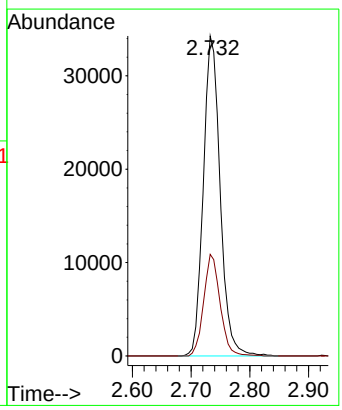


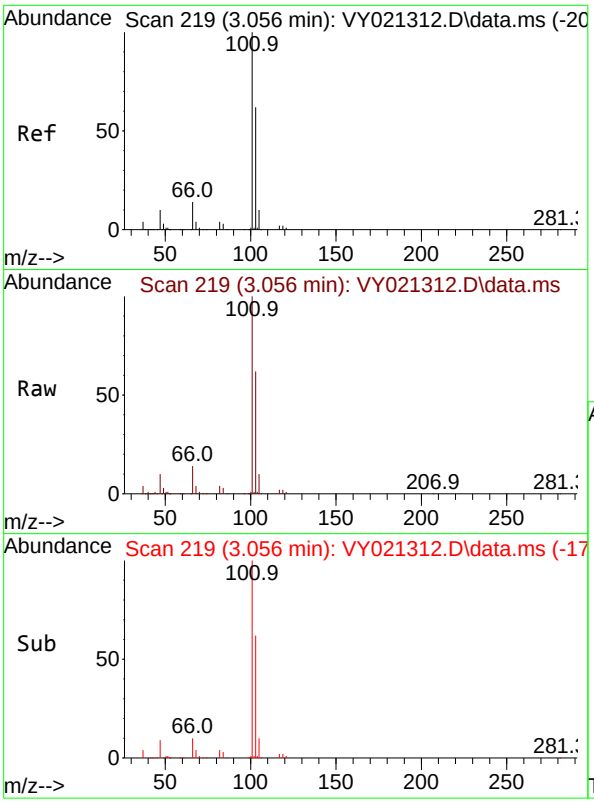




#6
Chloroethane
Concen: 52.276 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 64 Resp: 68323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.7 | 25.4 | 38.0 |



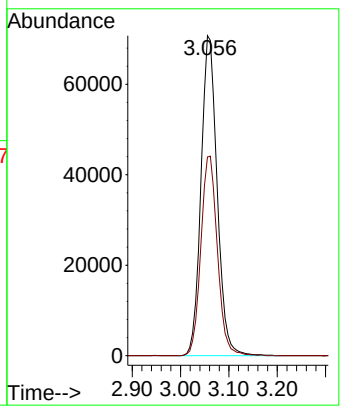


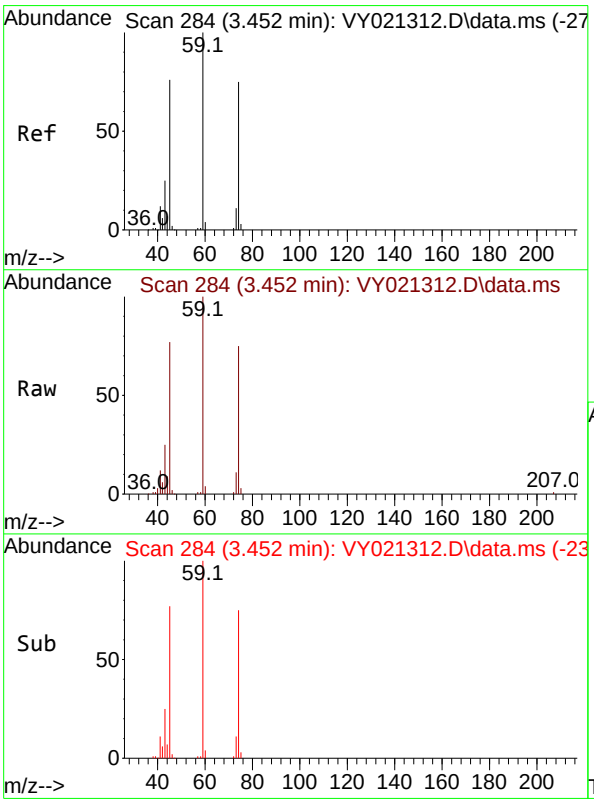

#7
Trichlorofluoromethane
Concen: 51.592 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 164215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.1 | 49.7 | 74.5 |

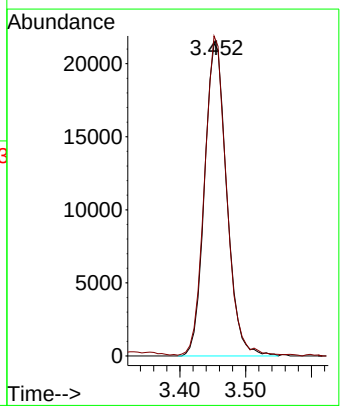


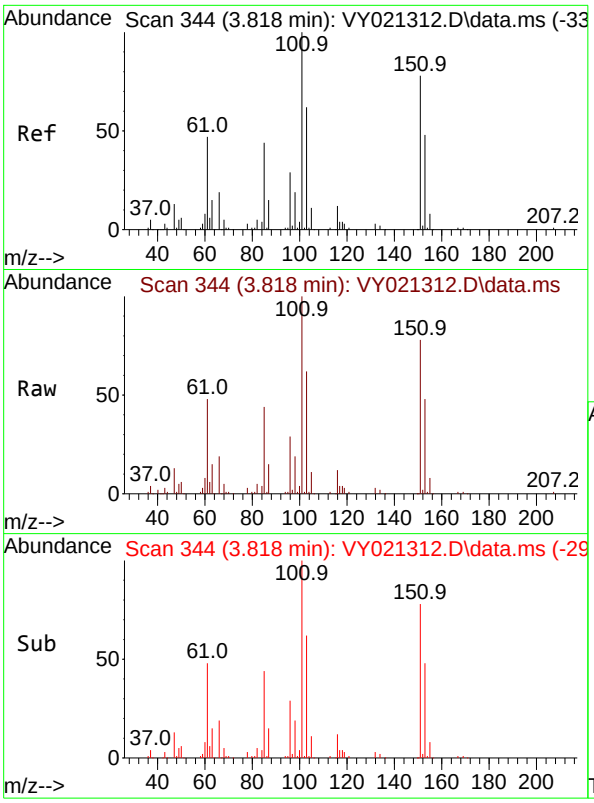




#8
Diethyl Ether
Concen: 52.532 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 74 Resp: 50185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.6 | 50.3 | 150.9 |



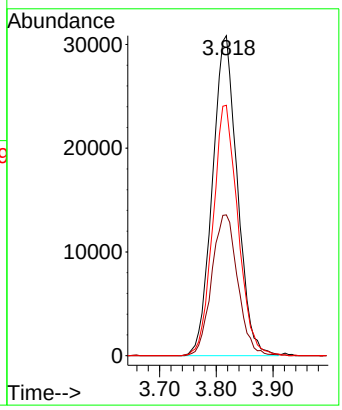


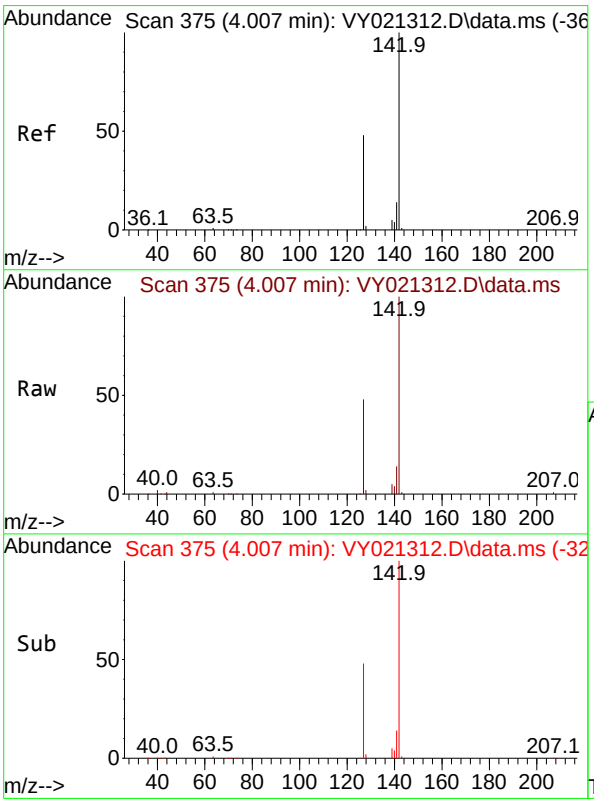

#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.116 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 94197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.9 | 36.7 | 55.1 |
| 151 | 78.3 | 62.6 | 94.0 |

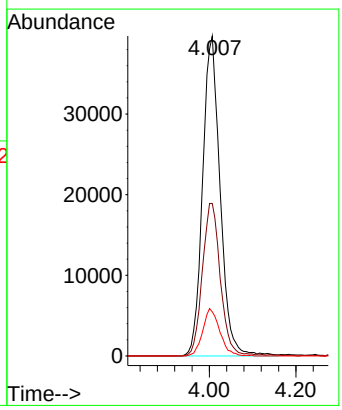


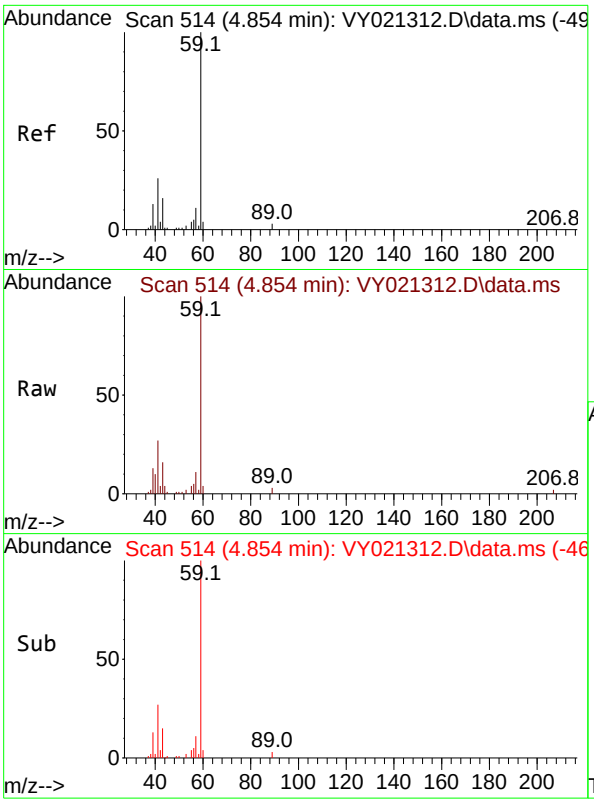




#10
Methyl Iodide
Concen: 57.600 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:142 Resp: 111673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.0 | 39.2 | 58.8 |
| 141 | 14.3 | 11.4 | 17.2 |



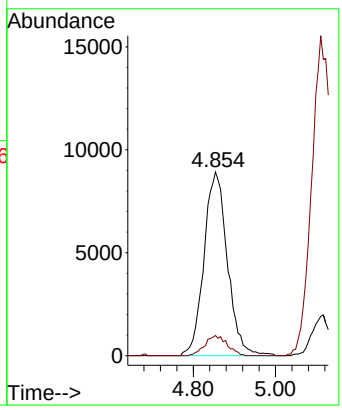


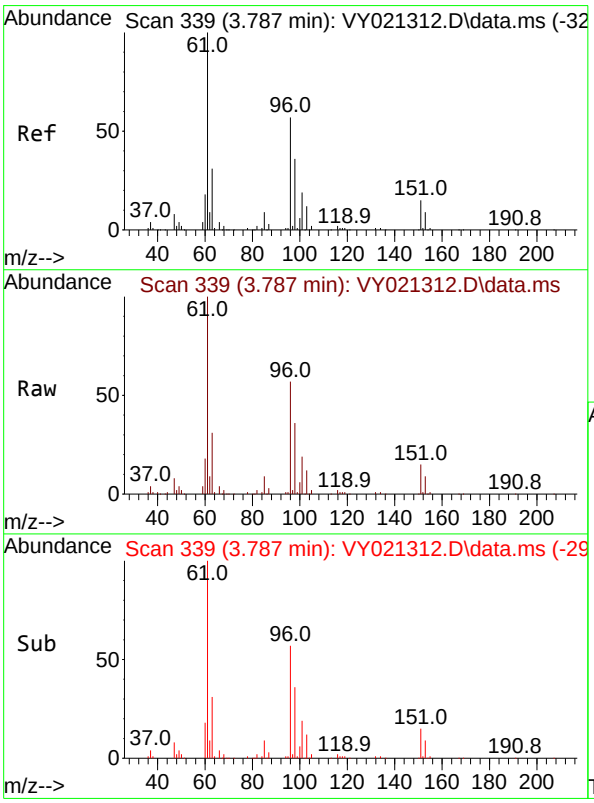

#11
Tert butyl alcohol
Concen: 230.691 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 59 Resp: 35300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |

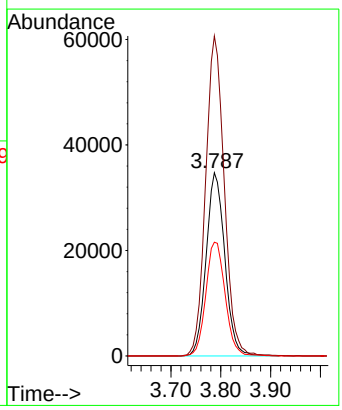


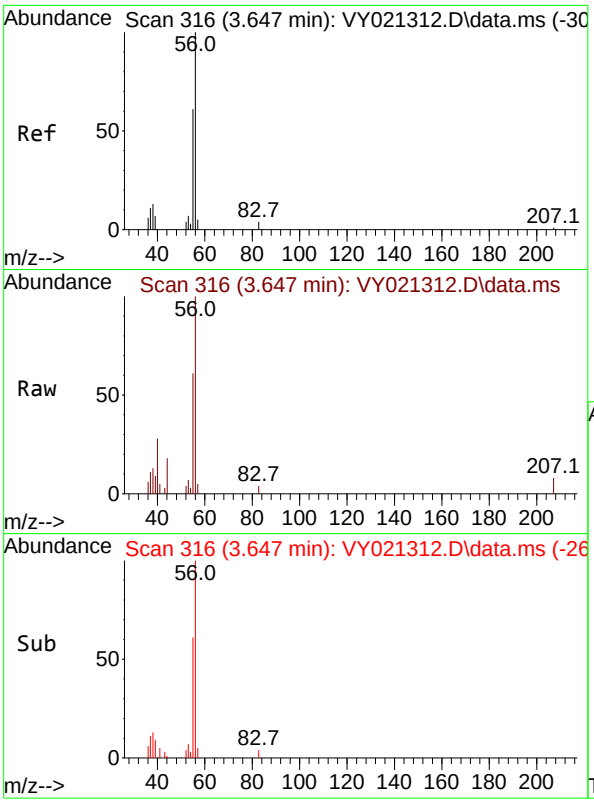




#12
1,1-Dichloroethene
Concen: 51.226 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 90388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.6 | 139.7 | 209.5 |
| 98 | 62.1 | 49.7 | 74.5 |



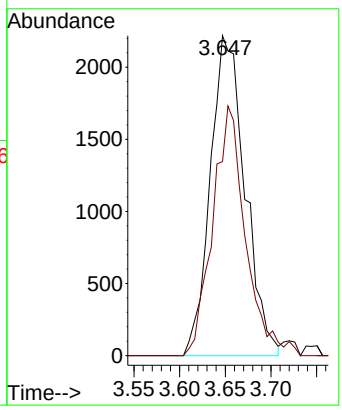


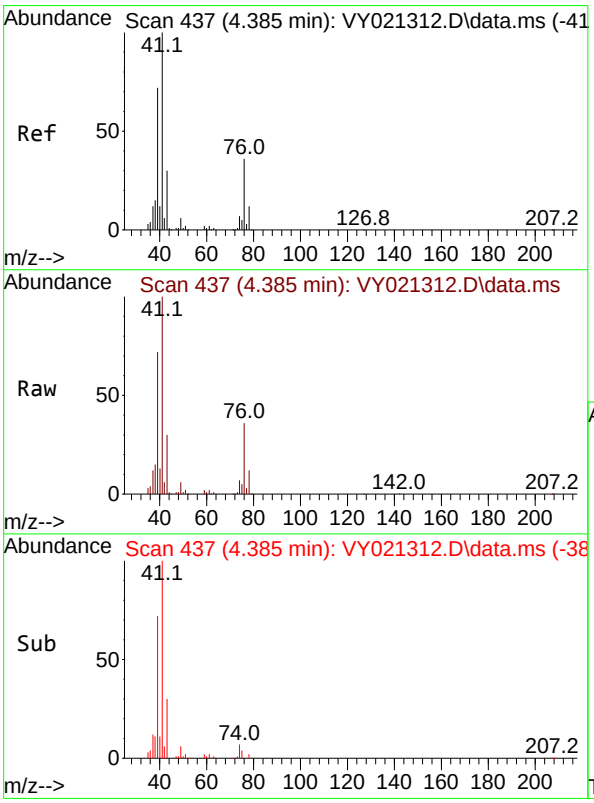

#13
Acrolein
Concen: 49.975 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 5860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.8 | 59.0 | 88.6 |

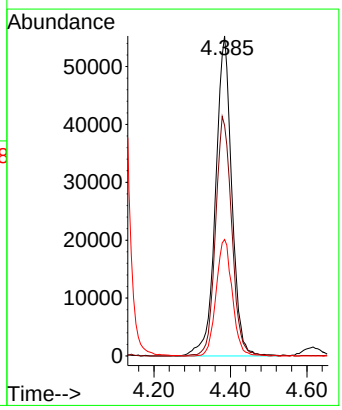


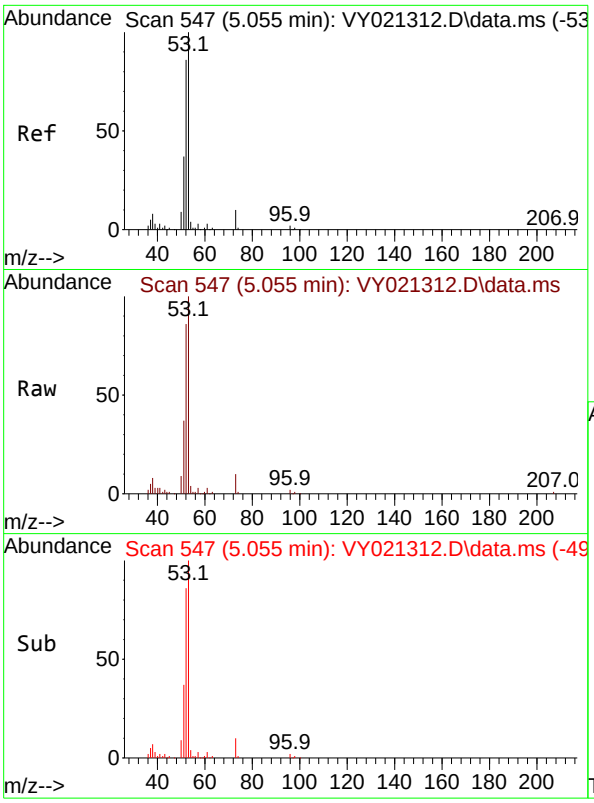




#14
Allyl chloride
Concen: 51.918 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 162419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.0 | 60.0 | 90.0 |
| 76 | 36.3 | 29.0 | 43.6 |



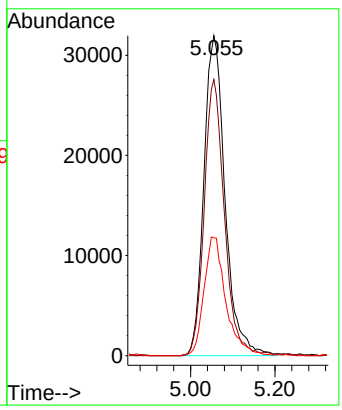


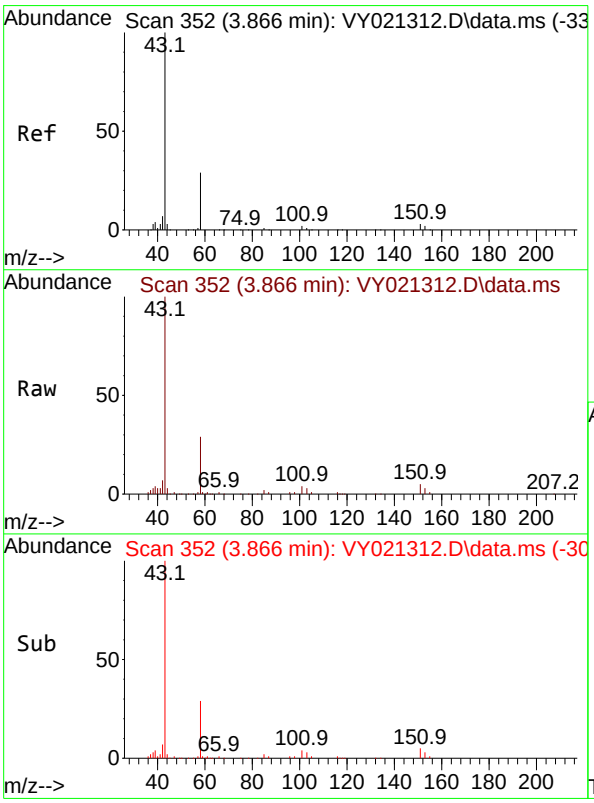

#15
Acrylonitrile
Concen: 264.397 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 53 Resp: 111677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.9 | 65.5 | 98.3 |
| 51 | 38.3 | 30.6 | 46.0 |

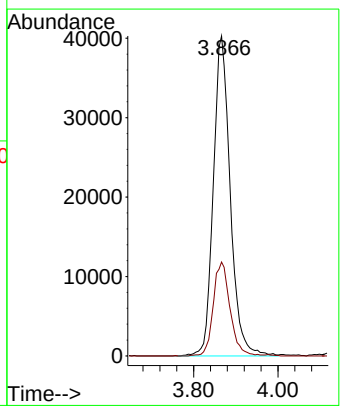


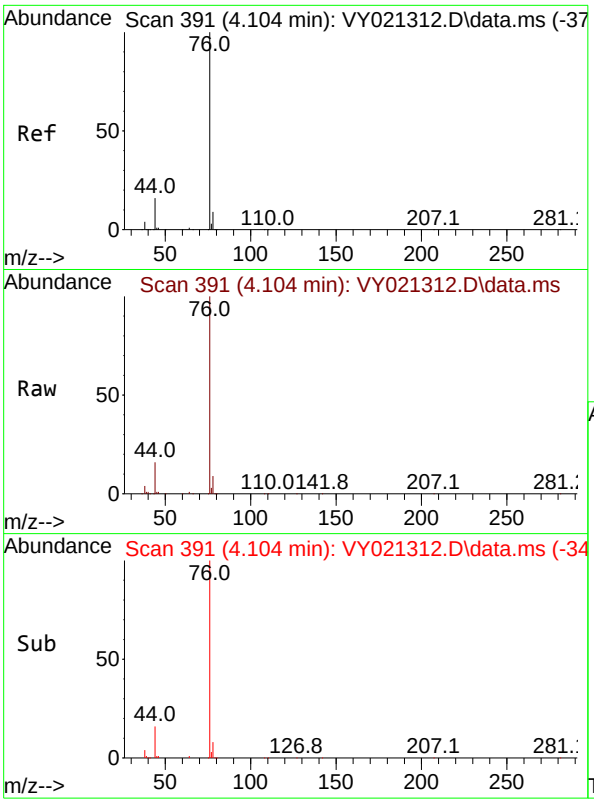




#16
Acetone
Concen: 293.294 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 111923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 23.5 | 35.3 |



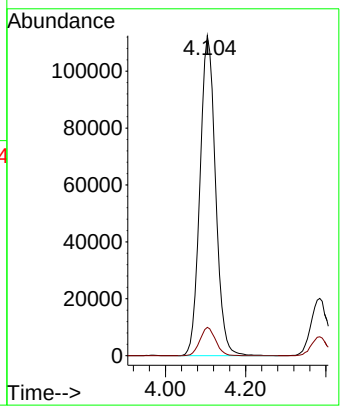


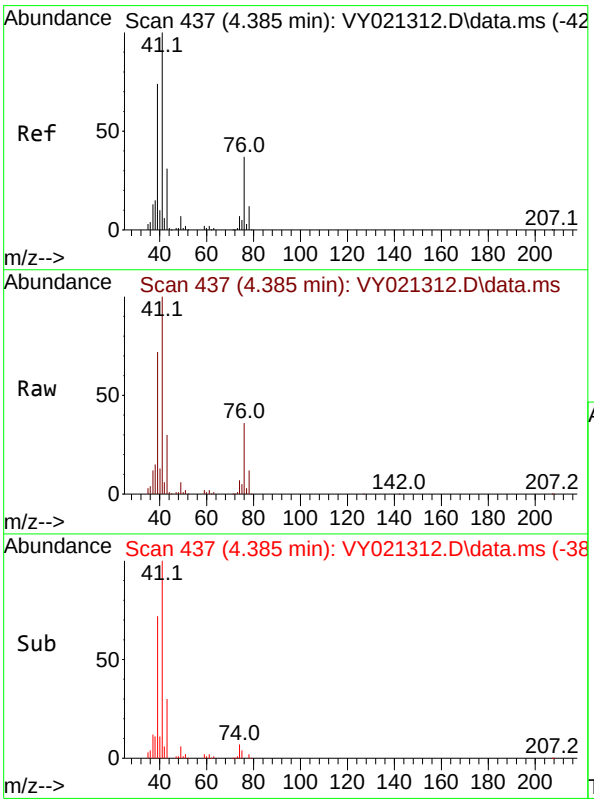

#17
Carbon Disulfide
Concen: 51.892 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 304042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.1 | 10.7 |

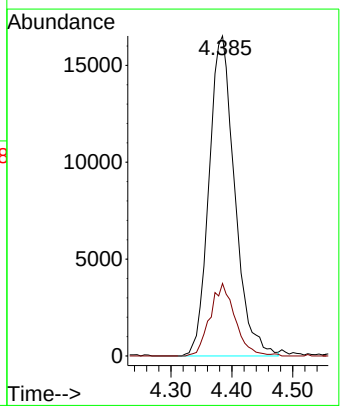


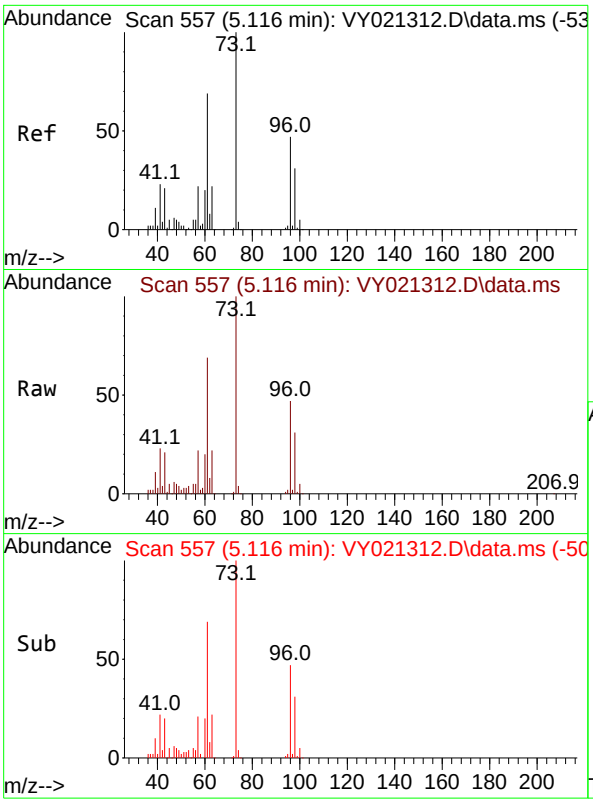




#18
Methyl Acetate
Concen: 51.864 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 48368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 17.7 | 26.5 |



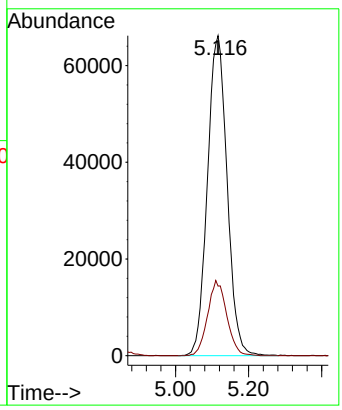


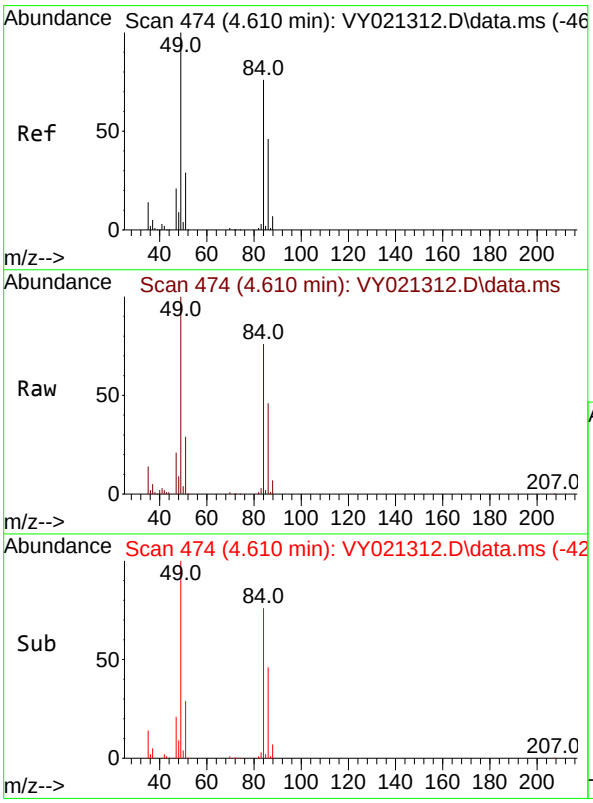

#19
Methyl tert-butyl Ether
Concen: 53.043 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 73 Resp: 247280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.4 | 26.0 |

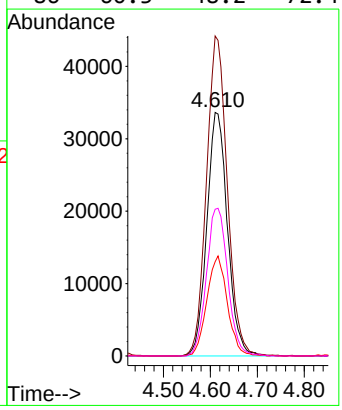


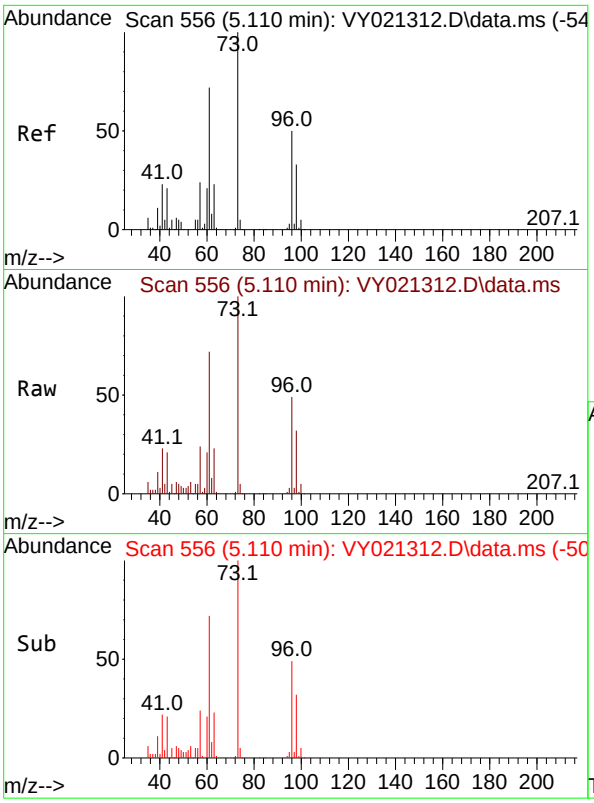




#20
Methylene Chloride
Concen: 49.716 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 84 Resp: 102592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.4 | 105.1 | 157.7 |
| 51 | 38.7 | 31.0 | 46.4 |
| 86 | 60.3 | 48.2 | 72.4 |



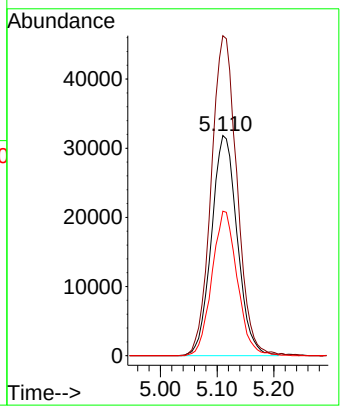


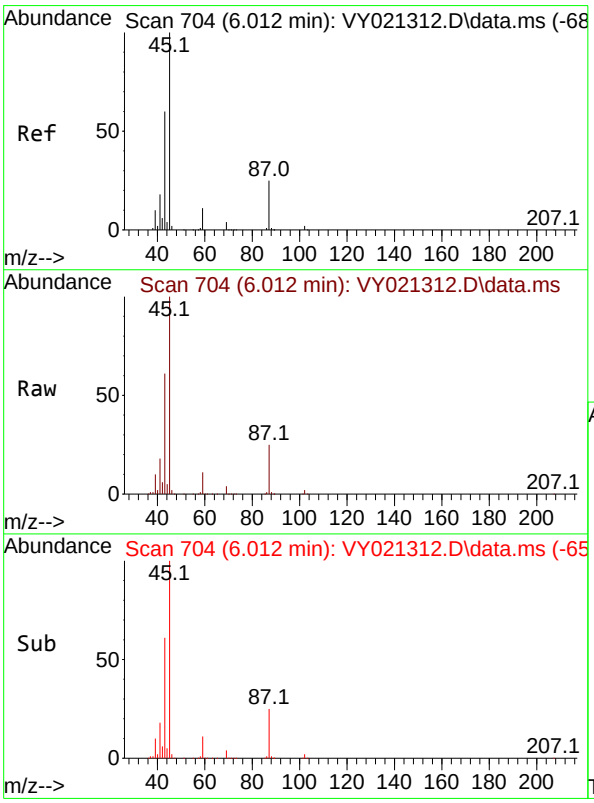

#21
trans-1,2-Dichloroethene
Concen: 51.774 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 100568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.4 | 116.3 | 174.5 |
| 98 | 65.7 | 52.6 | 78.8 |

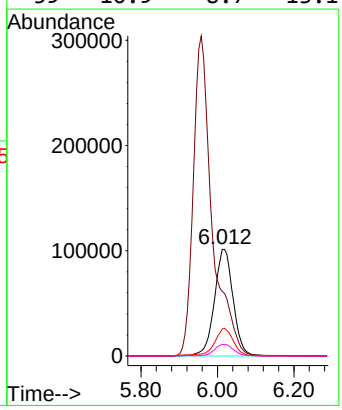


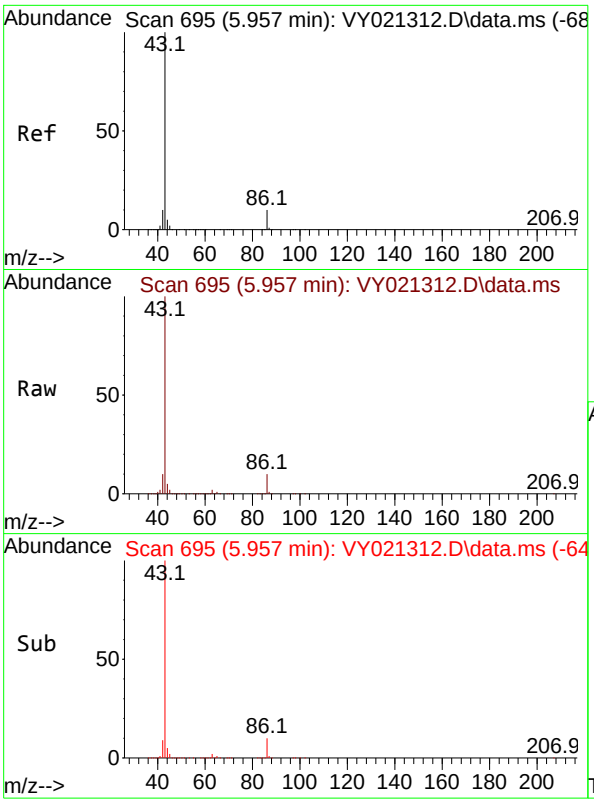




#22
Diisopropyl ether
Concen: 53.126 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 45 Resp: 343920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 60.3 | 48.2 | 72.4 |
| 87 | 25.4 | 20.3 | 30.5 |
| 59 | 10.9 | 8.7 | 13.1 |



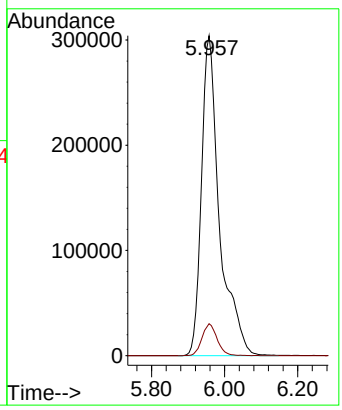


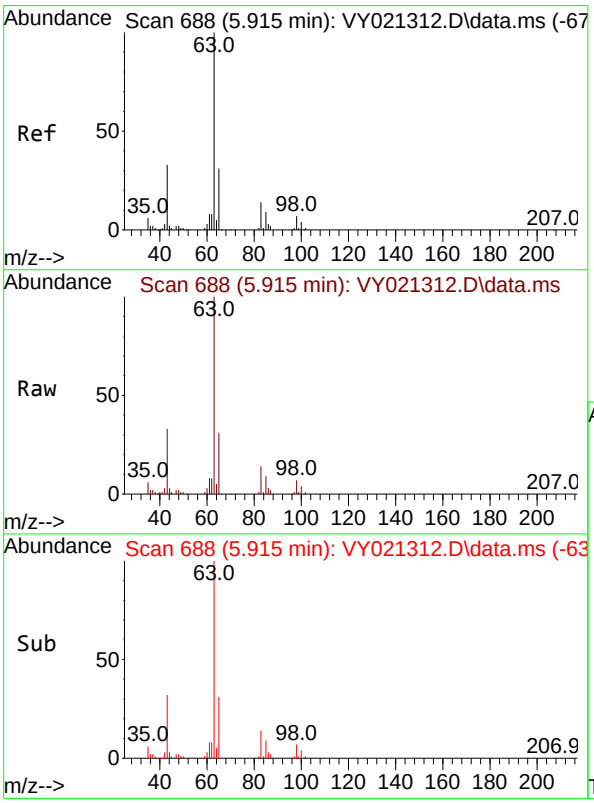

#23
Vinyl Acetate
Concen: 269.294 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 1041767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 8.0 | 12.0 |

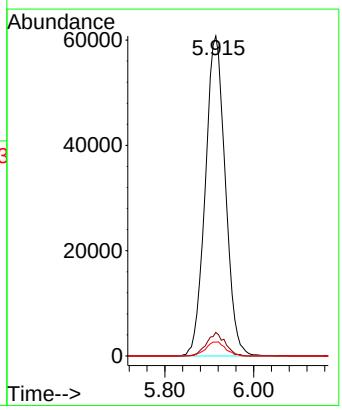


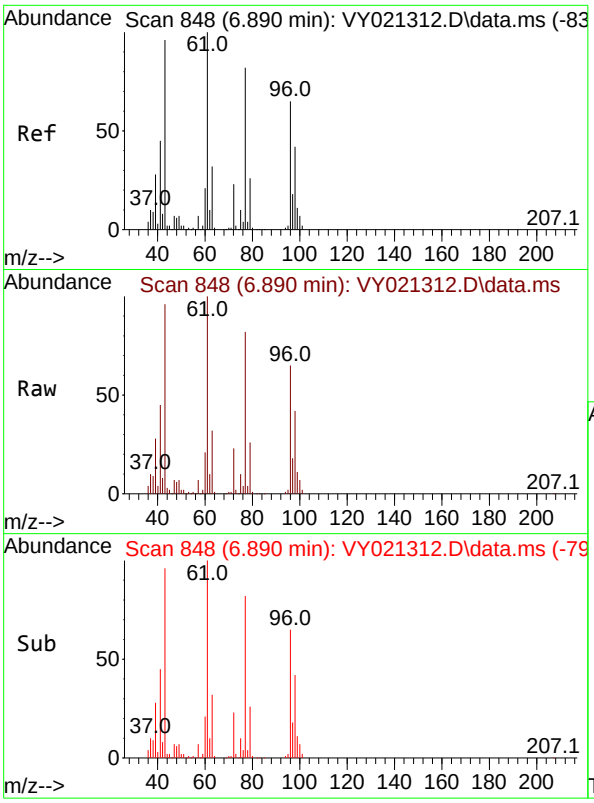




#24
1,1-Dichloroethane
Concen: 52.057 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 189943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.7 | 11.1 |
| 100 | 4.3 | 2.1 | 6.5 |



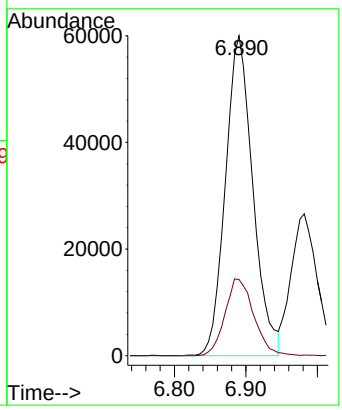


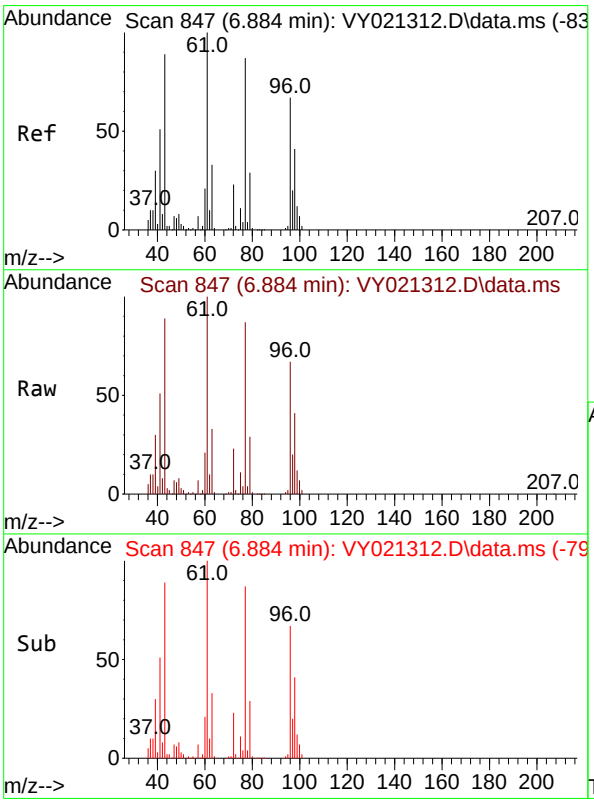

#25
2-Butanone
Concen: 278.240 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 160248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 19.0 | 28.6 |

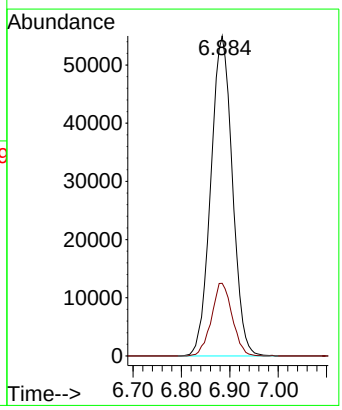


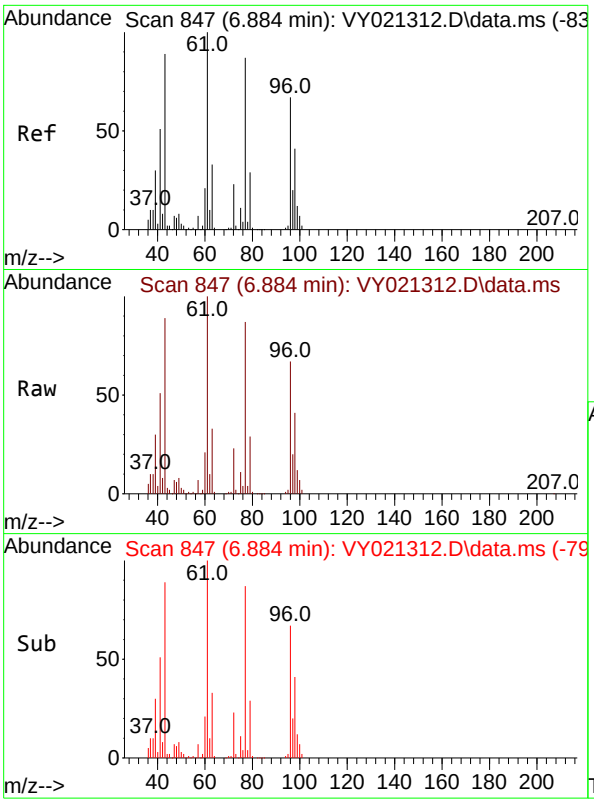




#26
2,2-Dichloropropane
Concen: 51.489 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 77 Resp: 170469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.9 | 32.7 |



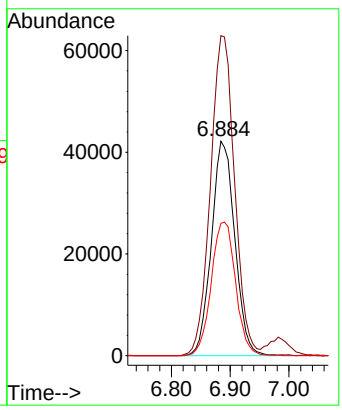


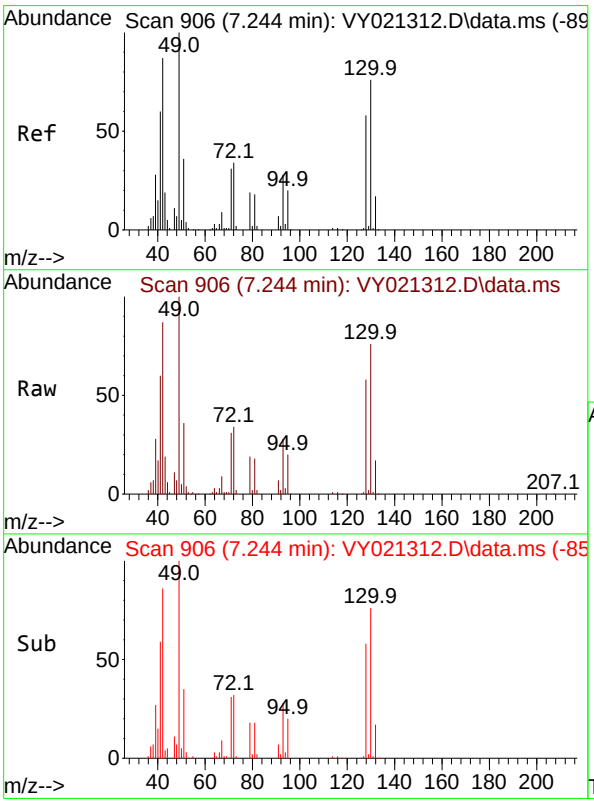

#27
cis-1,2-Dichloroethene
Concen: 52.579 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 116627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.0 | 0.0 | 308.0 |
| 98 | 64.8 | 0.0 | 129.6 |

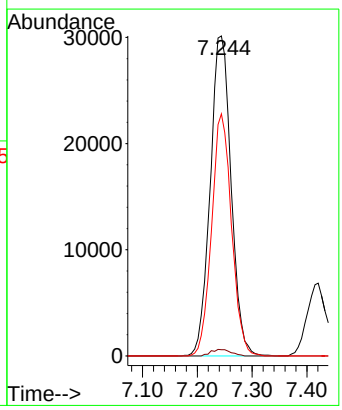


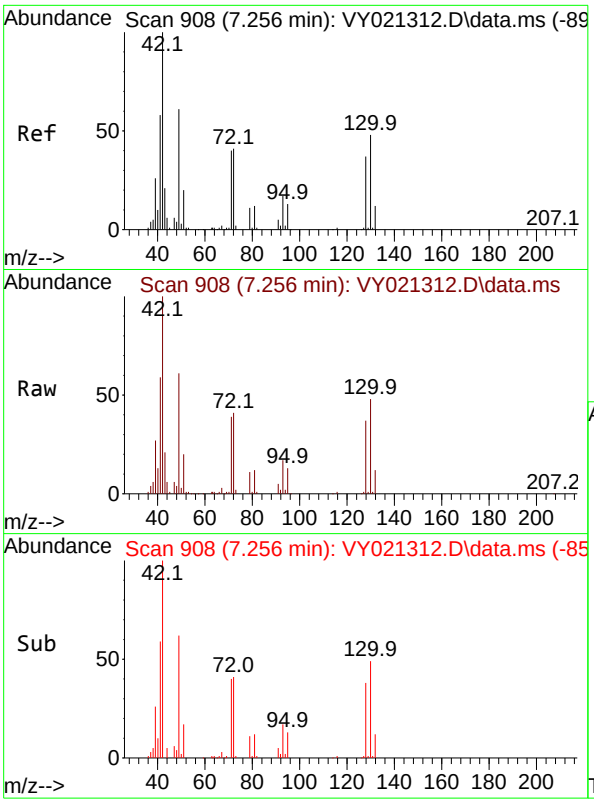




#28
Bromochloromethane
Concen: 49.352 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 49 Resp: 79678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 72.2 | 57.8 | 86.6 |



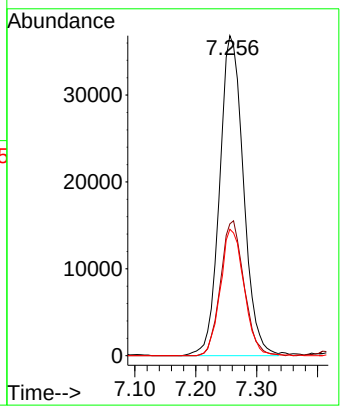


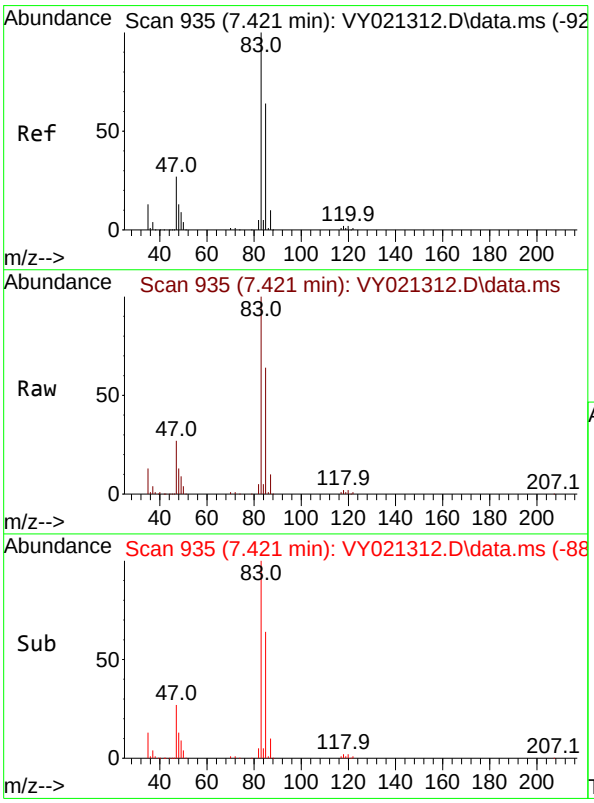

#29
Tetrahydrofuran
Concen: 266.741 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 42 Resp: 100417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.4 | 33.1 | 49.7 |
| 71 | 39.2 | 31.4 | 47.0 |

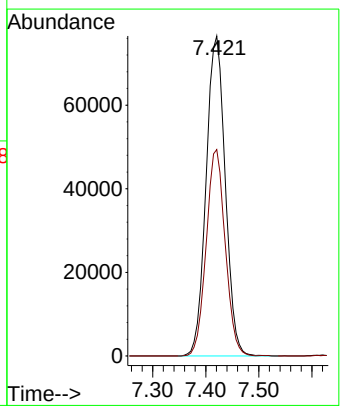


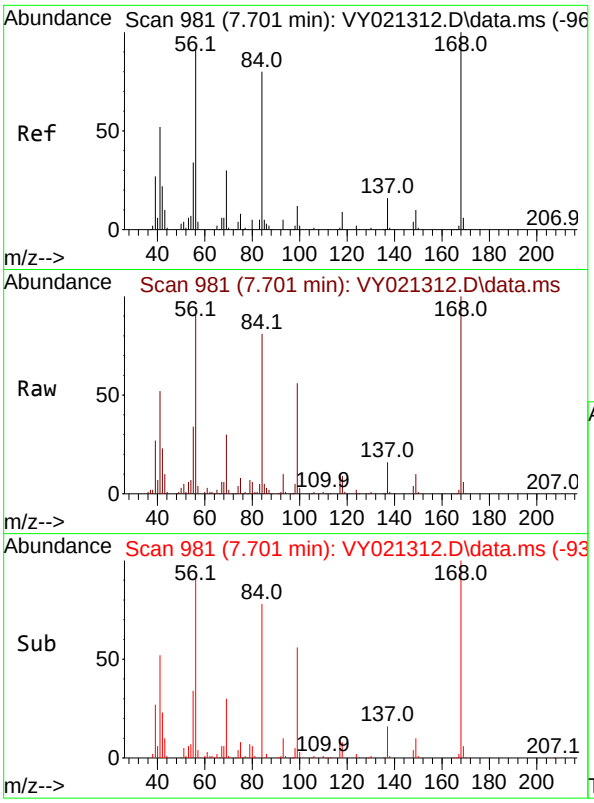




#30
Chloroform
Concen: 51.925 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 191980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.6 | 77.4 |



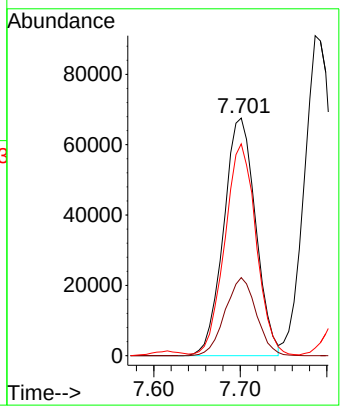


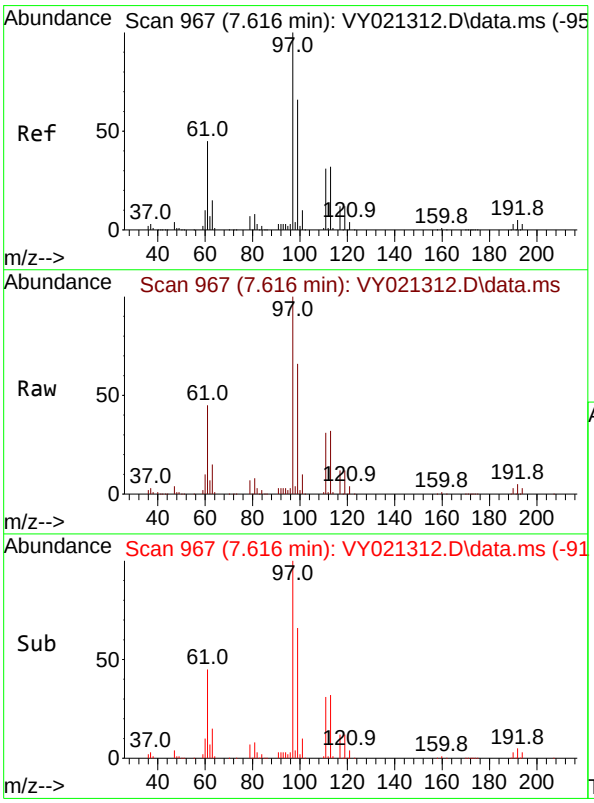

#31
Cyclohexane
Concen: 49.456 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 173460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.8 | 26.2 | 39.4 |
| 84 | 87.8 | 70.2 | 105.4 |

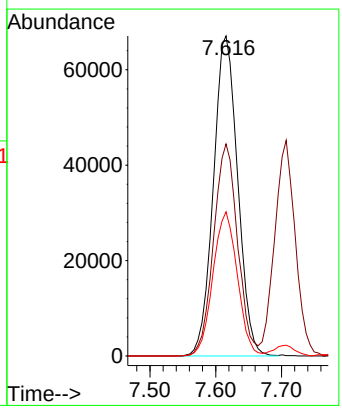


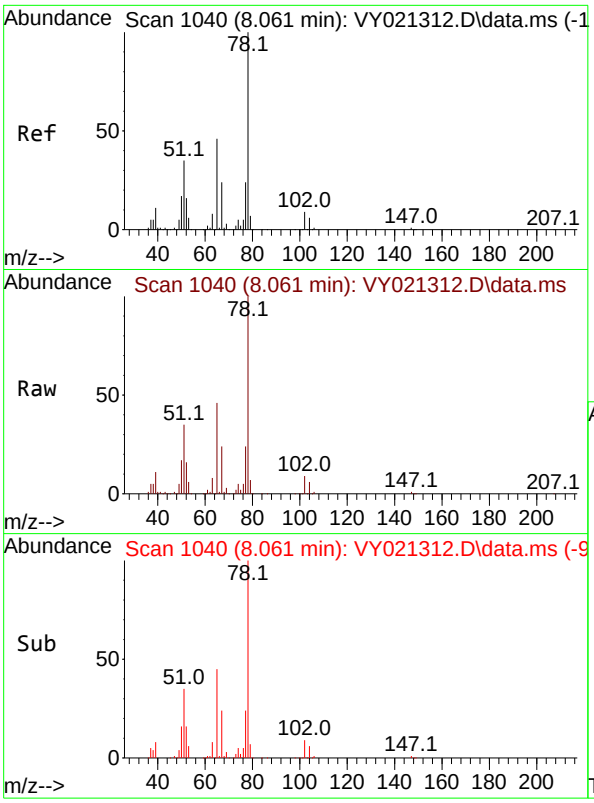




#32
1,1,1-Trichloroethane
Concen: 51.372 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 172880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.5 | 52.4 | 78.6 |
| 61 | 45.2 | 36.2 | 54.2 |



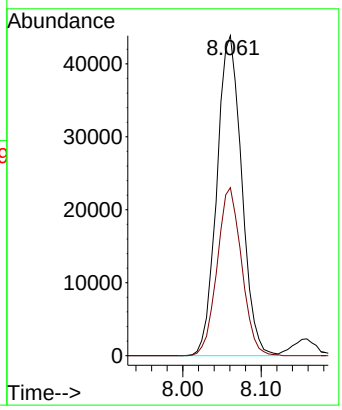


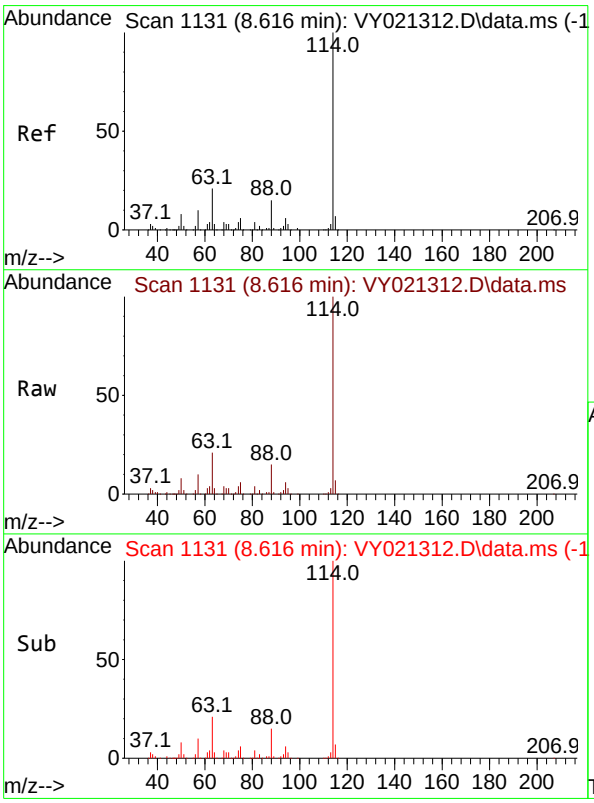

#33
1,2-Dichloroethane-d4
Concen: 48.606 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 65 Resp: 96694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 103.6 |

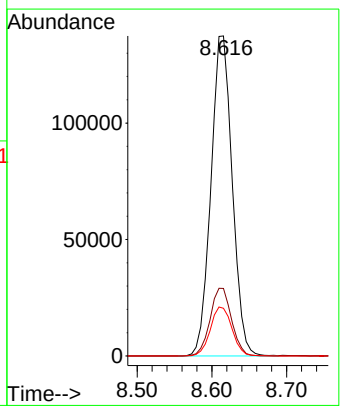


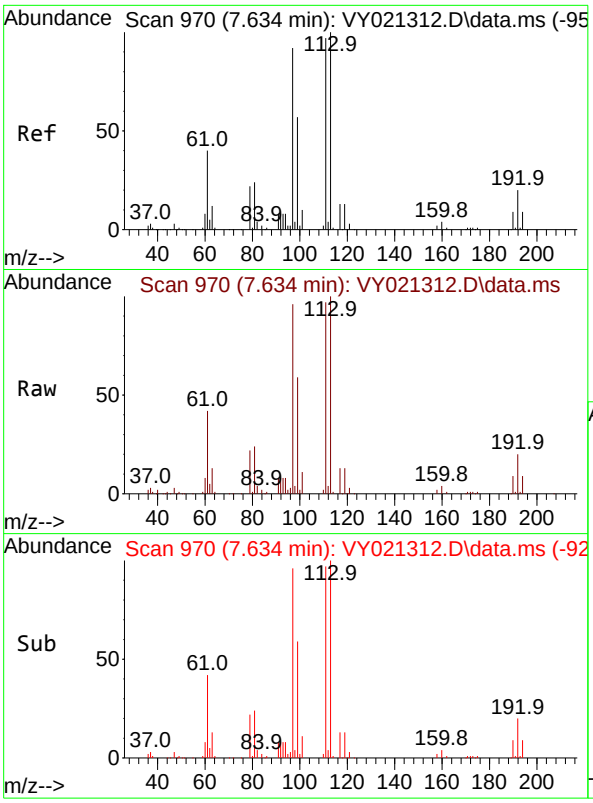




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:114 Resp: 272563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 42.2 |
| 88 | 14.9 | 0.0 | 29.8 |



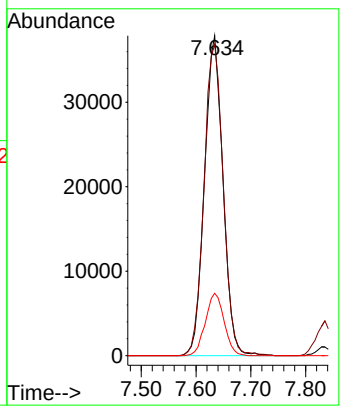


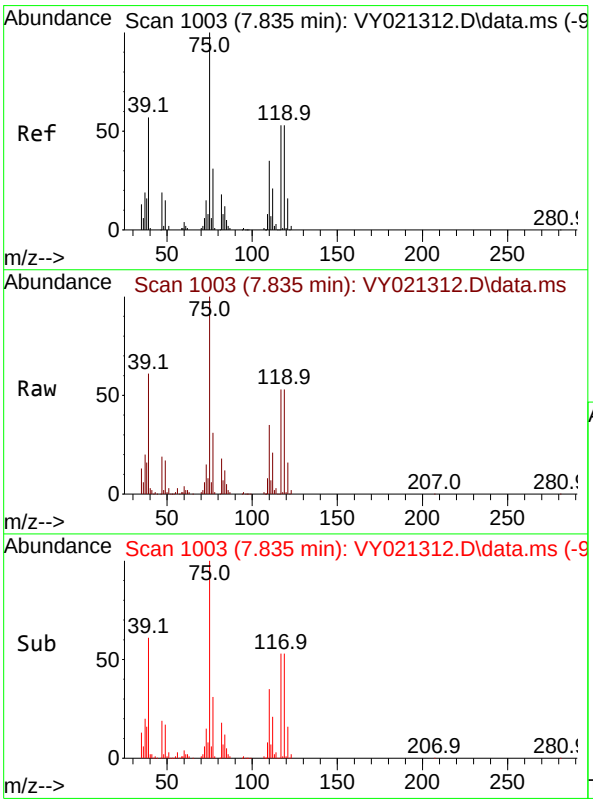

#35
Dibromofluoromethane
Concen: 49.533 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:113 Resp: 88513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.3 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |

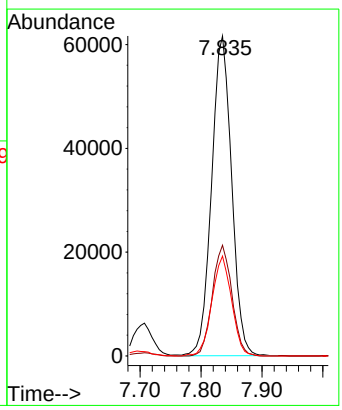


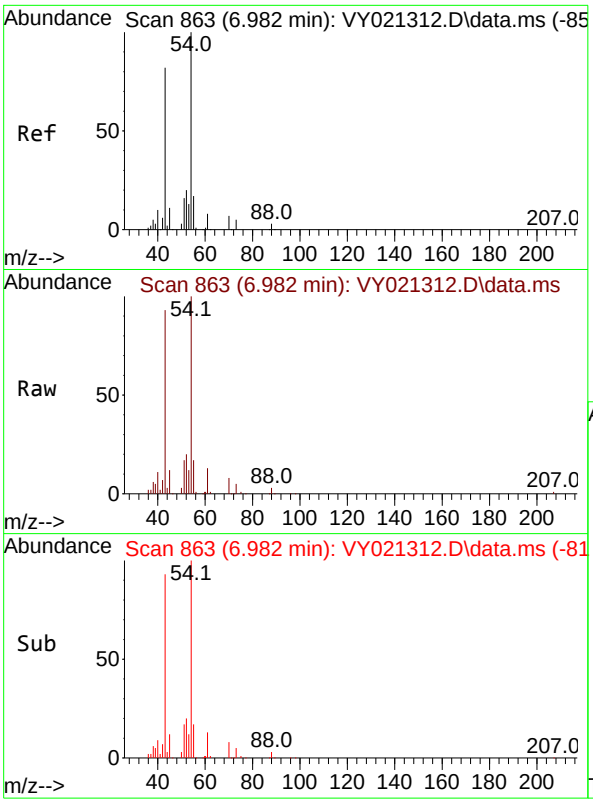




#36
1,1-Dichloropropene
Concen: 52.371 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 140574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 16.9 | 50.7 |
| 77 | 30.7 | 24.6 | 36.8 |



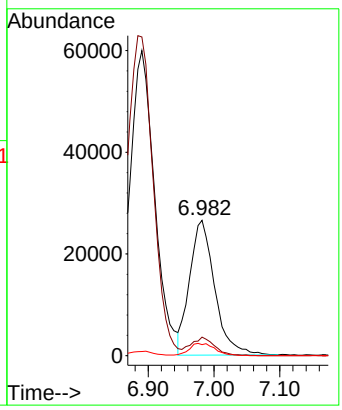


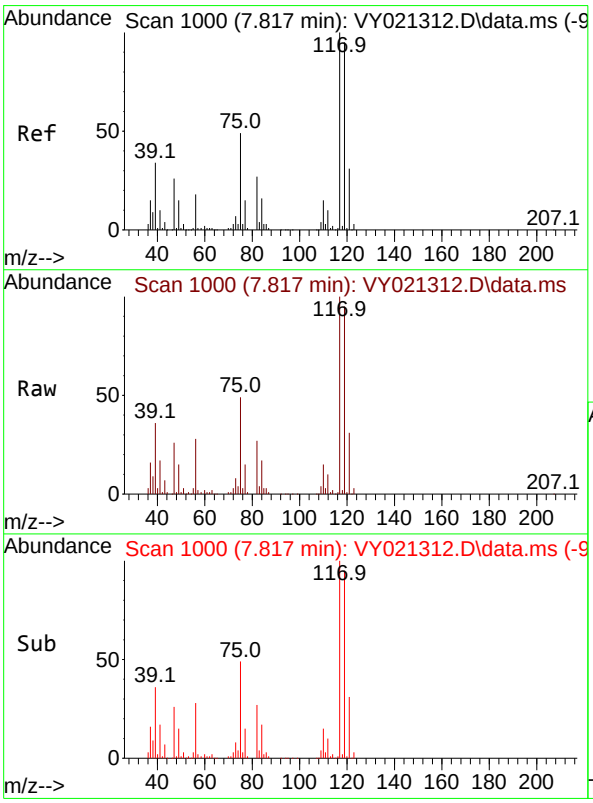

#37
Ethyl Acetate
Concen: 52.565 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 70184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 10.4 | 15.6 |
| 70 | 9.4 | 7.5 | 11.3 |

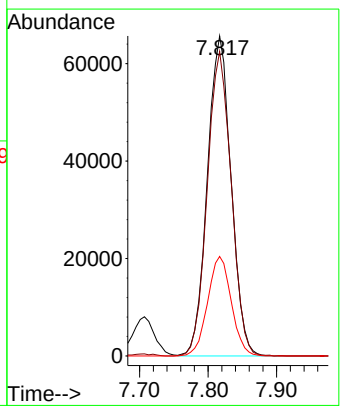


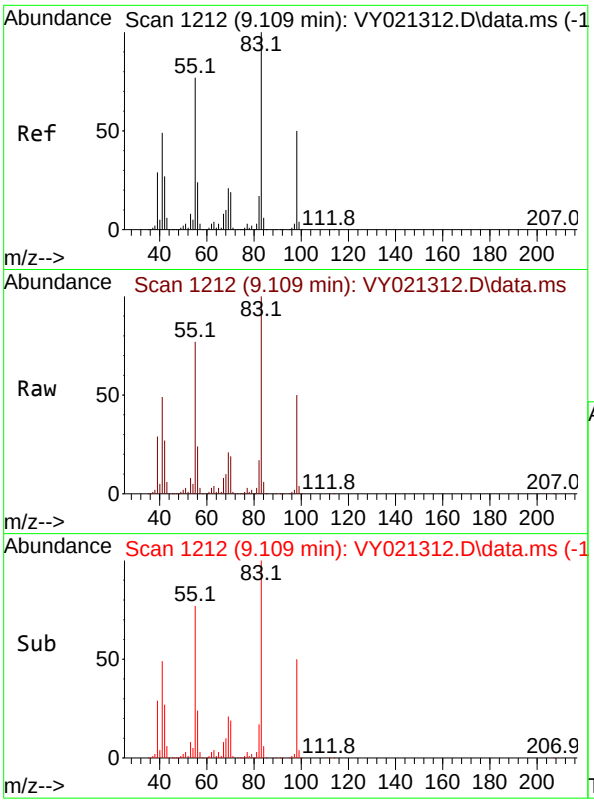




#38
Carbon Tetrachloride
Concen: 52.465 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 158319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 76.0 | 114.0 |
| 121 | 31.1 | 24.9 | 37.3 |



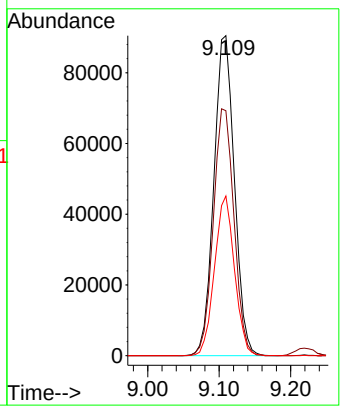


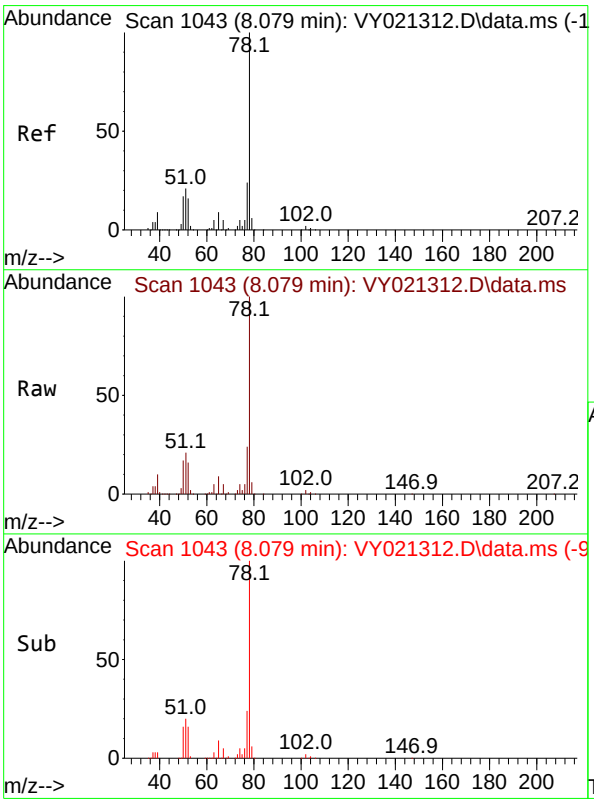

#39
Methylcyclohexane
Concen: 53.165 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 180496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.6 | 61.3 | 91.9 |
| 98 | 49.9 | 39.9 | 59.9 |

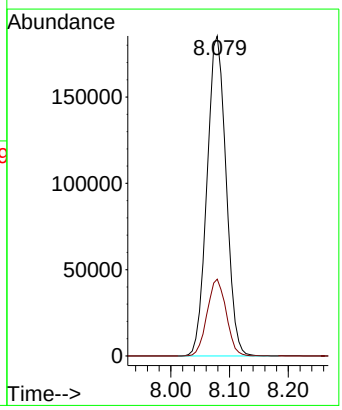


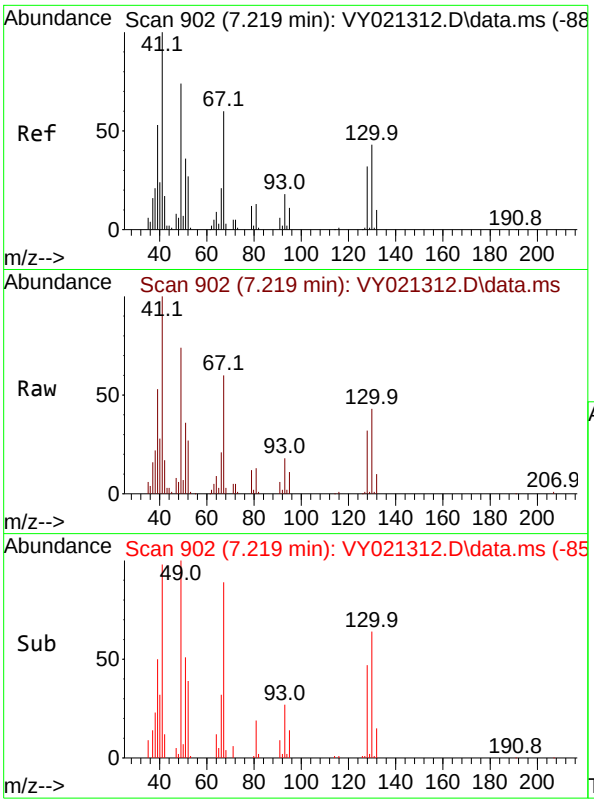




#40
Benzene
Concen: 52.655 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 78 Resp: 417798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.2 | 28.8 |



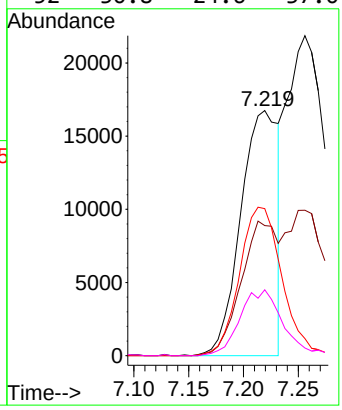


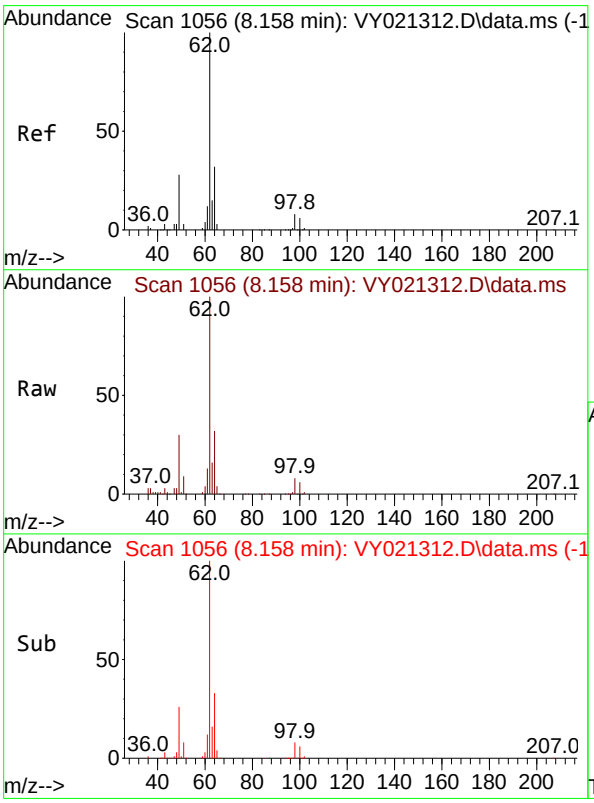

#41
Methacrylonitrile
Concen: 53.535 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 41 Resp: 39965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.9 | 42.3 | 63.5 |
| 67 | 68.5 | 54.8 | 82.2 |
| 52 | 30.8 | 24.6 | 37.0 |

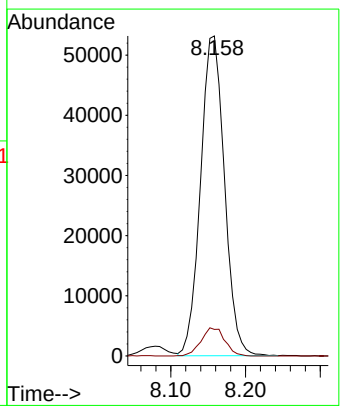


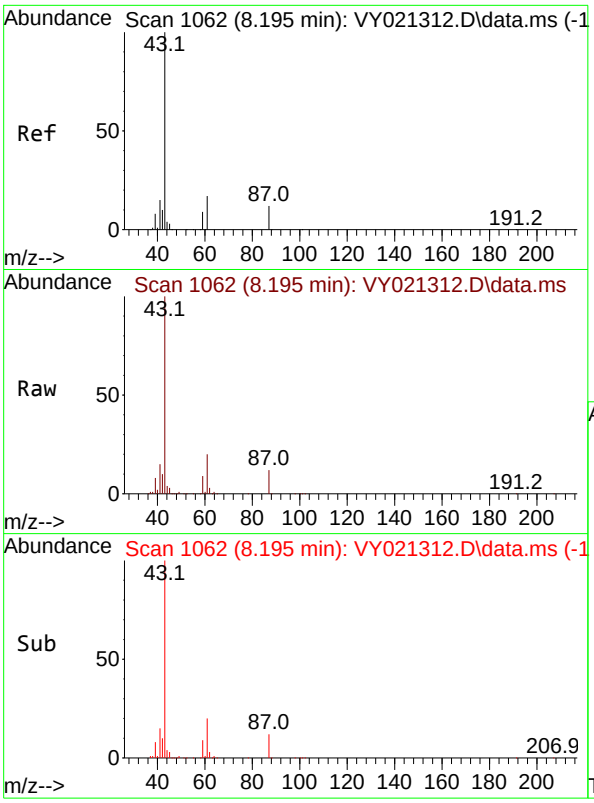




#42
1,2-Dichloroethane
Concen: 52.494 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 118176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 17.6 |



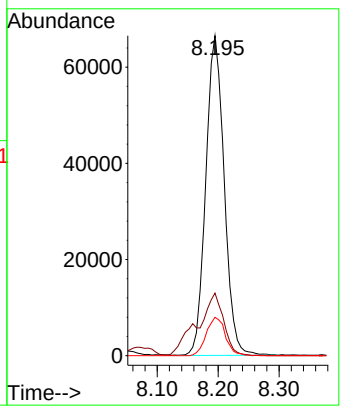


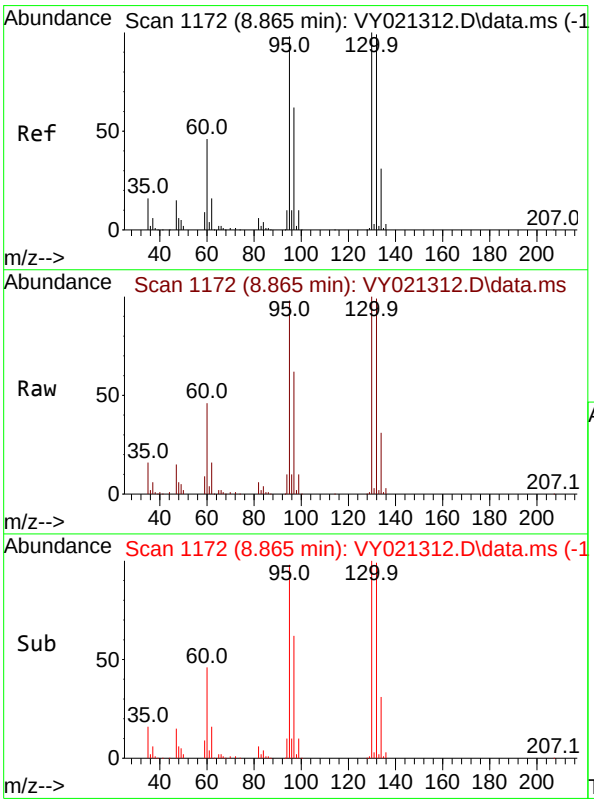

#43
Isopropyl Acetate
Concen: 54.106 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 139829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.8 | 15.0 | 22.6 |
| 87 | 12.5 | 10.0 | 15.0 |

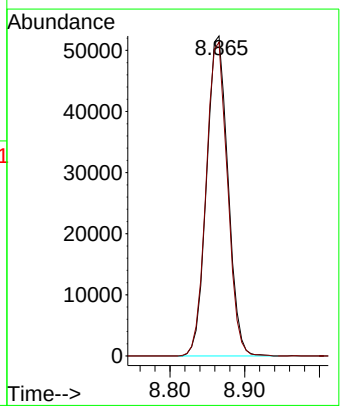


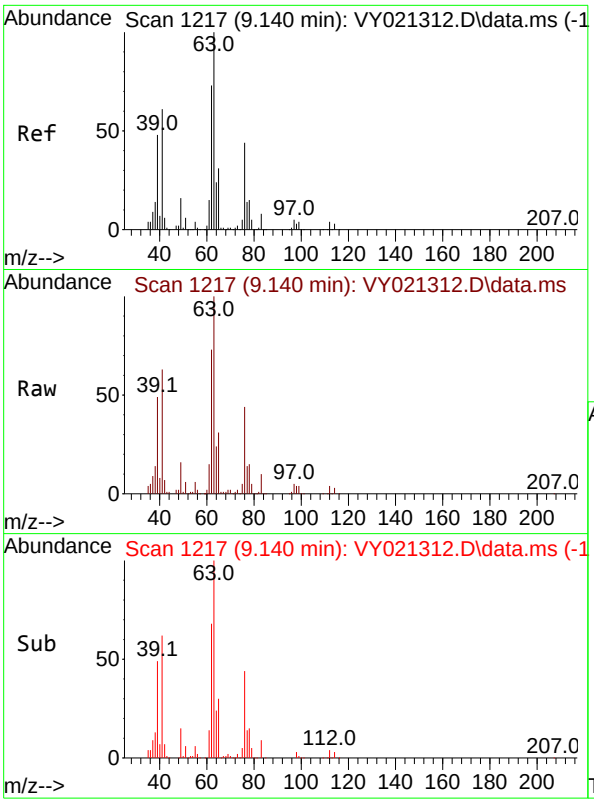




#44
Trichloroethene
Concen: 52.389 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:130 Resp: 104074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.0 | 0.0 | 196.0 |



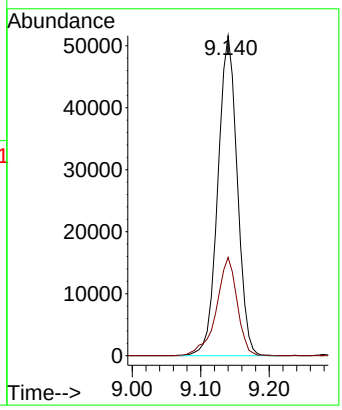


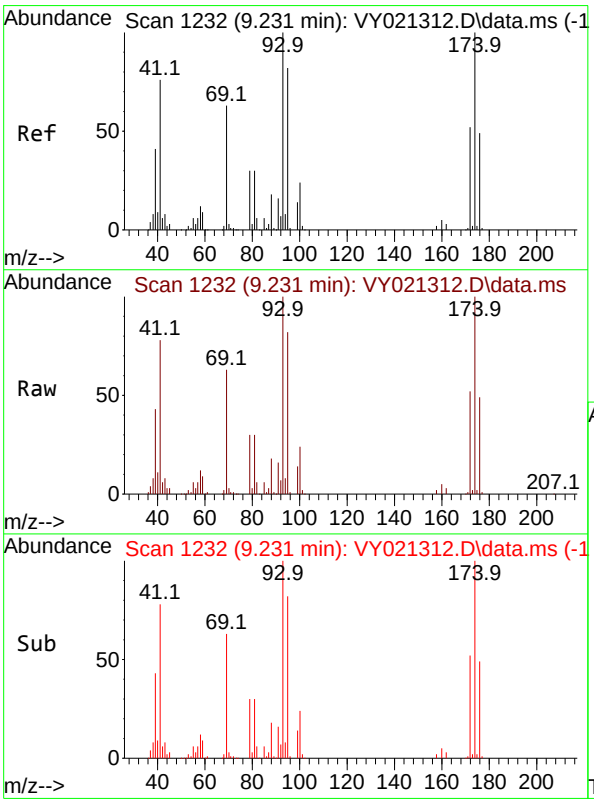

#45
1,2-Dichloropropane
Concen: 52.980 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 63 Resp: 101166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.6 | 36.8 |

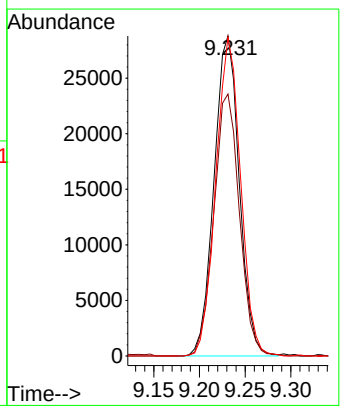


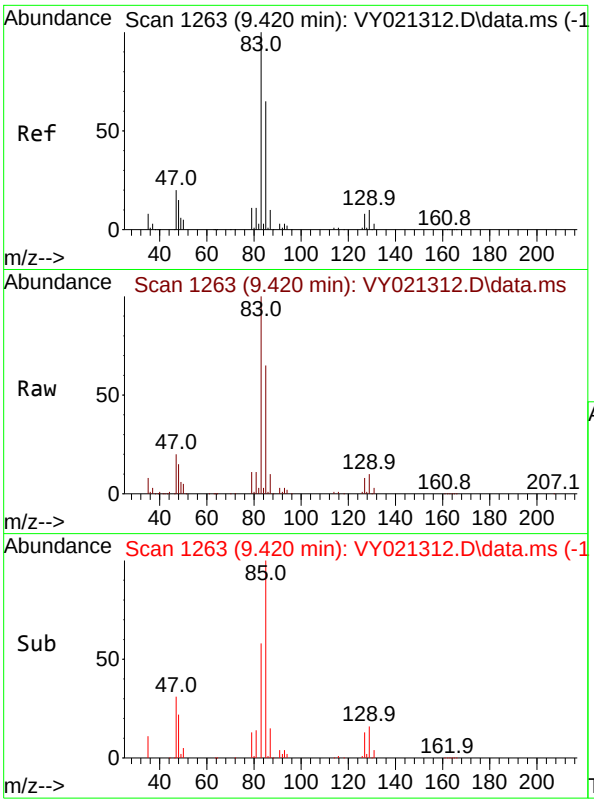




#46
Dibromomethane
Concen: 53.043 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 93 Resp: 55365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 66.4 | 99.6 |
| 174 | 97.7 | 78.2 | 117.2 |



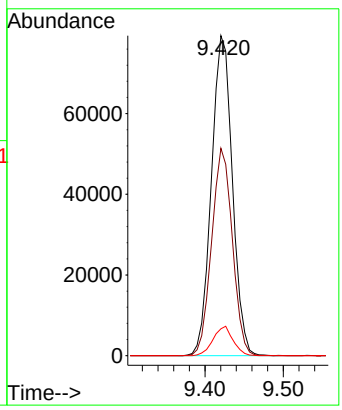


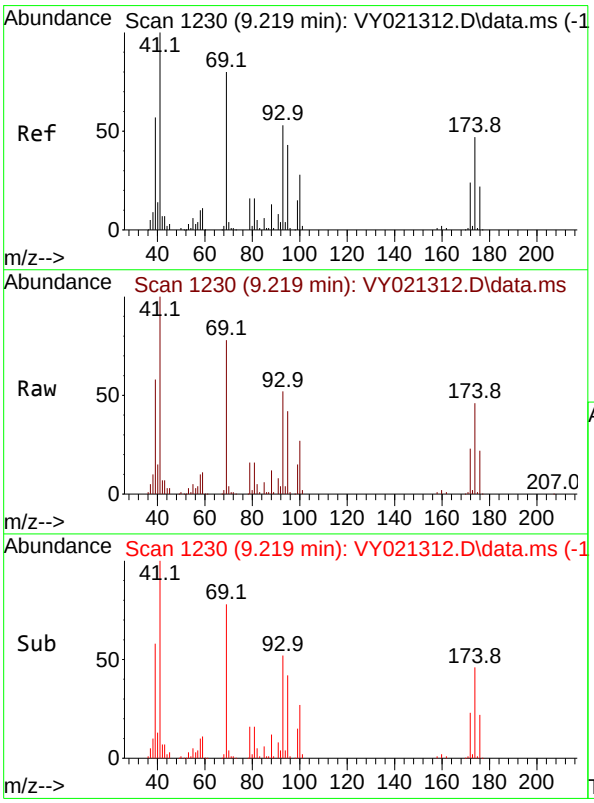

#47
Bromodichloromethane
Concen: 52.957 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 147382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 51.8 | 77.8 |
| 127 | 8.4 | 6.7 | 10.1 |

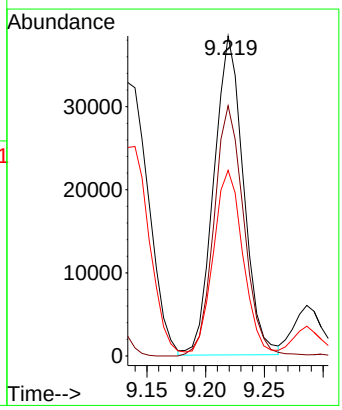


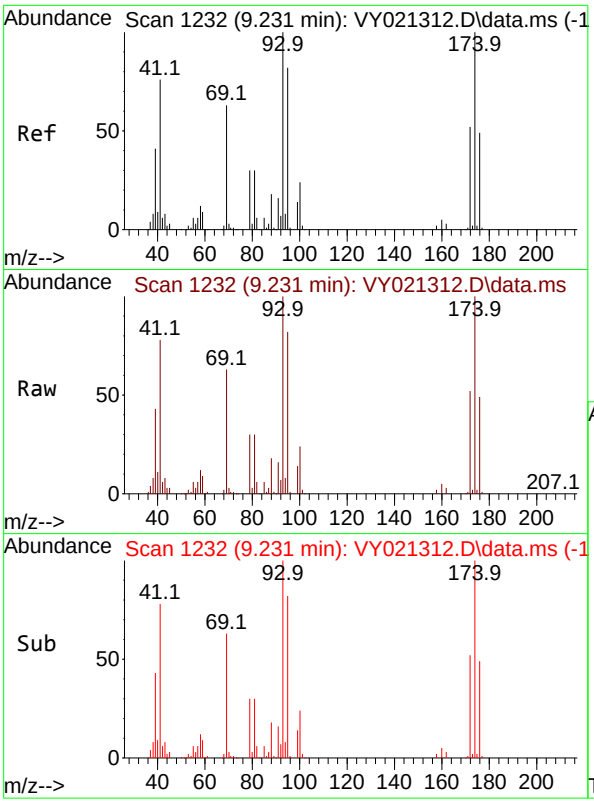




#48
Methyl methacrylate
Concen: 55.775 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 67406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.1 | 63.3 | 94.9 |
| 39 | 56.3 | 45.0 | 67.6 |



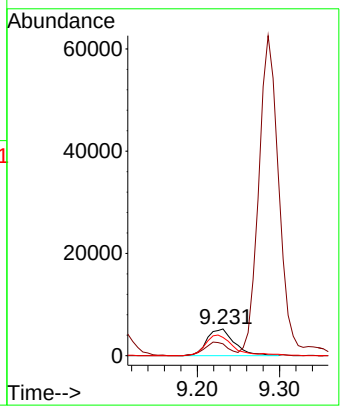


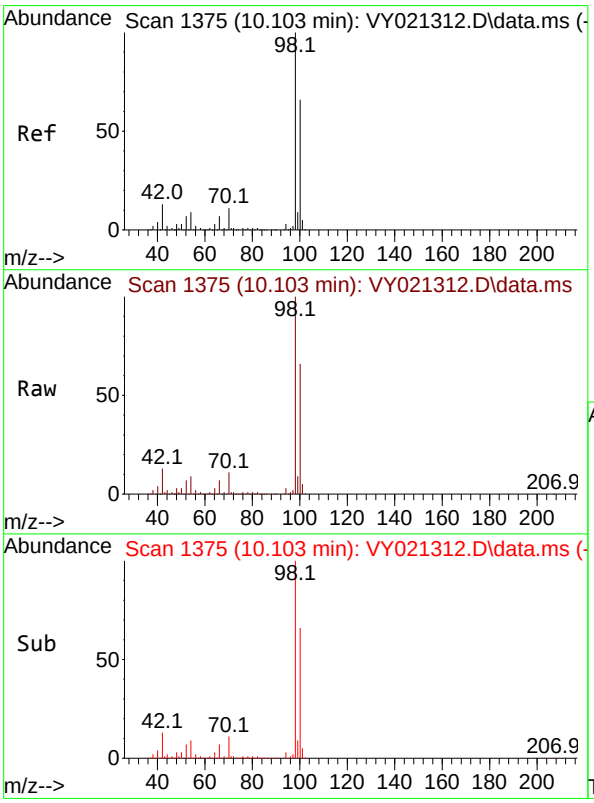

#49
1,4-Dioxane
Concen: 1050.591 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 88 Resp: 12193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.5 | 34.8 | 52.2 |
| 58 | 74.7 | 59.8 | 89.6 |

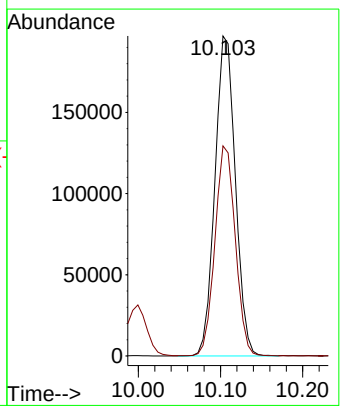


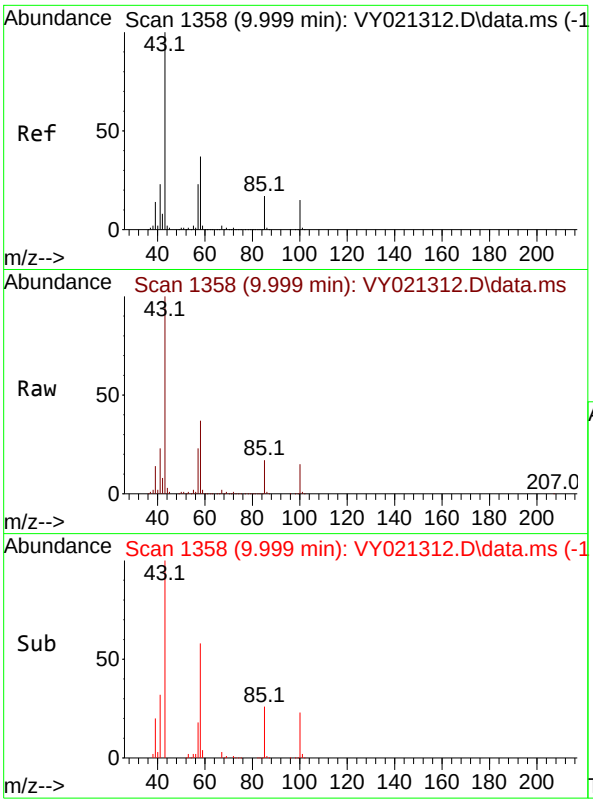




#50
Toluene-d8
Concen: 49.367 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 98 Resp: 340929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 52.4 | 78.6 |



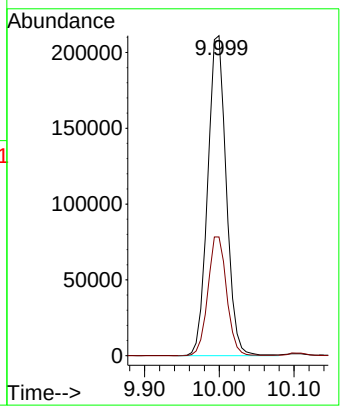


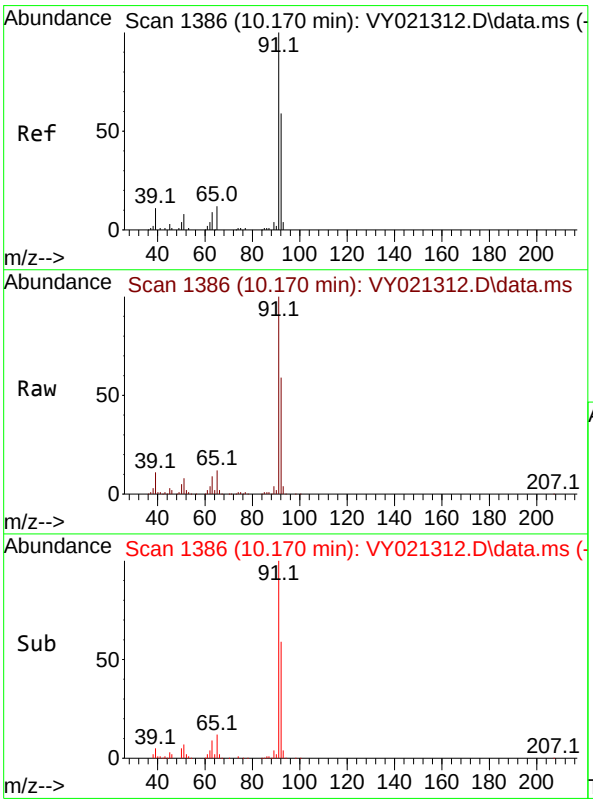

#51
4-Methyl-2-Pentanone
Concen: 275.485 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 364446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.6 | 30.1 | 45.1 |

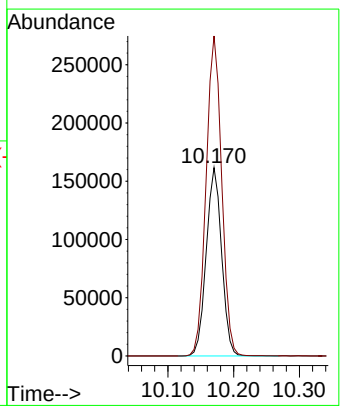


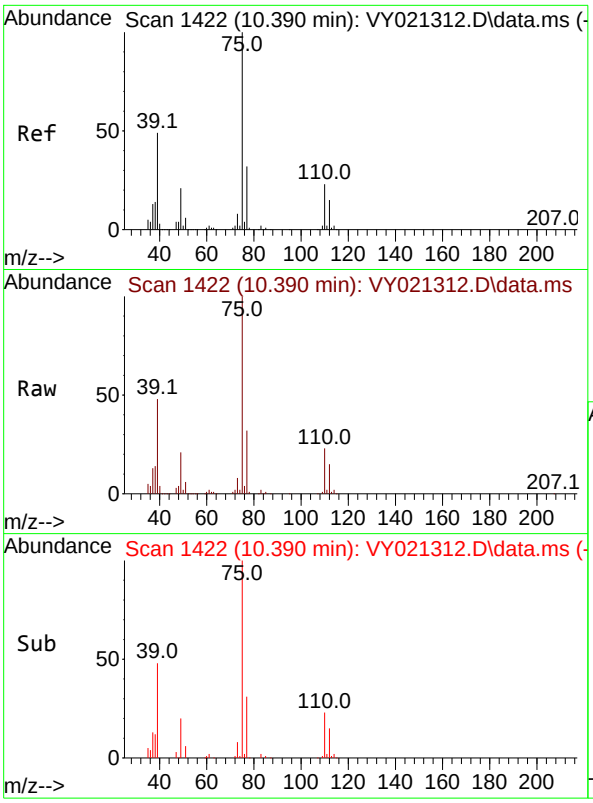




#52
Toluene
Concen: 53.367 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 92 Resp: 263062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.3 | 137.8 | 206.8 |



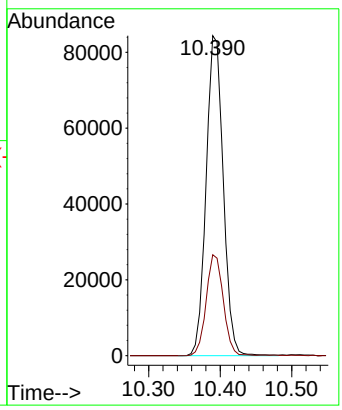


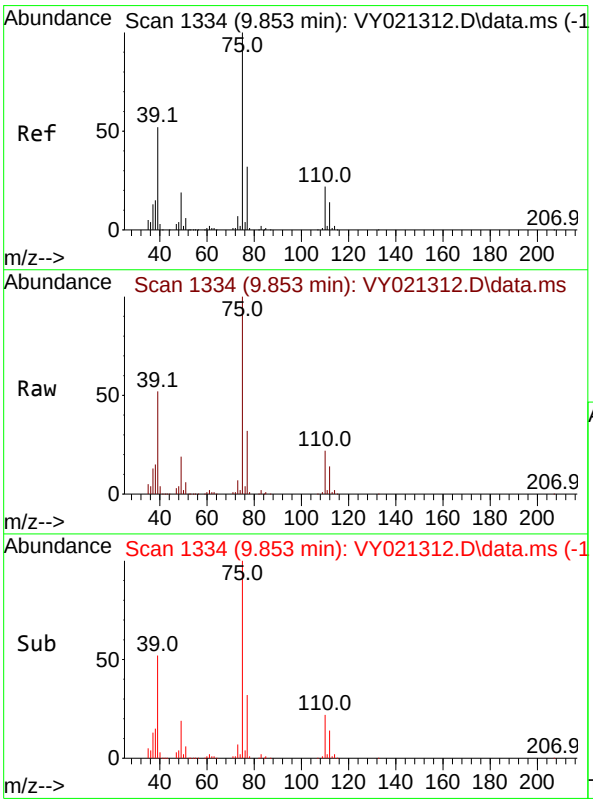

#53
t-1,3-Dichloropropene
Concen: 55.062 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 140399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.3 | 37.9 |

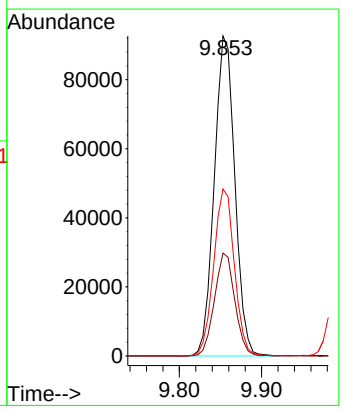


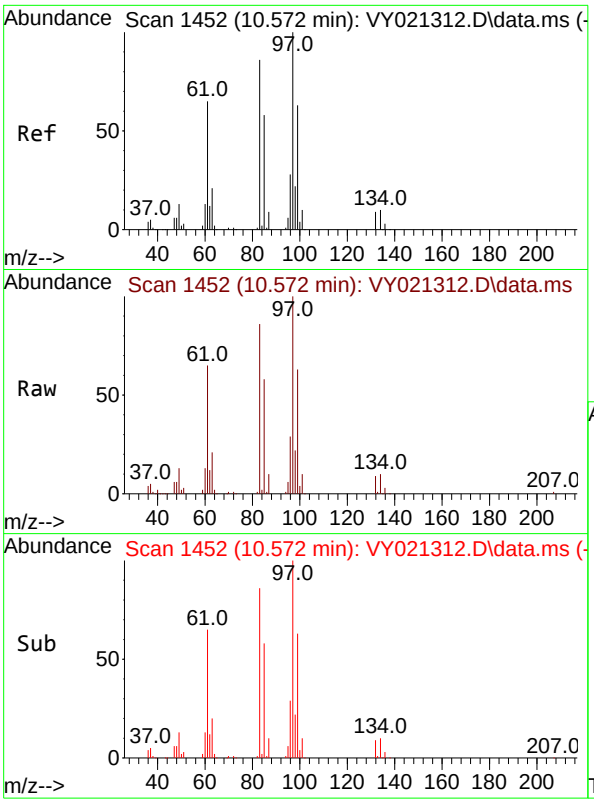




#54
cis-1,3-Dichloropropene
Concen: 53.492 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 161021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 25.7 | 38.5 |
| 39 | 52.2 | 41.8 | 62.6 |



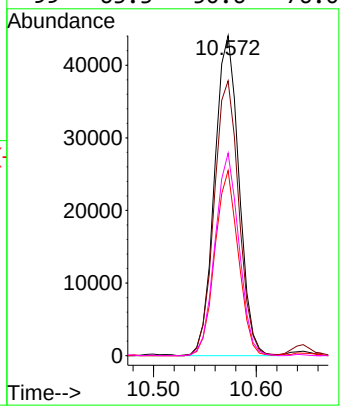


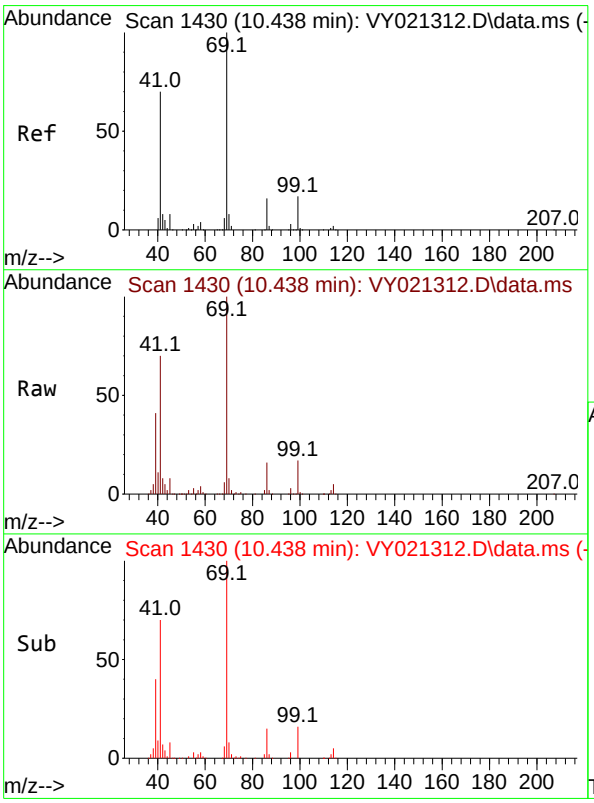

#55
1,1,2-Trichloroethane
Concen: 53.481 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 97 Resp: 72720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.9 | 68.7 | 103.1 |
| 85 | 57.9 | 46.3 | 69.5 |
| 99 | 63.3 | 50.6 | 76.0 |

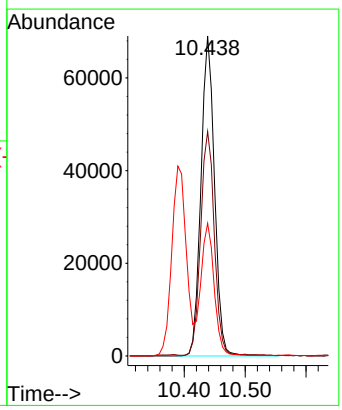


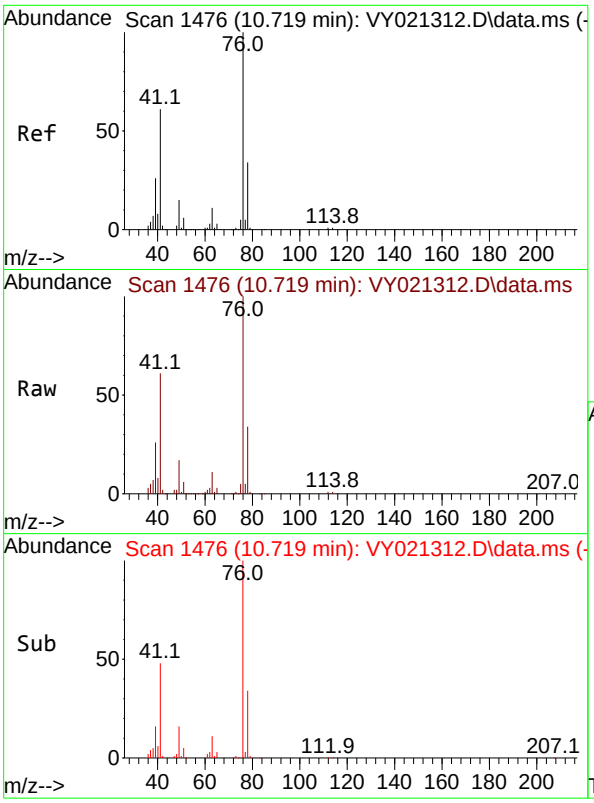




#56
Ethyl methacrylate
Concen: 56.904 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 69 Resp: 106914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.3 | 56.2 | 84.4 |
| 39 | 40.9 | 32.7 | 49.1 |



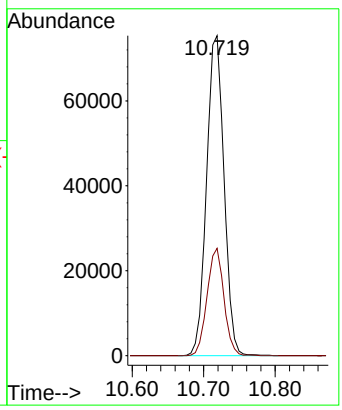


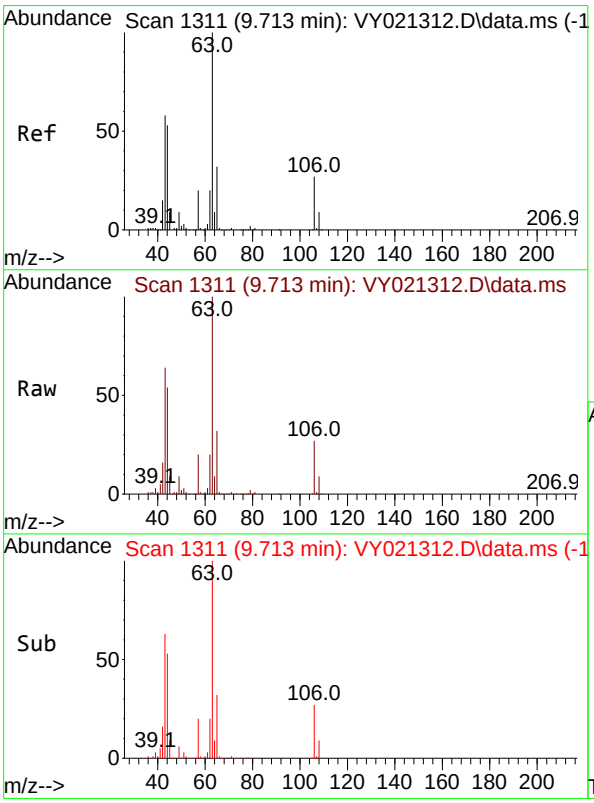

#57
1,3-Dichloropropane
Concen: 53.559 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 127795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.9 | 38.9 |

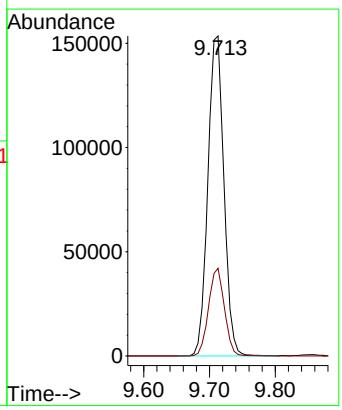


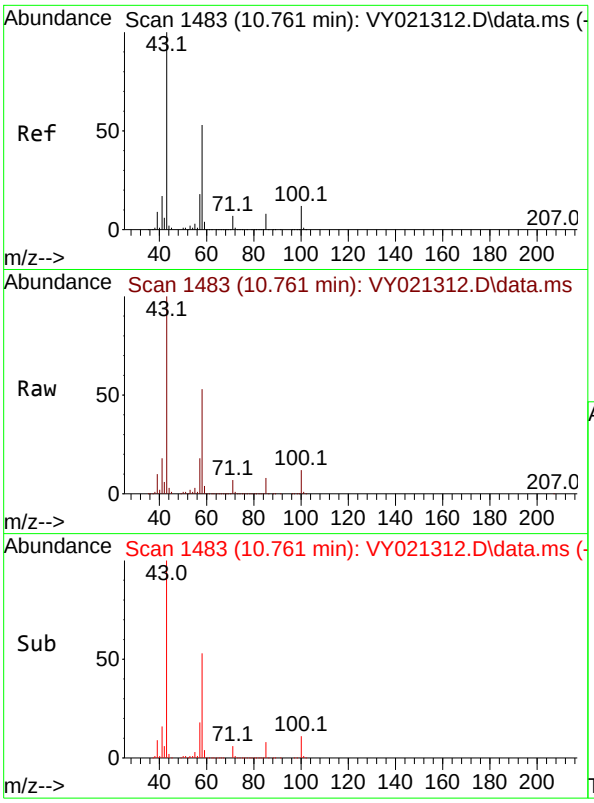




#58
2-Chloroethyl Vinyl ether
Concen: 289.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 260718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.1 | 21.7 | 32.5 |



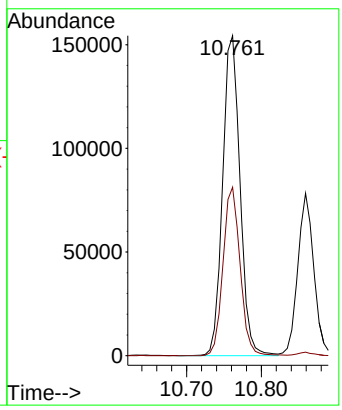


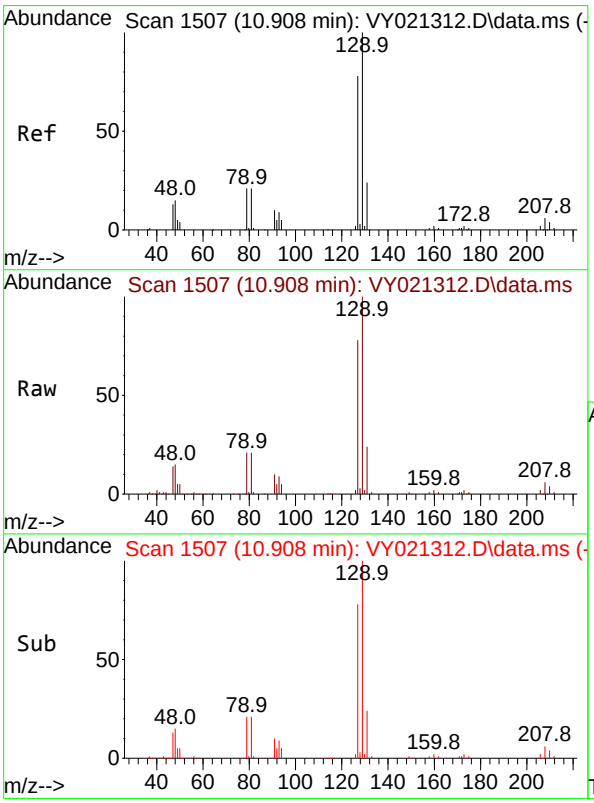

#59
2-Hexanone
Concen: 287.258 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 249578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.7 | 25.9 | 77.6 |

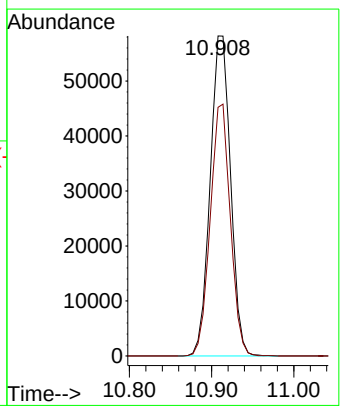


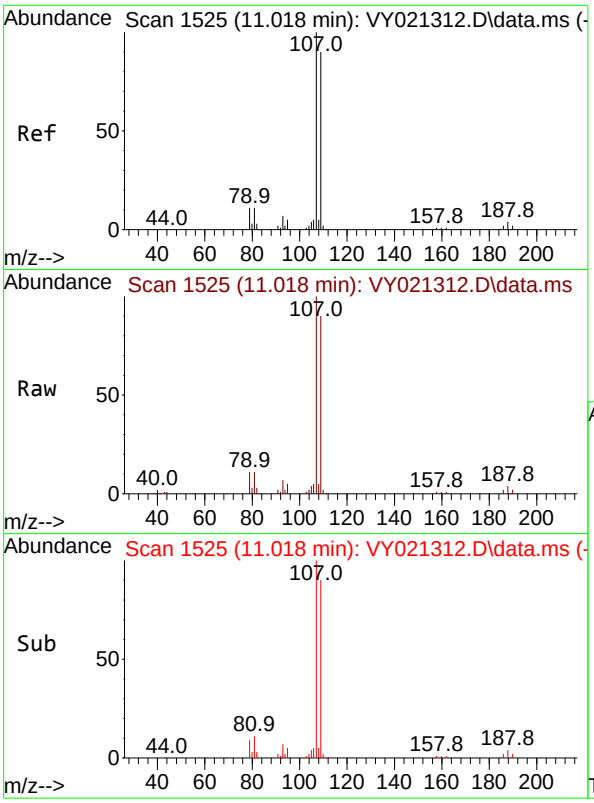




#60
Dibromochloromethane
Concen: 54.134 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:129 Resp: 100250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.8 | 116.4 |



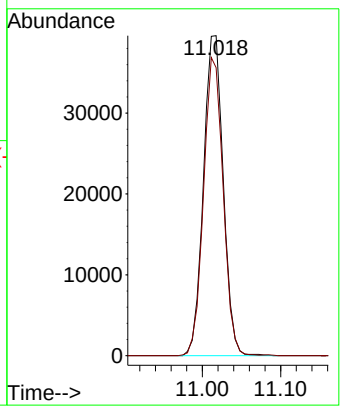


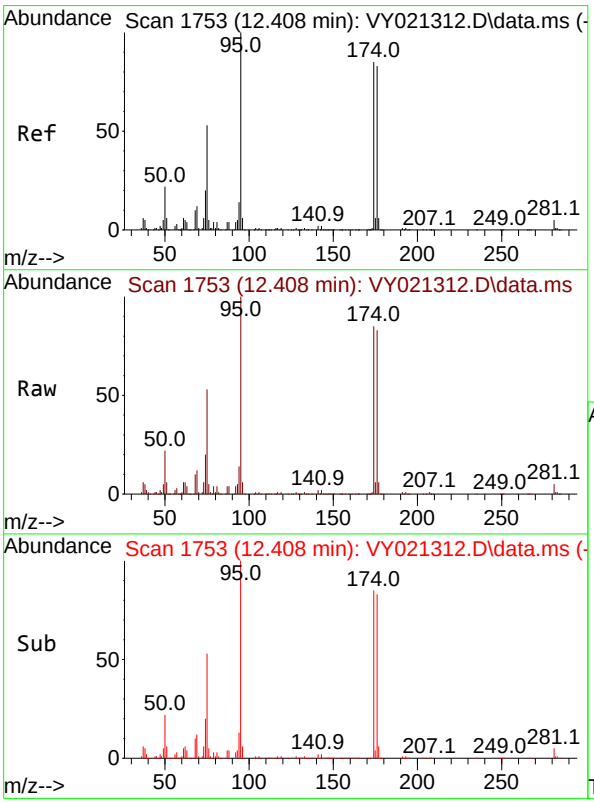

#61
1,2-Dibromoethane
Concen: 53.783 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:107 Resp: 69236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.3 | 73.8 | 110.8 |

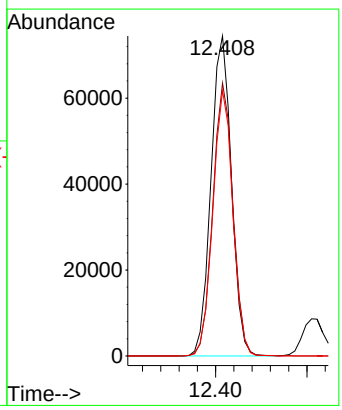


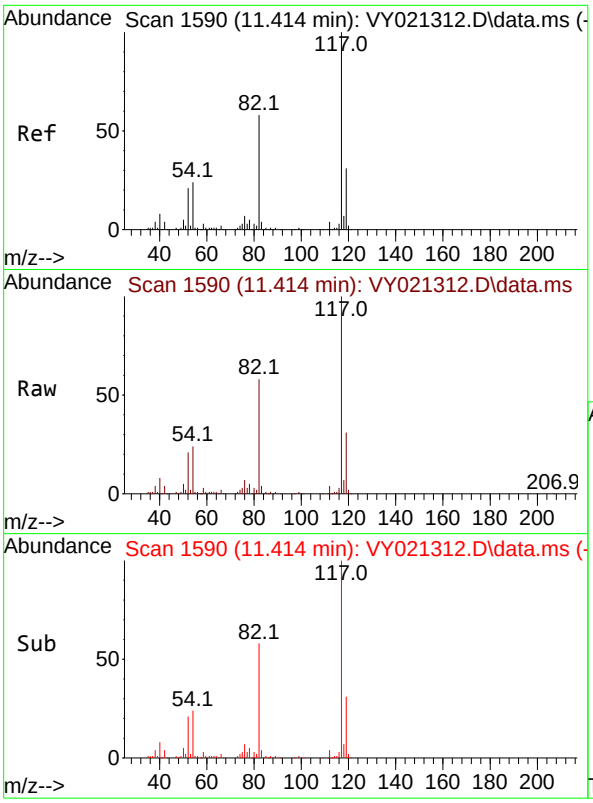




#62
4-Bromofluorobenzene
Concen: 49.652 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 95 Resp: 115401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.0 | 0.0 | 168.0 |
| 176 | 81.3 | 0.0 | 162.6 |



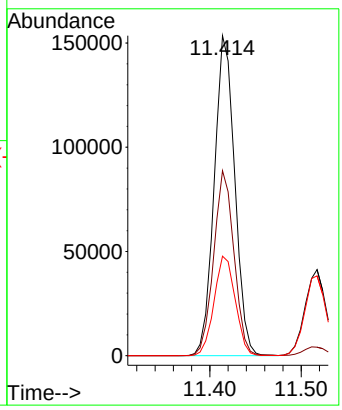


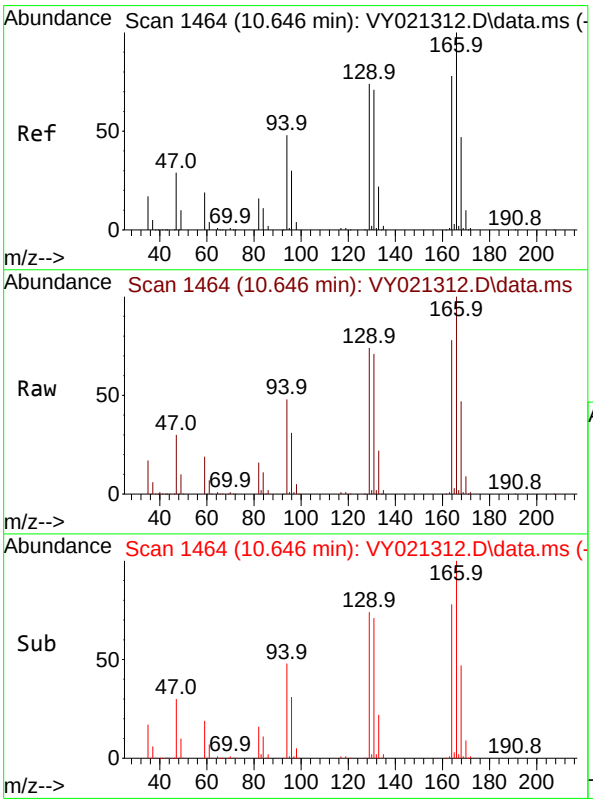

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:117 Resp: 239724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.8 | 46.2 | 69.4 |
| 119 | 31.1 | 24.9 | 37.3 |

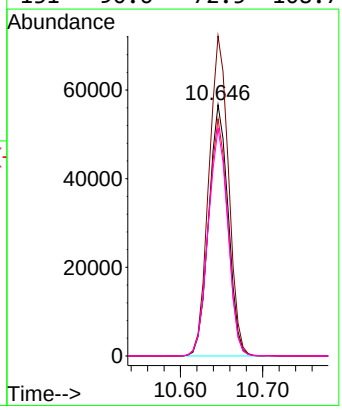


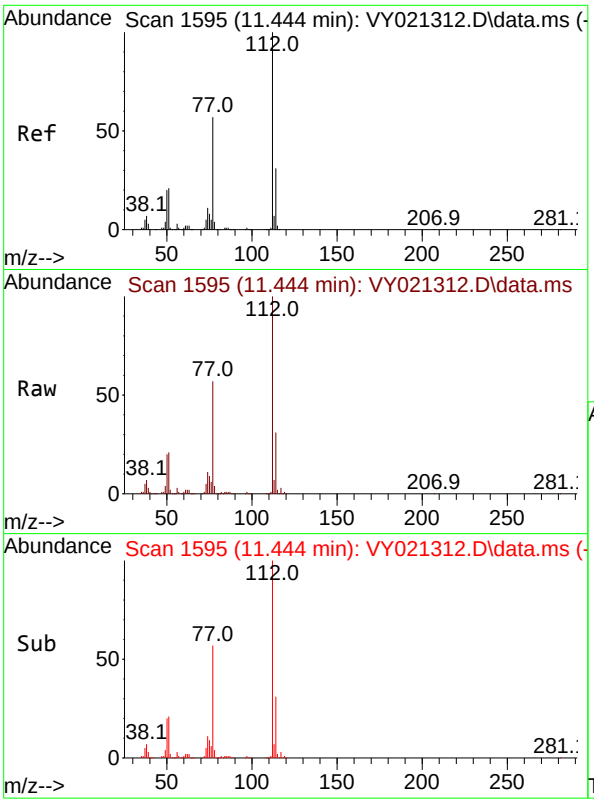




#64
Tetrachloroethene
Concen: 51.501 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:164 Resp: 93317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.4 | 101.9 | 152.9 |
| 129 | 94.4 | 75.5 | 113.3 |
| 131 | 90.6 | 72.5 | 108.7 |



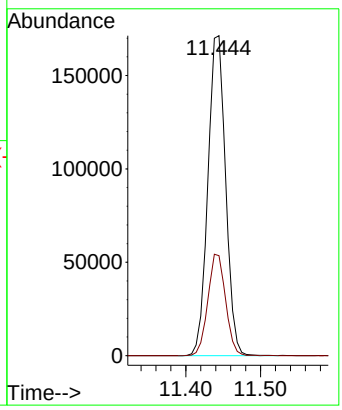


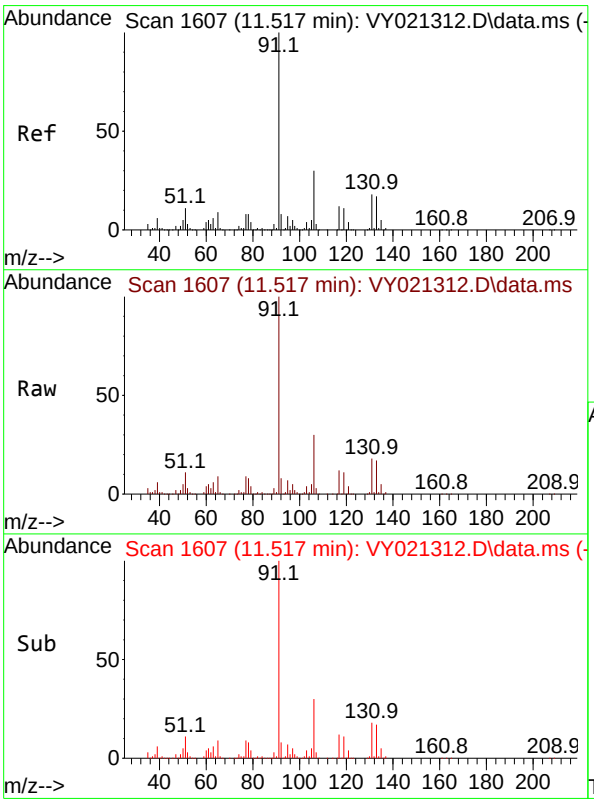

#65
Chlorobenzene
Concen: 52.390 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:112 Resp: 281918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 25.0 | 37.6 |

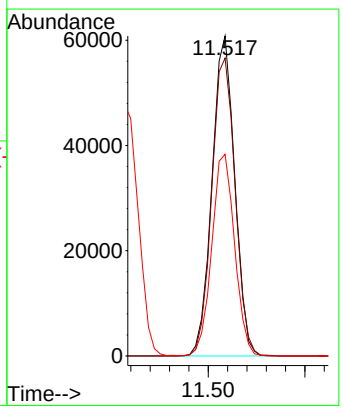


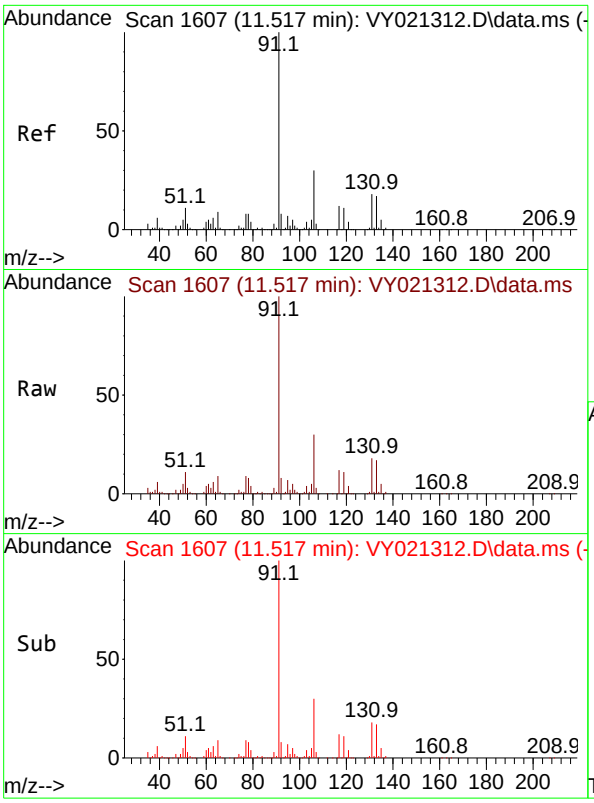




#66
1,1,1,2-Tetrachloroethane
Concen: 52.611 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:131 Resp: 99131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.7 | 47.9 | 143.6 |
| 119 | 63.4 | 31.7 | 95.1 |



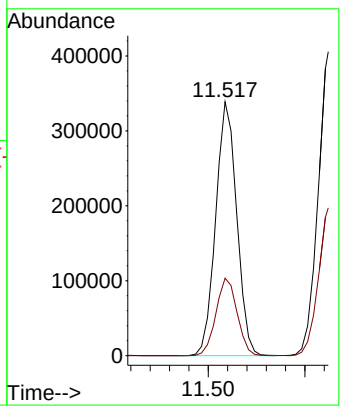


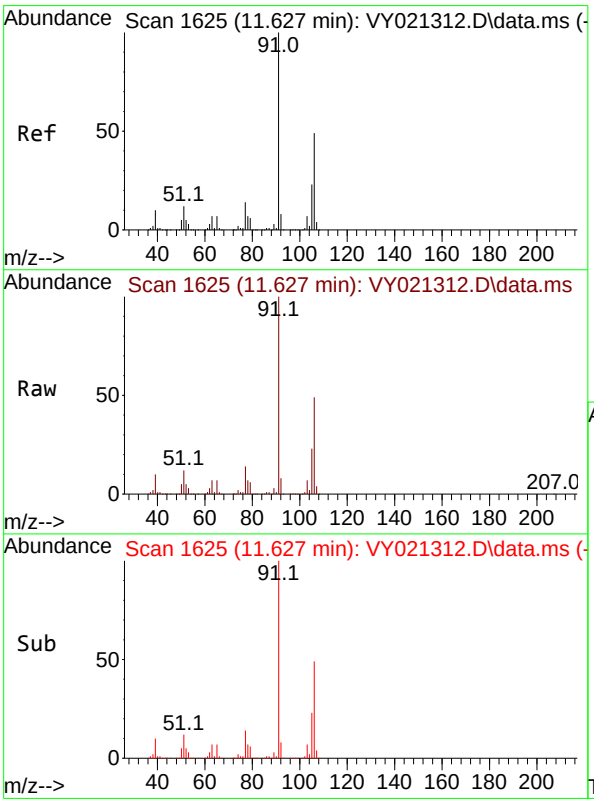

#67
Ethyl Benzene
Concen: 53.573 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 510639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.4 | 36.6 |

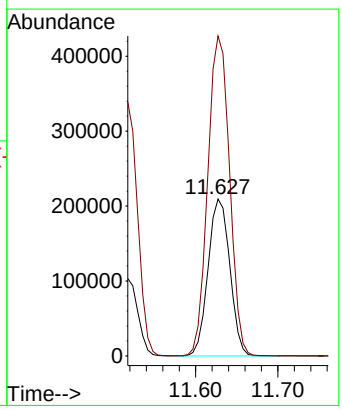


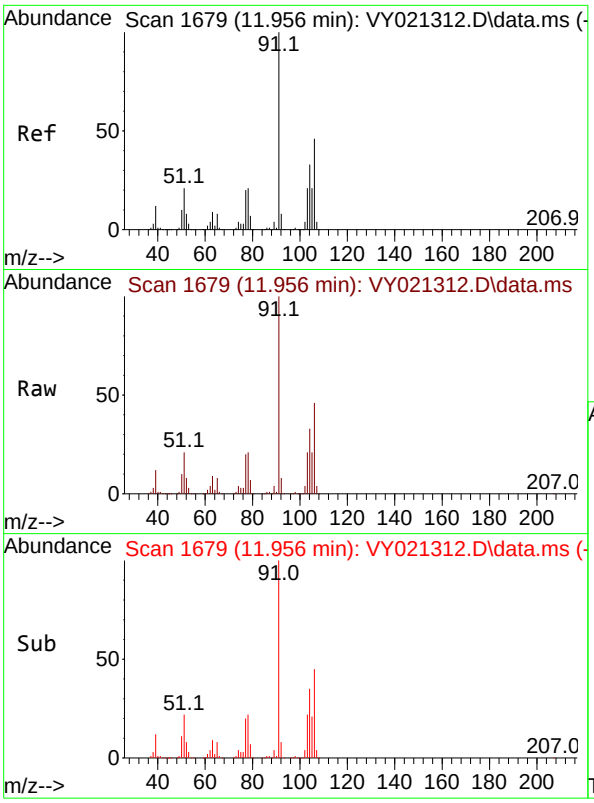




#68
m/p-Xylenes
Concen: 107.204 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:106 Resp: 384346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.9 | 163.9 | 245.9 |



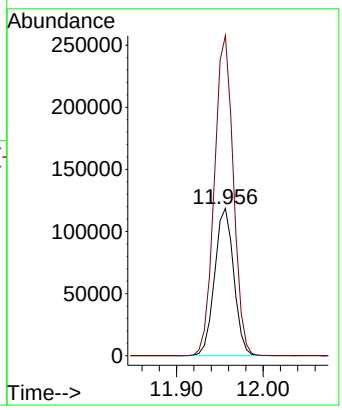


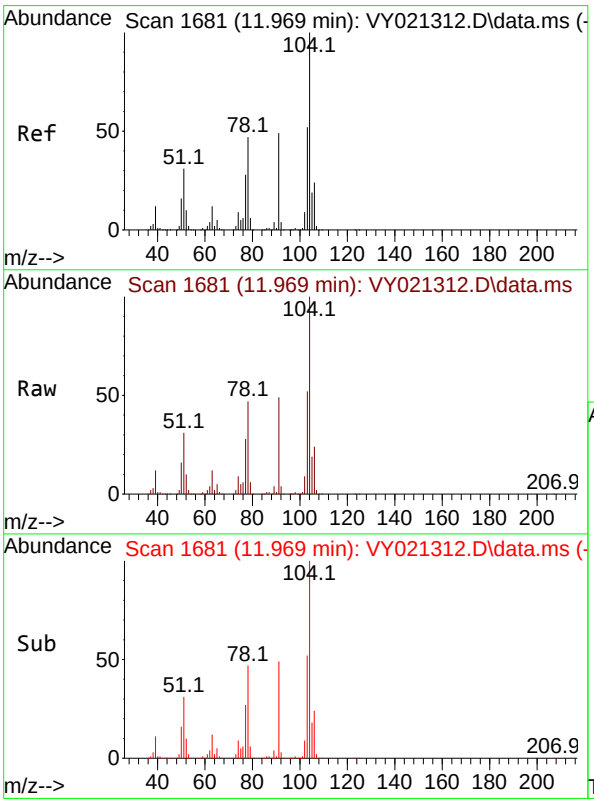

#69
o-Xylene
Concen: 54.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:106 Resp: 181728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.1 | 108.1 | 324.2 |

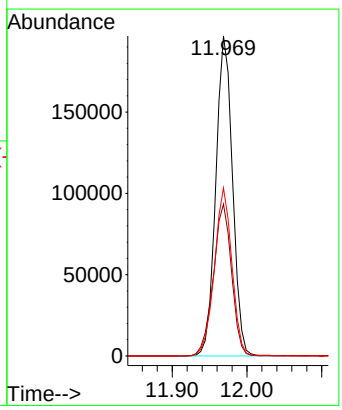


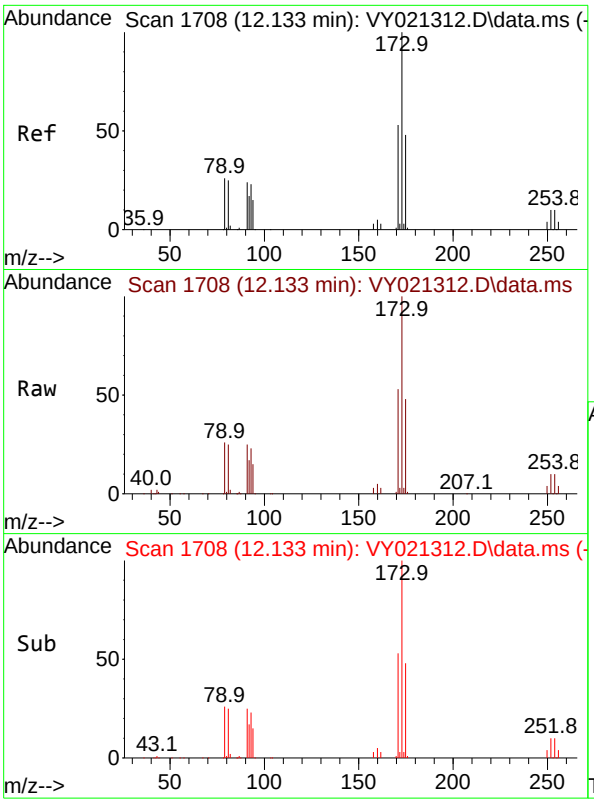




#70
Styrene
Concen: 54.760 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:104 Resp: 306007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.6 | 41.3 | 61.9 |
| 103 | 54.9 | 43.9 | 65.9 |



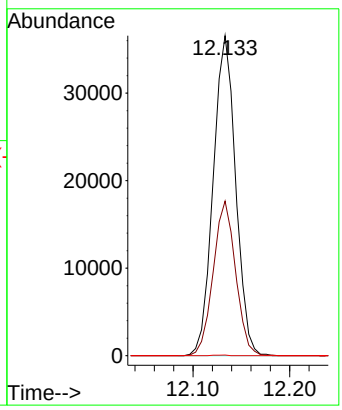


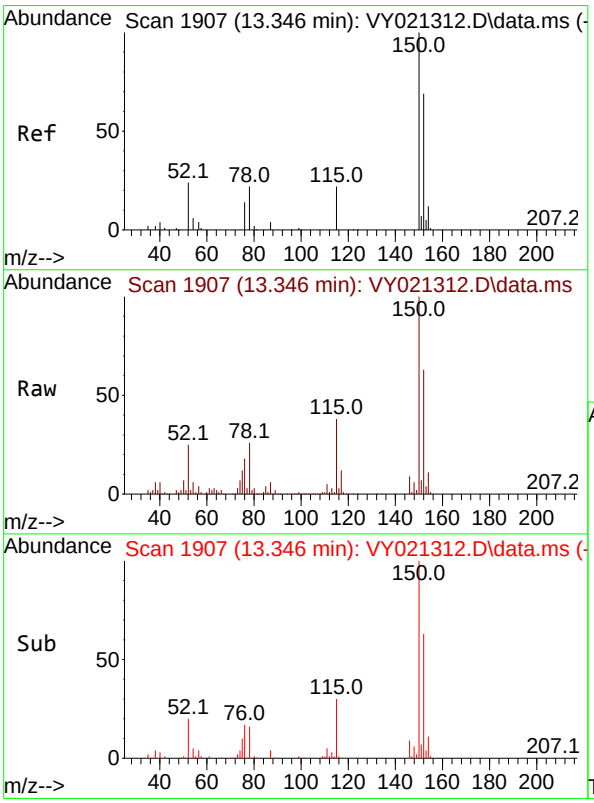

#71
Bromoform
Concen: 54.605 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:173 Resp: 58860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 24.1 | 72.3 |
| 254 | 0.1 | 0.1 | 0.1 |

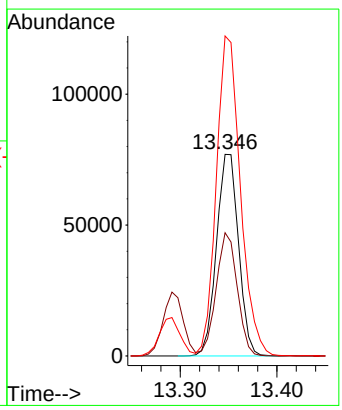


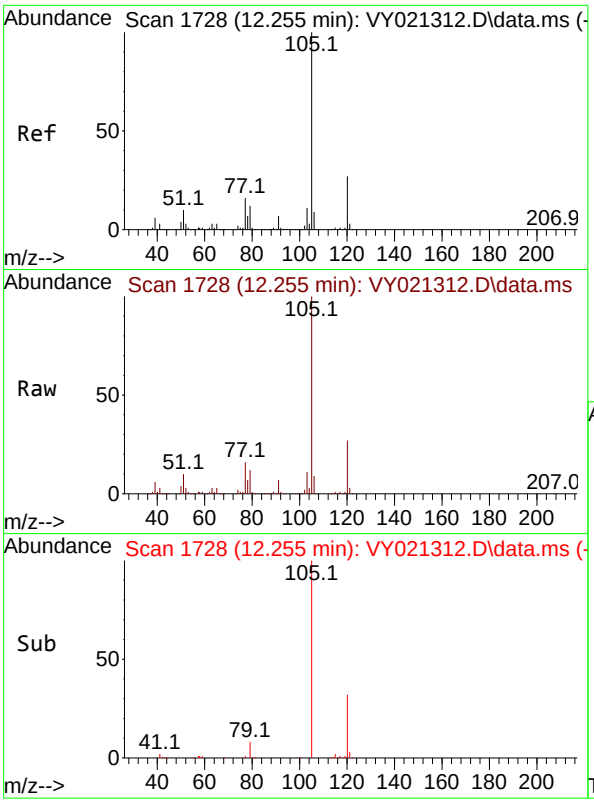




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:152 Resp: 121718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.7 | 29.3 | 88.0 |
| 150 | 173.7 | 0.0 | 347.4 |



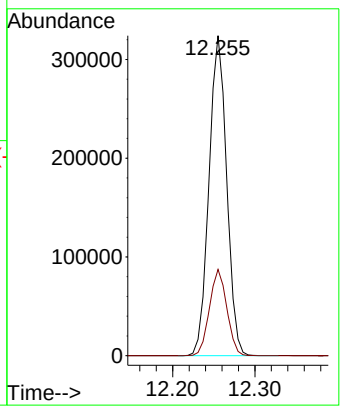


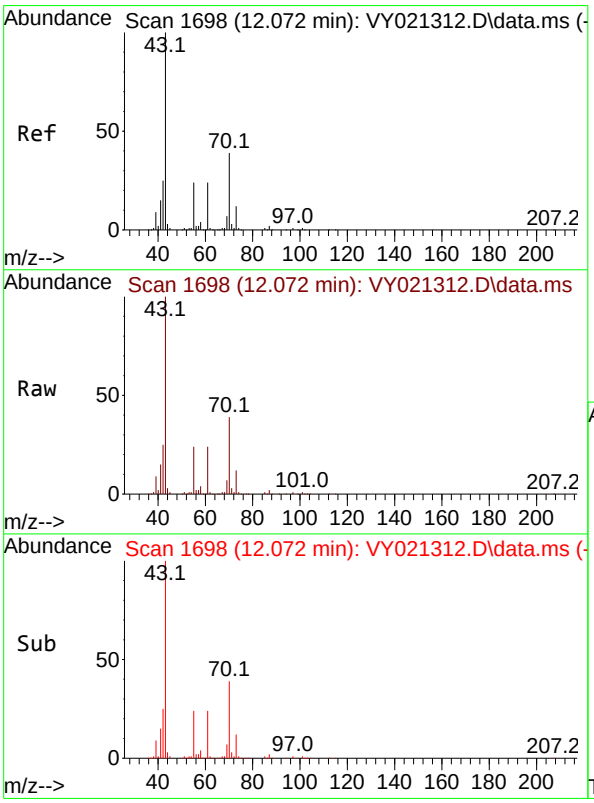

#73
Isopropylbenzene
Concen: 52.885 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 483937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.3 | 39.8 |

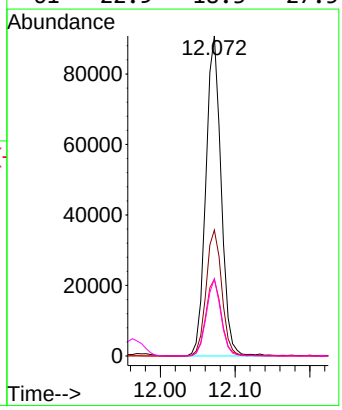


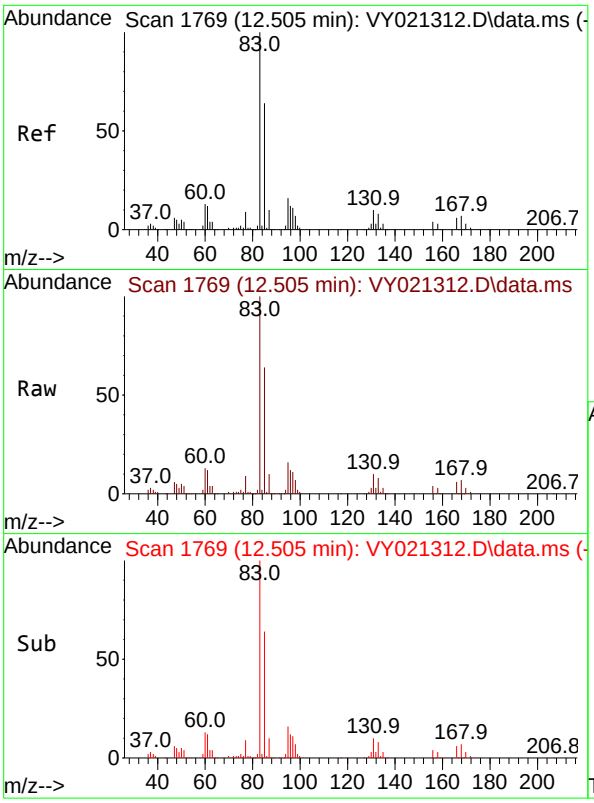




#74
N-amyl acetate
Concen: 55.471 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 129020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 32.2 | 48.2 |
| 55 | 24.5 | 19.6 | 29.4 |
| 61 | 22.9 | 18.3 | 27.5 |



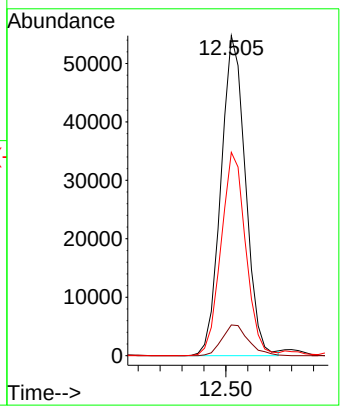


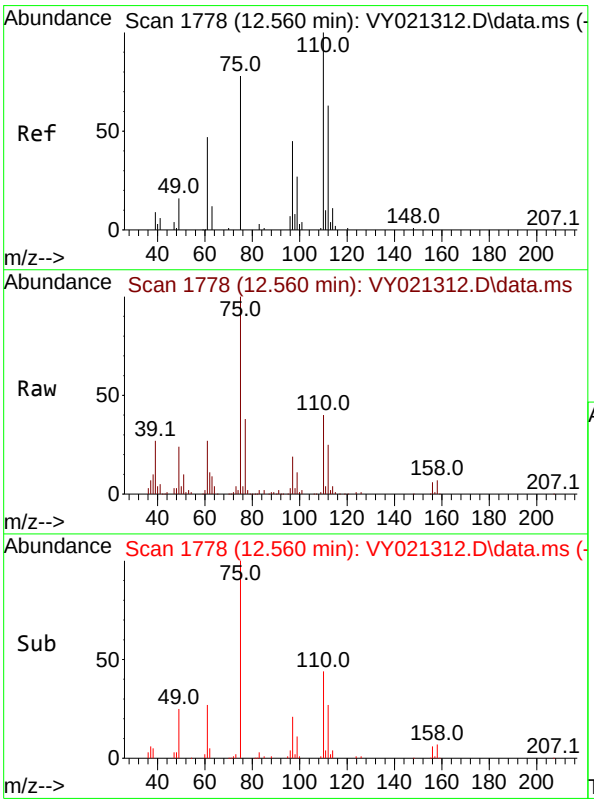

#75
1,1,2,2-Tetrachloroethane
Concen: 52.566 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 84893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 5.2 | 15.6 |
| 85 | 64.0 | 32.0 | 96.0 |

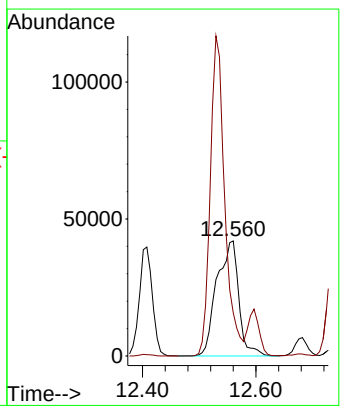


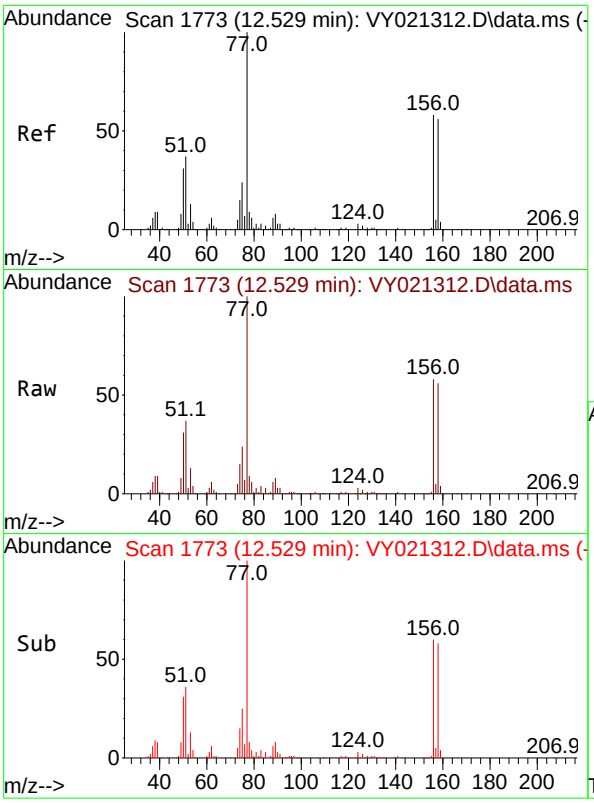




#76
1,2,3-Trichloropropane
Concen: 91.951 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 112709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



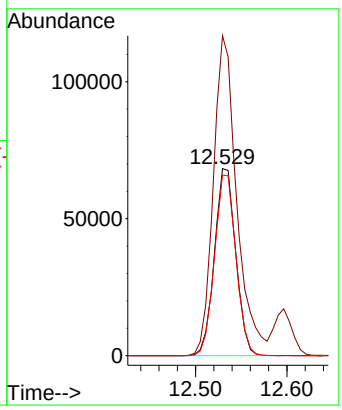


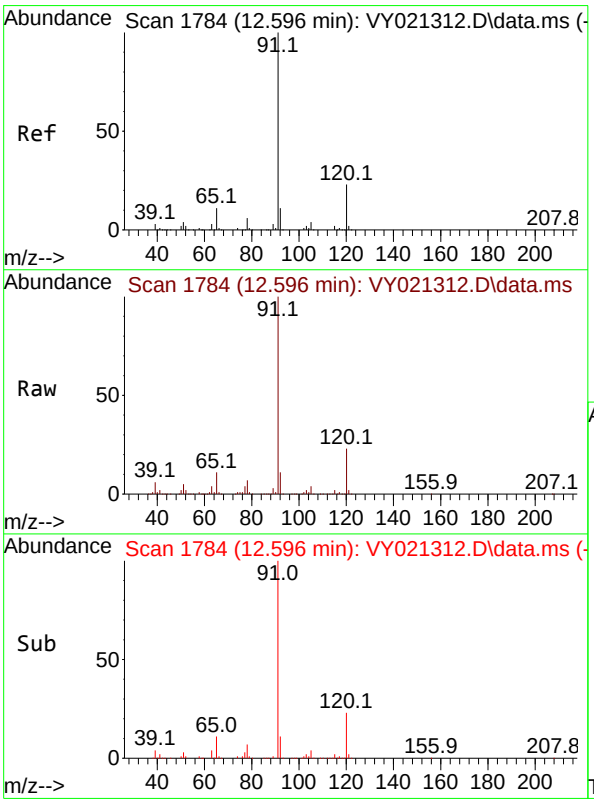

#77
Bromobenzene
Concen: 51.935 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:156 Resp: 110538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 188.1 | 94.0 | 282.1 |
| 158 | 97.4 | 48.7 | 146.1 |

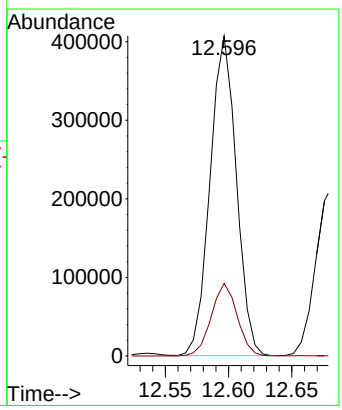


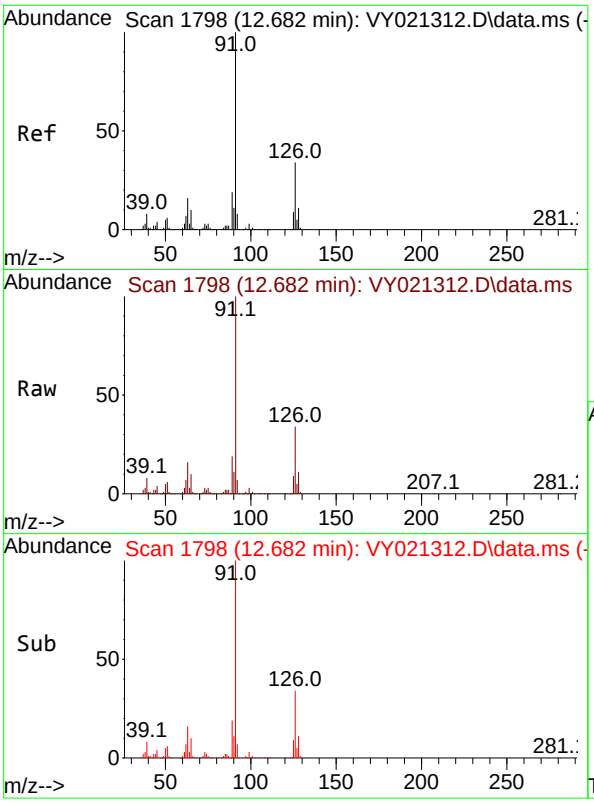




#78
n-propylbenzene
Concen: 52.946 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 587915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.2 | 33.5 |



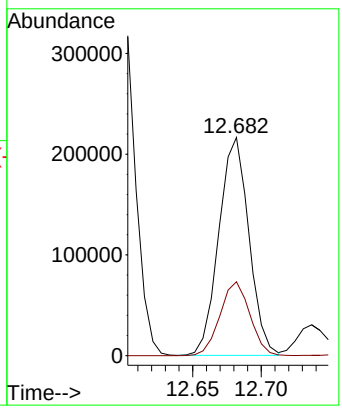


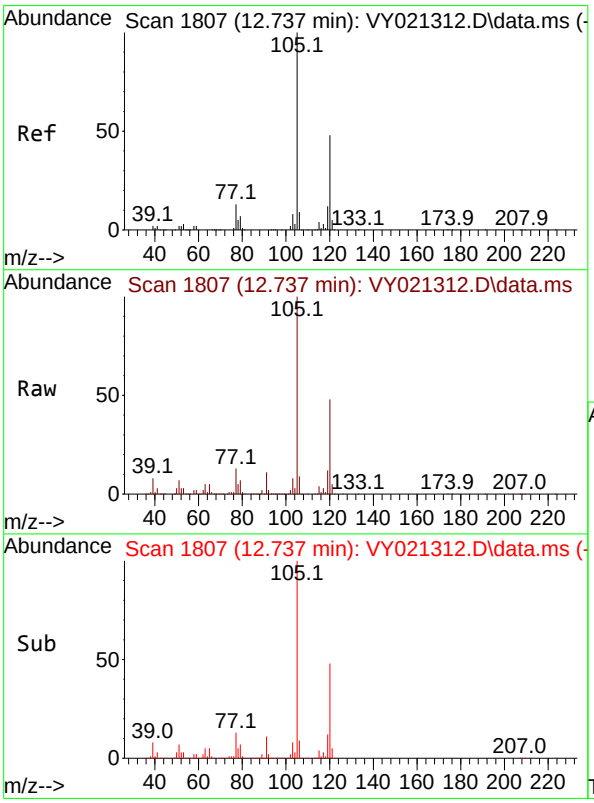

#79
2-Chlorotoluene
Concen: 51.857 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 330472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 16.9 | 50.6 |

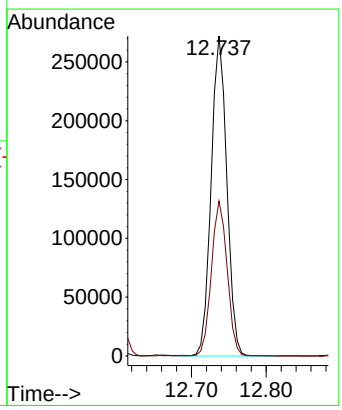


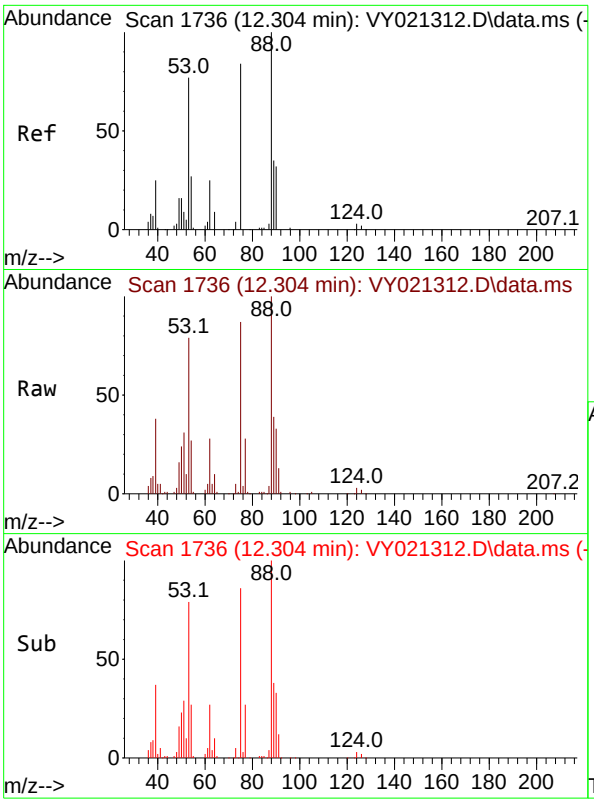




#80
1,3,5-Trimethylbenzene
Concen: 52.712 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.7 | 24.3 | 73.0 |



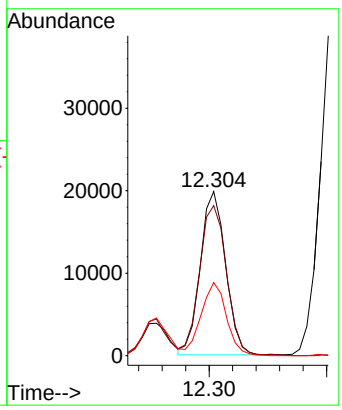


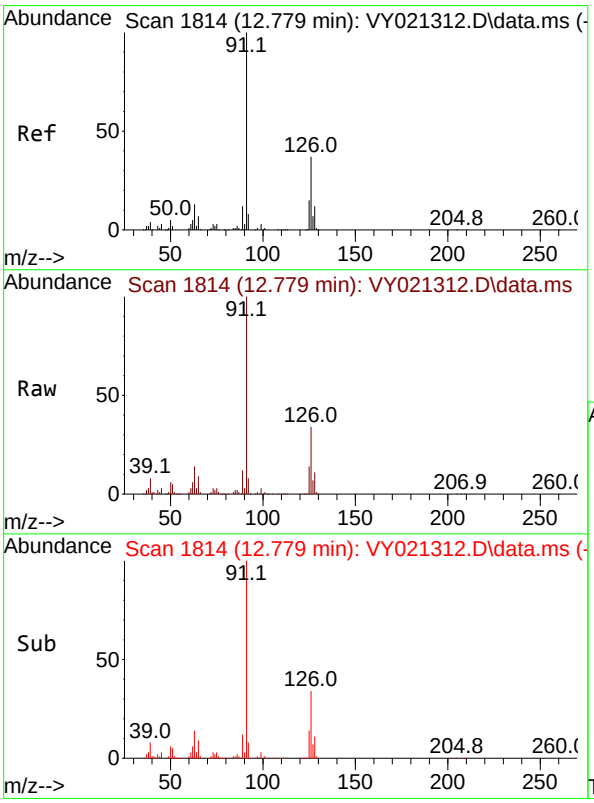

#81
trans-1,4-Dichloro-2-butene
Concen: 54.090 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 29649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.9 | 79.1 | 118.7 |
| 89 | 44.5 | 35.6 | 53.4 |

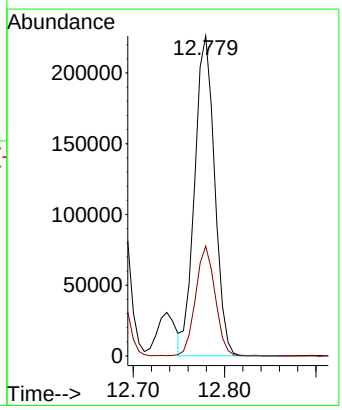


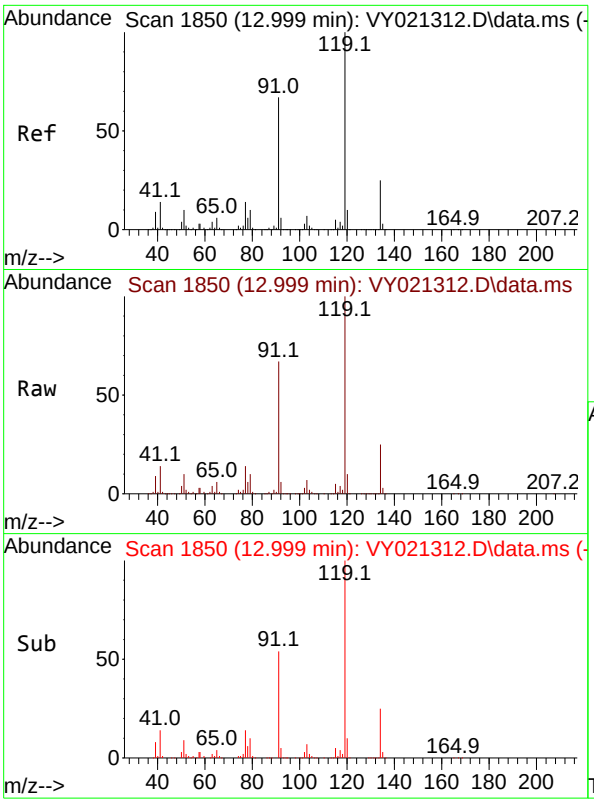




#82
4-Chlorotoluene
Concen: 51.864 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 342611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.8 | 50.4 |



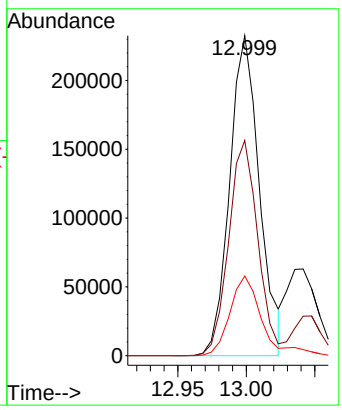


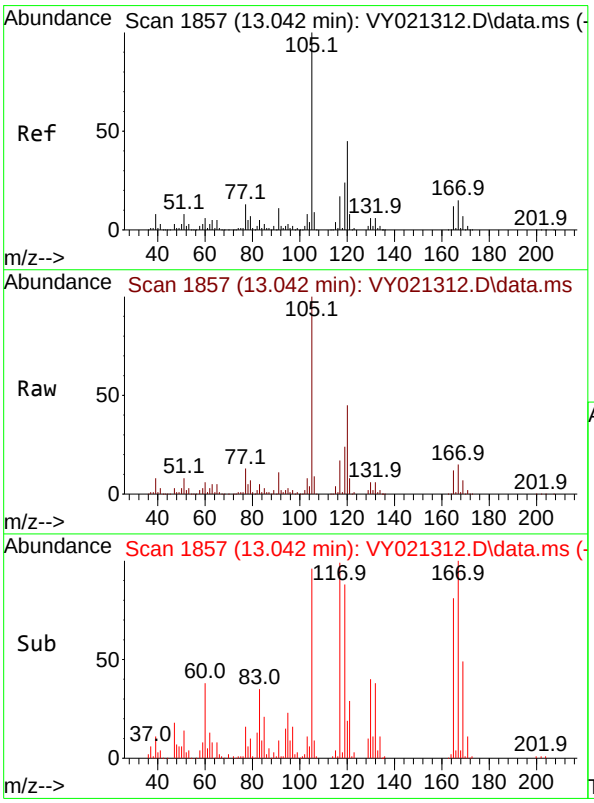

#83
tert-Butylbenzene
Concen: 51.930 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:119 Resp: 352055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.4 | 32.7 | 98.1 |
| 134 | 26.6 | 13.3 | 39.9 |

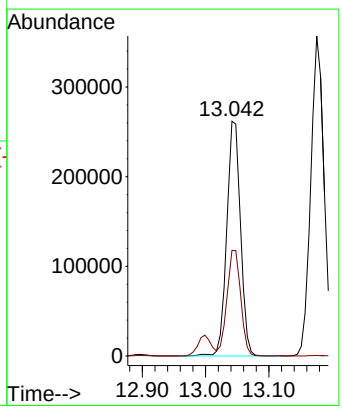


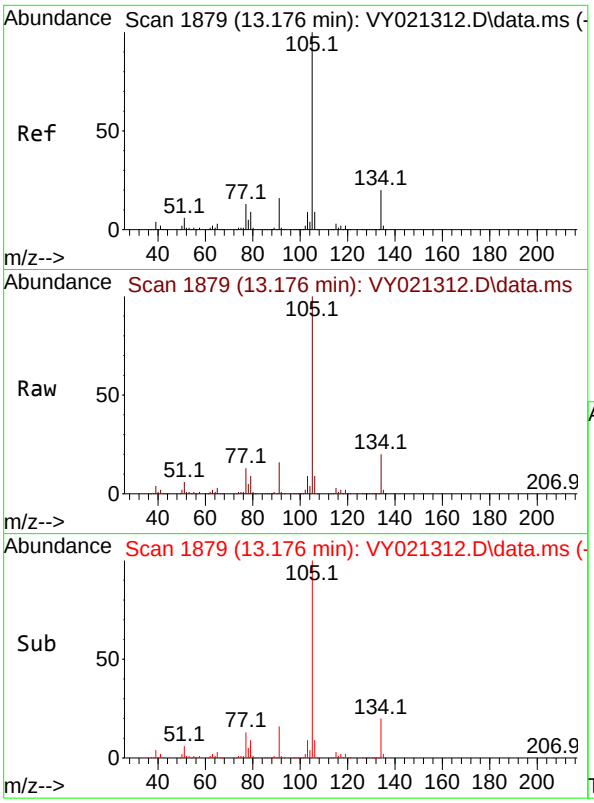




#84
1,2,4-Trimethylbenzene
Concen: 52.962 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.9 | 22.4 | 67.3 |



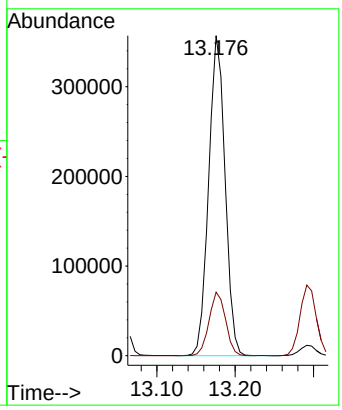


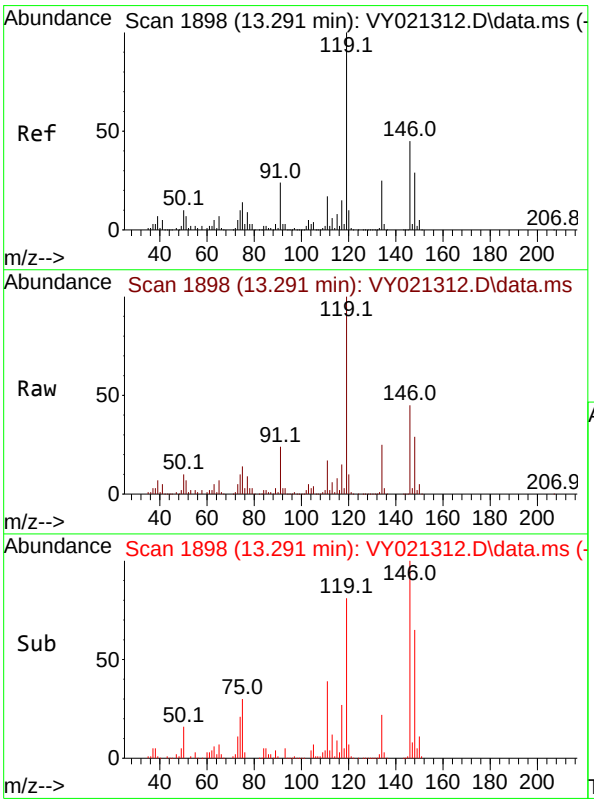

#85
sec-Butylbenzene
Concen: 52.319 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 518094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 10.0 | 30.0 |

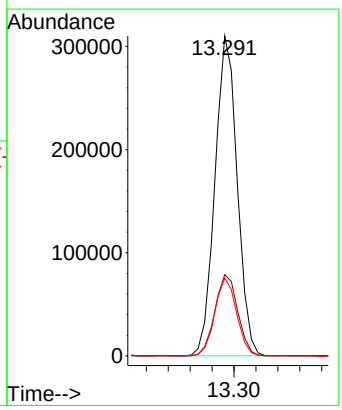


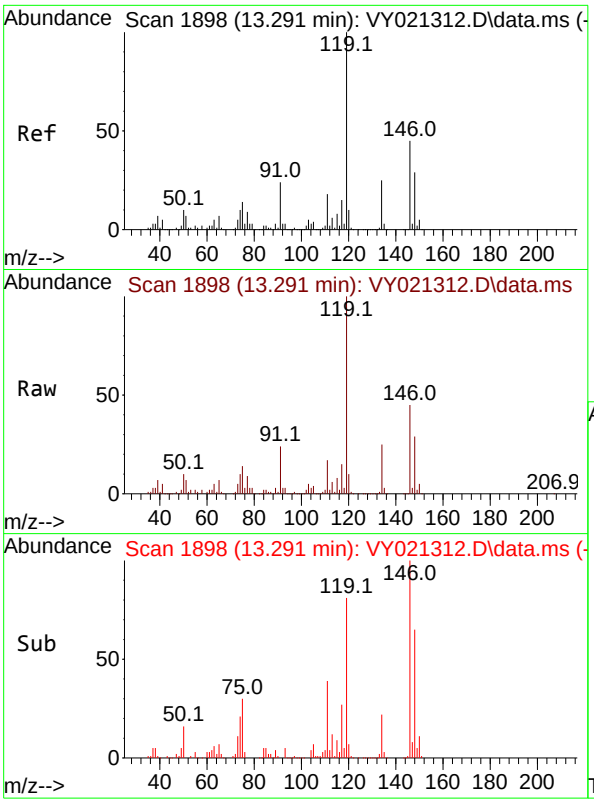




#86
p-Isopropyltoluene
Concen: 52.884 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 437283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.0 | 38.9 |
| 91 | 24.1 | 12.0 | 36.1 |



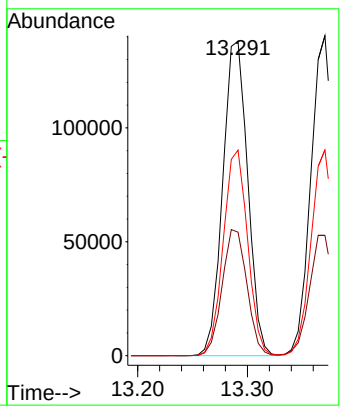


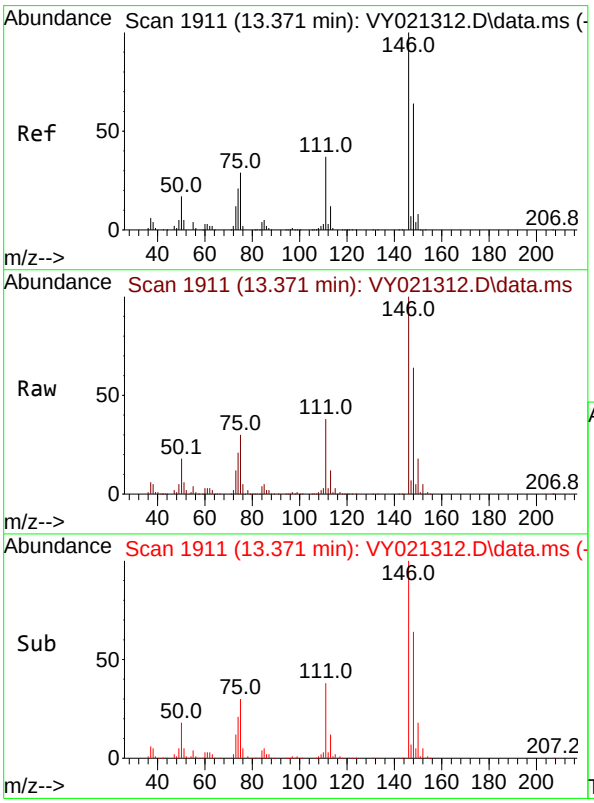

#87
1,3-Dichlorobenzene
Concen: 51.811 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 218136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 20.0 | 59.9 |
| 148 | 63.9 | 31.9 | 95.9 |

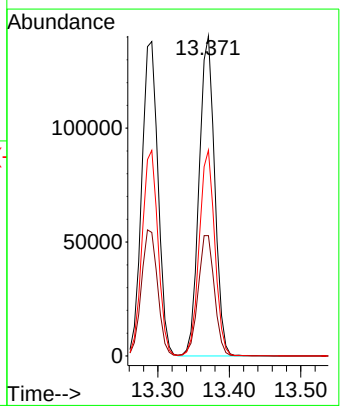


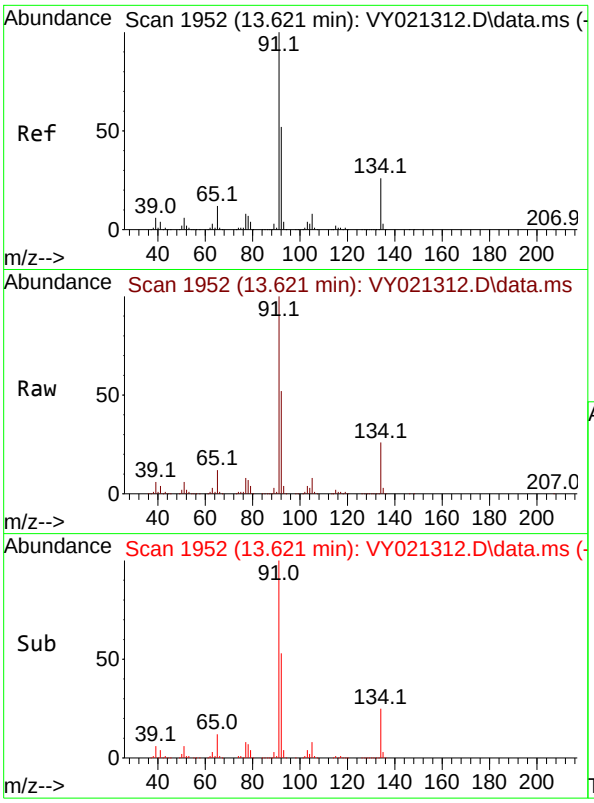




#88
1,4-Dichlorobenzene
Concen: 51.233 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 213090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.0 | 19.5 | 58.5 |
| 148 | 64.1 | 32.0 | 96.2 |



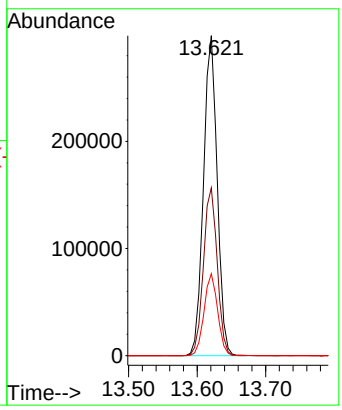


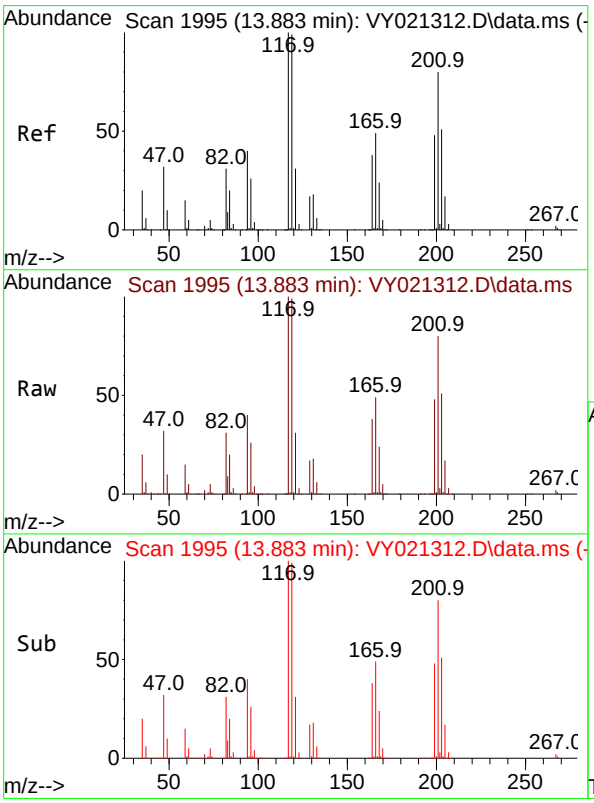

#89
n-Butylbenzene
Concen: 53.510 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 416377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.4 | 79.2 |
| 134 | 25.3 | 12.7 | 38.0 |

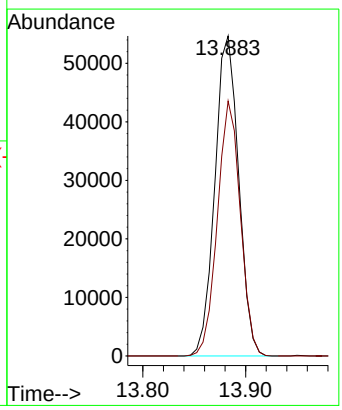


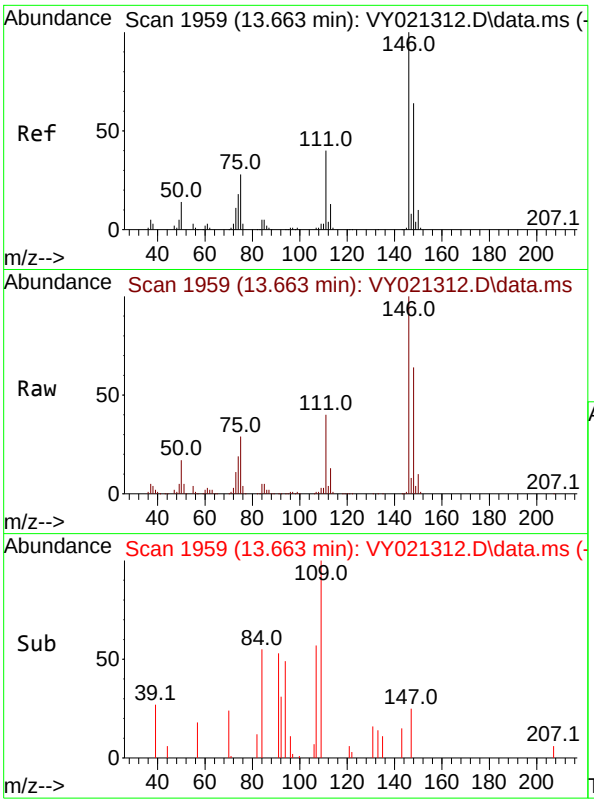




#90
Hexachloroethane
Concen: 50.814 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 87765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.8 | 38.4 | 115.2 |



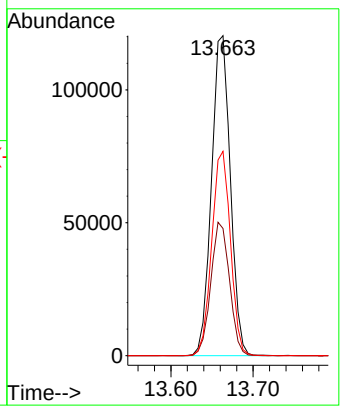


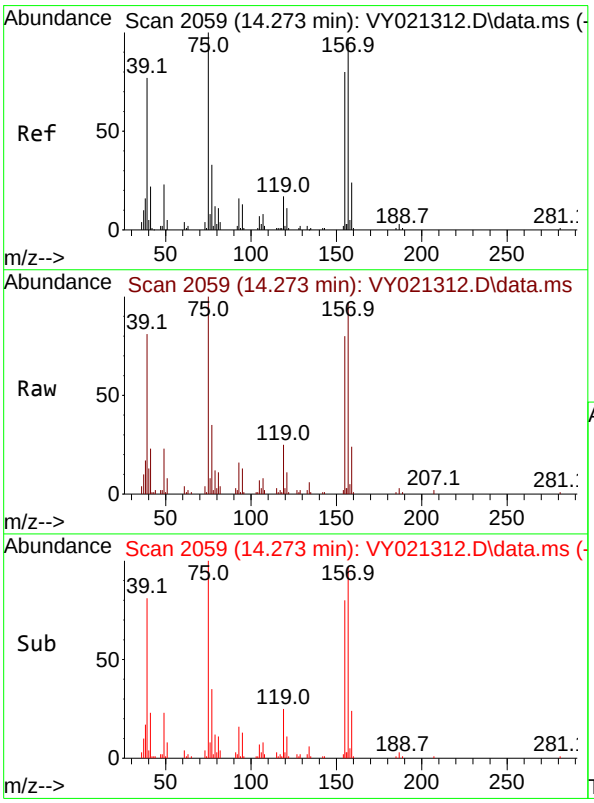

#91
1,2-Dichlorobenzene
Concen: 51.985 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 191758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 20.7 | 62.1 |
| 148 | 63.4 | 31.7 | 95.1 |

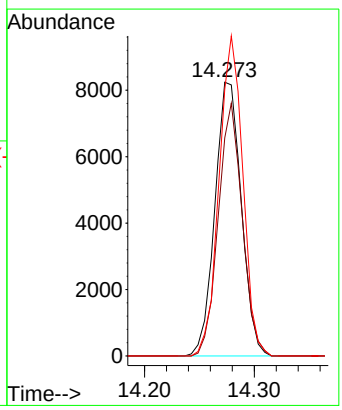


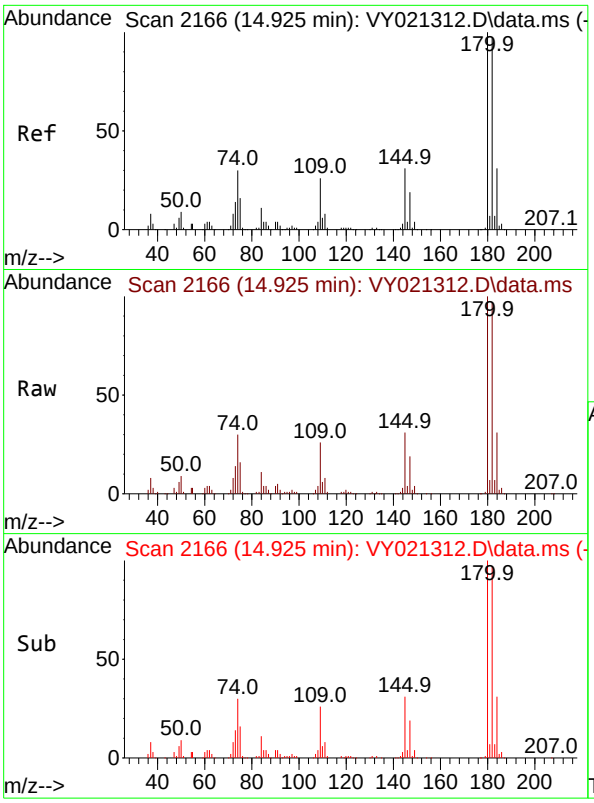




#92
1,2-Dibromo-3-Chloropropane
Concen: 53.947 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 13782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.7 | 41.9 | 125.6 |
| 157 | 105.1 | 52.5 | 157.6 |



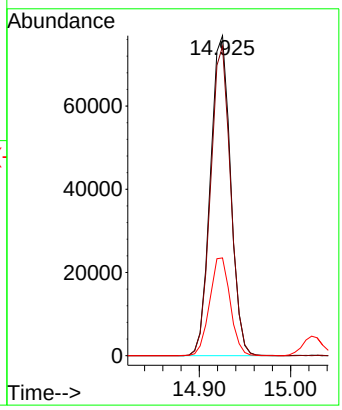


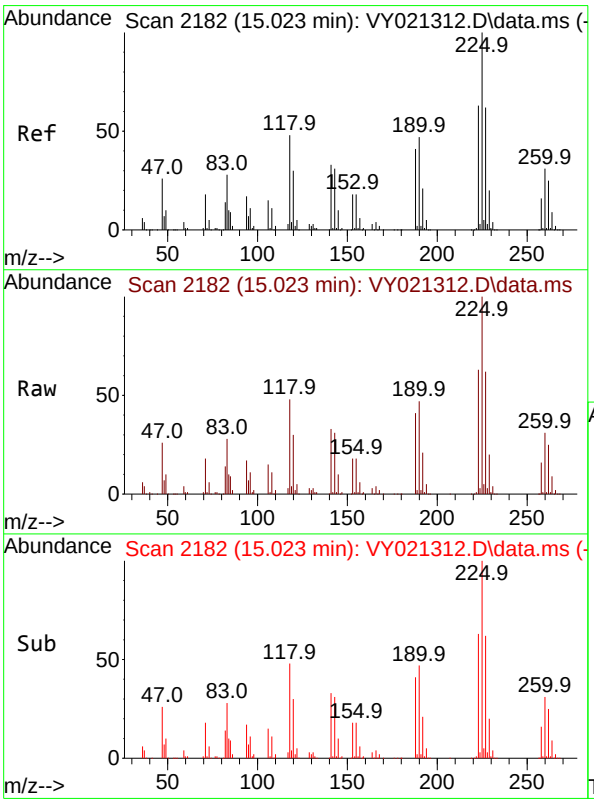

#93
1,2,4-Trichlorobenzene
Concen: 52.360 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:180 Resp: 117882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 47.9 | 143.7 |
| 145 | 31.2 | 15.6 | 46.8 |

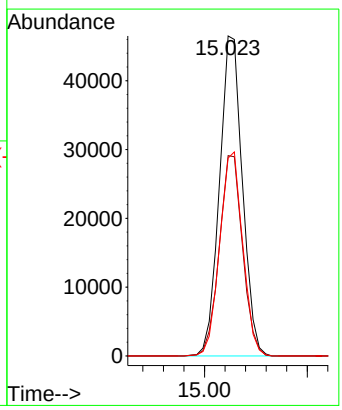


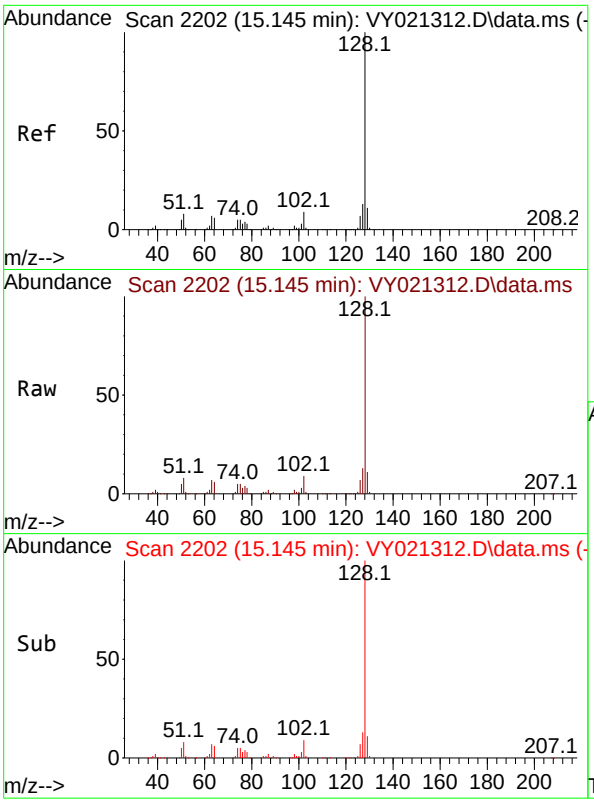




#94
Hexachlorobutadiene
Concen: 50.738 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:225 Resp: 71915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 31.8 | 95.4 |
| 227 | 63.8 | 31.9 | 95.7 |



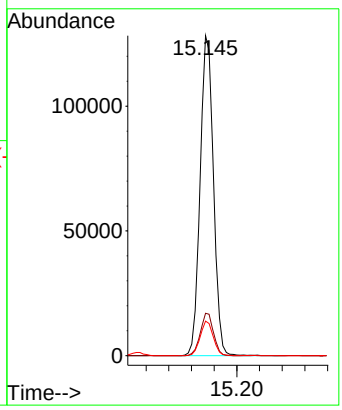


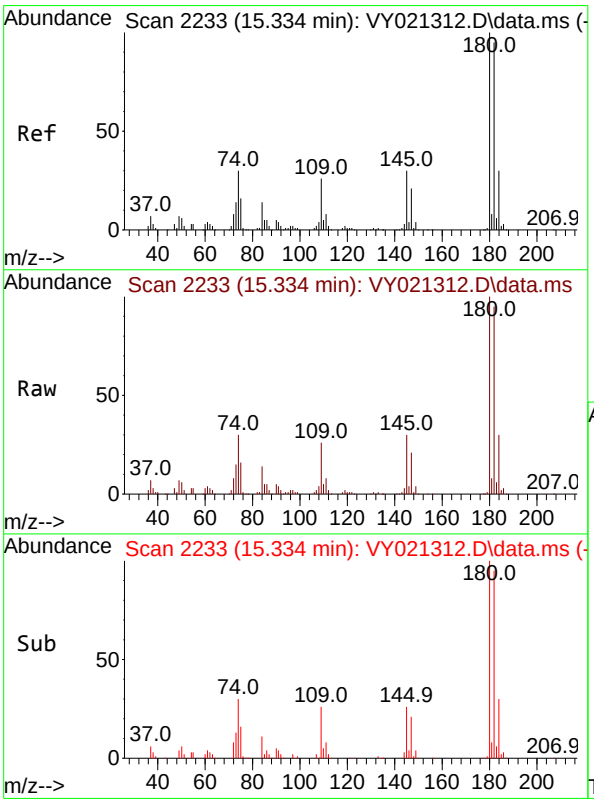

#95
Naphthalene
Concen: 56.174 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICCC050

Tgt Ion:128 Resp: 209478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.5 | 15.7 |
| 129 | 10.6 | 8.5 | 12.7 |

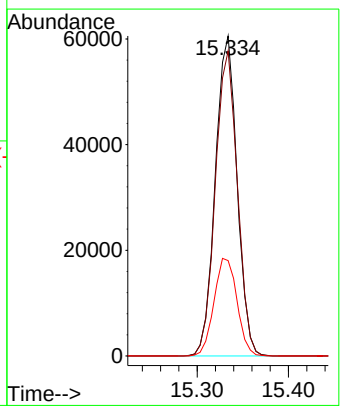



#96
1,2,3-Trichlorobenzene
Concen: 52.735 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 100312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 48.3 | 144.9 |
| 145 | 32.2 | 16.1 | 48.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 180458 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.609 | 114 | 283003 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 248493 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 121558 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 306215 | 149.582 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 299.160%# | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 283537 | 152.818 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 305.640%# | | | |
| 50) Toluene-d8 | 10.103 | 98 | 1094820 | 152.682 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 305.360%# | | | |
| 62) 4-Bromofluorobenzene | 12.401 | 95 | 369071 | 152.937 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 305.880%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 259643 | 151.753 | ug/l | 99 |
| 3) Chloromethane | 2.068 | 50 | 323414 | 146.365 | ug/l | 99 |
| 4) Vinyl Chloride | 2.202 | 62 | 328290 | 151.368 | ug/l | 97 |
| 5) Bromomethane | 2.580 | 94 | 200754 | 139.293 | ug/l | 100 |
| 6) Chloroethane | 2.726 | 64 | 197463 | 146.820 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 492238 | 150.283 | ug/l | 98 |
| 8) Diethyl Ether | 3.452 | 74 | 154649 | 157.312 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 3.811 | 101 | 293114 | 154.570 | ug/l | 99 |
| 10) Methyl Iodide | 4.000 | 142 | 338246 | 169.542 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.860 | 59 | 106628 | 677.165 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 280431 | 154.445 | ug/l | 98 |
| 13) Acrolein | 3.647 | 56 | 17213 | 142.652 | ug/l | 96 |
| 14) Allyl chloride | 4.378 | 41 | 507854 | 157.755 | ug/l | 98 |
| 15) Acrylonitrile | 5.055 | 53 | 344988 | 793.713 | ug/l | 99 |
| 16) Acetone | 3.860 | 43 | 280172 | 713.470 | ug/l | 97 |
| 17) Carbon Disulfide | 4.104 | 76 | 908476 | 150.676 | ug/l | 99 |
| 18) Methyl Acetate | 4.378 | 43 | 149226 | 155.496 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.110 | 73 | 763596 | 159.172 | ug/l | 100 |
| 20) Methylene Chloride | 4.610 | 84 | 296032 | 139.409 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 308627 | 154.401 | ug/l | 98 |
| 22) Diisopropyl ether | 6.018 | 45 | 1028788 | 154.433 | ug/l | 96 |
| 23) Vinyl Acetate | 5.957 | 43 | 3191401 | 801.685 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 572832 | 152.564 | ug/l | 98 |
| 25) 2-Butanone | 6.890 | 43 | 462541 | 780.449 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 515178 | 151.214 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 354979 | 155.519 | ug/l | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 251245 | 151.227 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.256 | 42 | 309130 | 797.978 | ug/l | 99 |
| 30) Chloroform | 7.421 | 83 | 574920 | 151.112 | ug/l | 100 |
| 31) Cyclohexane | 7.695 | 56 | 525636 | 145.637 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 529792 | 152.986 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 429157 | 153.985 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 216920 | 156.470 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 481774 | 153.764 | ug/l | 99 |
| 39) Methylcyclohexane | 9.103 | 83 | 563132 | 159.752 | ug/l | 97 |
| 40) Benzene | 8.079 | 78 | 1249573 | 151.673 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 123663 | 159.542 ug/l | | 95 |
| 42) 1,2-Dichloroethane | 8.152 | 62 | 355374 | 152.036 ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 433742 | 161.641 ug/l | | 98 |
| 44) Trichloroethene | 8.865 | 130 | 318590 | 154.457 ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 302967 | 152.809 ug/l | | 99 |
| 46) Dibromomethane | 9.231 | 93 | 168654 | 155.620 ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 448398 | 155.172 ug/l | | 99 |
| 48) Methyl methacrylate | 9.219 | 41 | 213222 | 169.923 ug/l | | 100 |
| 49) 1,4-Dioxane | 9.225 | 88 | 38142 | 3165.209 ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 9.993 | 43 | 1121500 | 816.471 ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 794485 | 155.232 ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 432560 | 163.384 ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 493601 | 157.928 ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 215312 | 152.506 ug/l | | 98 |
| 56) Ethyl methacrylate | 10.438 | 69 | 337816 | 173.168 ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 385803 | 155.726 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 761125 | 812.859 ug/l | | 100 |
| 59) 2-Hexanone | 10.755 | 43 | 754575 | 836.458 ug/l | | 98 |
| 60) Dibromochloromethane | 10.908 | 129 | 299188 | 155.598 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 208046 | 155.651 ug/l | | 99 |
| 64) Tetrachloroethene | 10.646 | 164 | 288026 | 153.351 ug/l | | 98 |
| 65) Chlorobenzene | 11.438 | 112 | 863676 | 154.837 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131 | 301244 | 154.234 ug/l | | 100 |
| 67) Ethyl Benzene | 11.517 | 91 | 1576743 | 159.586 ug/l | | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 1167839 | 314.246 ug/l | | 100 |
| 69) o-Xylene | 11.950 | 106 | 550972 | 158.258 ug/l | | 99 |
| 70) Styrene | 11.969 | 104 | 936967 | 161.754 ug/l | | 100 |
| 71) Bromoform | 12.133 | 173 | 175918 | 157.441 ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 1461905 | 159.969 ug/l | | 99 |
| 74) N-amyl acetate | 12.066 | 43 | 403238 | 173.596 ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 251216 | 155.759 ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 339496 | 277.334 ug/l | # | 100 |
| 77) Bromobenzene | 12.529 | 156 | 333772 | 157.025 ug/l | | 99 |
| 78) n-propylbenzene | 12.597 | 91 | 1765636 | 159.217 ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 995452 | 156.411 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 1190462 | 158.830 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 92910 | 169.722 ug/l | | 98 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 1021811 | 154.883 ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 1094125 | 161.602 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 1192062 | 159.915 ug/l | | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 1558540 | 157.594 ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 1327819 | 160.795 ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.285 | 146 | 648204 | 154.161 ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 635981 | 153.109 ug/l | | 100 |
| 89) n-Butylbenzene | 13.615 | 91 | 1269399 | 163.350 ug/l | | 99 |
| 90) Hexachloroethane | 13.877 | 117 | 275368 | 159.641 ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 570360 | 154.826 ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 42060 | 164.851 ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 384163 | 170.860 ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 224602 | 158.670 ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 694625 | 186.517 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 326876 | 172.067 ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

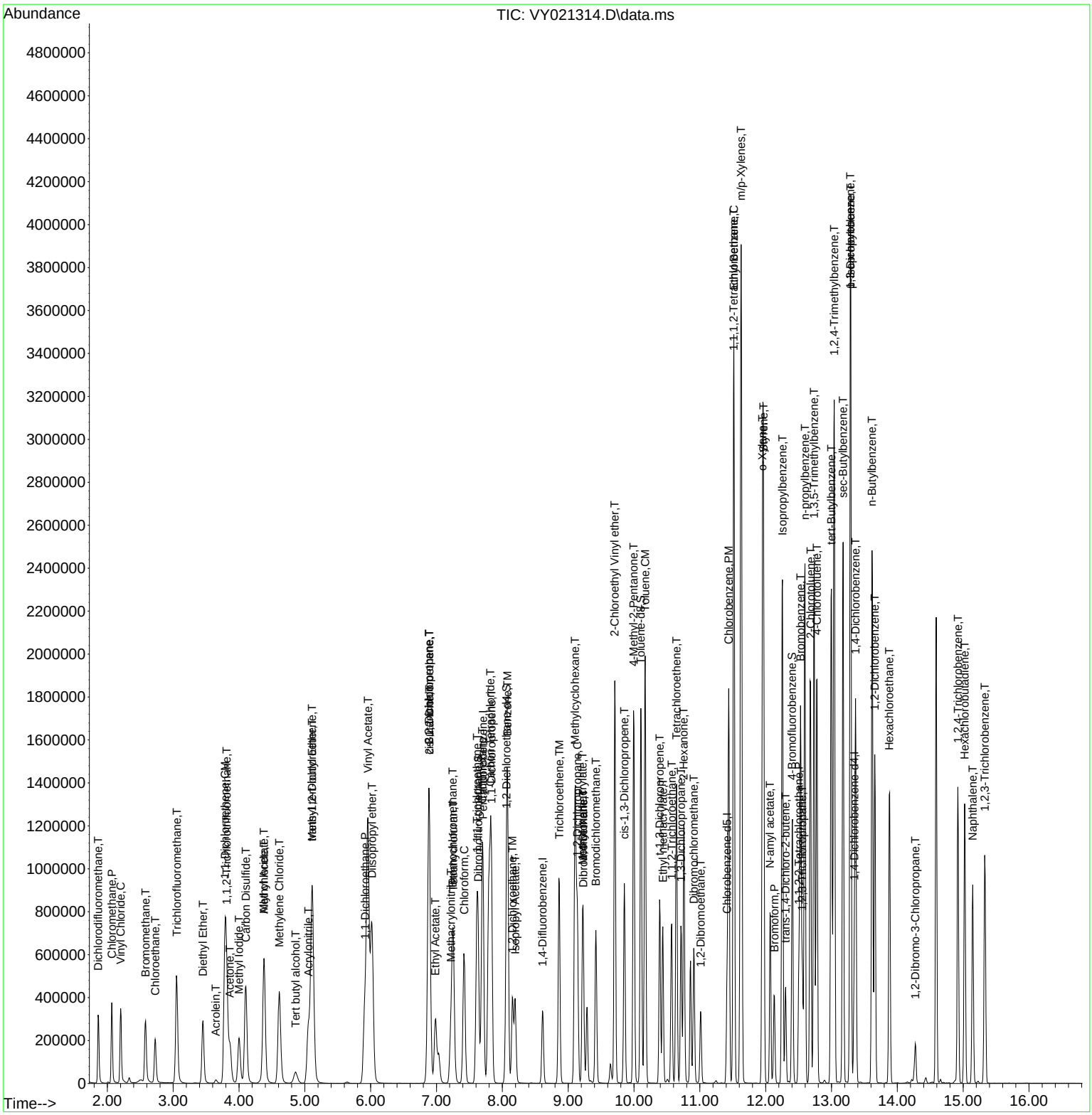
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

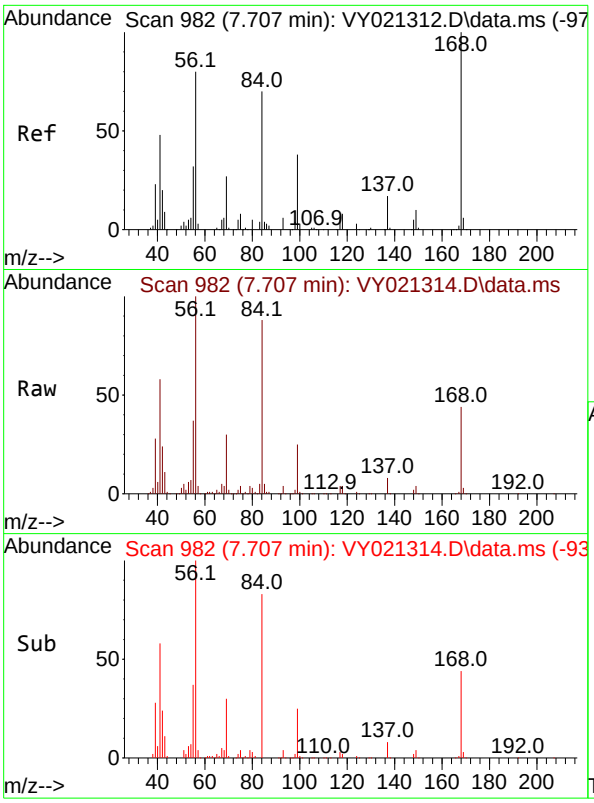
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



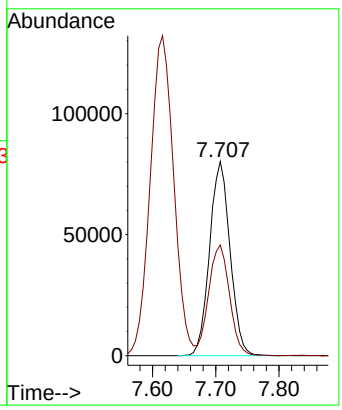


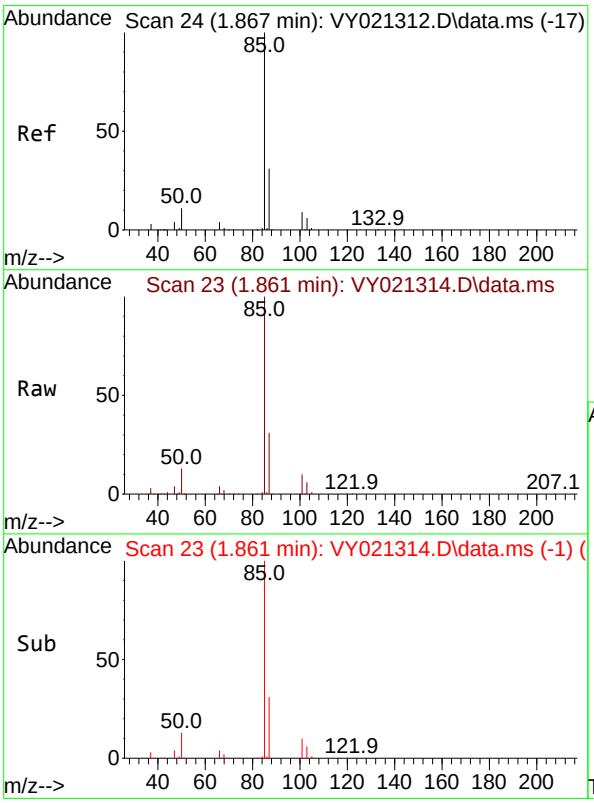

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:168 Resp: 180458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.0 | 47.1 | 70.7 |

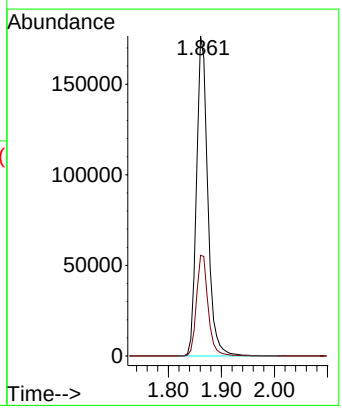


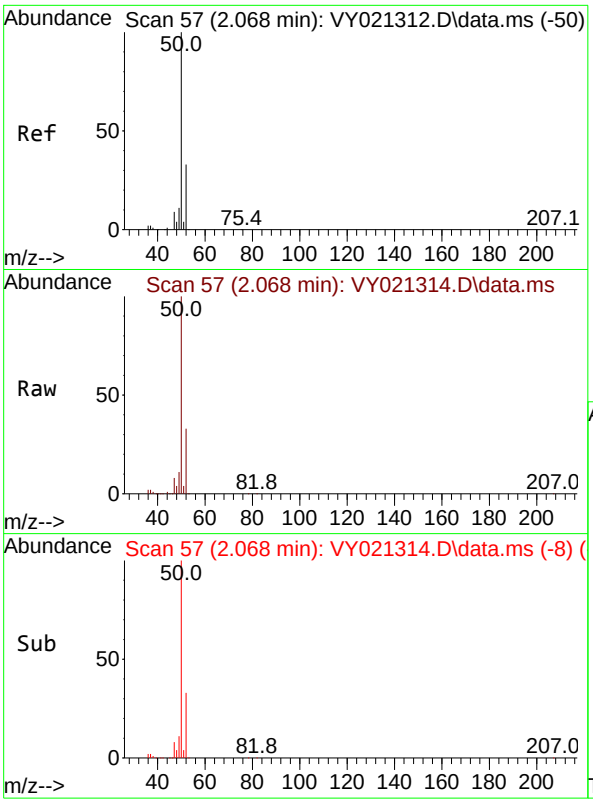




#2
Dichlorodifluoromethane
Concen: 151.753 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 85 Resp: 259643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 15.4 | 46.4 |



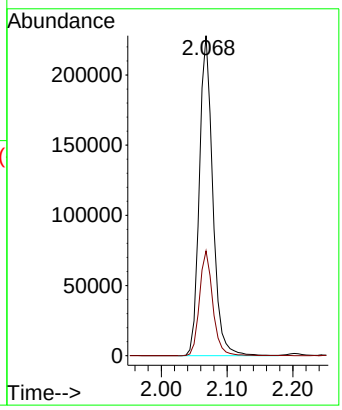


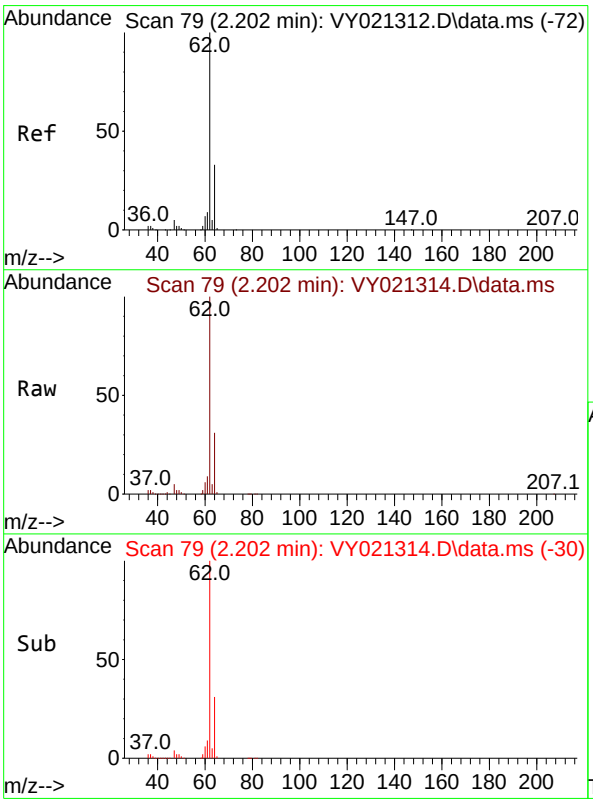

#3
Chloromethane
Concen: 146.365 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 50 Resp: 323414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.7 | 26.6 | 40.0 |

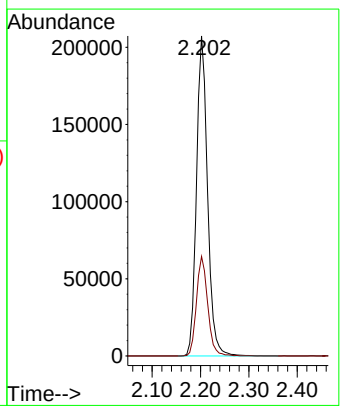


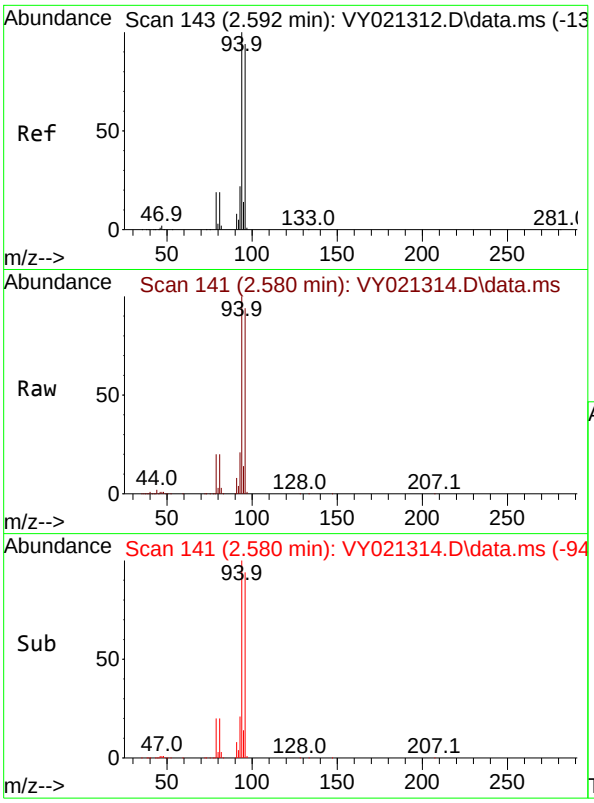




#4
Vinyl Chloride
Concen: 151.368 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 328290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 26.3 | 39.5 |



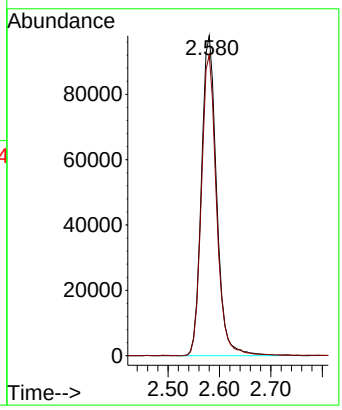


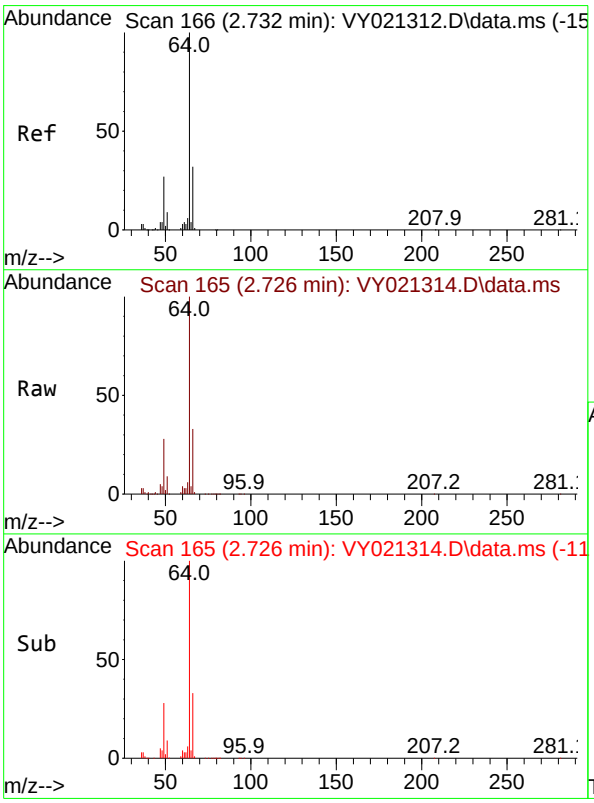

#5
Bromomethane
Concen: 139.293 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 94 Resp: 200754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.9 | 75.2 | 112.8 |

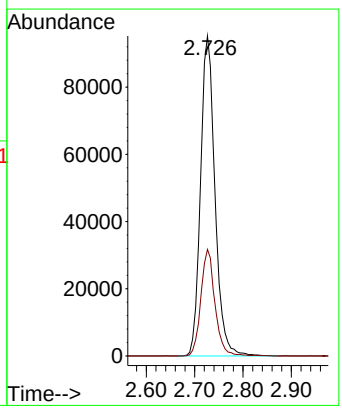


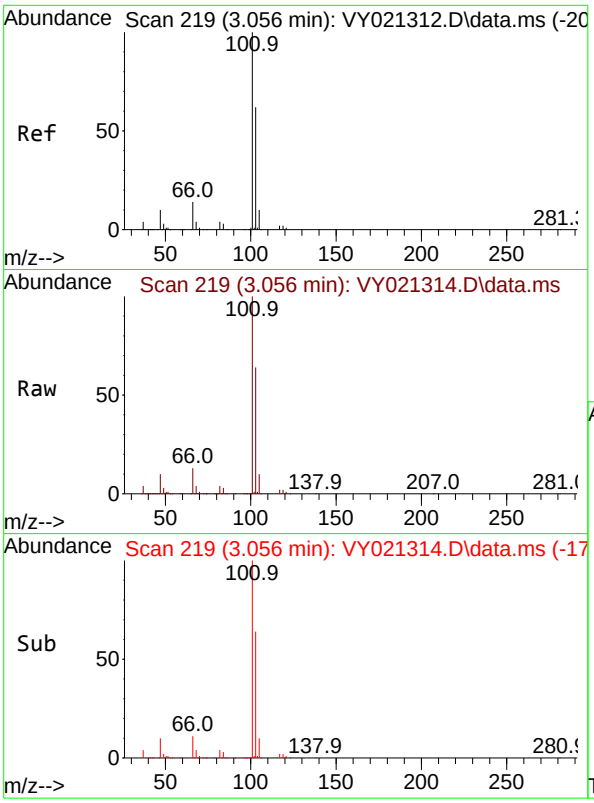




#6
Chloroethane
Concen: 146.820 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 64 Resp: 197463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.3 | 25.4 | 38.0 |



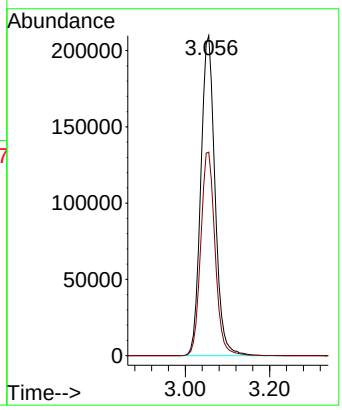


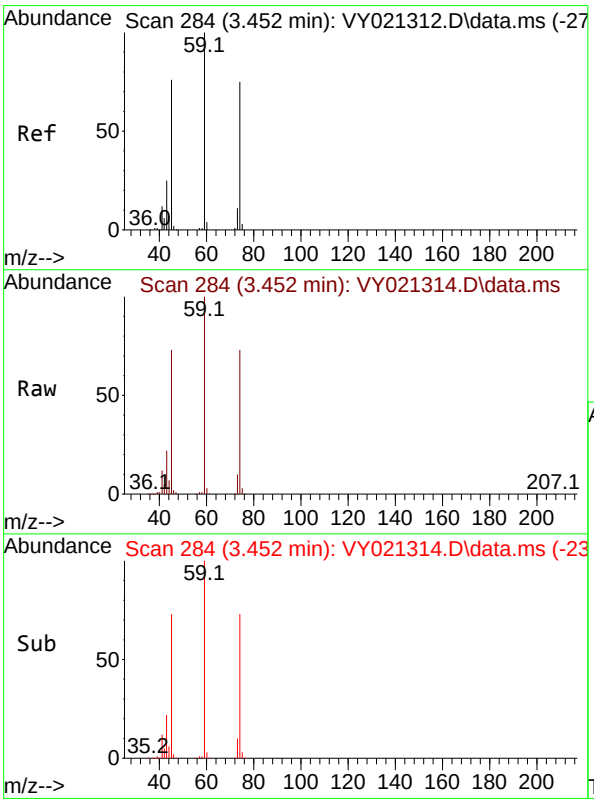

#7
Trichlorofluoromethane
Concen: 150.283 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 492238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.6 | 49.7 | 74.5 |

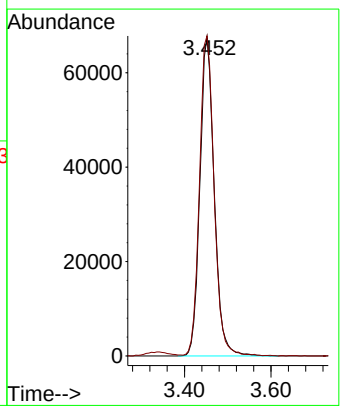


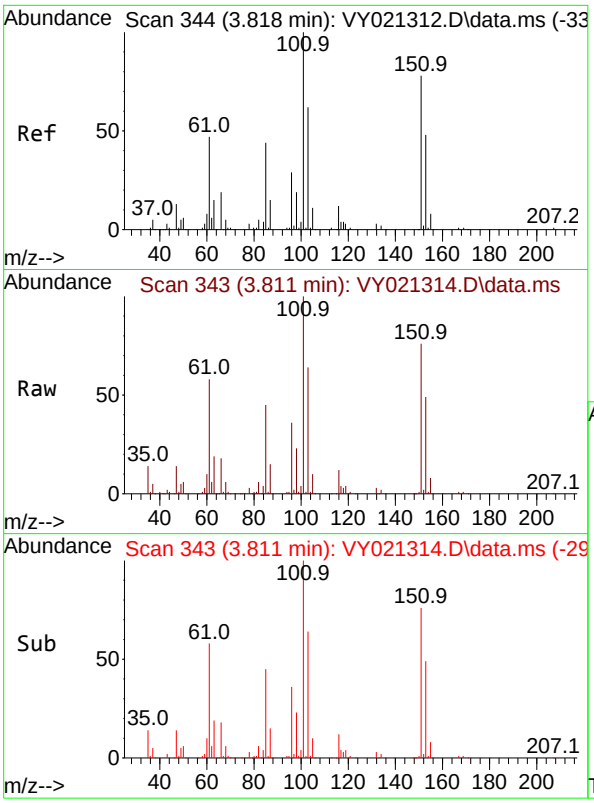




#8
Diethyl Ether
Concen: 157.312 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 74 Resp: 154649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.0 | 50.3 | 150.9 |



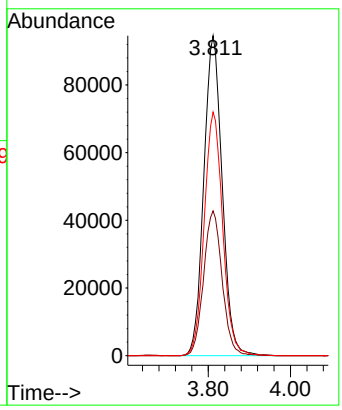


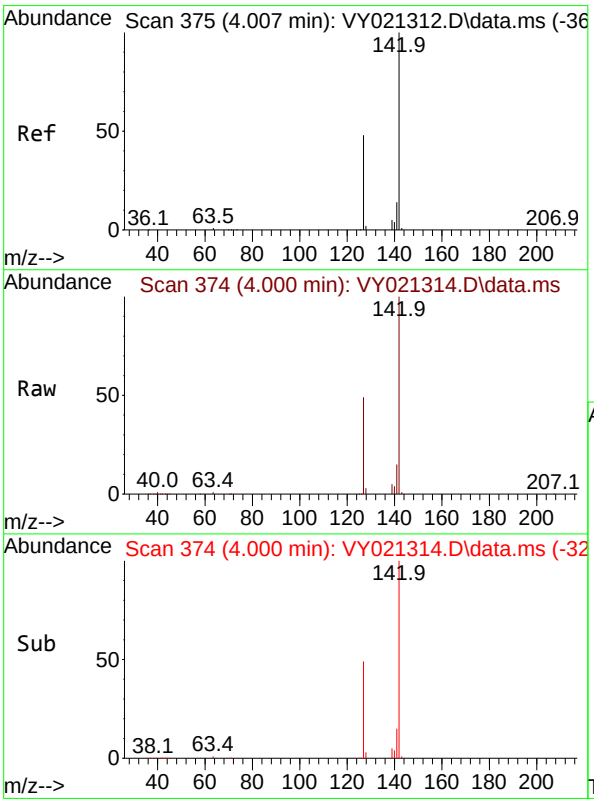

#9
1,1,2-Trichlorotrifluoroethane
Concen: 154.570 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 293114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.8 | 36.7 | 55.1 |
| 151 | 76.6 | 62.6 | 94.0 |

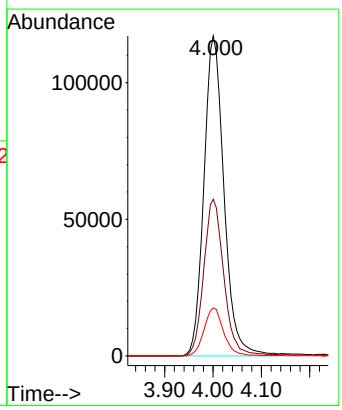


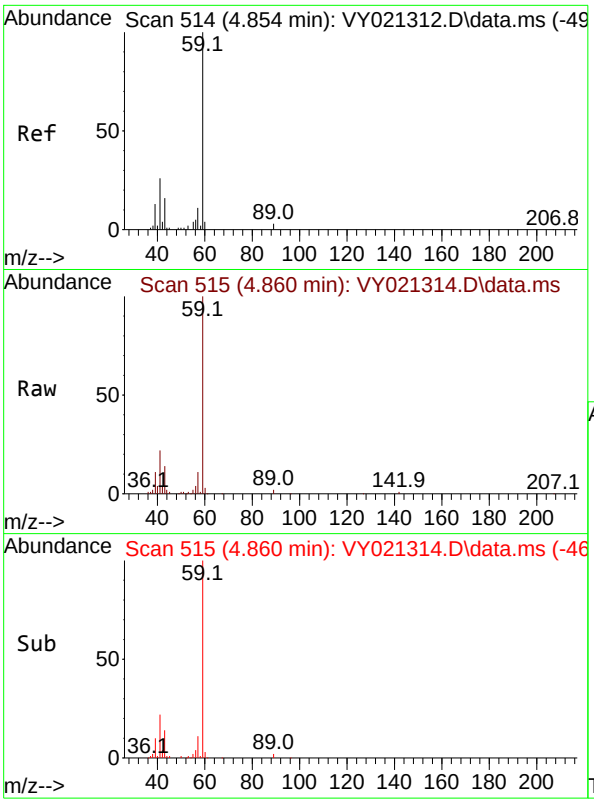




#10
Methyl Iodide
Concen: 169.542 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:142 Resp: 338246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.4 | 39.2 | 58.8 |
| 141 | 14.8 | 11.4 | 17.2 |



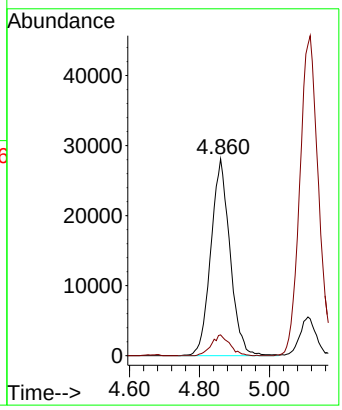


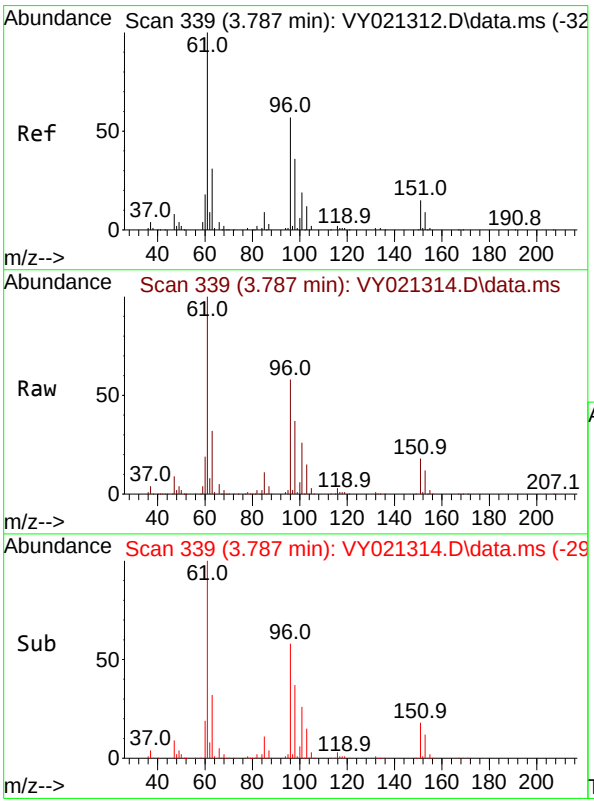

#11
Tert butyl alcohol
Concen: 677.165 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 59 Resp: 106628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.2 | 8.3 | 12.5 |

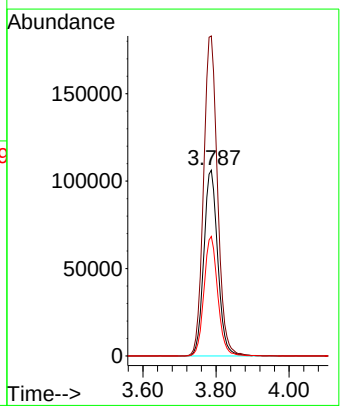


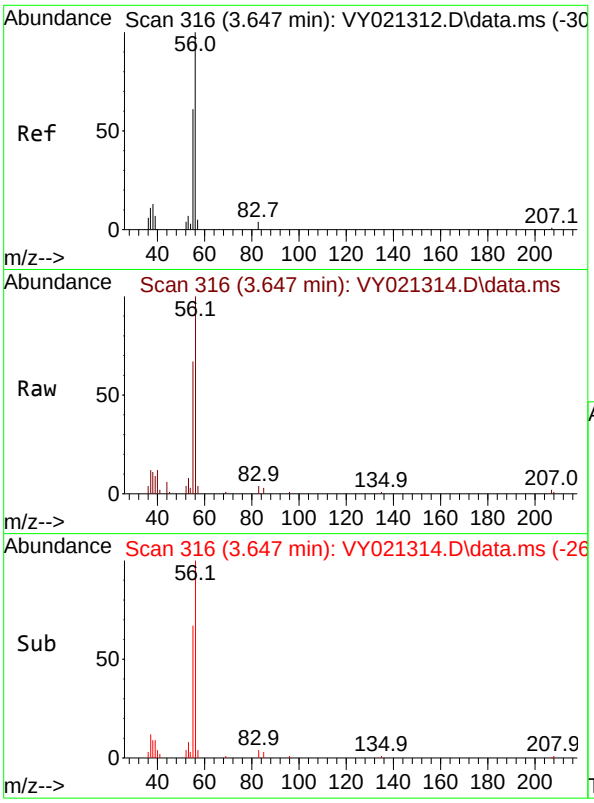




#12
1,1-Dichloroethene
Concen: 154.445 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 280431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.2 | 139.7 | 209.5 |
| 98 | 64.3 | 49.7 | 74.5 |



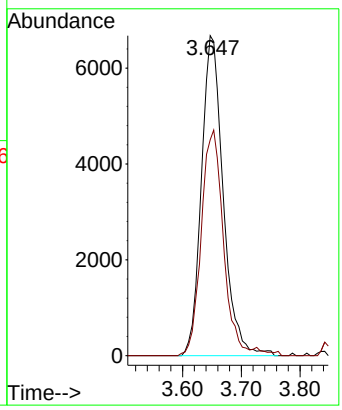


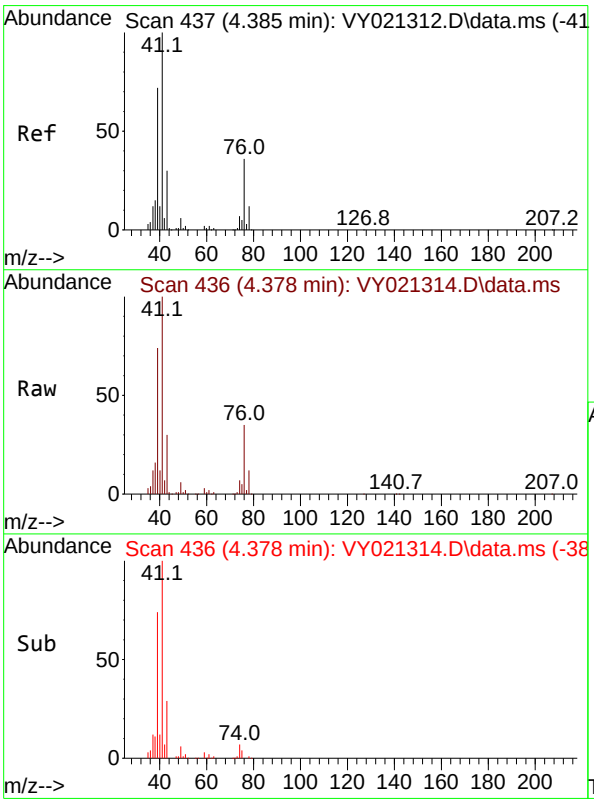

#13
Acrolein
Concen: 142.652 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 17213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.8 | 59.0 | 88.6 |

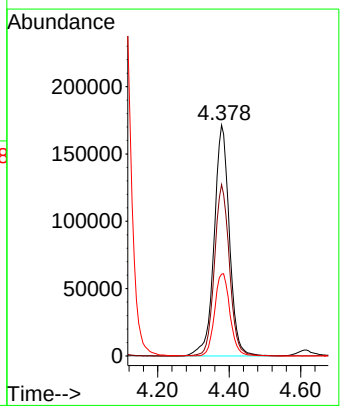


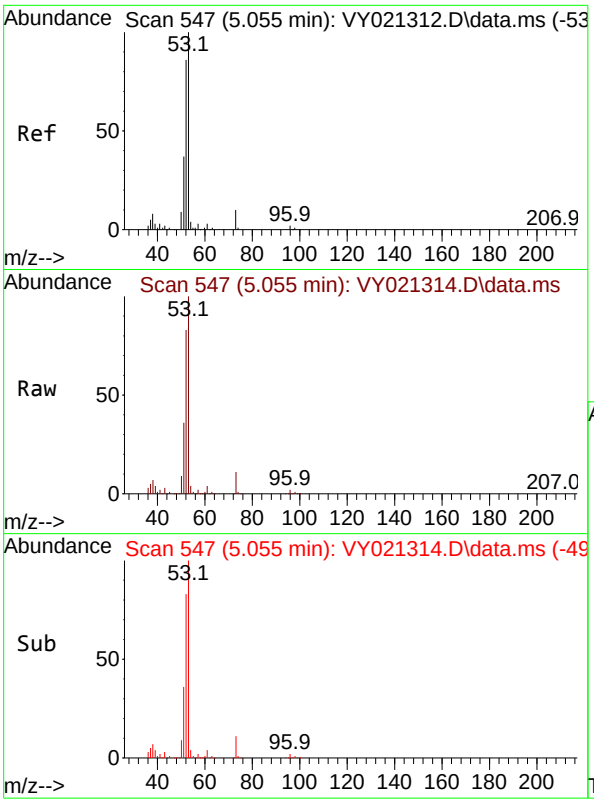




#14
Allyl chloride
Concen: 157.755 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 507854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.1 | 60.0 | 90.0 |
| 76 | 35.8 | 29.0 | 43.6 |



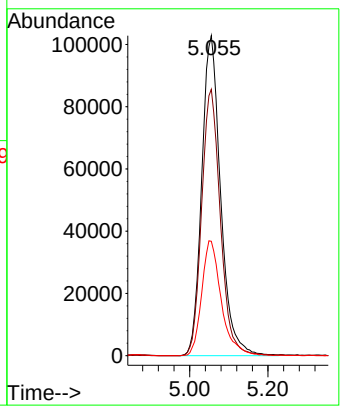


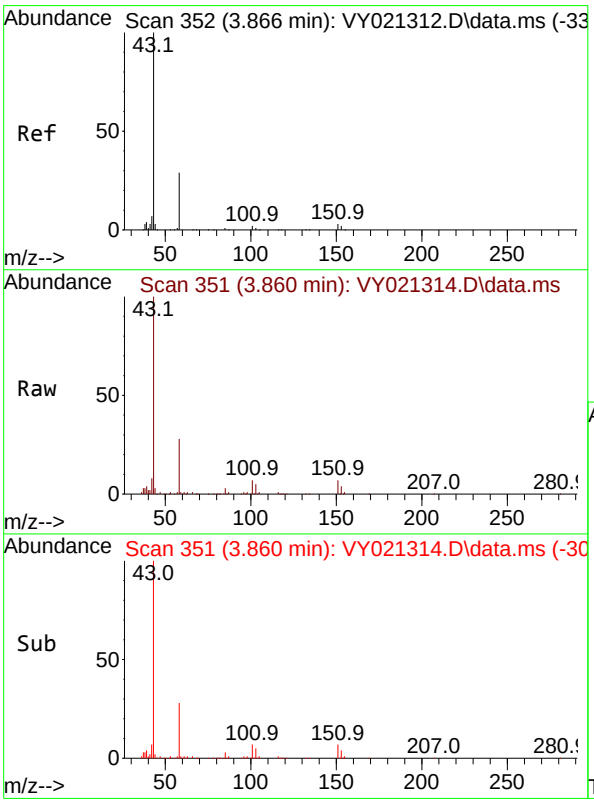

#15
Acrylonitrile
Concen: 793.713 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 53 Resp: 344988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 65.5 | 98.3 |
| 51 | 37.2 | 30.6 | 46.0 |

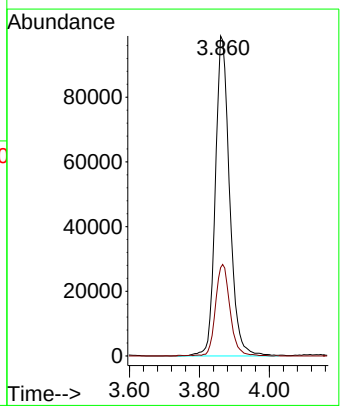


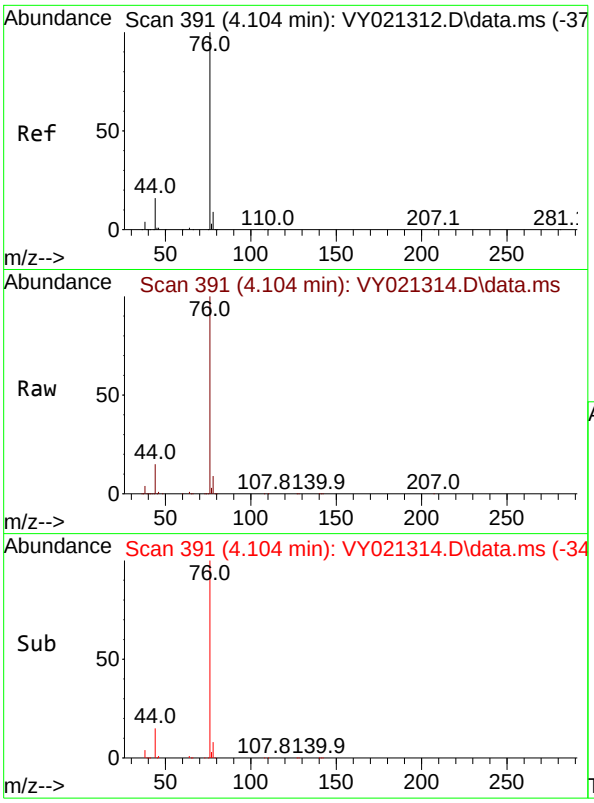




#16
Acetone
Concen: 713.470 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 280172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.5 | 23.5 | 35.3 |



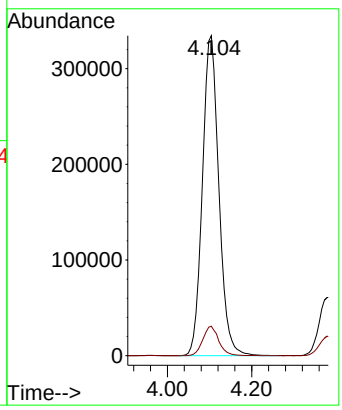


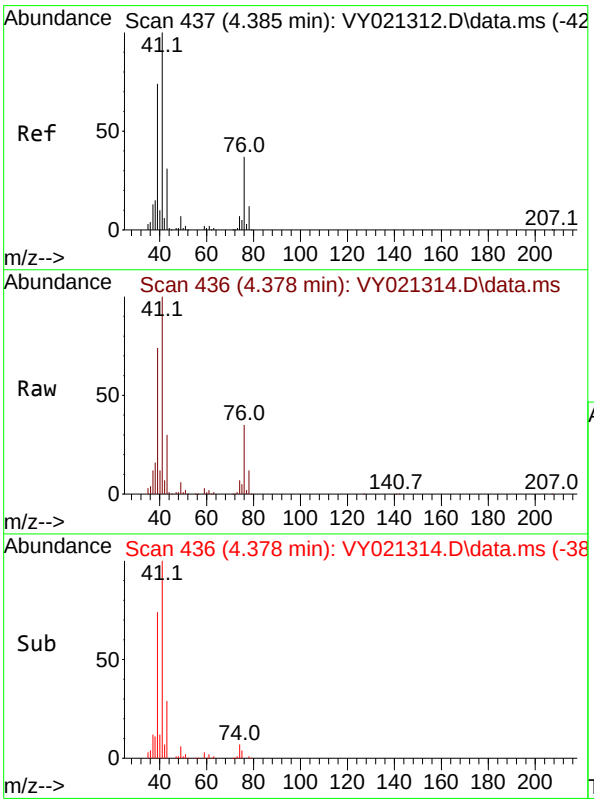

#17
Carbon Disulfide
Concen: 150.676 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 908476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.1 | 10.7 |

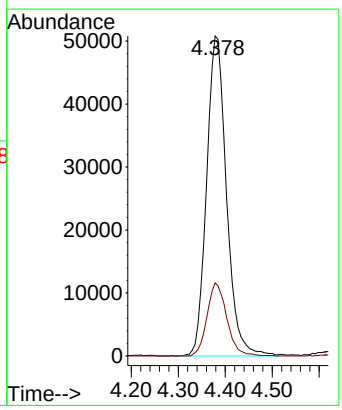


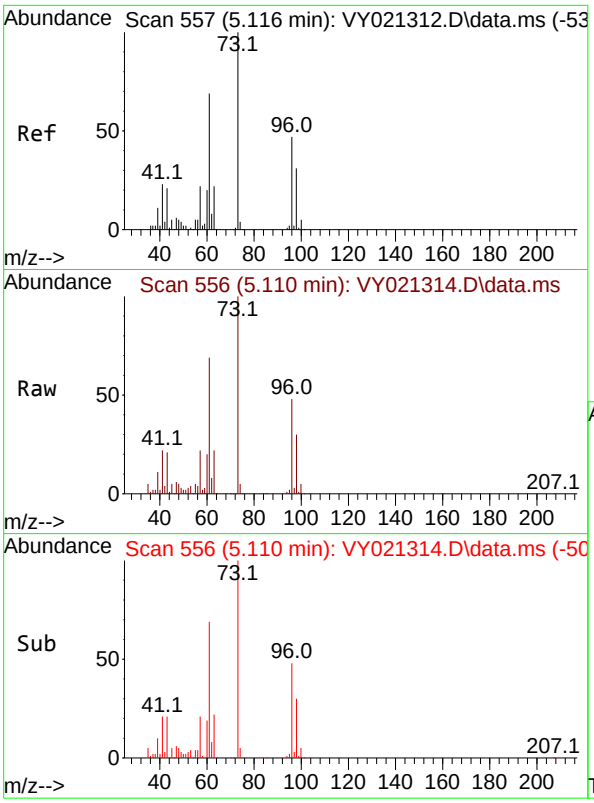




#18
Methyl Acetate
Concen: 155.496 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 149226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.6 | 17.7 | 26.5 |



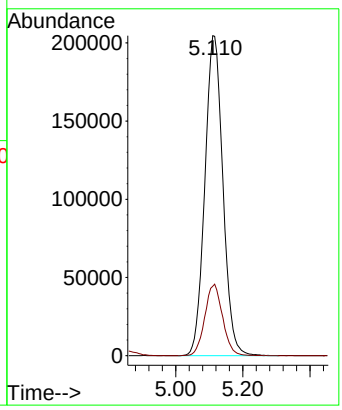


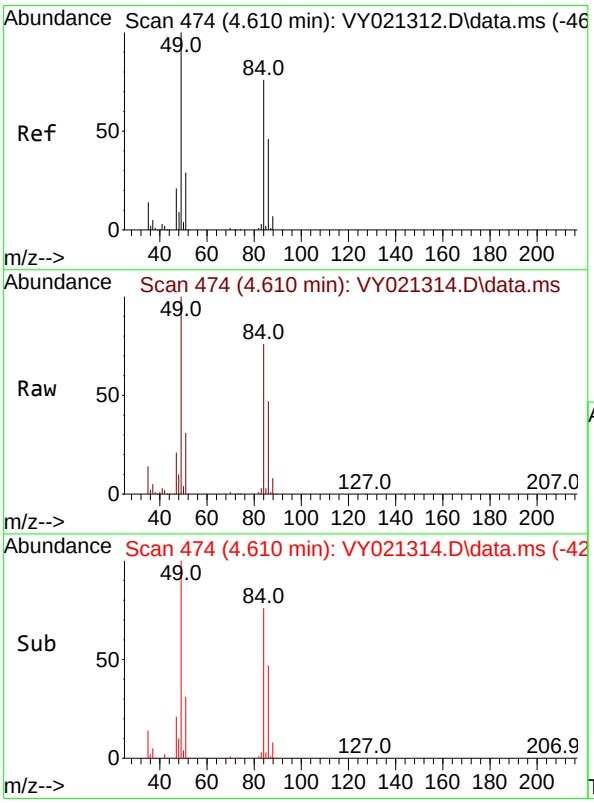

#19
Methyl tert-butyl Ether
Concen: 159.172 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 73 Resp: 763596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.4 | 26.0 |

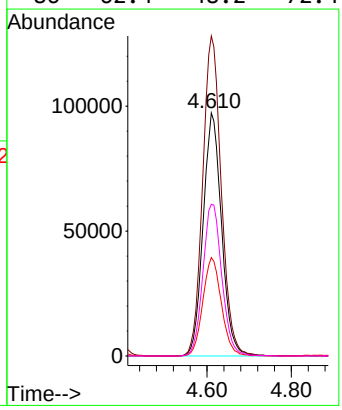


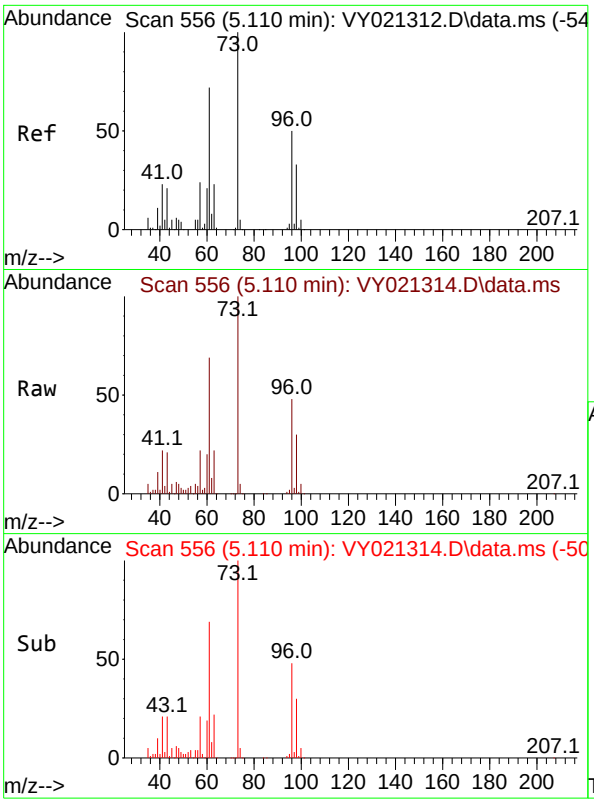




#20
Methylene Chloride
Concen: 139.409 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 84 Resp: 296032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.6 | 105.1 | 157.7 |
| 51 | 40.5 | 31.0 | 46.4 |
| 86 | 62.4 | 48.2 | 72.4 |



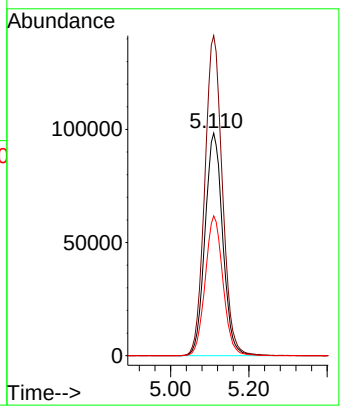


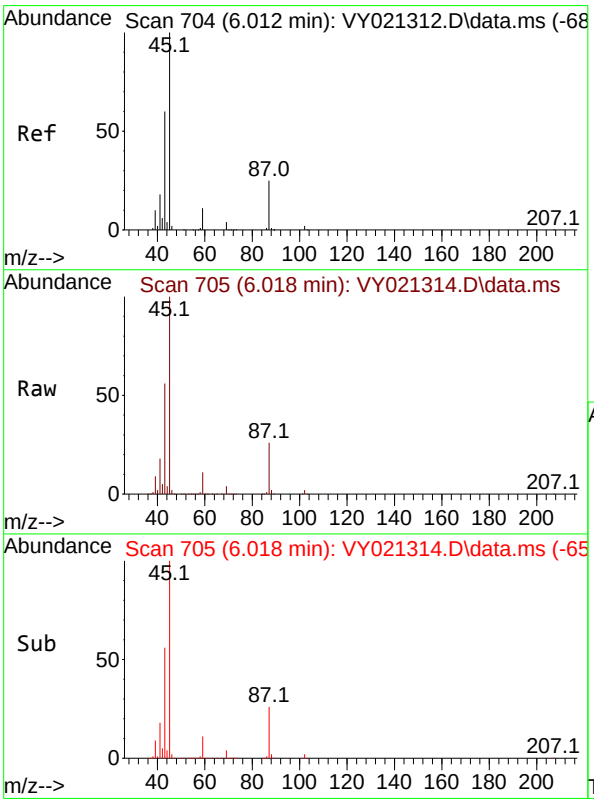

#21
trans-1,2-Dichloroethene
Concen: 154.401 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 308627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.8 | 116.3 | 174.5 |
| 98 | 62.8 | 52.6 | 78.8 |

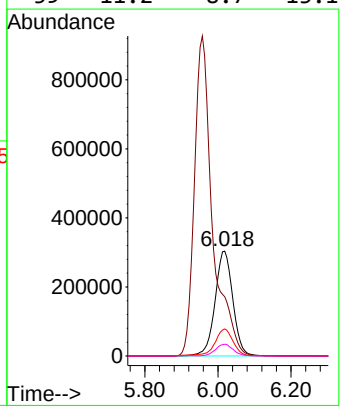


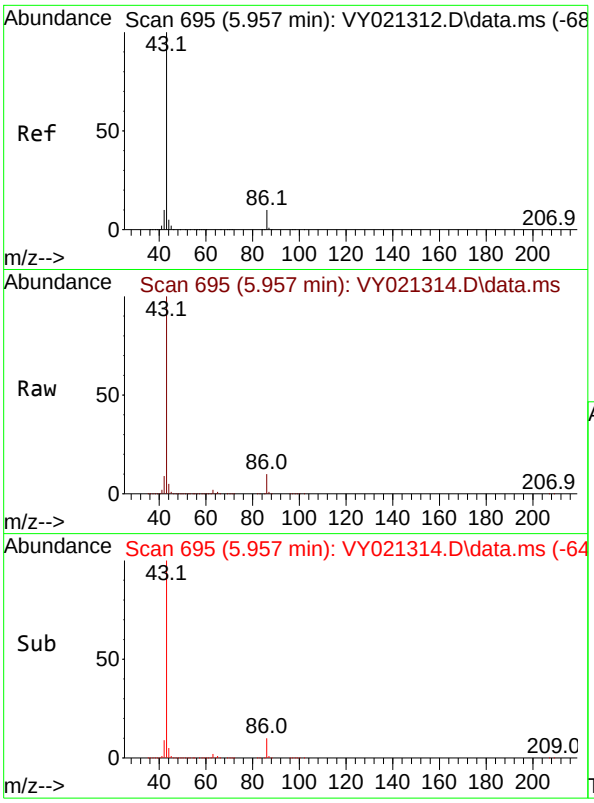




#22
Diisopropyl ether
Concen: 154.433 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 45 Resp: 1028788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.2 | 48.2 | 72.4 |
| 87 | 25.8 | 20.3 | 30.5 |
| 59 | 11.2 | 8.7 | 13.1 |



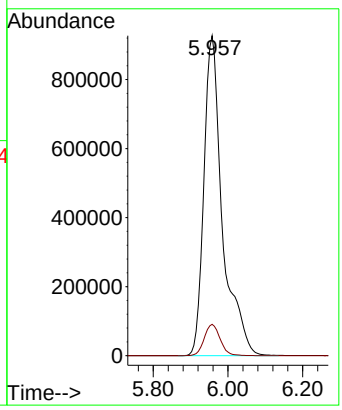


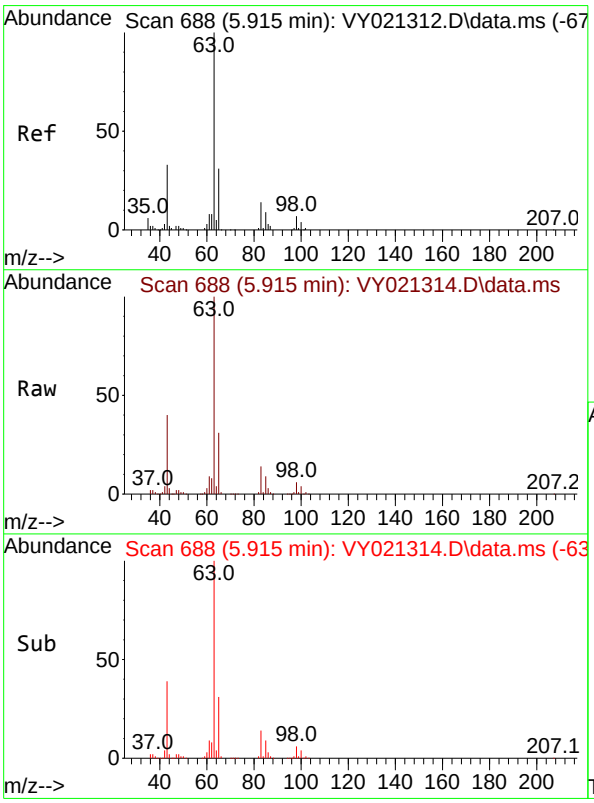

#23
Vinyl Acetate
Concen: 801.685 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 3191401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.8 | 8.0 | 12.0 |

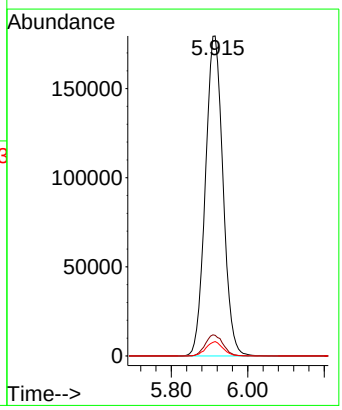


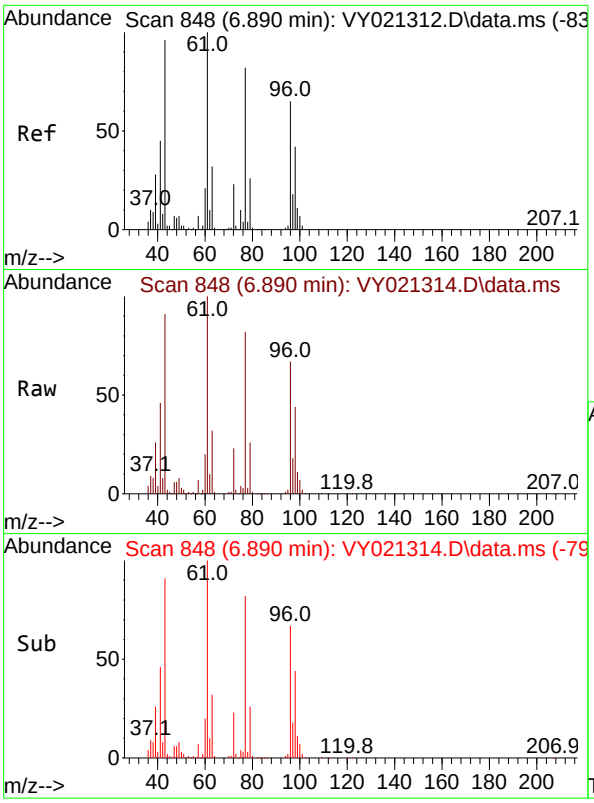




#24
1,1-Dichloroethane
Concen: 152.564 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 572832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.5 | 3.7 | 11.1 |
| 100 | 4.5 | 2.1 | 6.5 |



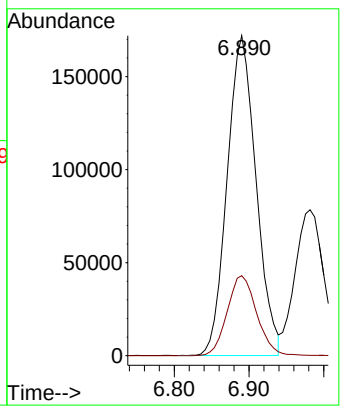


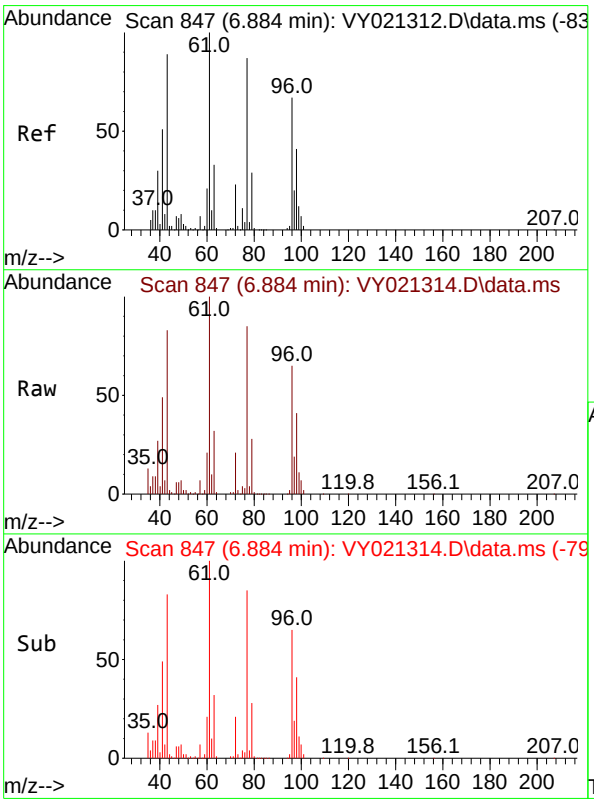

#25
2-Butanone
Concen: 780.449 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 462541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.0 | 19.0 | 28.6 |

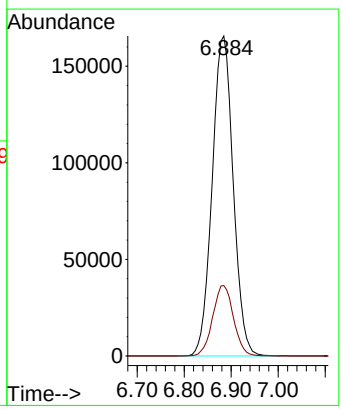


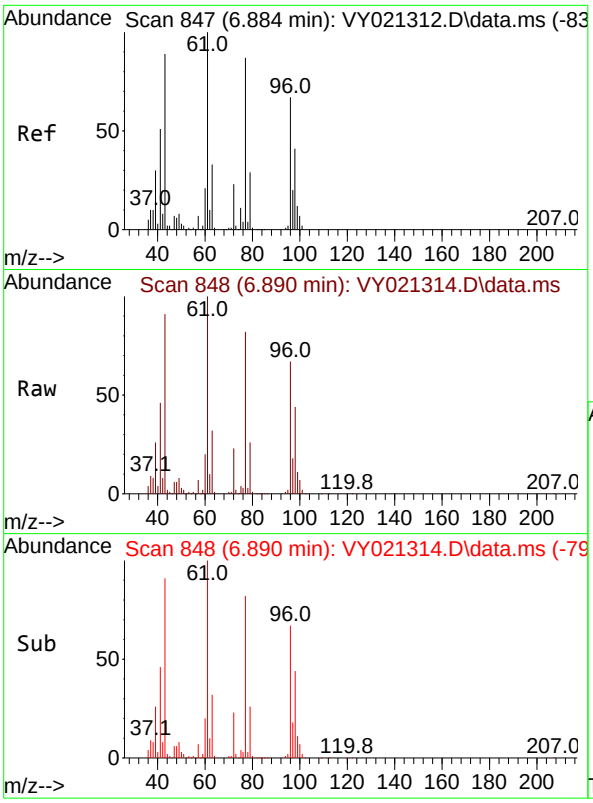




#26
2,2-Dichloropropane
Concen: 151.214 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 77 Resp: 515178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.9 | 32.7 |



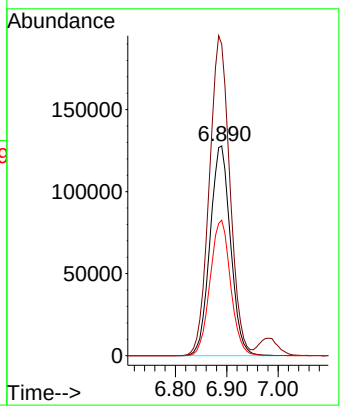


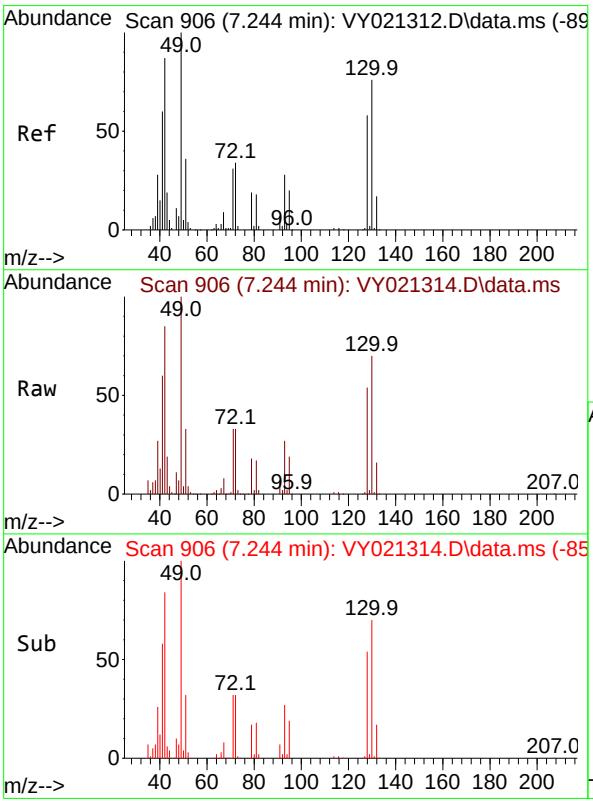

#27
cis-1,2-Dichloroethene
Concen: 155.519 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 354979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.6 | 0.0 | 308.0 |
| 98 | 64.4 | 0.0 | 129.6 |

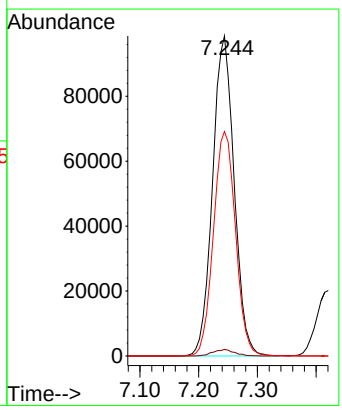


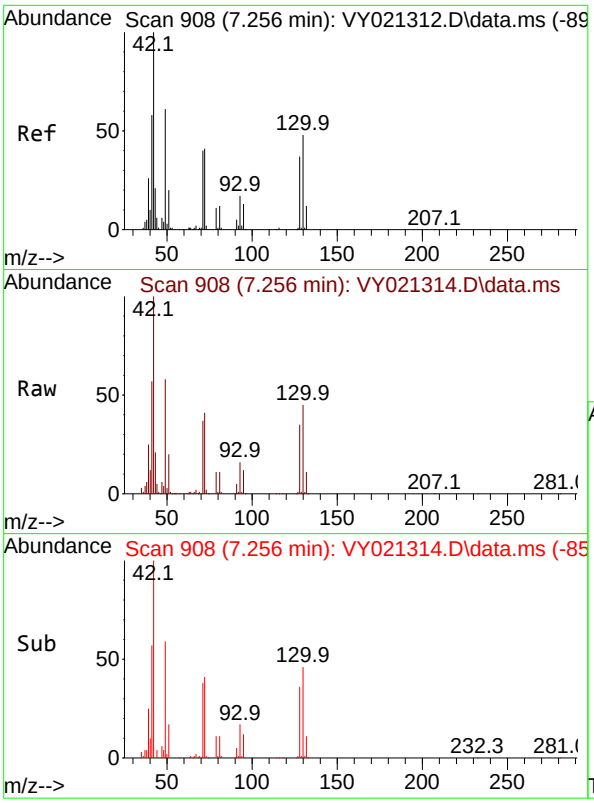




#28
Bromochloromethane
Concen: 151.227 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 49 Resp: 251245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 71.7 | 57.8 | 86.6 |



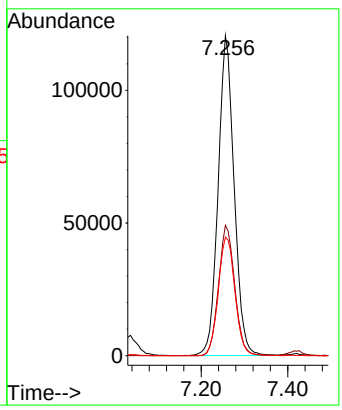


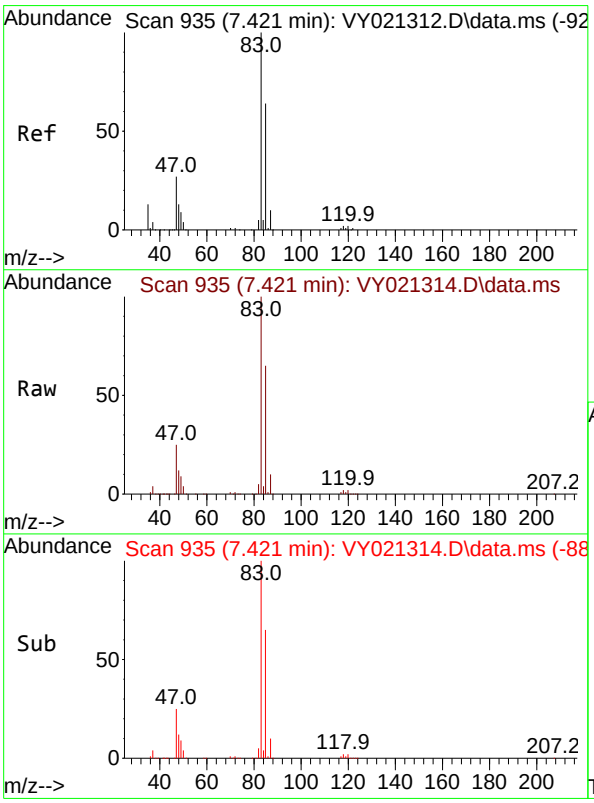

#29
Tetrahydrofuran
Concen: 797.978 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 42 Resp: 309130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.2 | 33.1 | 49.7 |
| 71 | 38.6 | 31.4 | 47.0 |

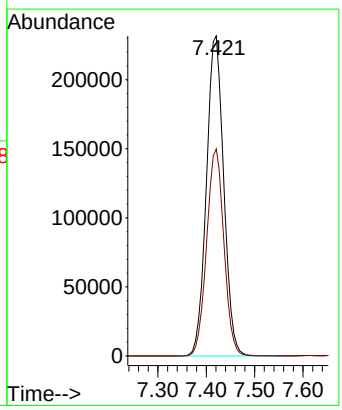


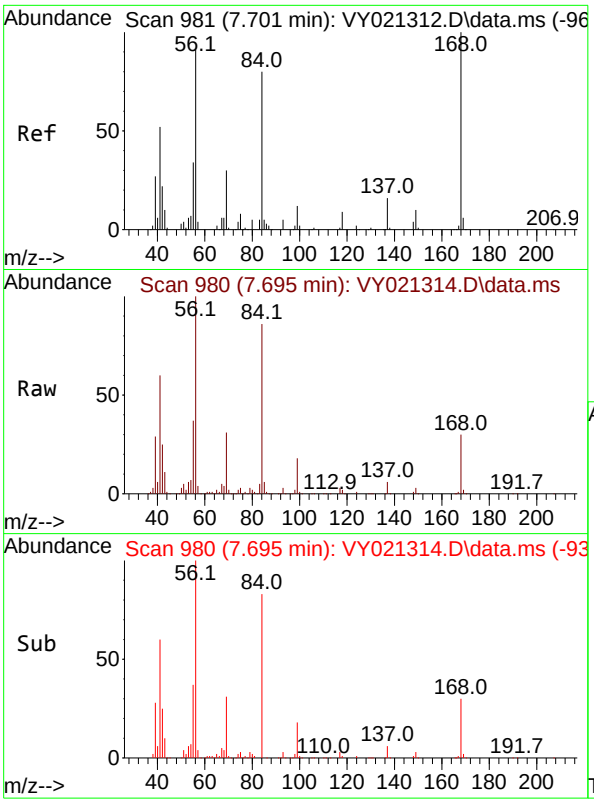




#30
Chloroform
Concen: 151.112 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 574920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.6 | 77.4 |



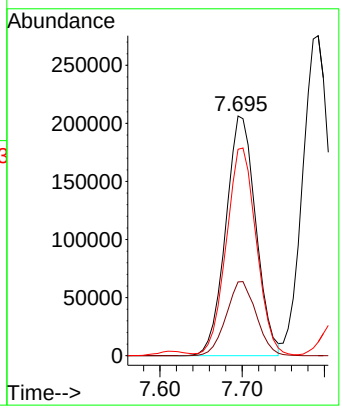


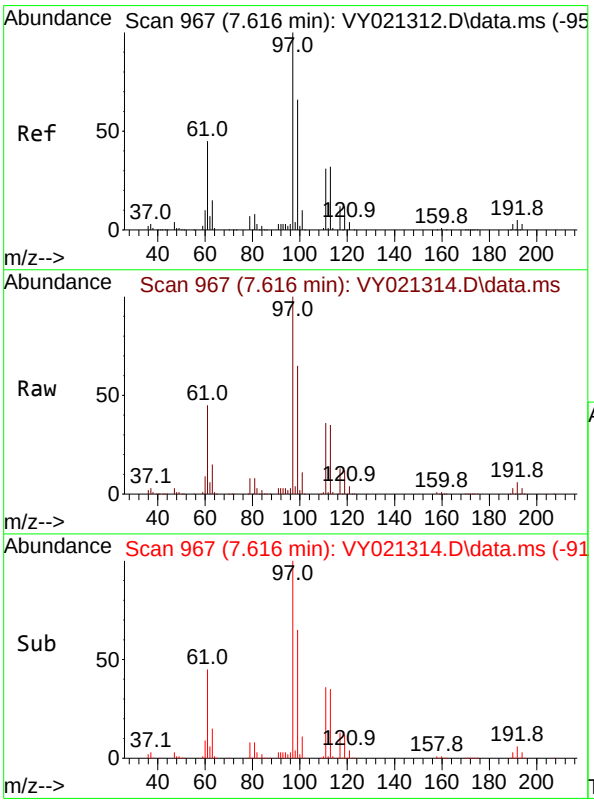

#31
Cyclohexane
Concen: 145.637 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 525636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.8 | 26.2 | 39.4 |
| 84 | 84.4 | 70.2 | 105.4 |

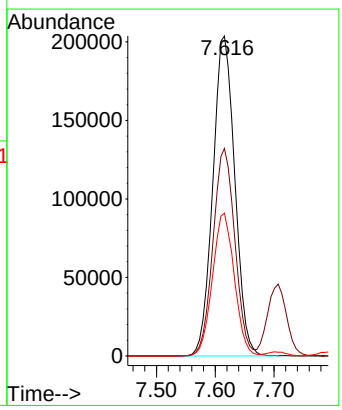


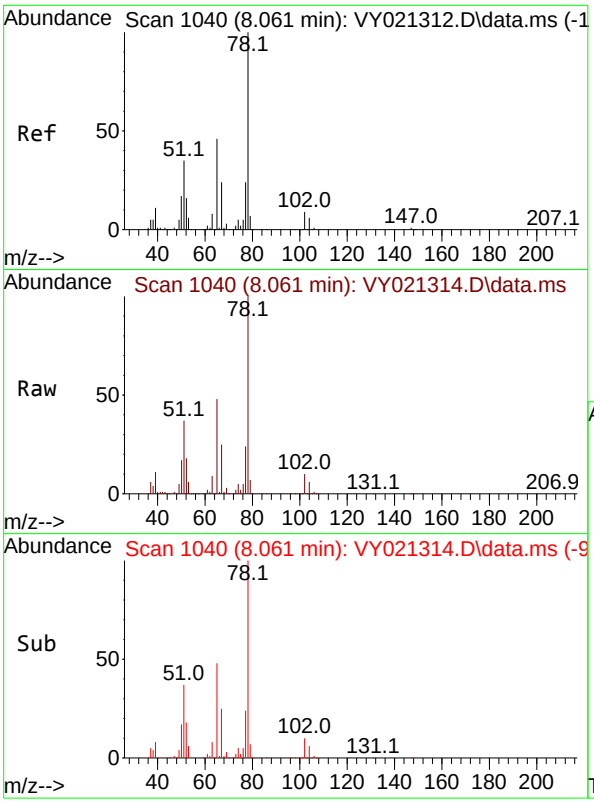




#32
1,1,1-Trichloroethane
Concen: 152.986 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 529792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.7 | 52.4 | 78.6 |
| 61 | 44.4 | 36.2 | 54.2 |



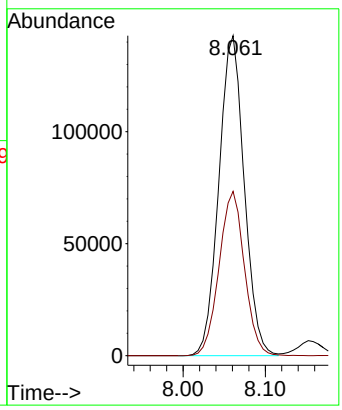


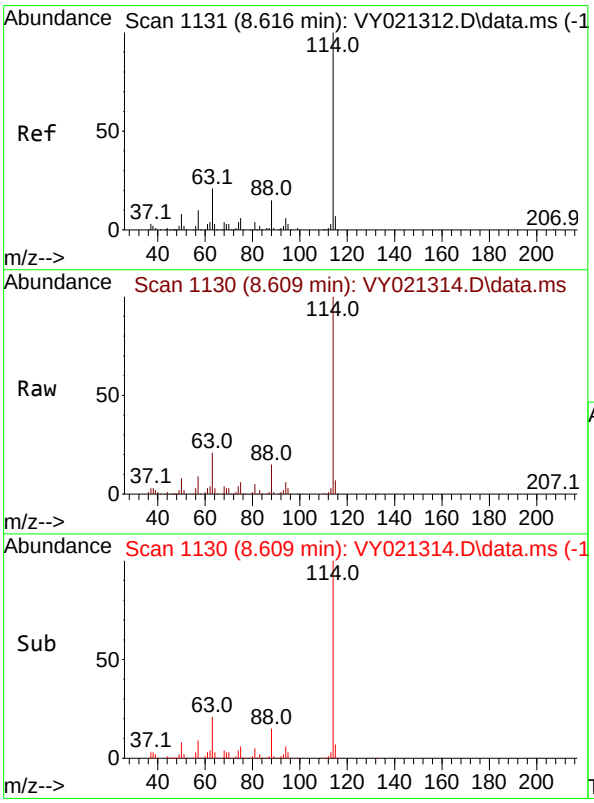

#33
1,2-Dichloroethane-d4
Concen: 149.582 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 65 Resp: 306215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 103.6 |

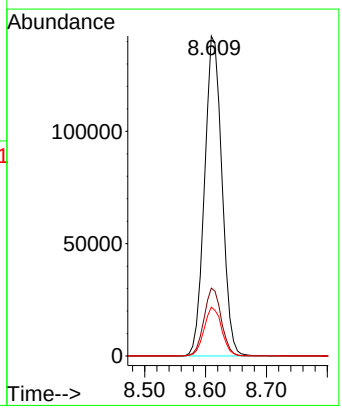


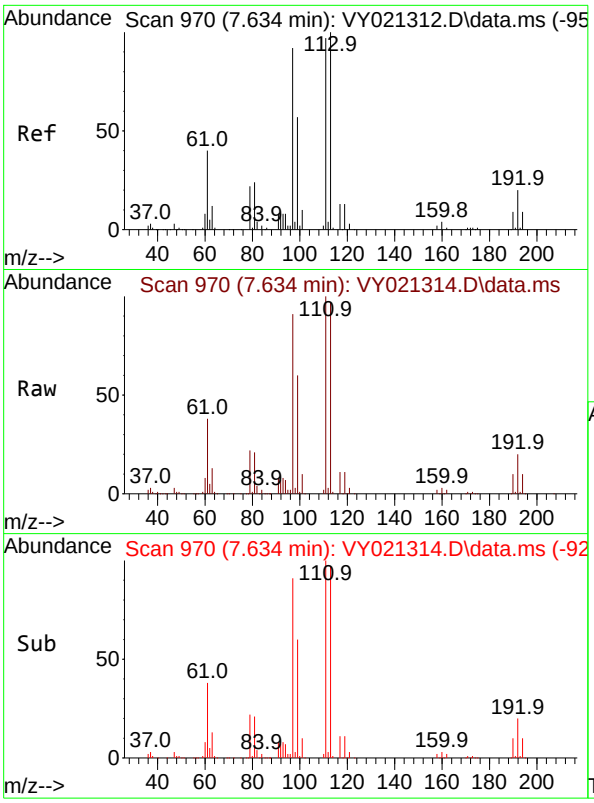




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:114 Resp: 283003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 42.2 |
| 88 | 15.3 | 0.0 | 29.8 |



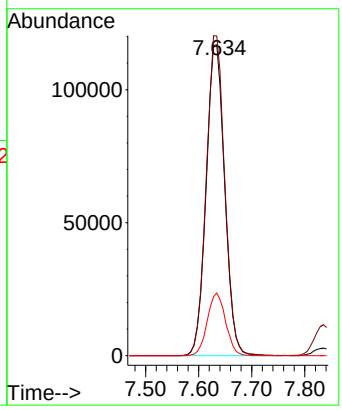


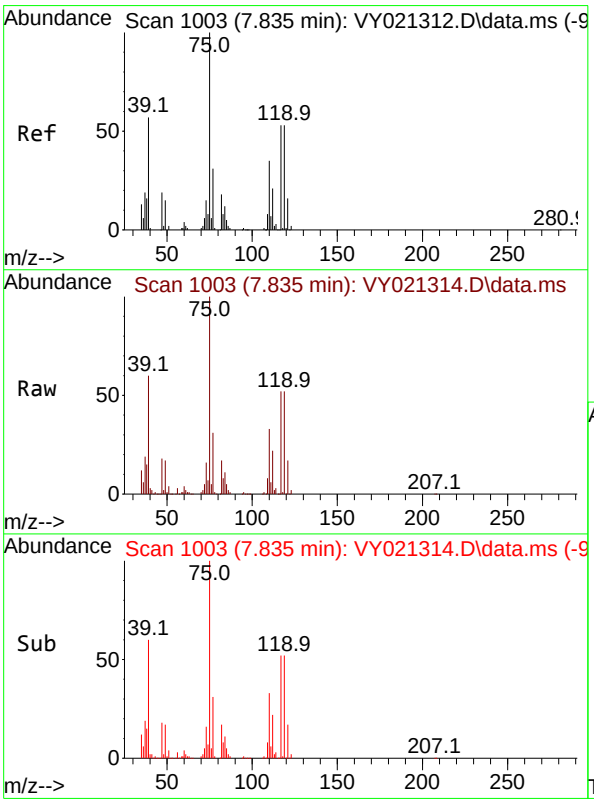

#35
Dibromofluoromethane
Concen: 152.818 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:113 Resp: 283537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 81.0 | 121.6 |
| 192 | 19.9 | 15.8 | 23.8 |

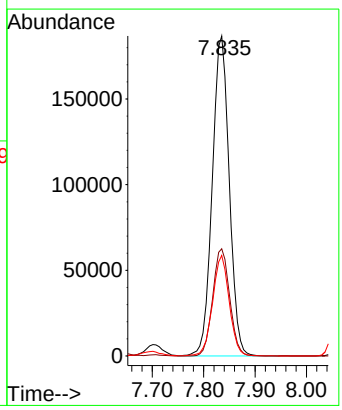


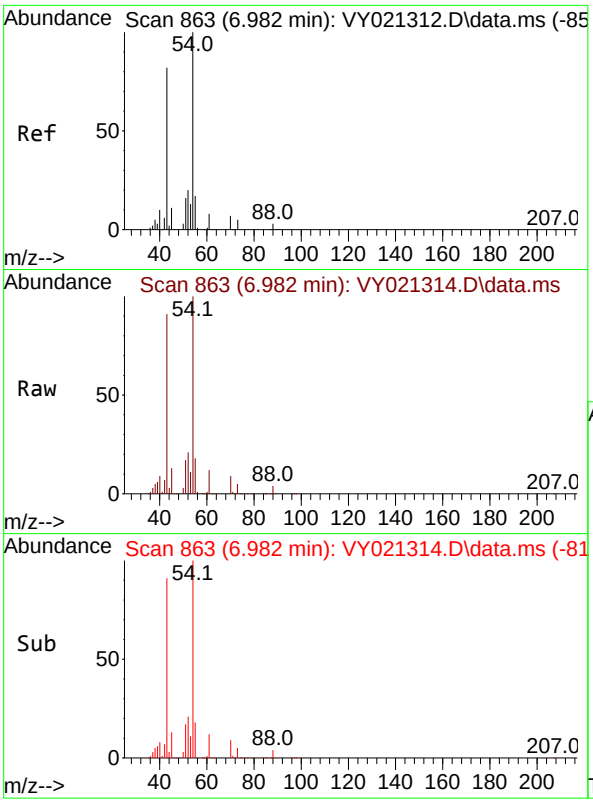




#36
1,1-Dichloropropene
Concen: 153.985 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 429157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.5 | 16.9 | 50.7 |
| 77 | 30.8 | 24.6 | 36.8 |



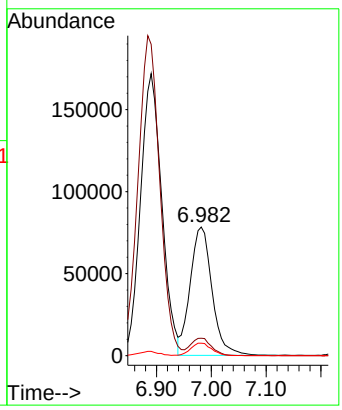


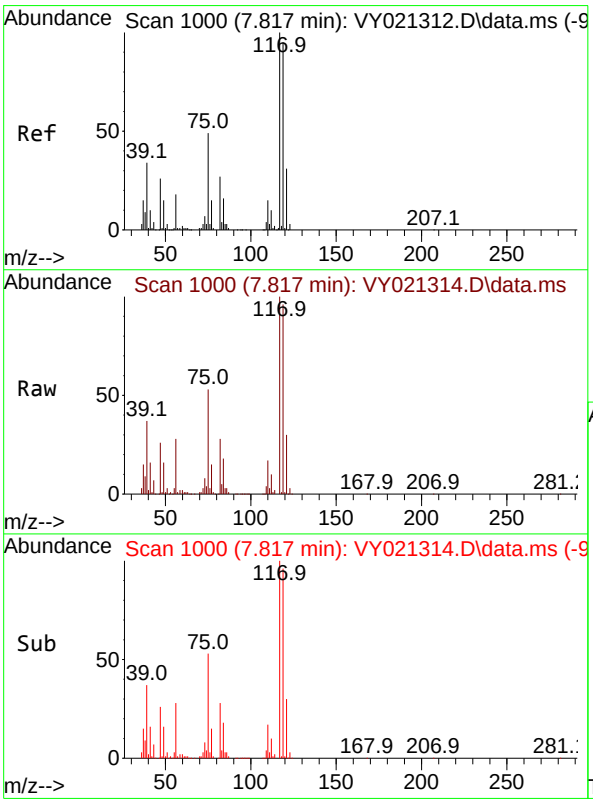

#37
Ethyl Acetate
Concen: 156.470 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 216920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.8 | 10.4 | 15.6 |
| 70 | 9.4 | 7.5 | 11.3 |

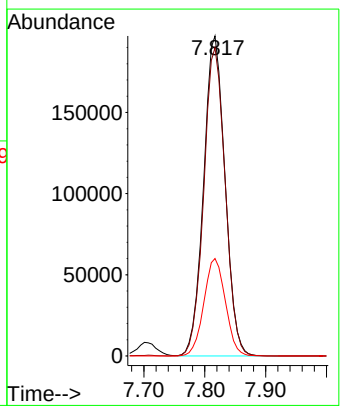


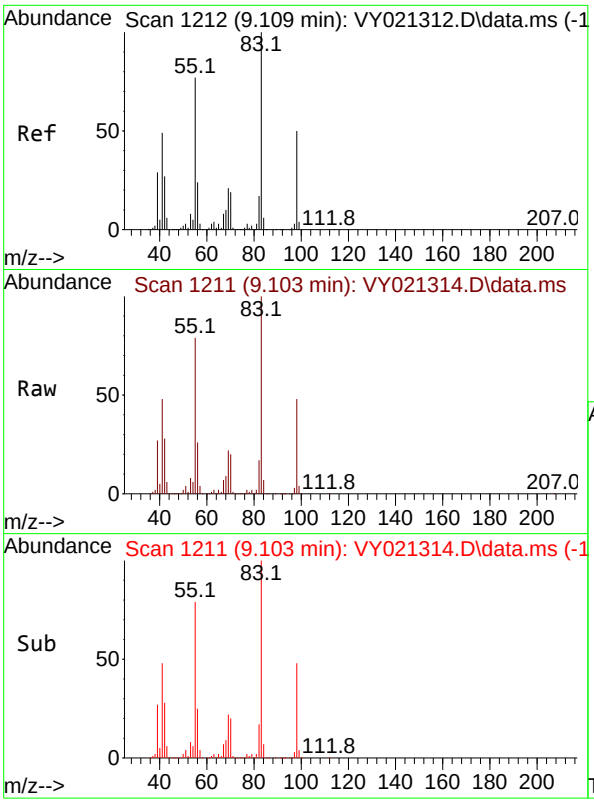




#38
Carbon Tetrachloride
Concen: 153.764 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 481774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 76.0 | 114.0 |
| 121 | 30.5 | 24.9 | 37.3 |



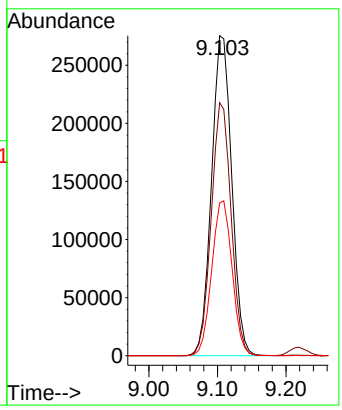


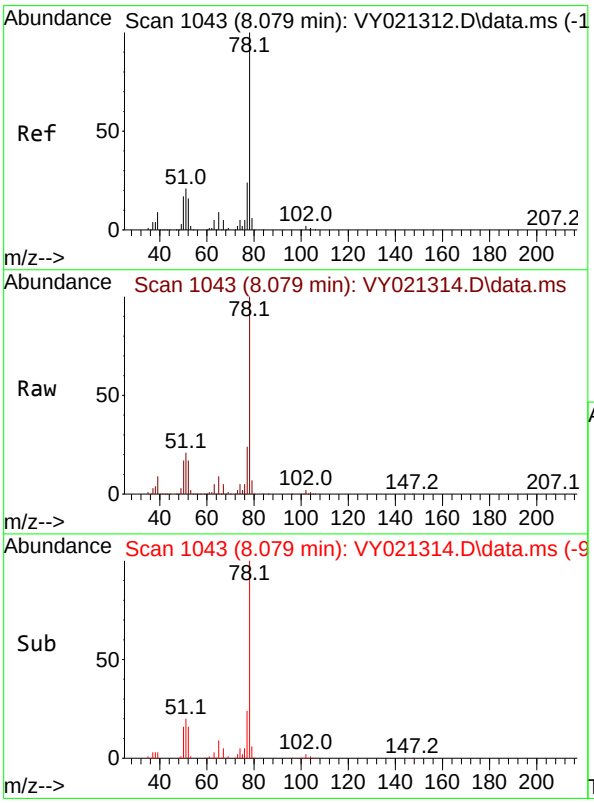

#39
Methylcyclohexane
Concen: 159.752 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 563132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.0 | 61.3 | 91.9 |
| 98 | 47.7 | 39.9 | 59.9 |

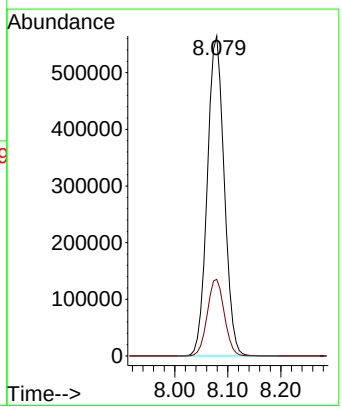


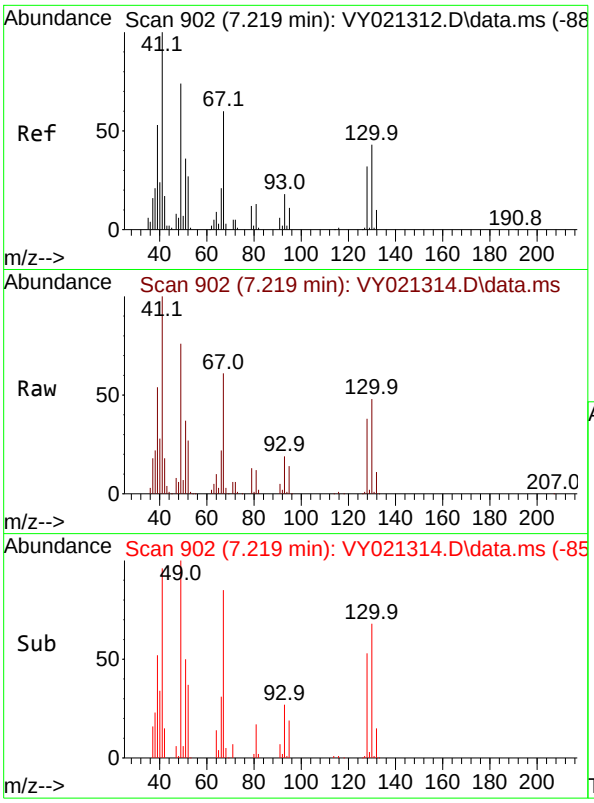




#40
Benzene
Concen: 151.673 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 78 Resp: 1249573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.2 | 28.8 |



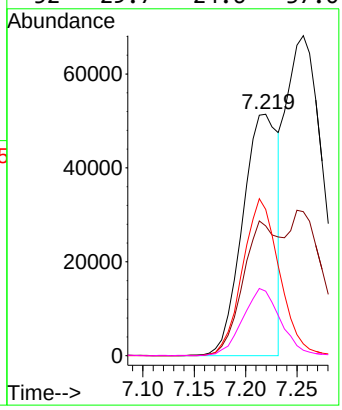


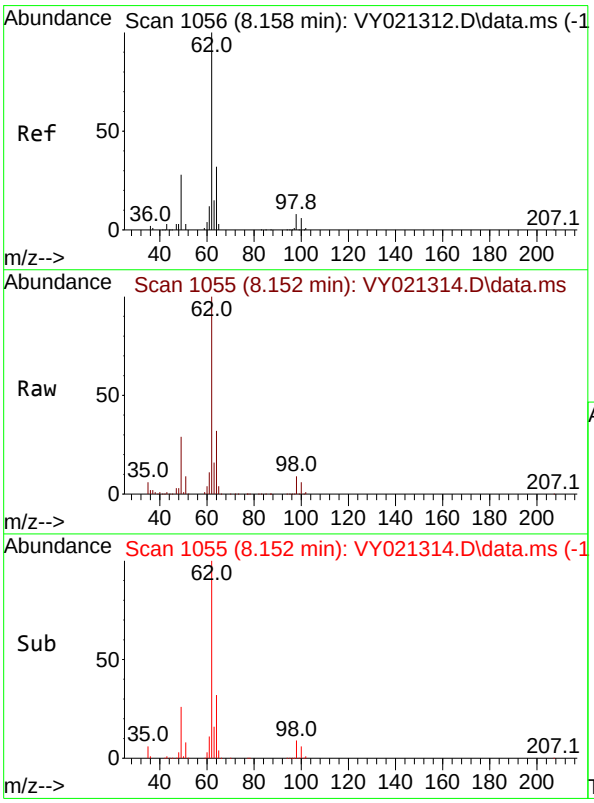

#41
Methacrylonitrile
Concen: 159.542 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 41 Resp: 123663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 61.3 | 42.3 | 63.5 |
| 67 | 67.7 | 54.8 | 82.2 |
| 52 | 29.7 | 24.6 | 37.0 |

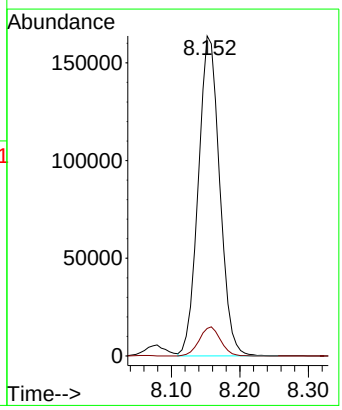


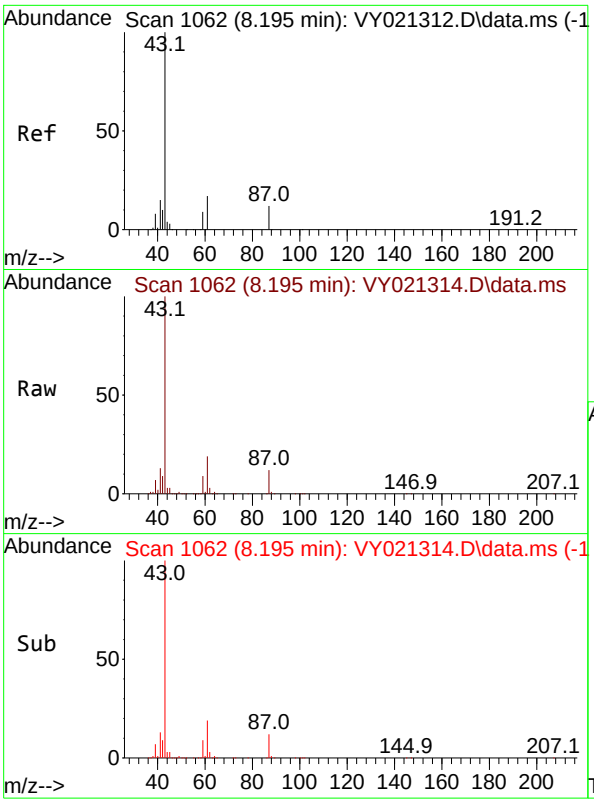




#42
1,2-Dichloroethane
Concen: 152.036 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 355374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.6 |



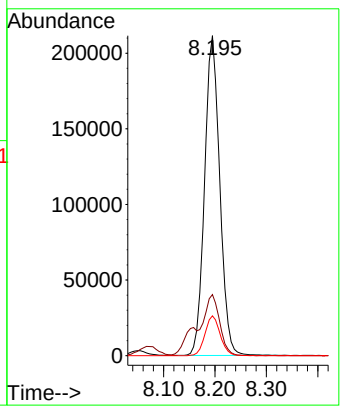


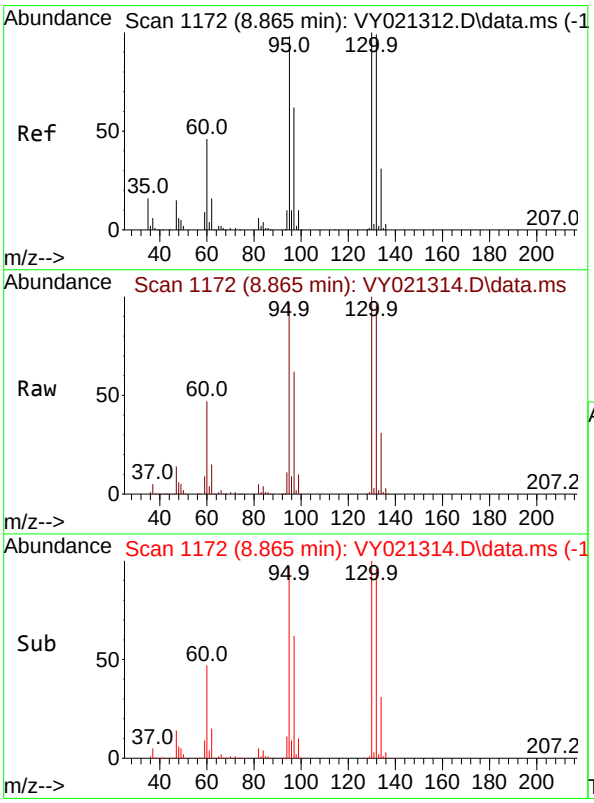

#43
Isopropyl Acetate
Concen: 161.641 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 433742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.1 | 15.0 | 22.6 |
| 87 | 12.4 | 10.0 | 15.0 |

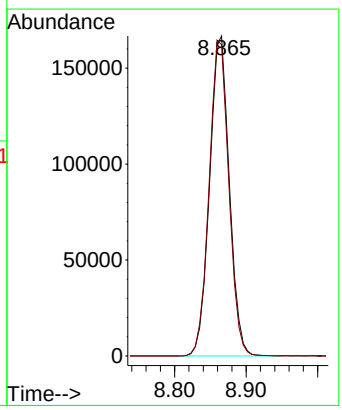


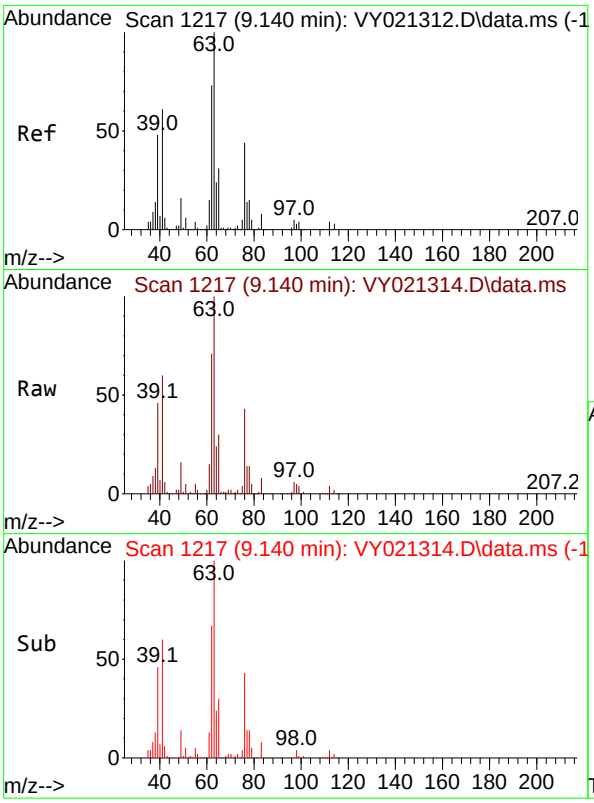




#44
Trichloroethene
Concen: 154.457 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:130 Resp: 318590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.3 | 0.0 | 196.0 |



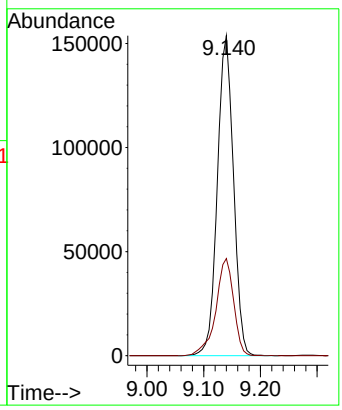


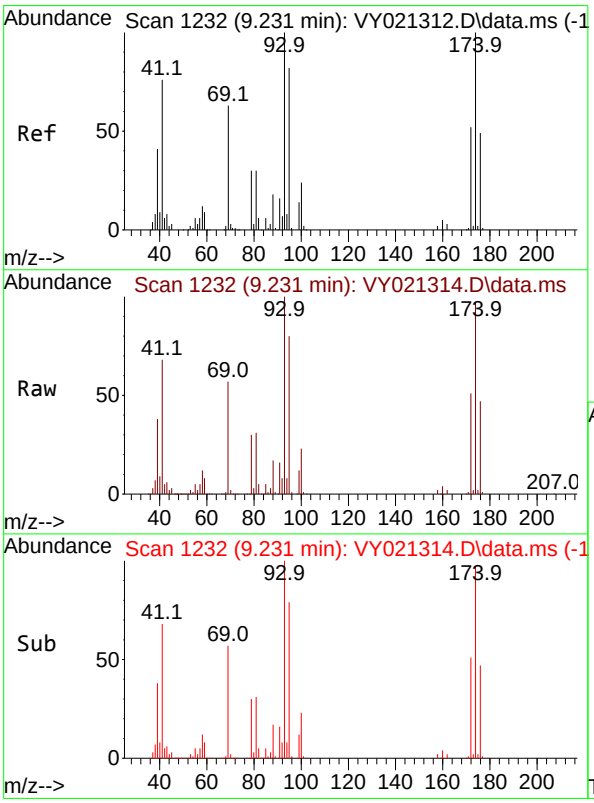

#45
1,2-Dichloropropane
Concen: 152.809 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 63 Resp: 302967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.3 | 24.6 | 36.8 |

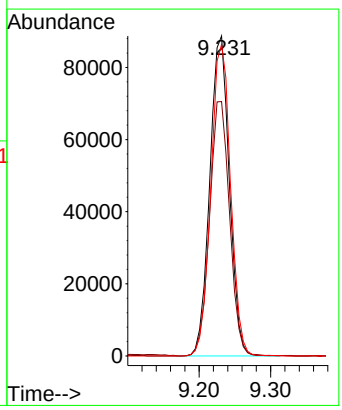


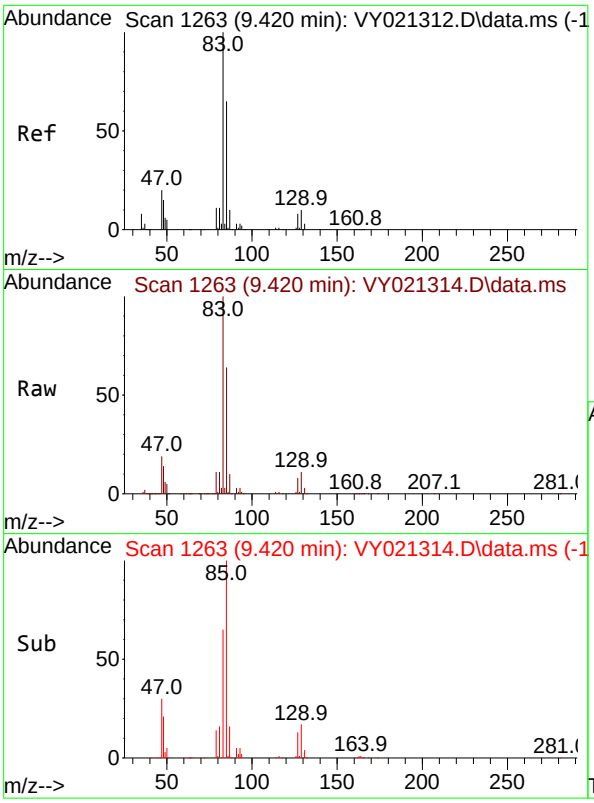




#46
Dibromomethane
Concen: 155.620 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 93 Resp: 168654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.2 | 66.4 | 99.6 |
| 174 | 98.2 | 78.2 | 117.2 |



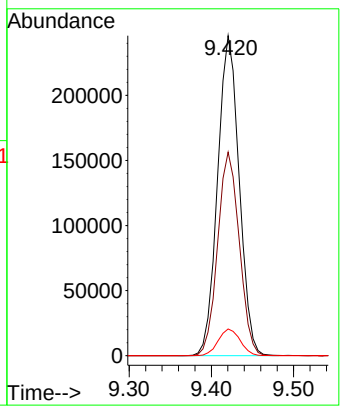


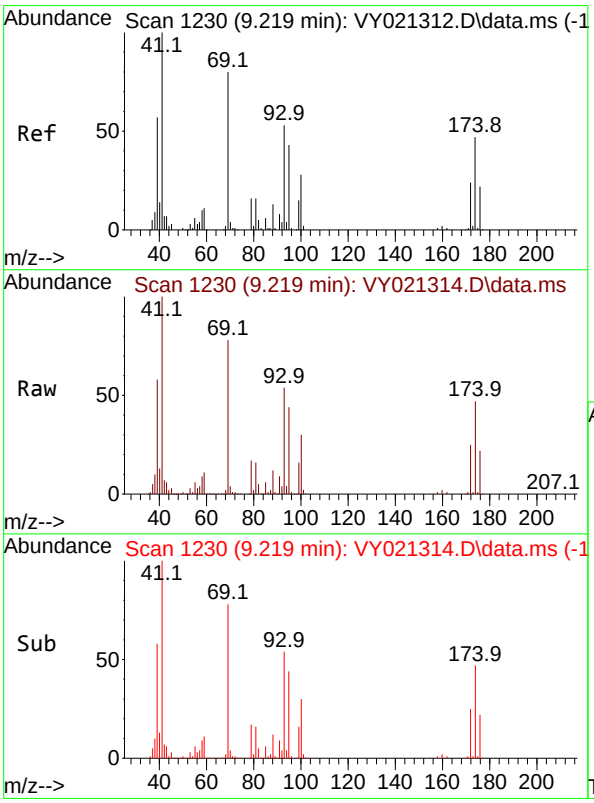

#47
Bromodichloromethane
Concen: 155.172 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 448398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 51.8 | 77.8 |
| 127 | 8.4 | 6.7 | 10.1 |

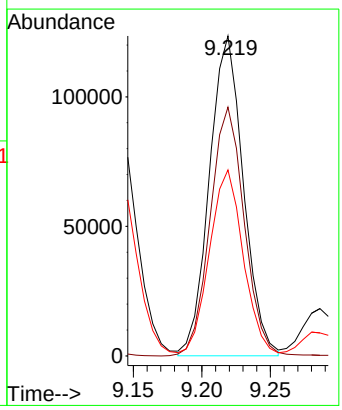


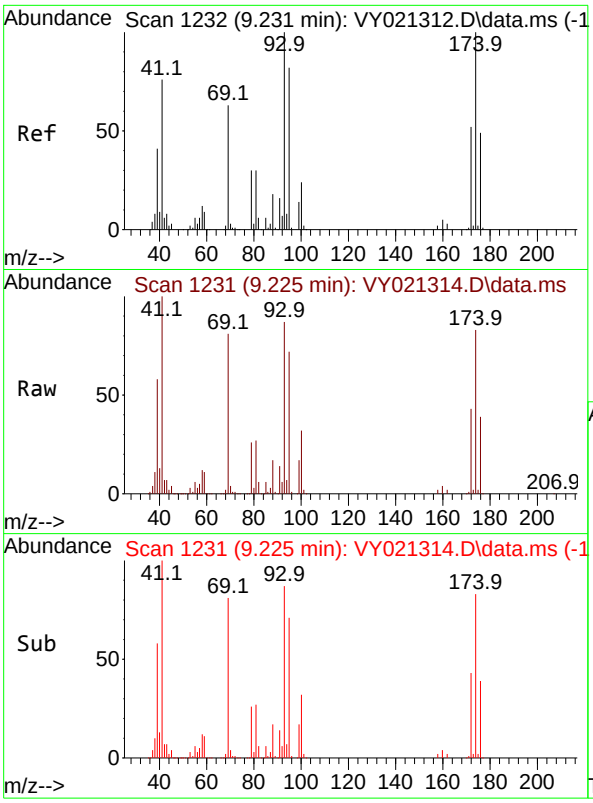




#48
Methyl methacrylate
Concen: 169.923 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 213222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.4 | 63.3 | 94.9 |
| 39 | 56.2 | 45.0 | 67.6 |



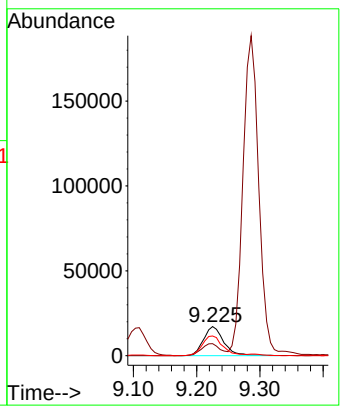


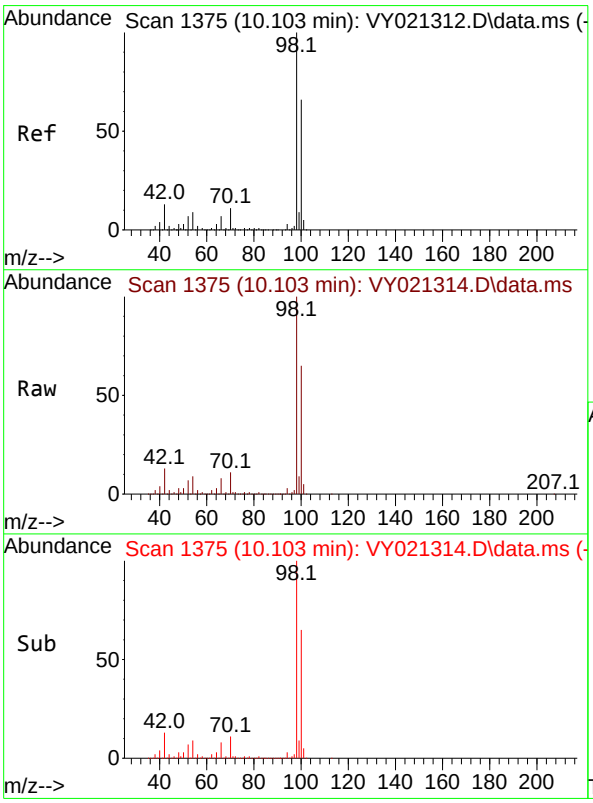

#49
1,4-Dioxane
Concen: 3165.209 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 88 Resp: 38142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.4 | 34.8 | 52.2 |
| 58 | 68.6 | 59.8 | 89.6 |

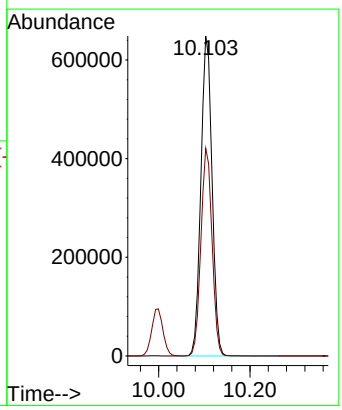


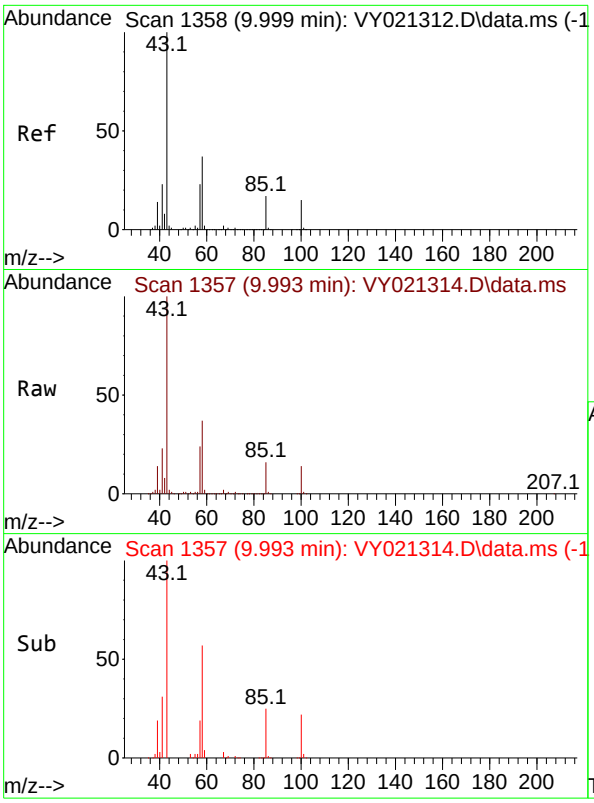




#50
Toluene-d8
Concen: 152.682 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 98 Resp: 1094820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 52.4 | 78.6 |



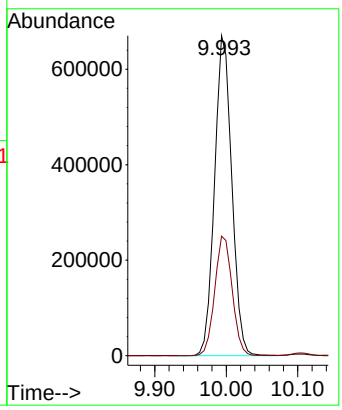


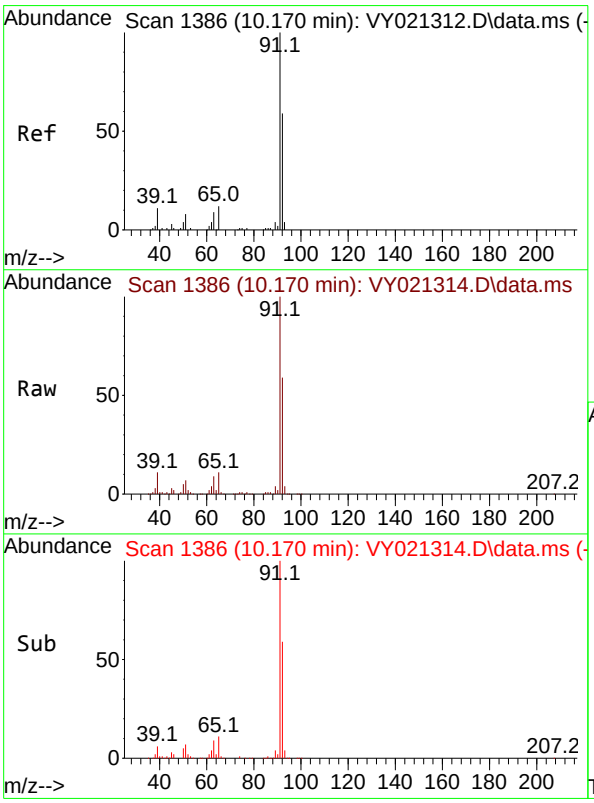

#51
4-Methyl-2-Pentanone
Concen: 816.471 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 1121500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.1 | 45.1 |

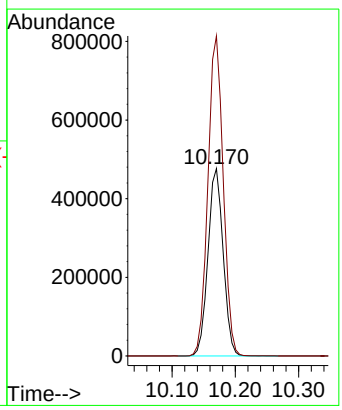


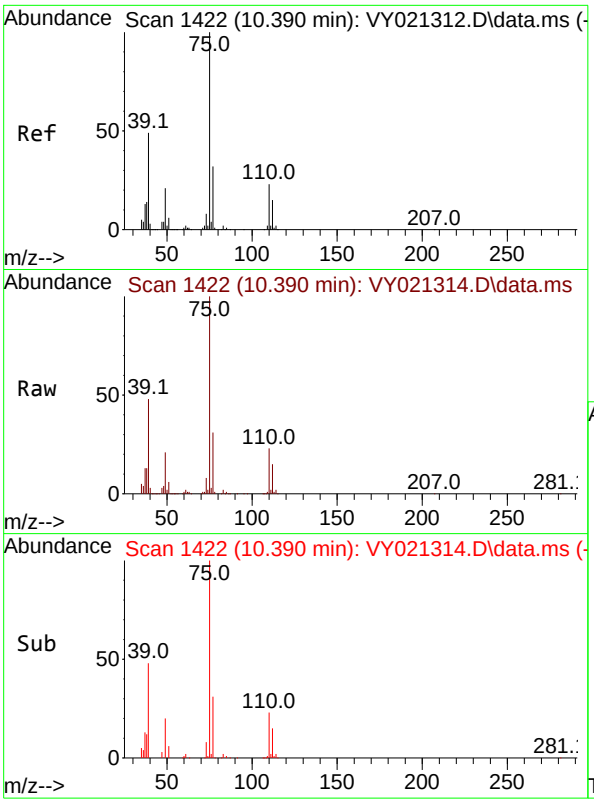




#52
Toluene
Concen: 155.232 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 92 Resp: 794485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.2 | 137.8 | 206.8 |



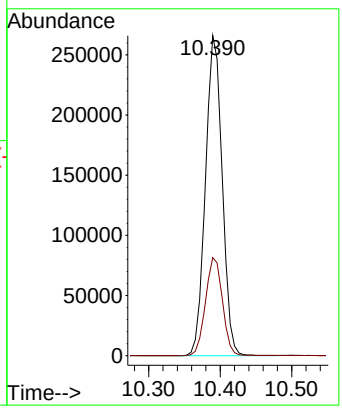


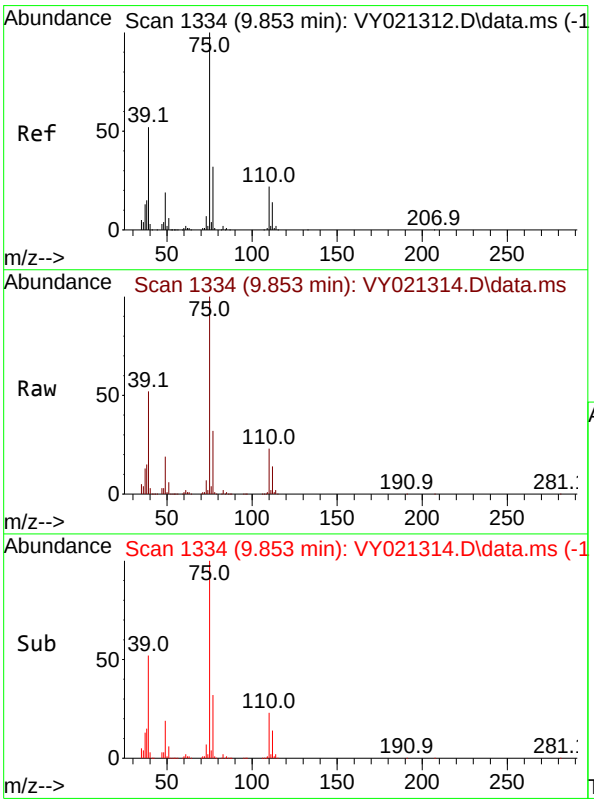

#53
t-1,3-Dichloropropene
Concen: 163.384 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 432560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.3 | 37.9 |

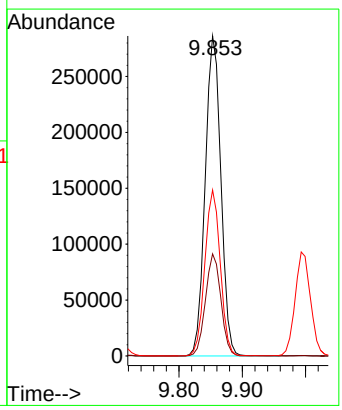


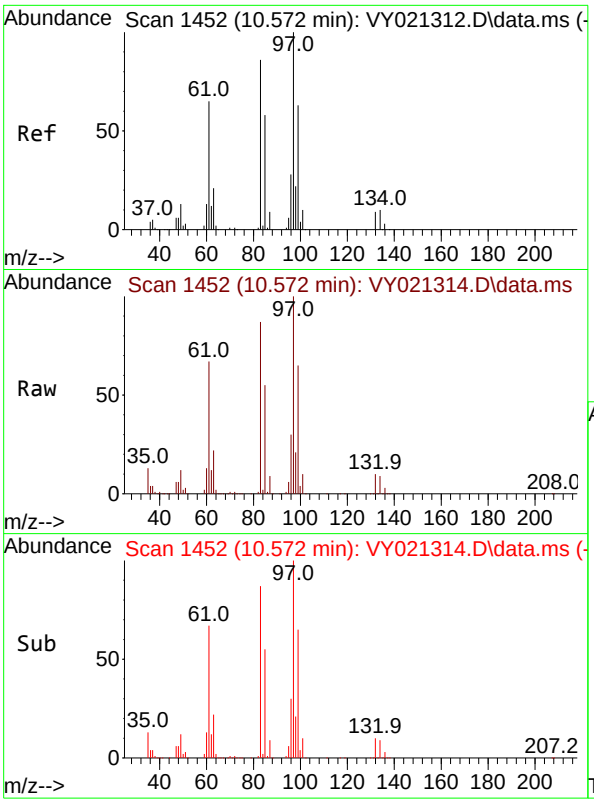




#54
cis-1,3-Dichloropropene
Concen: 157.928 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 493601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.7 | 38.5 |
| 39 | 51.8 | 41.8 | 62.6 |



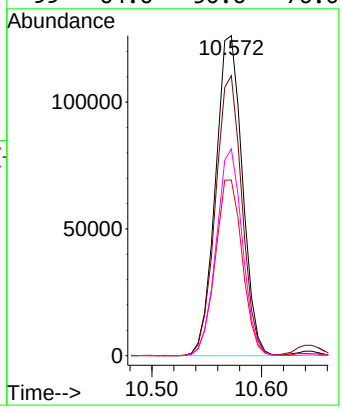


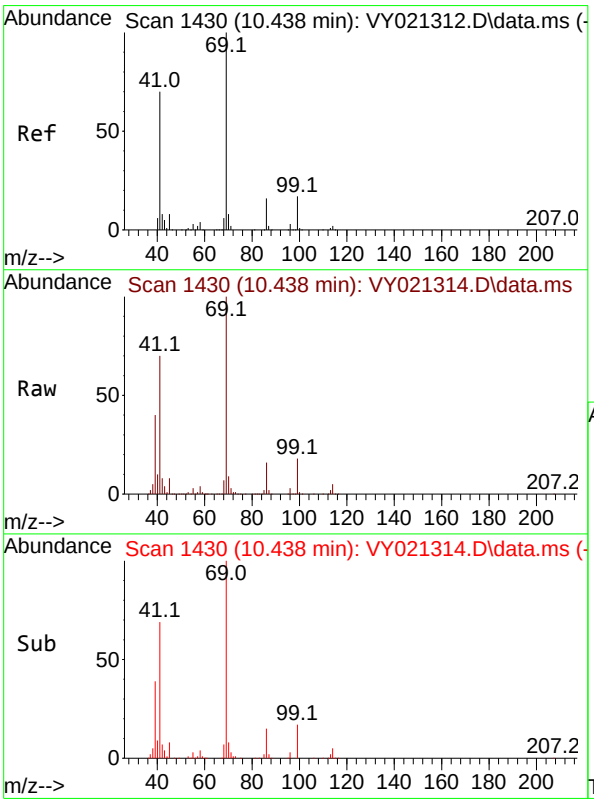

#55
1,1,2-Trichloroethane
Concen: 152.506 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 97 Resp: 215312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.5 | 68.7 | 103.1 |
| 85 | 54.8 | 46.3 | 69.5 |
| 99 | 64.6 | 50.6 | 76.0 |

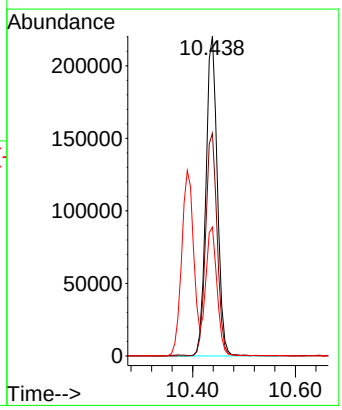


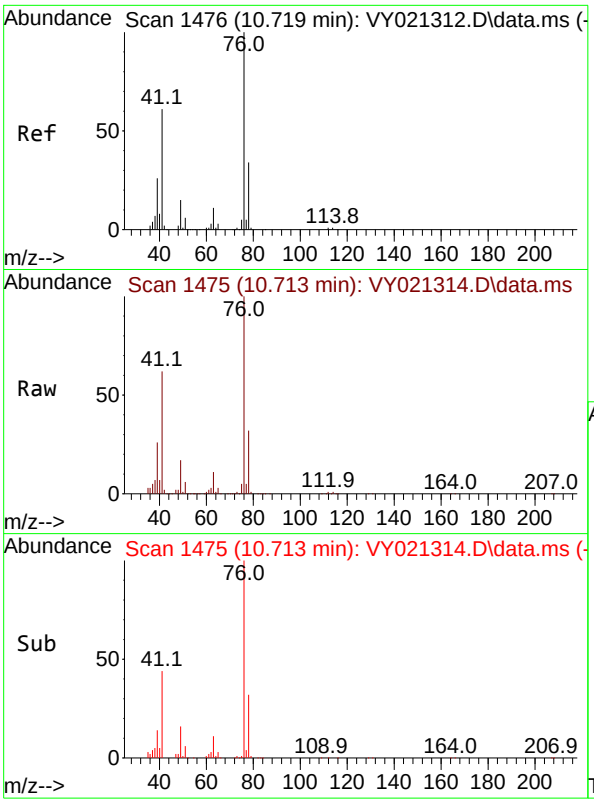




#56
Ethyl methacrylate
Concen: 173.168 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 69 Resp: 337816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.3 | 56.2 | 84.4 |
| 39 | 40.0 | 32.7 | 49.1 |



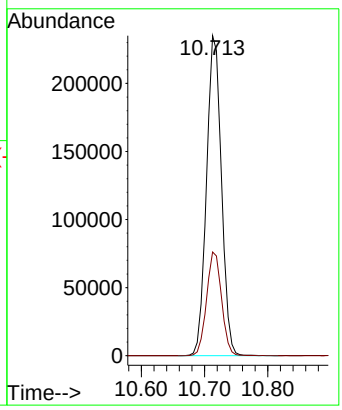


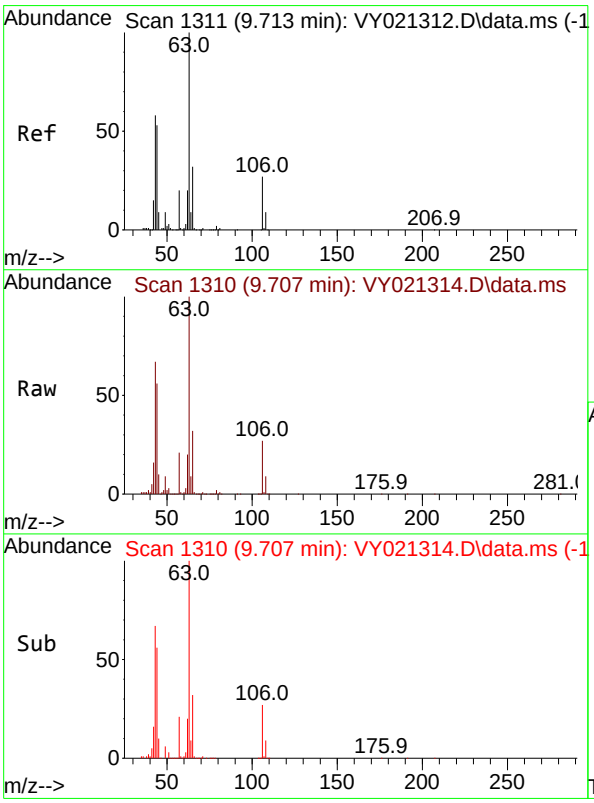

#57
1,3-Dichloropropane
Concen: 155.726 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 385803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 25.9 | 38.9 |

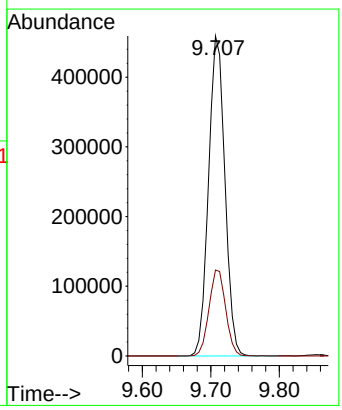


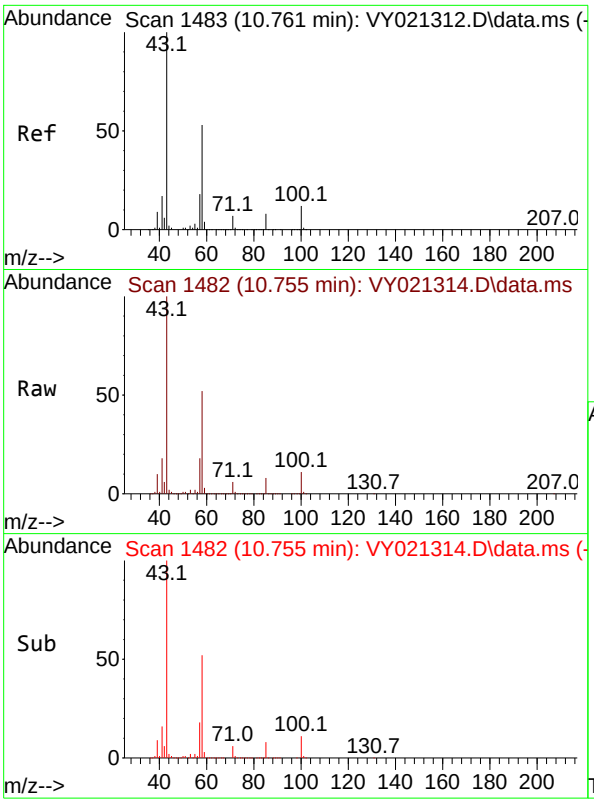




#58
2-Chloroethyl Vinyl ether
Concen: 812.859 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 761125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.4 | 21.7 | 32.5 |



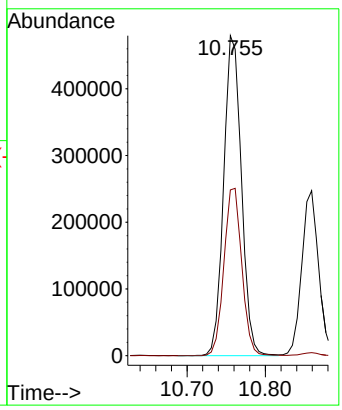


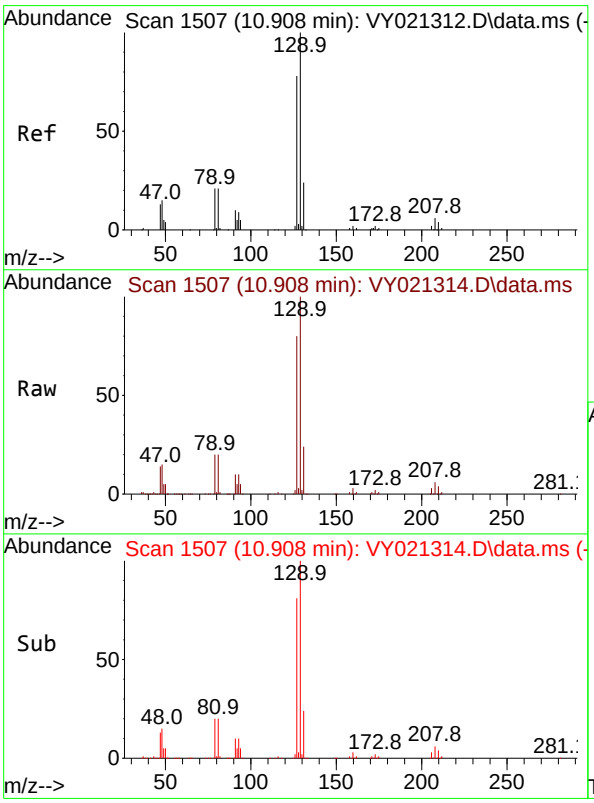

#59
2-Hexanone
Concen: 836.458 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 754575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.8 | 25.9 | 77.6 |

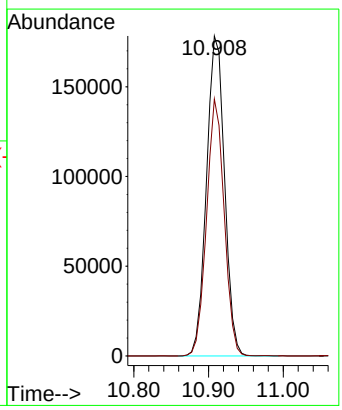


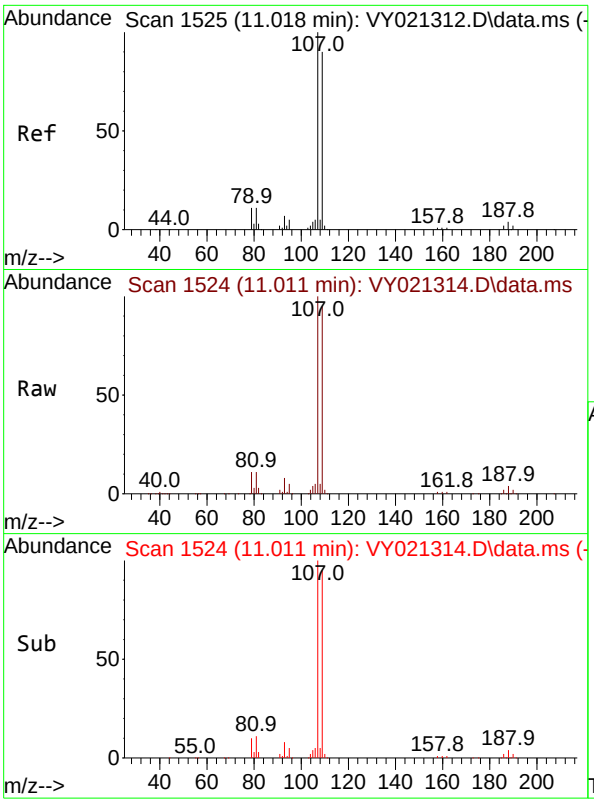




#60
Dibromochloromethane
Concen: 155.598 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:129 Resp: 299188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.3 | 38.8 | 116.4 |



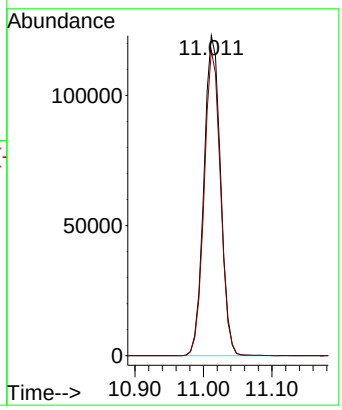


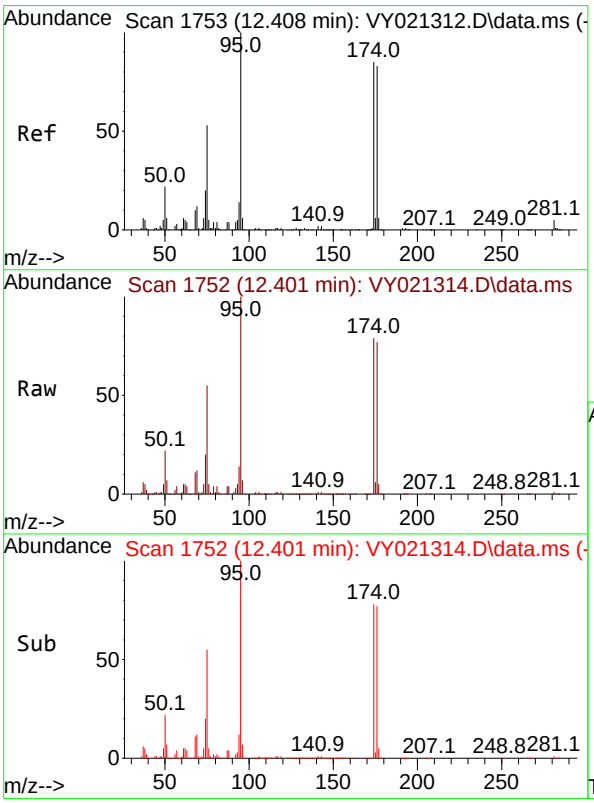

#61
1,2-Dibromoethane
Concen: 155.651 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:107 Resp: 208046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 73.8 | 110.8 |

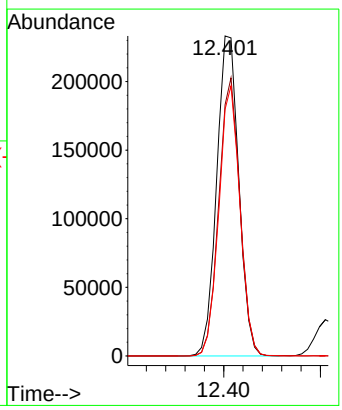


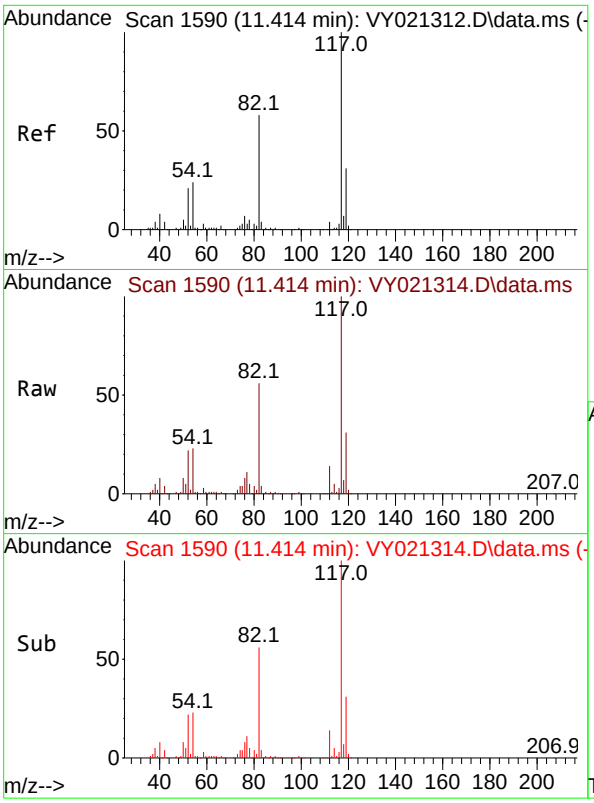




#62
4-Bromofluorobenzene
Concen: 152.937 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 95 Resp: 369071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.9 | 0.0 | 168.0 |
| 176 | 80.5 | 0.0 | 162.6 |



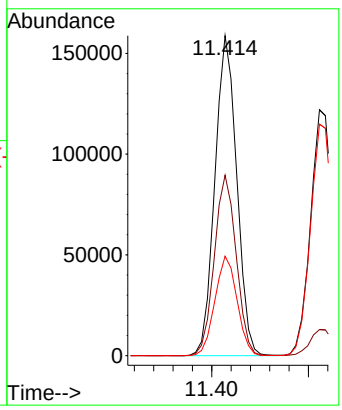


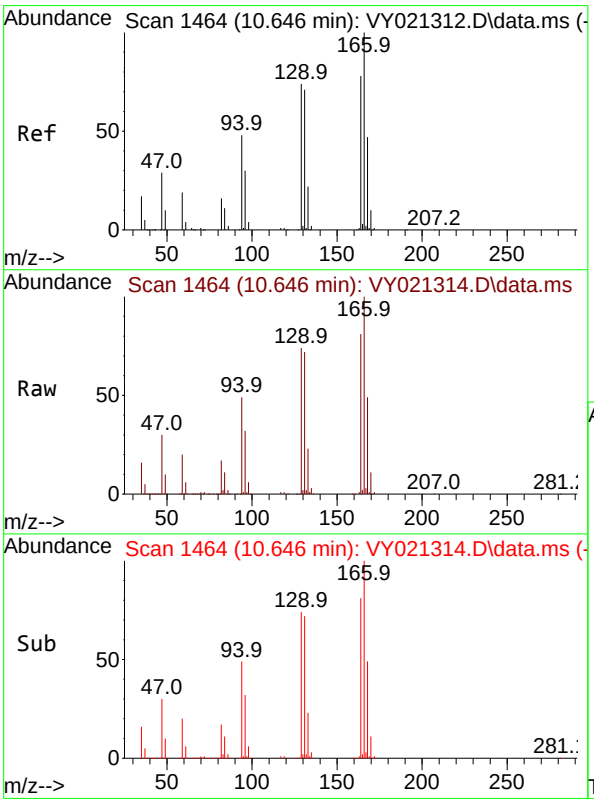

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:117 Resp: 248493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 46.2 | 69.4 |
| 119 | 31.1 | 24.9 | 37.3 |

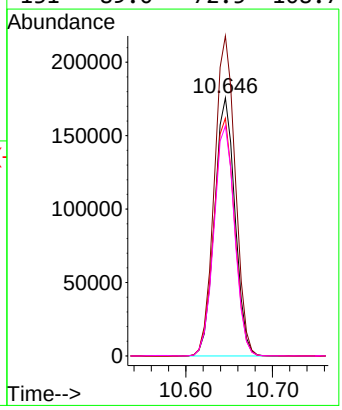


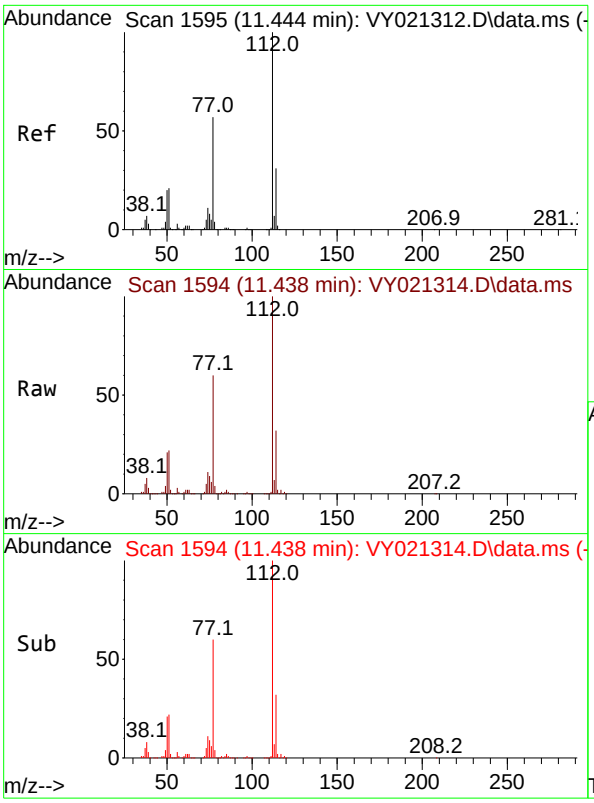




#64
Tetrachloroethene
Concen: 153.351 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:164 Resp: 288026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.0 | 101.9 | 152.9 |
| 129 | 92.1 | 75.5 | 113.3 |
| 131 | 89.0 | 72.5 | 108.7 |



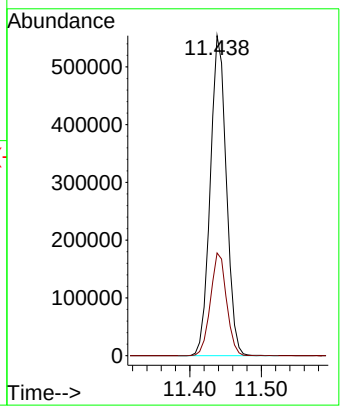


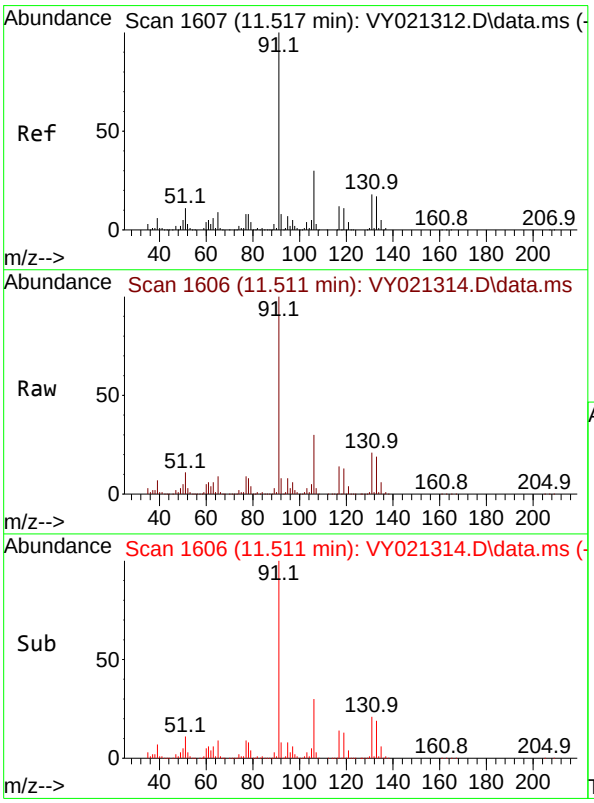

#65
Chlorobenzene
Concen: 154.837 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:112 Resp: 863676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 25.0 | 37.6 |

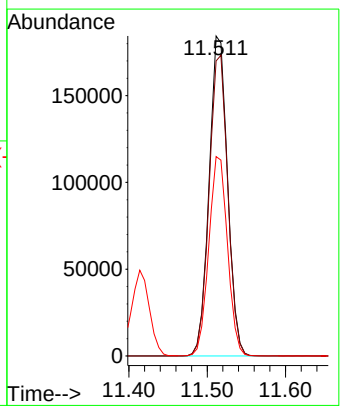


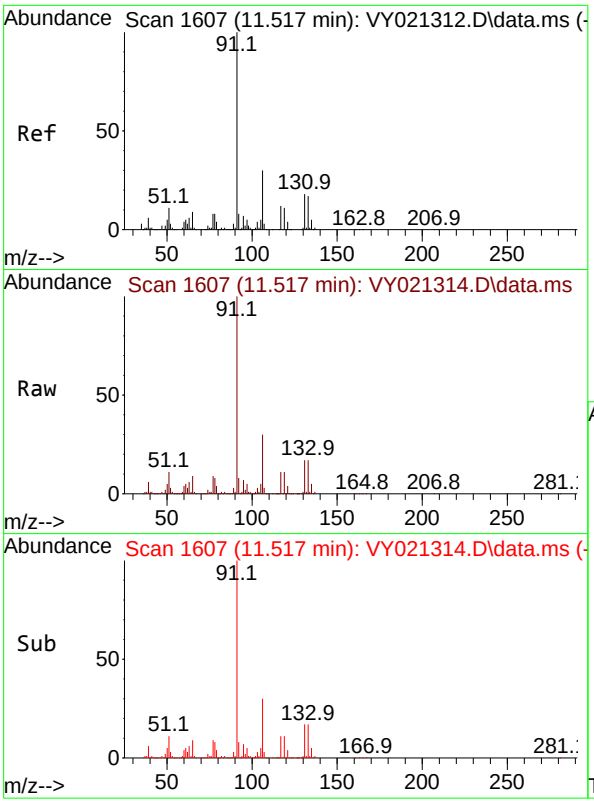




#66
1,1,1,2-Tetrachloroethane
Concen: 154.234 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:131 Resp: 301244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.3 | 47.9 | 143.6 |
| 119 | 63.3 | 31.7 | 95.1 |



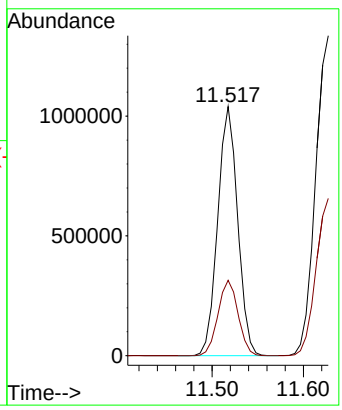


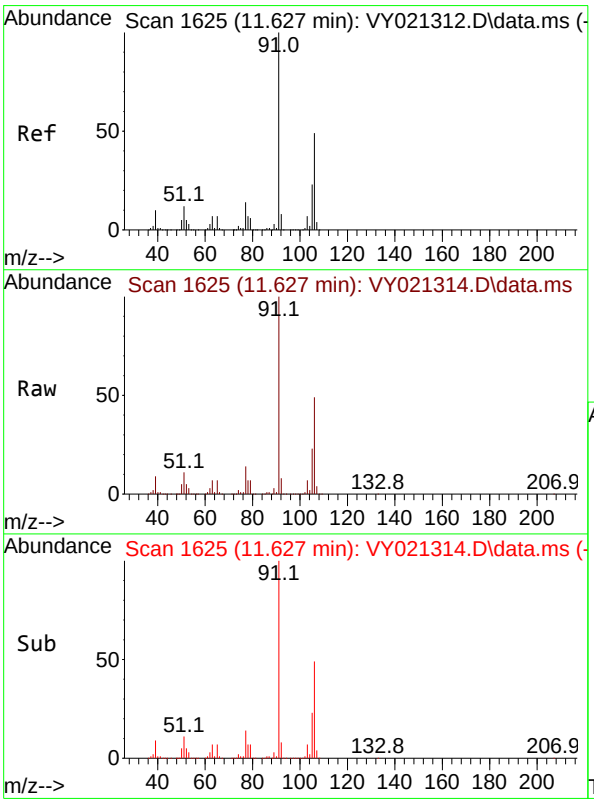

#67
Ethyl Benzene
Concen: 159.586 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 1576743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.2 | 24.4 | 36.6 |

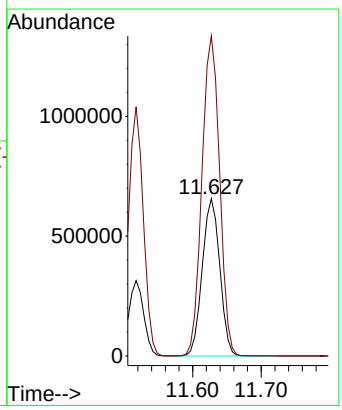


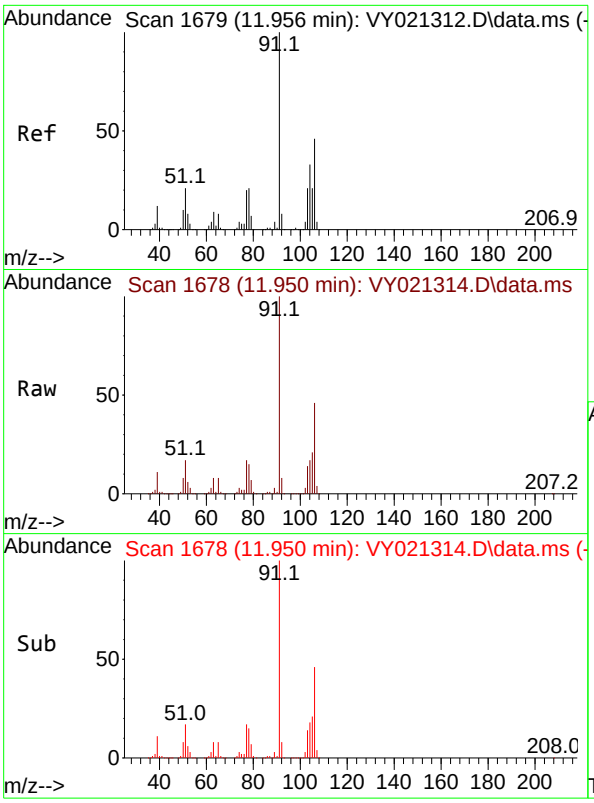




#68
m/p-Xylenes
Concen: 314.246 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:106 Resp: 1167839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.5 | 163.9 | 245.9 |



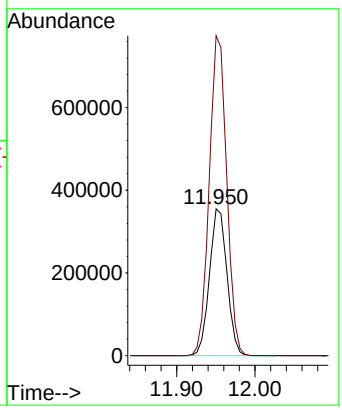


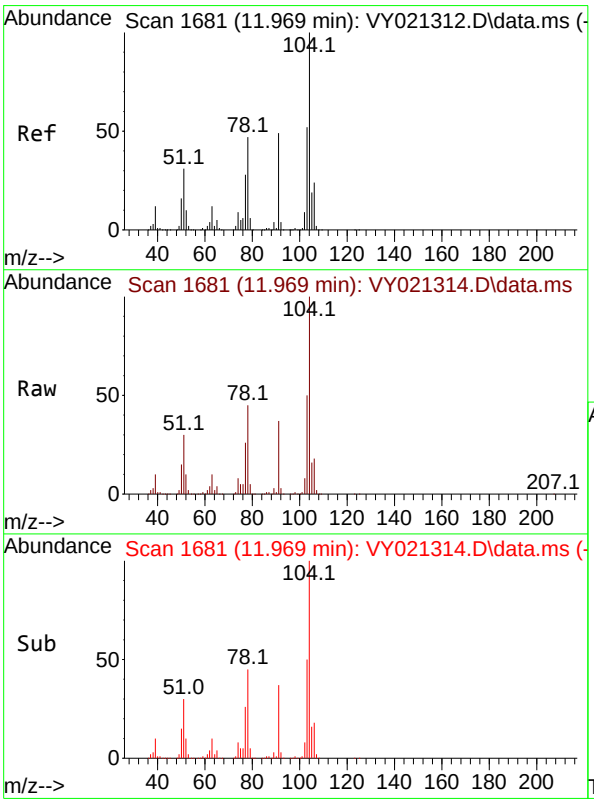

#69
o-Xylene
Concen: 158.258 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:106 Resp: 550972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.0 | 108.1 | 324.2 |

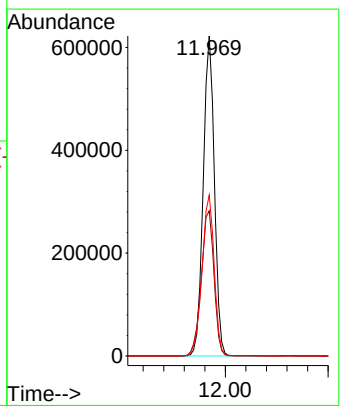


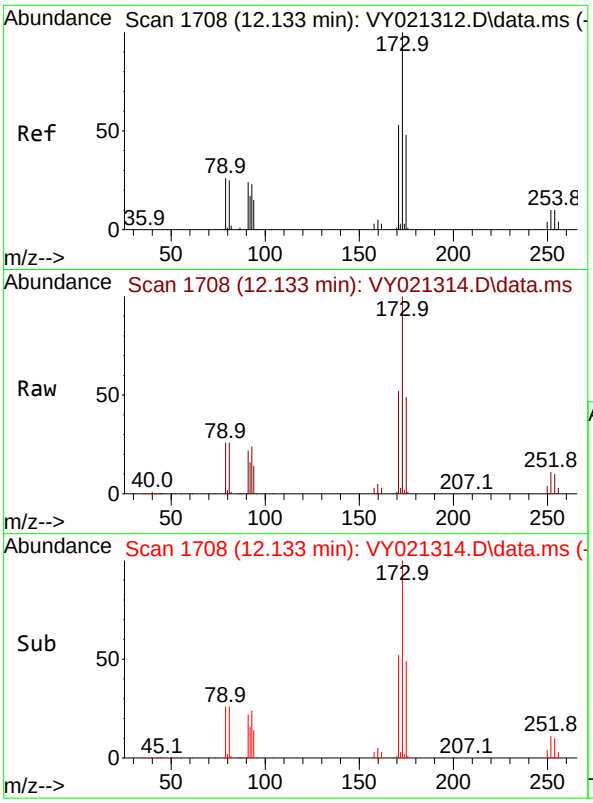




#70
Styrene
Concen: 161.754 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:104 Resp: 936967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 41.3 | 61.9 |
| 103 | 55.0 | 43.9 | 65.9 |



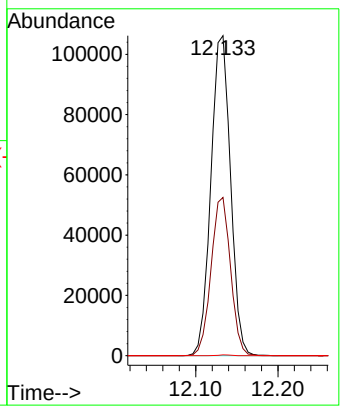


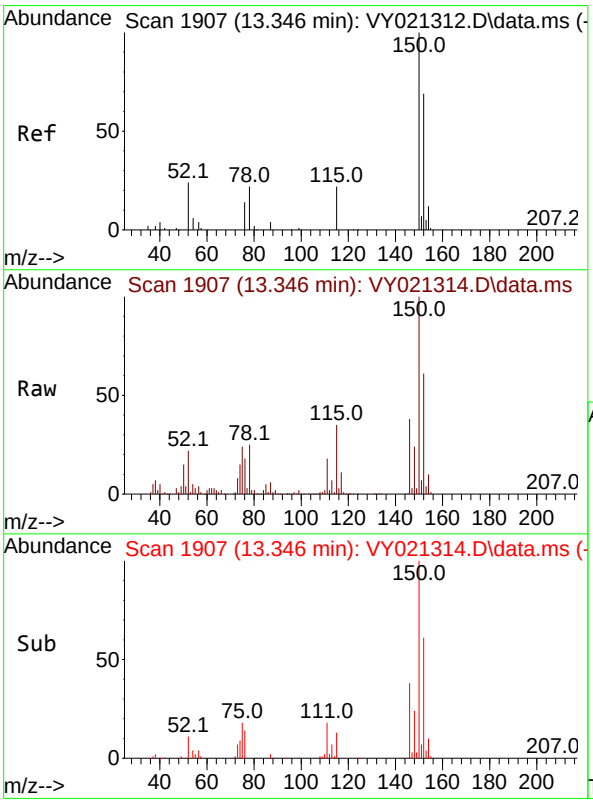

#71
Bromoform
Concen: 157.441 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:173 Resp: 175918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.2 | 24.1 | 72.3 |
| 254 | 0.2 | 0.1 | 0.1# |

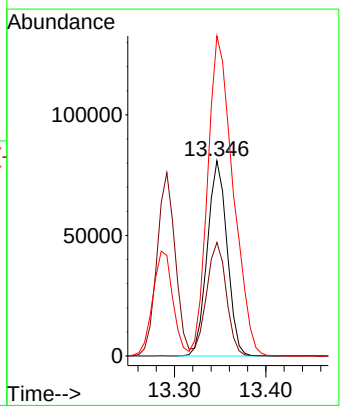


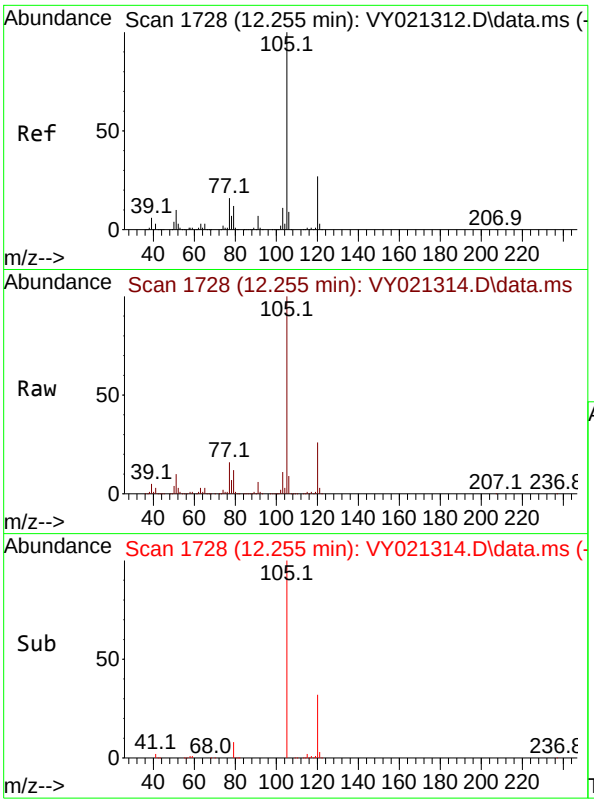




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:152 Resp: 121558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.3 | 29.3 | 88.0 |
| 150 | 210.8 | 0.0 | 347.4 |



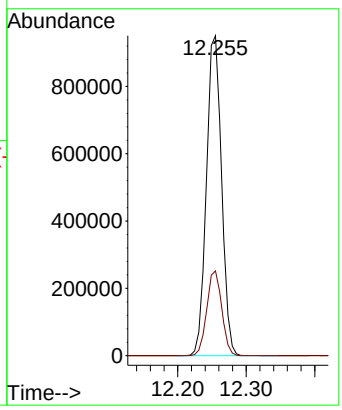


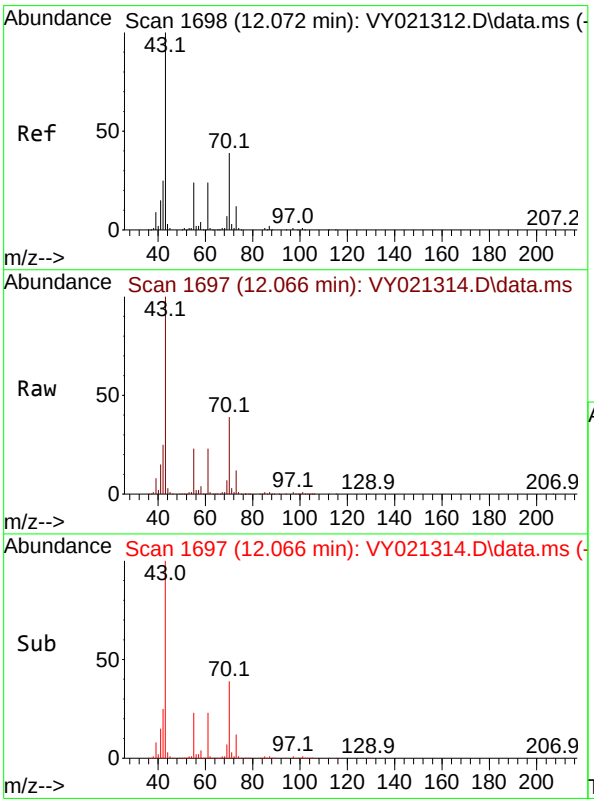

#73
Isopropylbenzene
Concen: 159.969 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 1461905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.3 | 39.8 |

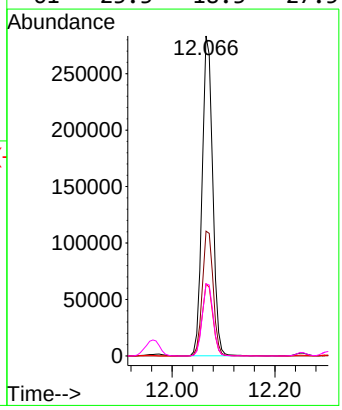


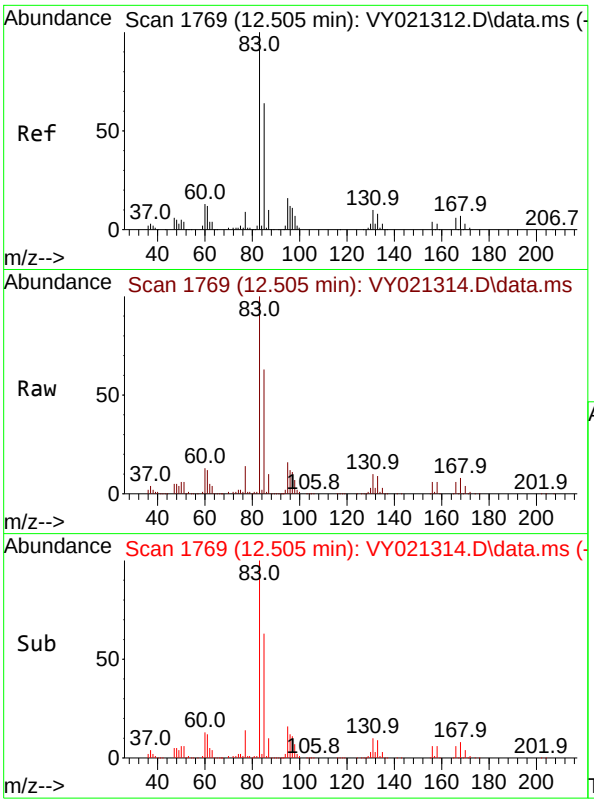




#74
N-amyl acetate
Concen: 173.596 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 403238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 32.2 | 48.2 |
| 55 | 23.0 | 19.6 | 29.4 |
| 61 | 23.3 | 18.3 | 27.5 |



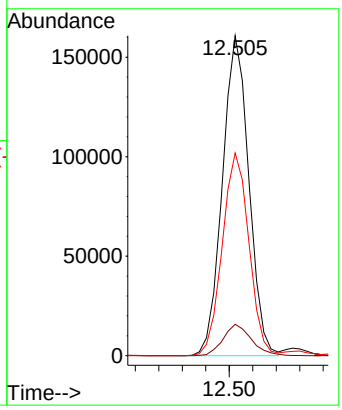


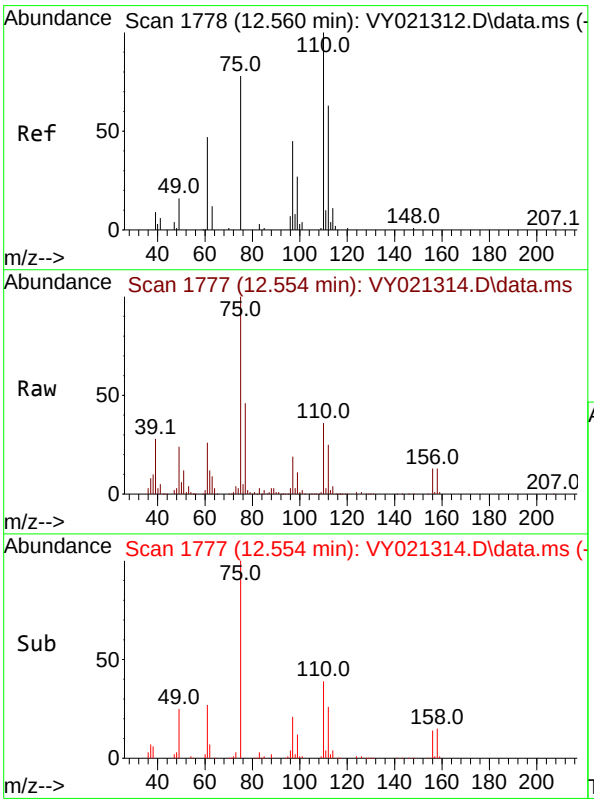

#75
1,1,2,2-Tetrachloroethane
Concen: 155.759 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 251216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.5 | 5.2 | 15.6 |
| 85 | 63.8 | 32.0 | 96.0 |

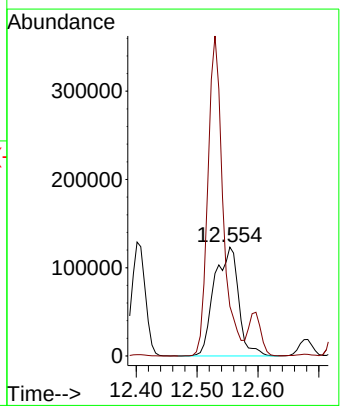


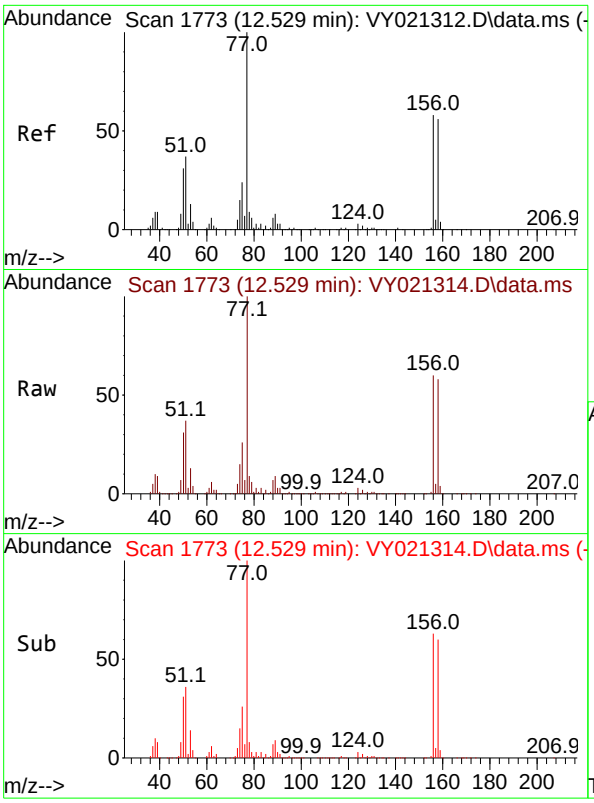




#76
1,2,3-Trichloropropane
Concen: 277.334 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 339496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



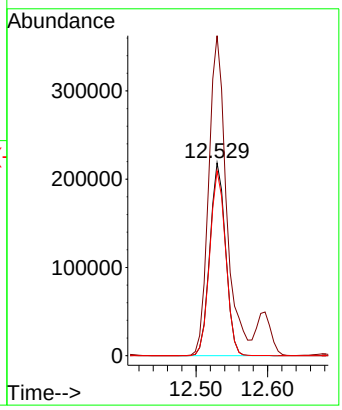


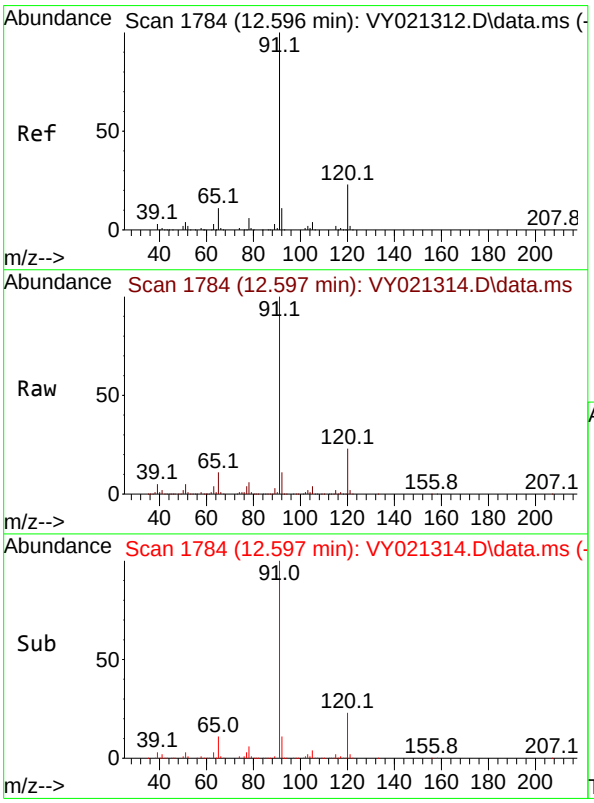

#77
Bromobenzene
Concen: 157.025 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:156 Resp: 333772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 186.1 | 94.0 | 282.1 |
| 158 | 97.0 | 48.7 | 146.1 |

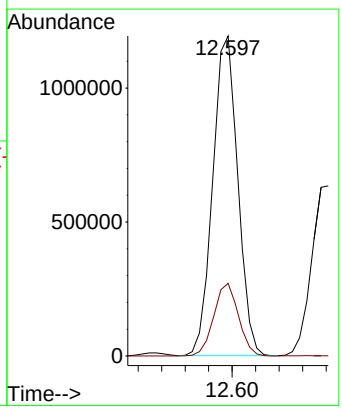


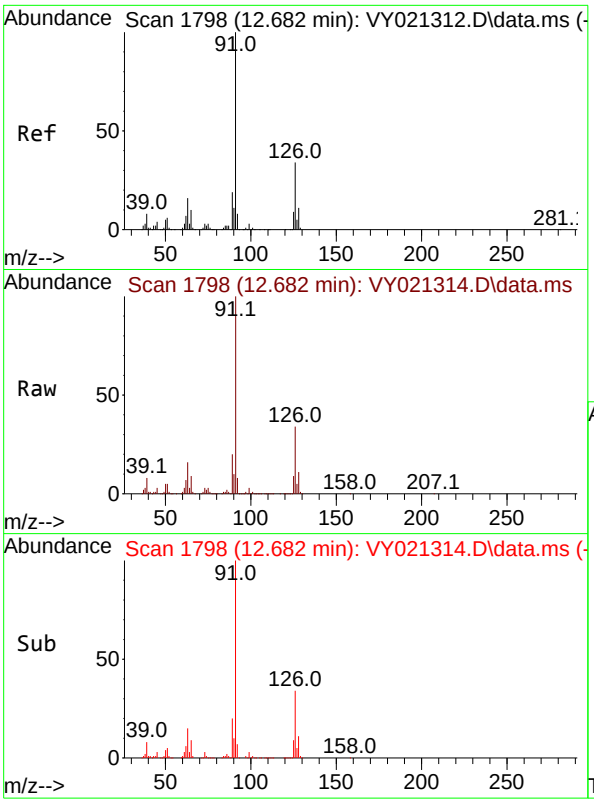




#78
n-propylbenzene
Concen: 159.217 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1765636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.2 | 33.5 |



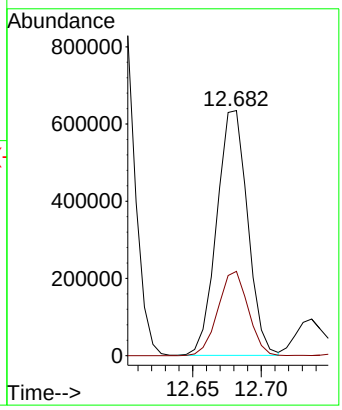


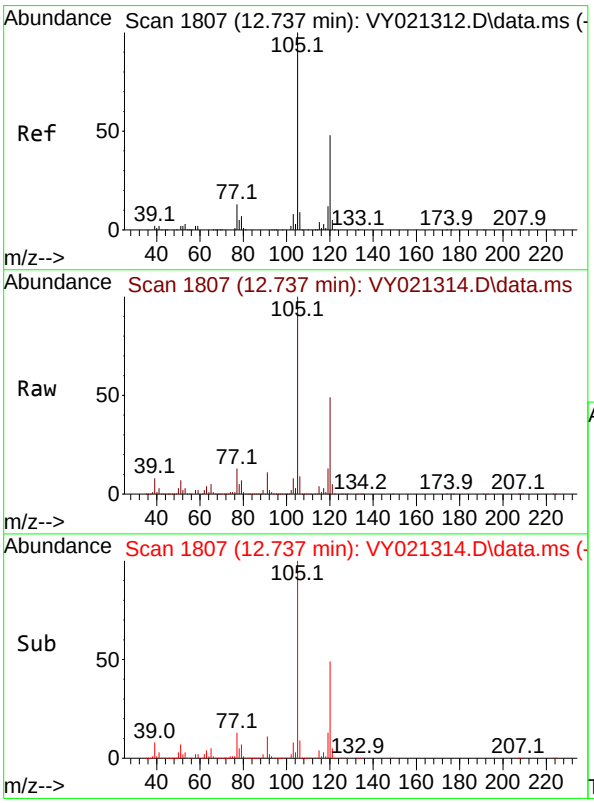

#79
2-Chlorotoluene
Concen: 156.411 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 995452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.7 | 16.9 | 50.6 |

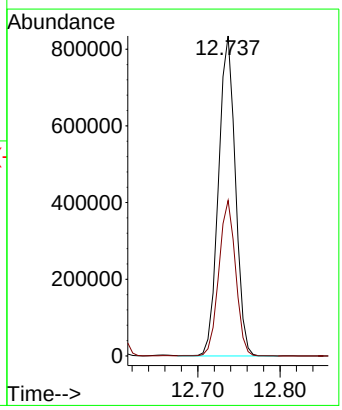


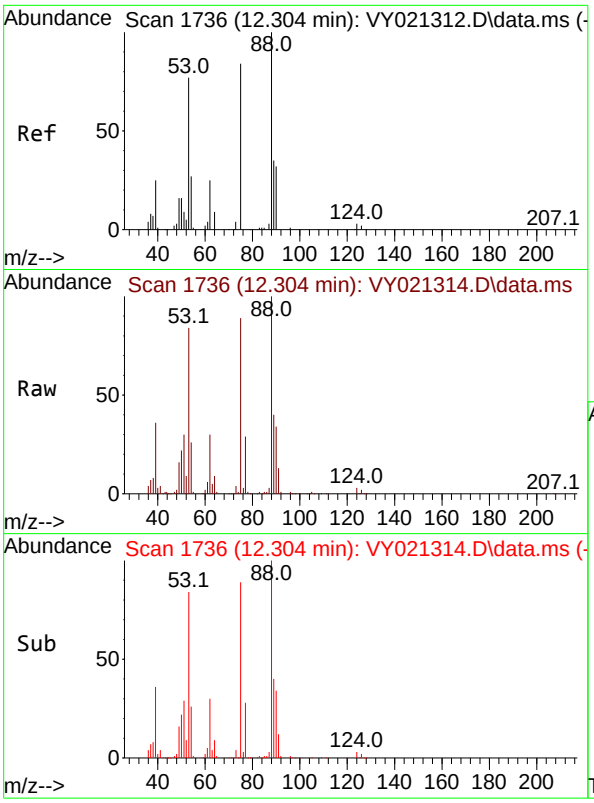




#80
1,3,5-Trimethylbenzene
Concen: 158.830 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1190462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.3 | 73.0 |



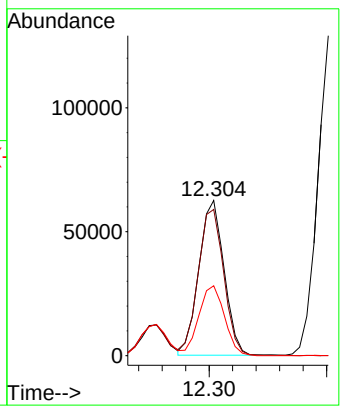


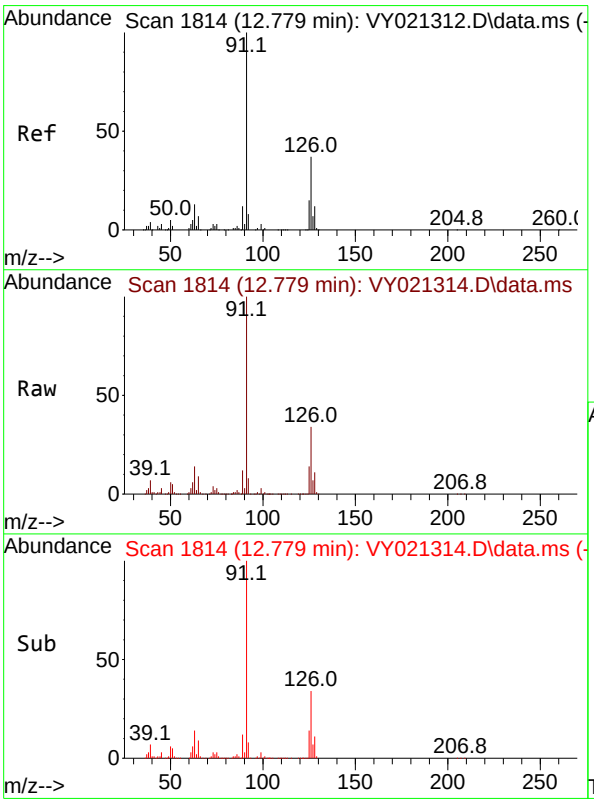

#81
trans-1,4-Dichloro-2-butene
Concen: 169.722 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 92910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 96.8 | 79.1 | 118.7 |
| 89 | 46.3 | 35.6 | 53.4 |

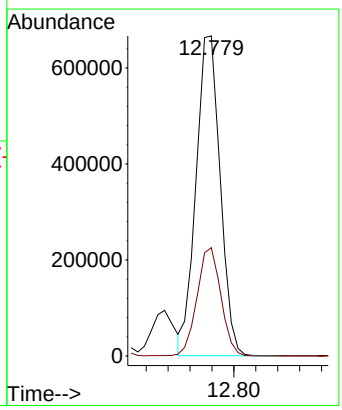


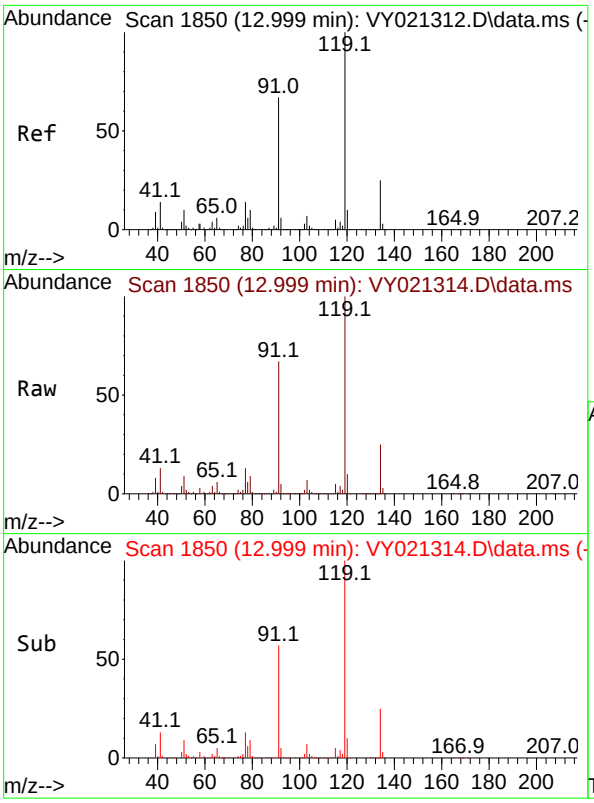




#82
4-Chlorotoluene
Concen: 154.883 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1021811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.8 | 50.4 |



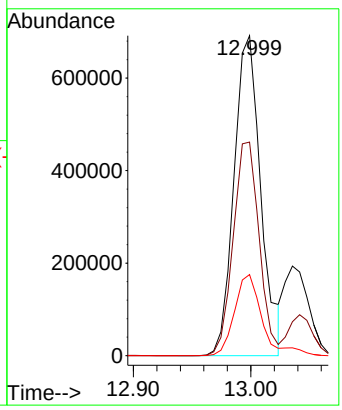


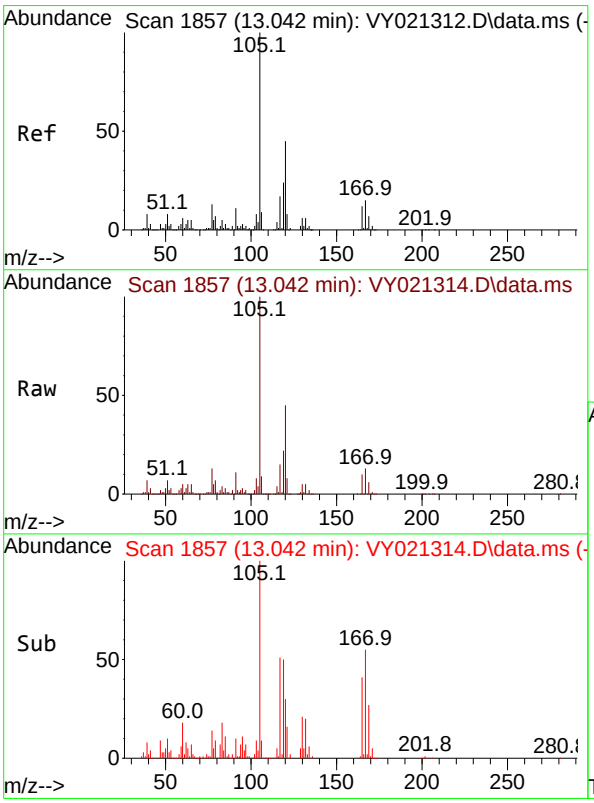

#83
tert-Butylbenzene
Concen: 161.602 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:119 Resp: 1094125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.0 | 32.7 | 98.1 |
| 134 | 26.2 | 13.3 | 39.9 |

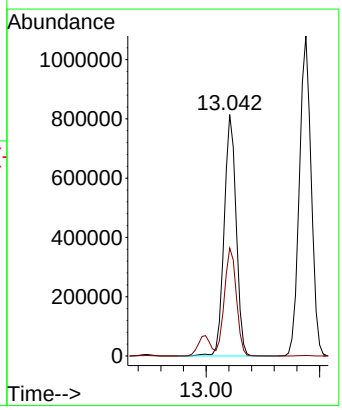


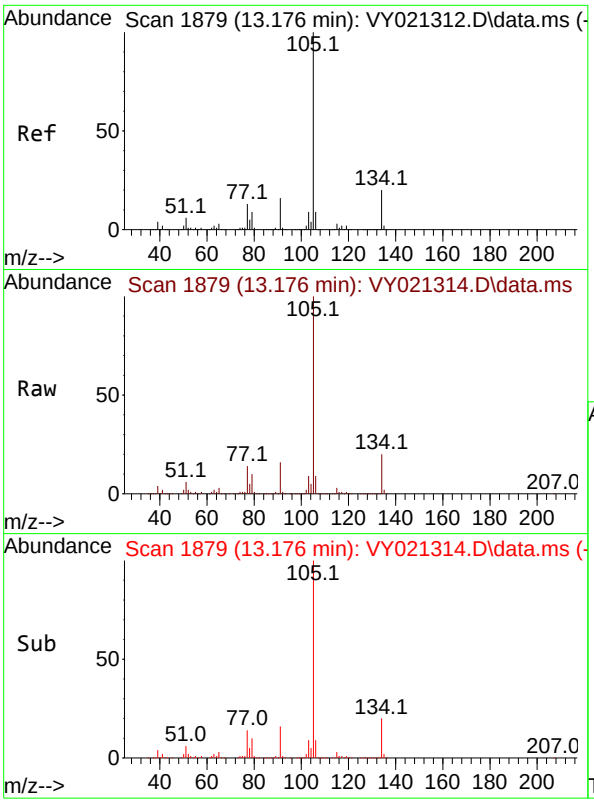




#84
1,2,4-Trimethylbenzene
Concen: 159.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1192062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.5 | 22.4 | 67.3 |



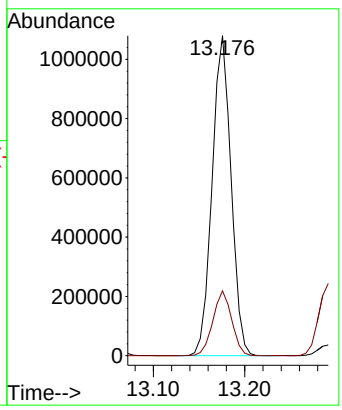


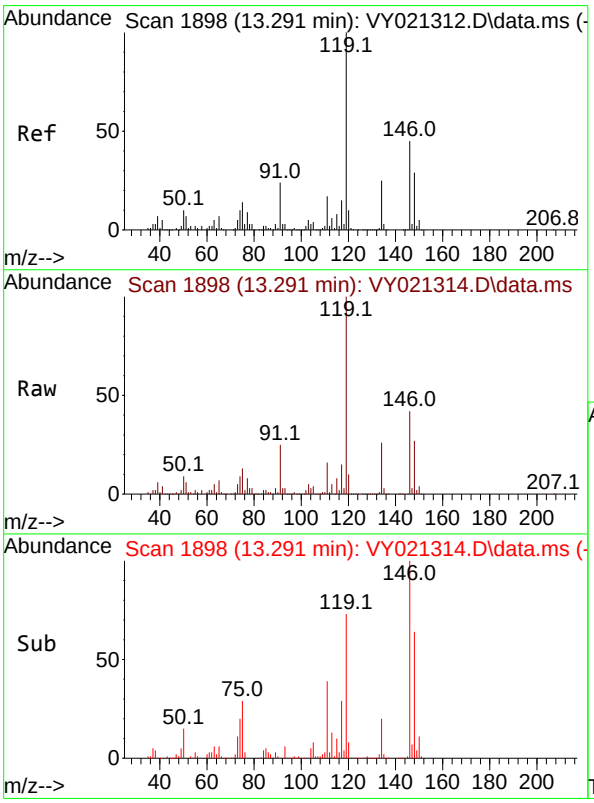

#85
sec-Butylbenzene
Concen: 157.594 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 1558540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 10.0 | 30.0 |

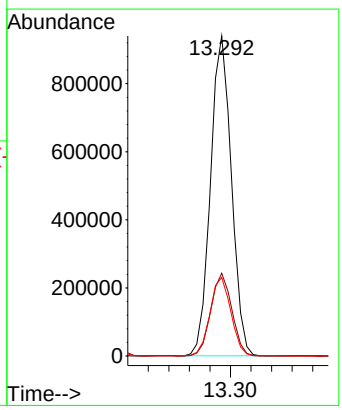


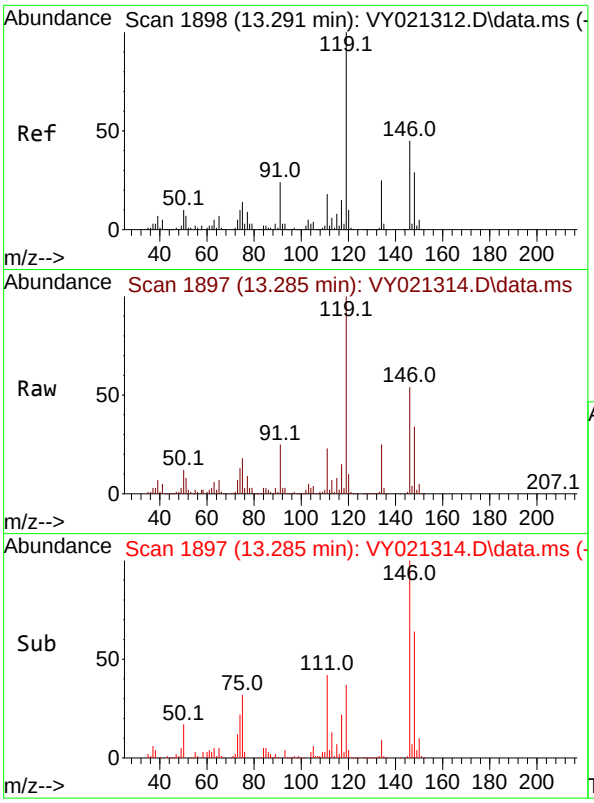




#86
p-Isopropyltoluene
Concen: 160.795 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:119 Resp: 1327819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.0 | 38.9 |
| 91 | 24.5 | 12.0 | 36.1 |



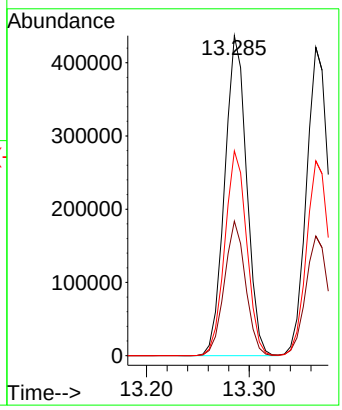


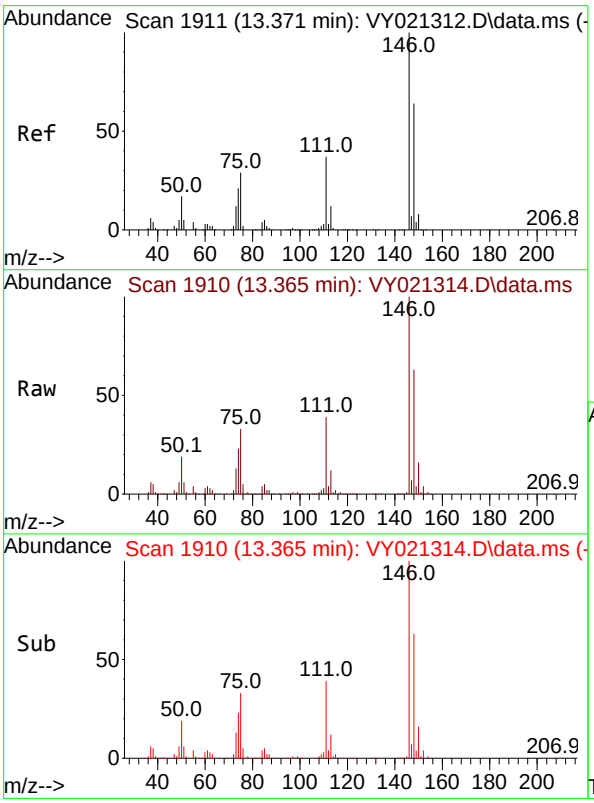

#87
1,3-Dichlorobenzene
Concen: 154.161 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 648204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 20.0 | 59.9 |
| 148 | 63.9 | 31.9 | 95.9 |

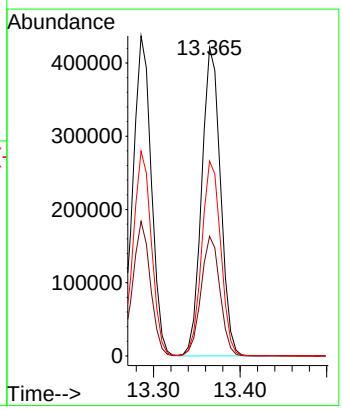


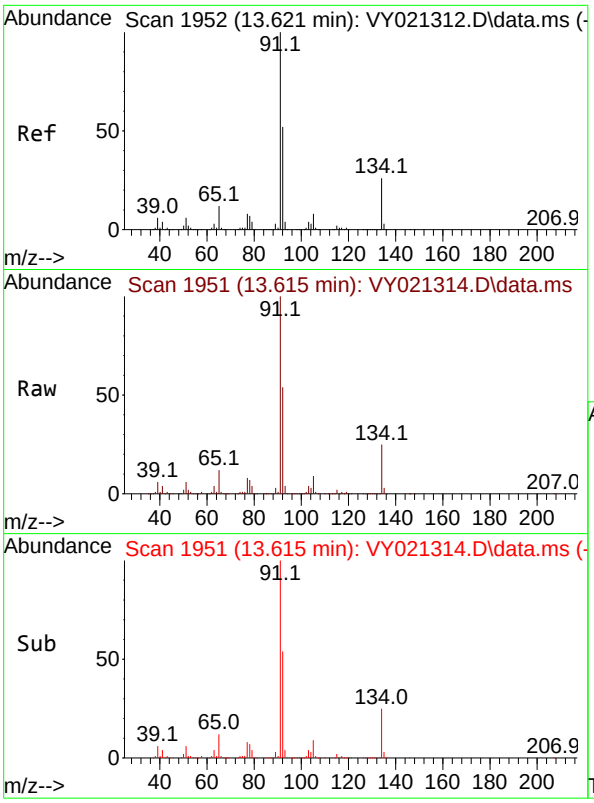




#88
1,4-Dichlorobenzene
Concen: 153.109 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 635981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.9 | 19.5 | 58.5 |
| 148 | 63.7 | 32.0 | 96.2 |



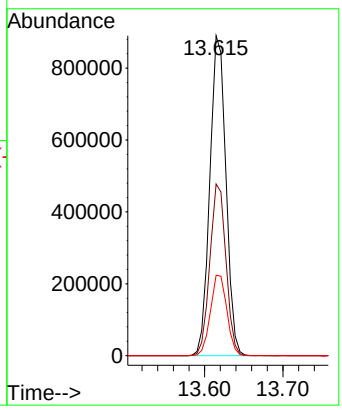


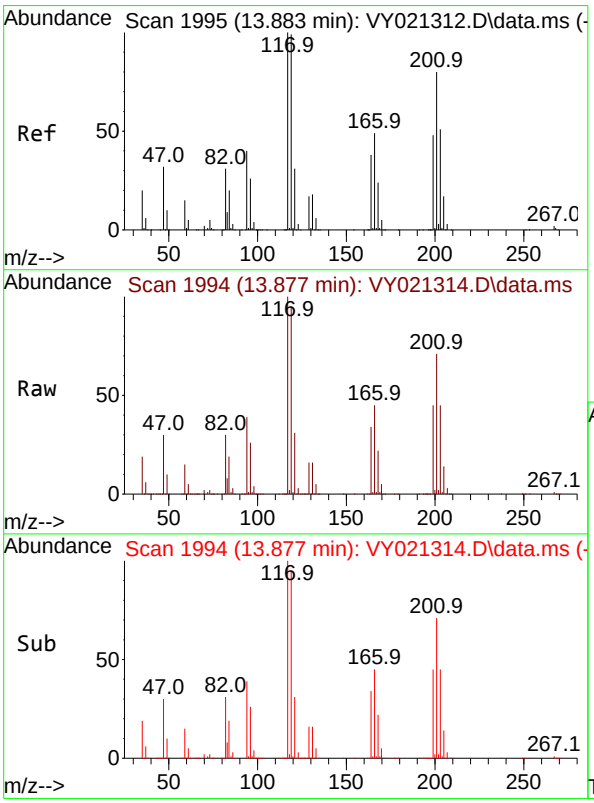

#89
n-Butylbenzene
Concen: 163.350 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 1269399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.4 | 79.2 |
| 134 | 25.7 | 12.7 | 38.0 |

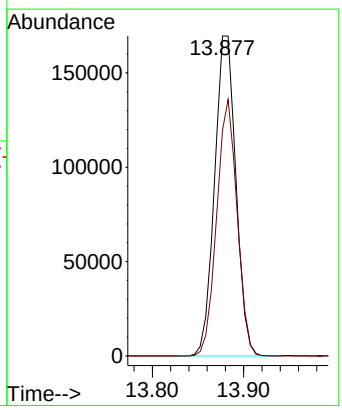


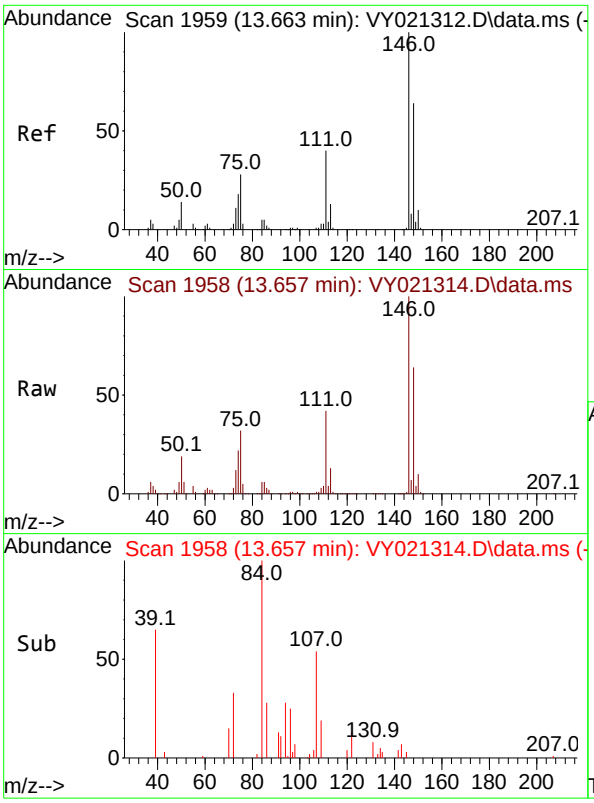




#90
Hexachloroethane
Concen: 159.641 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 275368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.8 | 38.4 | 115.2 |



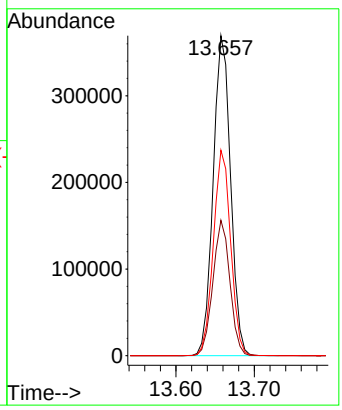


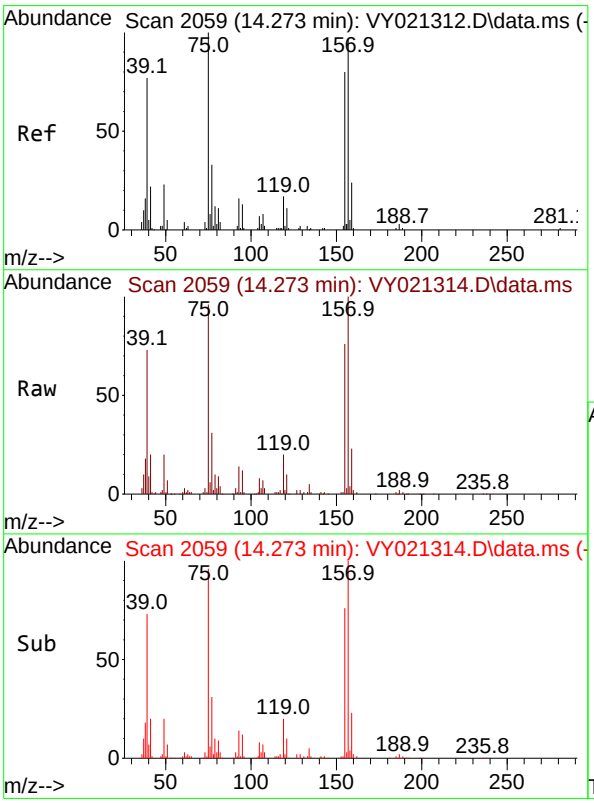

#91
1,2-Dichlorobenzene
Concen: 154.826 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 570360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 20.7 | 62.1 |
| 148 | 63.8 | 31.7 | 95.1 |

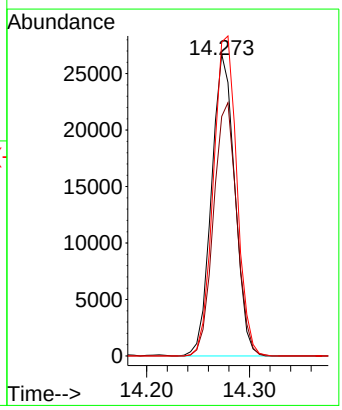


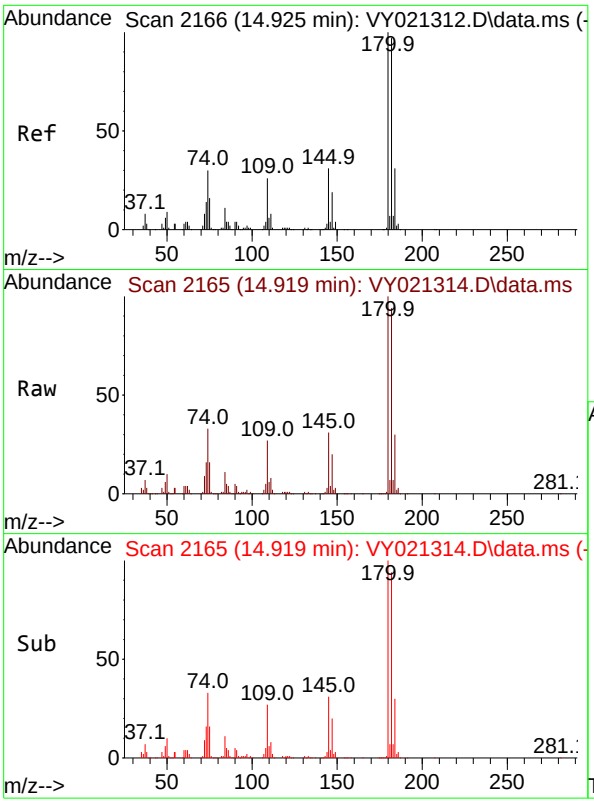




#92
1,2-Dibromo-3-Chloropropane
Concen: 164.851 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 42060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.5 | 41.9 | 125.6 |
| 157 | 106.6 | 52.5 | 157.6 |



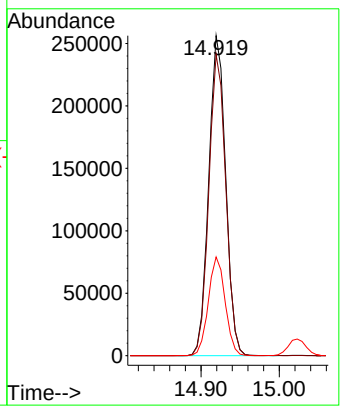


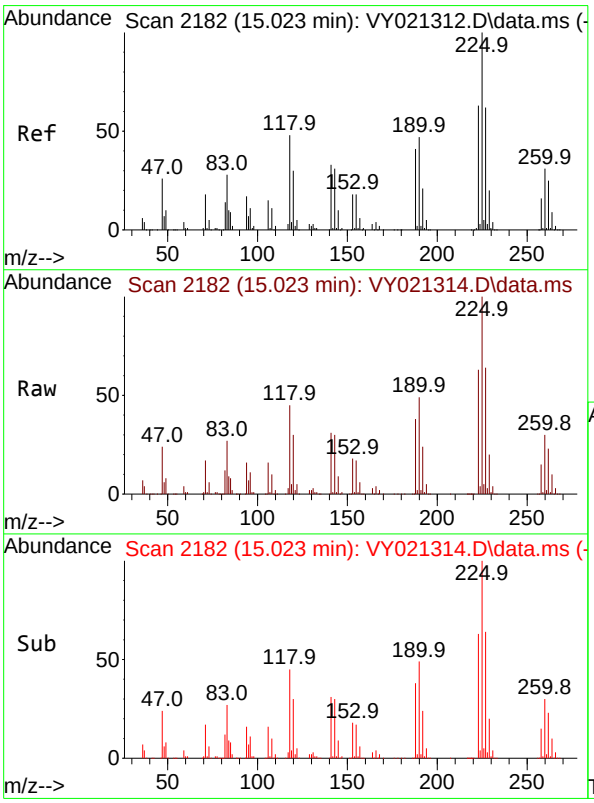

#93
1,2,4-Trichlorobenzene
Concen: 170.860 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:180 Resp: 384163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 47.9 | 143.7 |
| 145 | 30.7 | 15.6 | 46.8 |

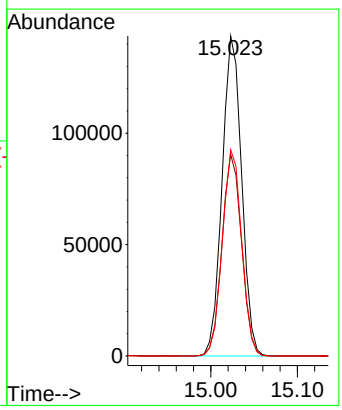


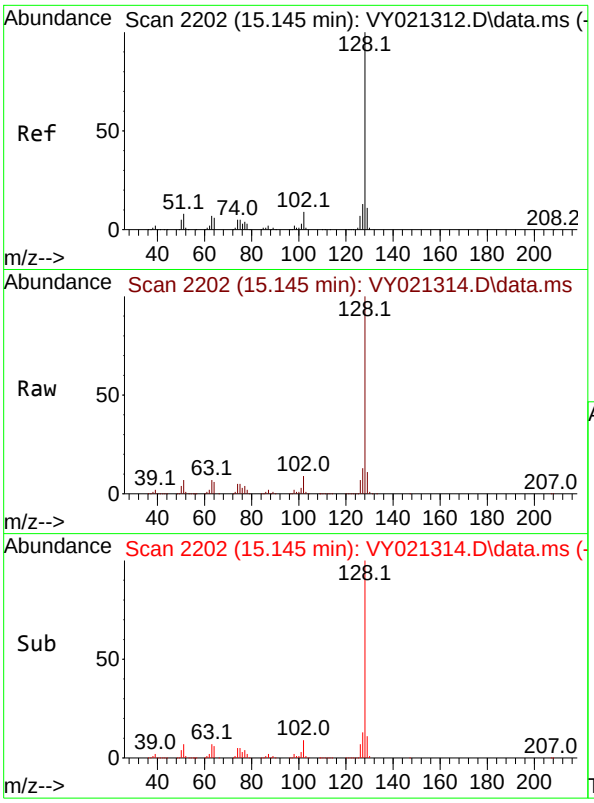




#94
Hexachlorobutadiene
Concen: 158.670 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:225 Resp: 224602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 31.8 | 95.4 |
| 227 | 64.2 | 31.9 | 95.7 |



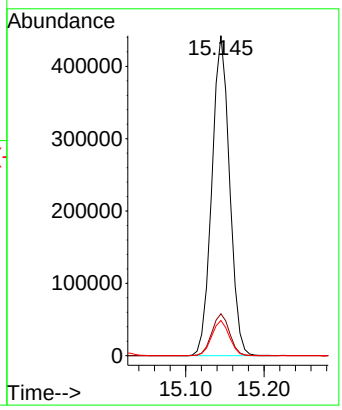


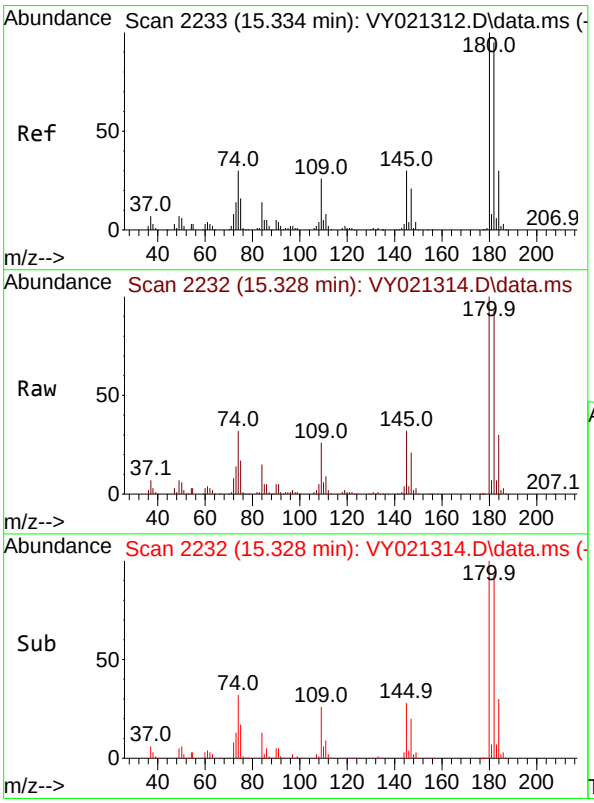

#95
Naphthalene
Concen: 186.517 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC150

Tgt Ion:128 Resp: 694625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.5 | 15.7 |
| 129 | 10.9 | 8.5 | 12.7 |

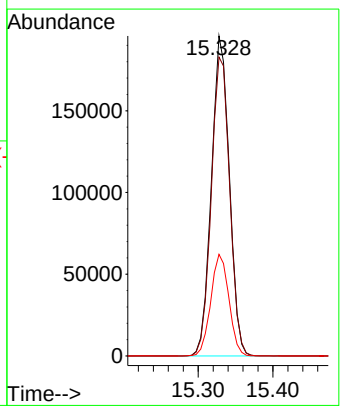



#96
1,2,3-Trichlorobenzene
Concen: 172.067 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 326876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 48.3 | 144.9 |
| 145 | 32.1 | 16.1 | 48.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 190677 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 300486 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 267150 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 130541 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 208535 | 96.407 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 192.820%# | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 193803 | 98.377 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 196.760%# | | | |
| 50) Toluene-d8 | 10.103 | 98 | 752895 | 98.889 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 197.780%# | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 252327 | 98.477 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 196.960%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 170537 | 94.332 | ug/l | 97 |
| 3) Chloromethane | 2.068 | 50 | 217555 | 93.180 | ug/l | 99 |
| 4) Vinyl Chloride | 2.202 | 62 | 221196 | 96.523 | ug/l | 97 |
| 5) Bromomethane | 2.592 | 94 | 136840 | 89.858 | ug/l | 100 |
| 6) Chloroethane | 2.732 | 64 | 135372 | 95.259 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 331928 | 95.909 | ug/l | 95 |
| 8) Diethyl Ether | 3.452 | 74 | 100381 | 96.637 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 3.811 | 101 | 193544 | 96.593 | ug/l | 99 |
| 10) Methyl Iodide | 4.000 | 142 | 228728 | 108.503 | ug/l | 100 |
| 11) Tert butyl alcohol | 4.854 | 59 | 65742 | 395.134 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 186684 | 97.304 | ug/l | 99 |
| 13) Acrolein | 3.653 | 56 | 11267 | 88.370 | ug/l | 99 |
| 14) Allyl chloride | 4.378 | 41 | 339203 | 99.720 | ug/l | 99 |
| 15) Acrylonitrile | 5.055 | 53 | 219275 | 477.449 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 196435 | 473.421 | ug/l | 99 |
| 17) Carbon Disulfide | 4.104 | 76 | 617661 | 96.953 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 95405 | 94.085 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.110 | 73 | 498467 | 98.337 | ug/l | 99 |
| 20) Methylene Chloride | 4.616 | 84 | 201698 | 89.894 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 208498 | 98.718 | ug/l | 96 |
| 22) Diisopropyl ether | 6.018 | 45 | 697290 | 99.061 | ug/l | 97 |
| 23) Vinyl Acetate | 5.957 | 43 | 2103219 | 500.017 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.909 | 63 | 384030 | 96.798 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 303077 | 483.977 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 350870 | 97.467 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 238916 | 99.061 | ug/l | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 167271 | 95.287 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.256 | 42 | 199056 | 486.299 | ug/l | 98 |
| 30) Chloroform | 7.421 | 83 | 387767 | 96.458 | ug/l | 99 |
| 31) Cyclohexane | 7.701 | 56 | 351876 | 92.269 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 353701 | 96.663 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 287472 | 97.146 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 137233 | 93.230 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 321576 | 96.663 | ug/l | 99 |
| 39) Methylcyclohexane | 9.109 | 83 | 371172 | 99.169 | ug/l | 99 |
| 40) Benzene | 8.079 | 78 | 847066 | 96.835 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.213 | 41 | 77542 | 94.219 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 8.152 | 62 | 236704 | 95.375 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.195 | 43 | 280321 | 98.388 | ug/l | | 99 |
| 44) Trichloroethene | 8.865 | 130 | 212562 | 97.057 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 201701 | 95.814 | ug/l | | 98 |
| 46) Dibromomethane | 9.231 | 93 | 110814 | 96.301 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 297320 | 96.904 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.219 | 41 | 135412 | 101.635 | ug/l | | 99 |
| 49) 1,4-Dioxane | 9.225 | 88 | 24355 | 1903.504 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 716009 | 490.938 | ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 539016 | 99.189 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 284731 | 101.290 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 328107 | 98.870 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 142372 | 94.975 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.438 | 69 | 216586 | 104.564 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 255903 | 97.283 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 530695 | 533.791 | ug/l | | 100 |
| 59) 2-Hexanone | 10.761 | 43 | 485734 | 507.115 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.908 | 129 | 199225 | 97.582 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 136284 | 96.029 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 189679 | 93.936 | ug/l | | 99 |
| 65) Chlorobenzene | 11.438 | 112 | 576109 | 96.070 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 203696 | 97.007 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.517 | 91 | 1057129 | 99.522 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 783034 | 195.986 | ug/l | | 100 |
| 69) o-Xylene | 11.956 | 106 | 370964 | 99.112 | ug/l | | 100 |
| 70) Styrene | 11.969 | 104 | 619437 | 99.469 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 114495 | 95.313 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 987758 | 100.648 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 258576 | 103.658 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 162941 | 94.075 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 221853 | 168.760 | ug/l | # | 100 |
| 77) Bromobenzene | 12.529 | 156 | 223081 | 97.728 | ug/l | | 98 |
| 78) n-propylbenzene | 12.596 | 91 | 1186751 | 99.651 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 666071 | 97.455 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 794247 | 98.676 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 58806 | 100.031 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 687385 | 97.022 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 720480 | 99.092 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 795840 | 99.415 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 1041022 | 98.021 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 881757 | 99.431 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 435489 | 96.445 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 425301 | 95.343 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 840236 | 100.683 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 181015 | 97.720 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 377453 | 95.410 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 26541 | 96.867 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 248146 | 102.770 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 147103 | 96.770 | ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 436817 | 109.220 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 211313 | 103.581 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

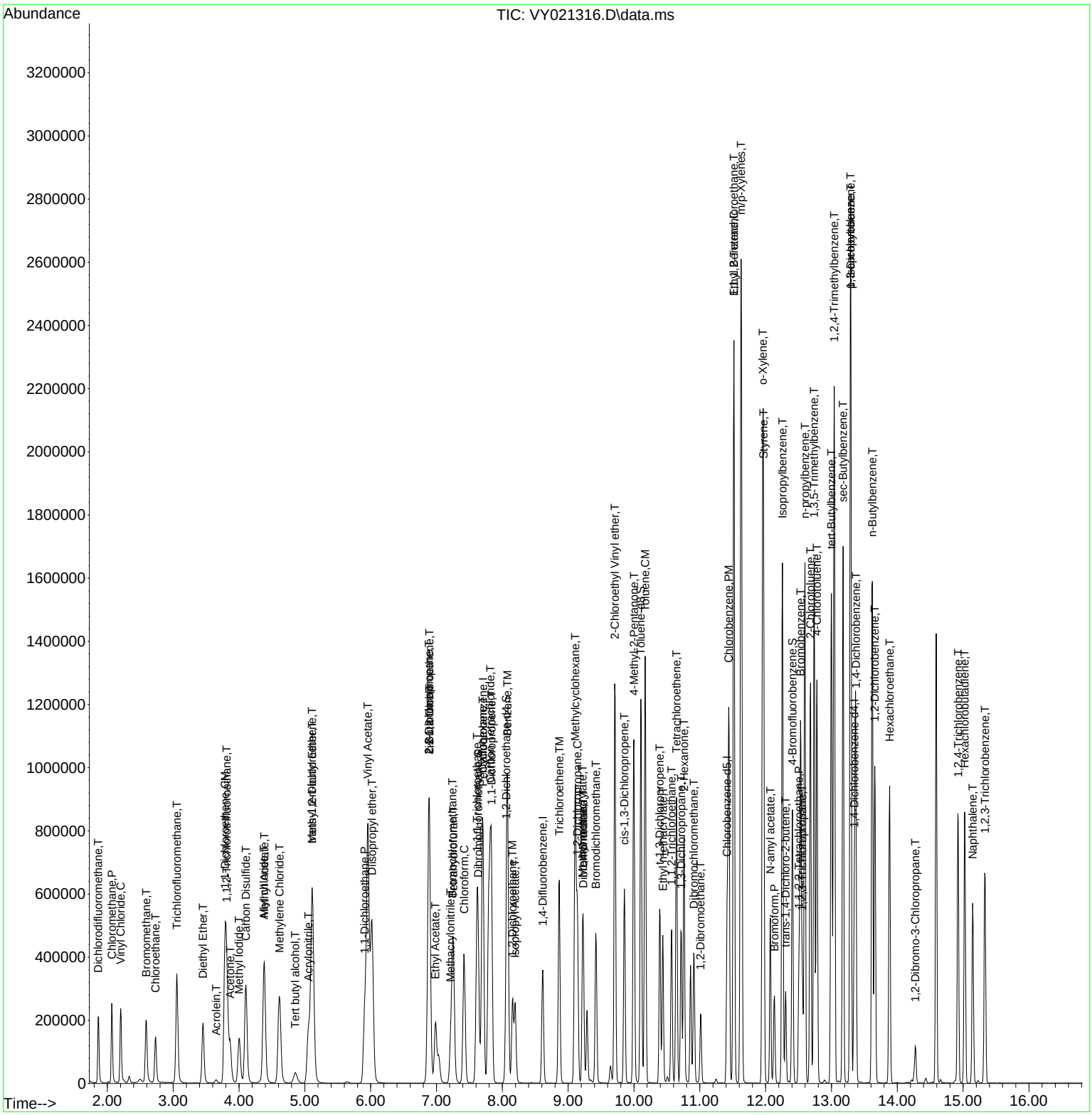
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

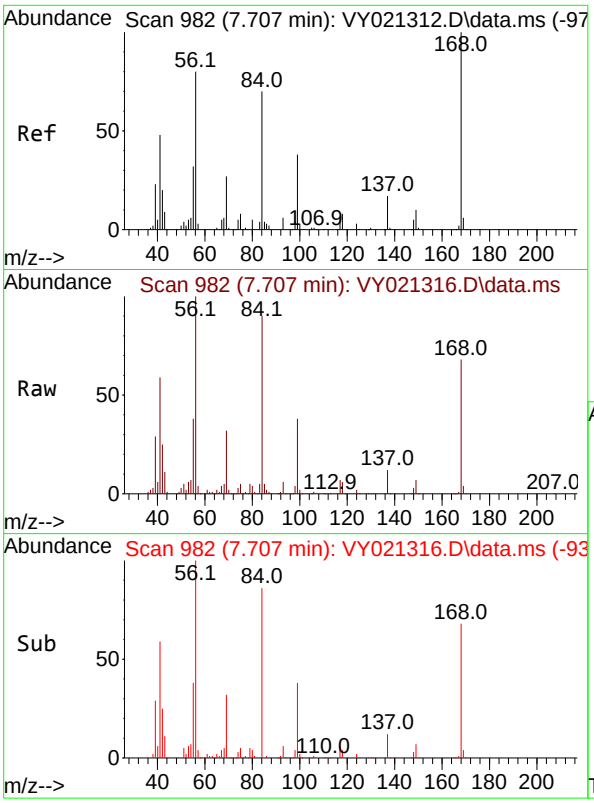
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



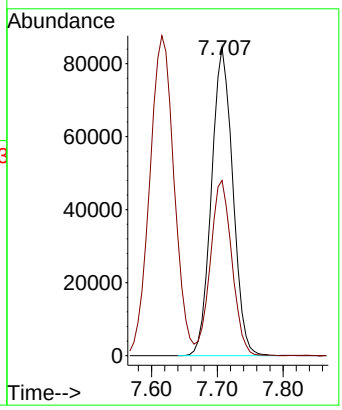


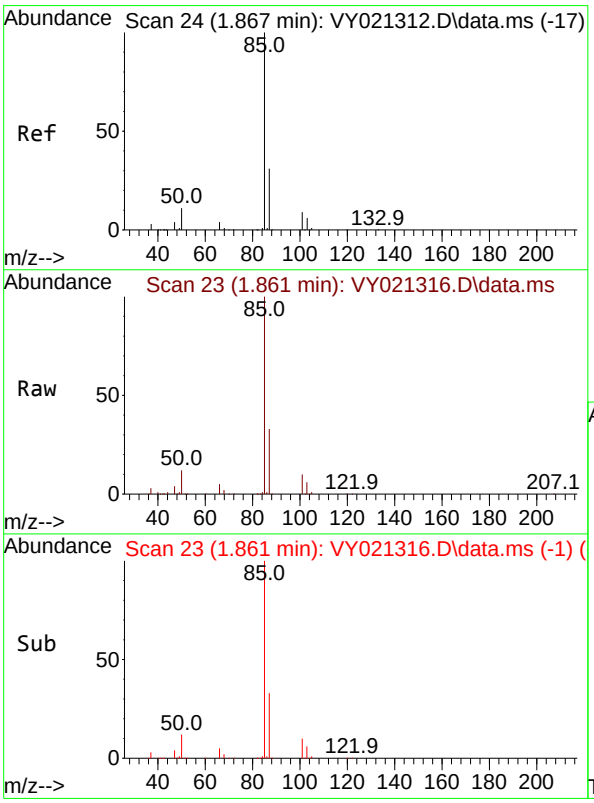

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:168 Resp: 190677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.8 | 47.1 | 70.7 |

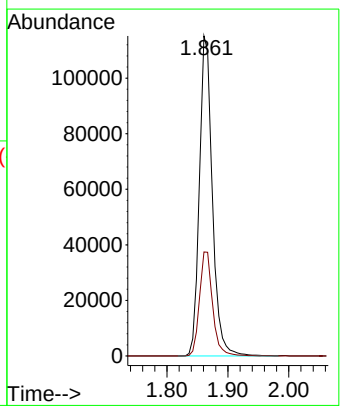


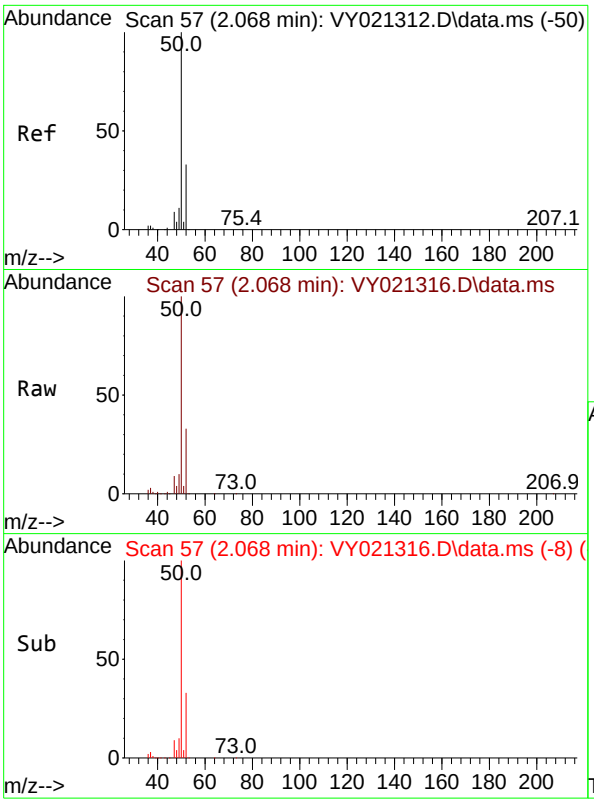




#2
Dichlorodifluoromethane
Concen: 94.332 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 85 Resp: 170537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 15.4 | 46.4 |



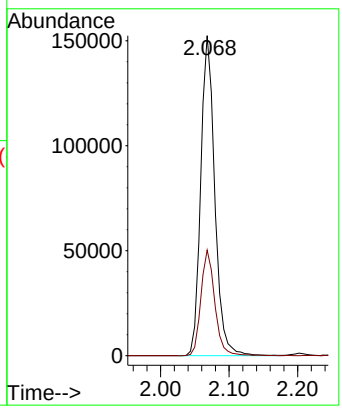


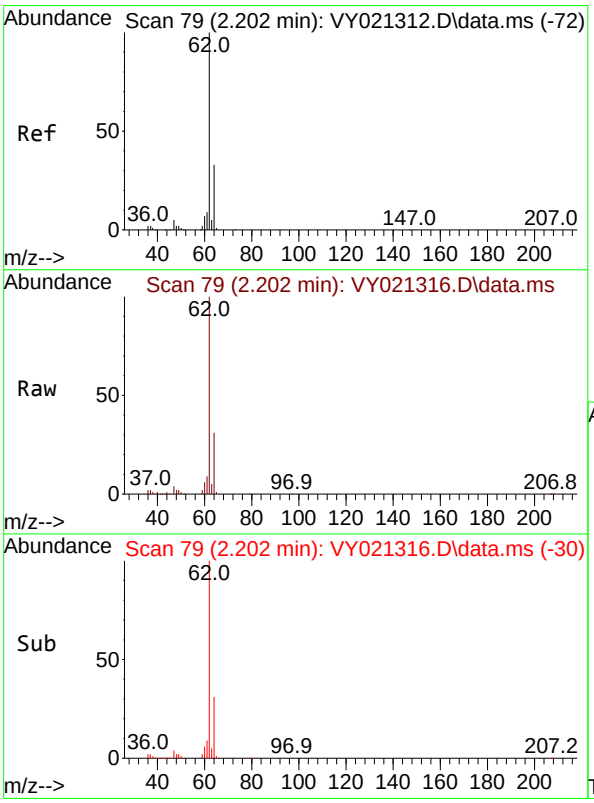

#3
Chloromethane
Concen: 93.180 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 50 Resp: 217555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.0 | 26.6 | 40.0 |

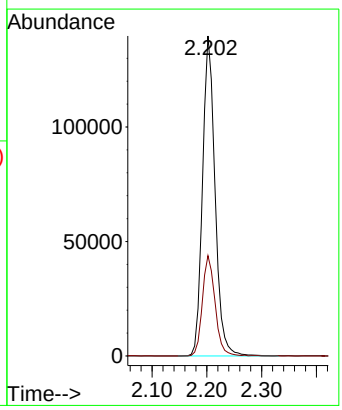


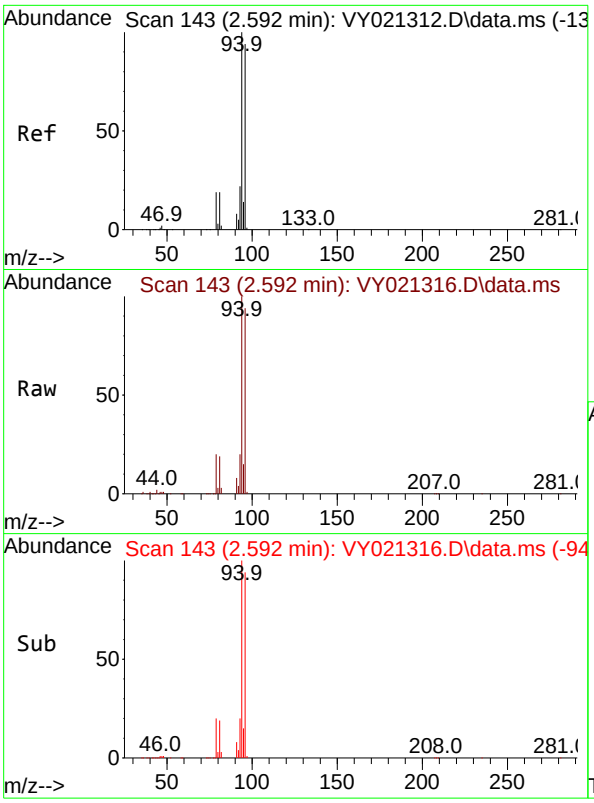




#4
Vinyl Chloride
Concen: 96.523 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 221196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.4 | 26.3 | 39.5 |



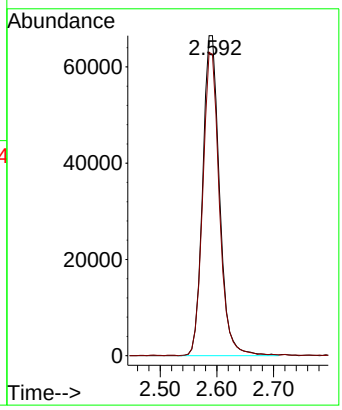


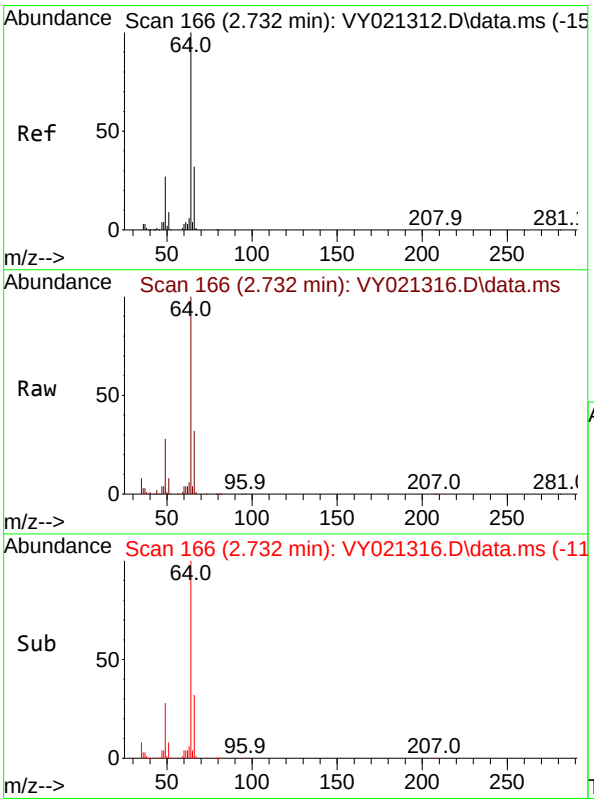

#5
Bromomethane
Concen: 89.858 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 94 Resp: 136840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.2 | 75.2 | 112.8 |

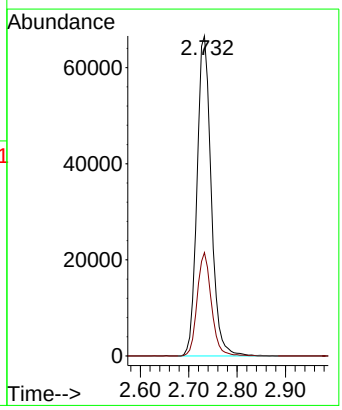


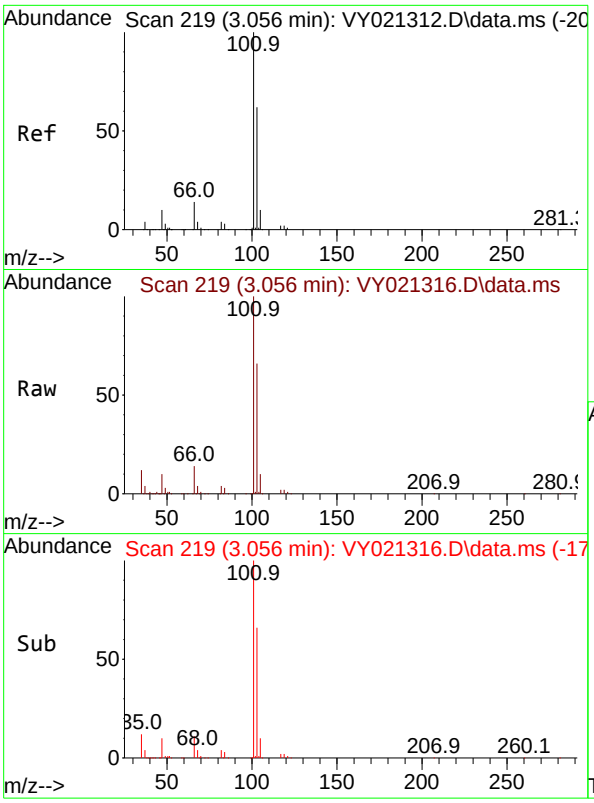




#6
Chloroethane
Concen: 95.259 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 64 Resp: 135372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.3 | 25.4 | 38.0 |



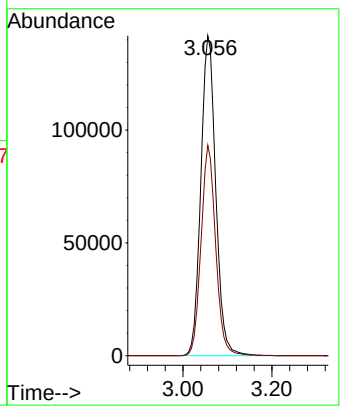


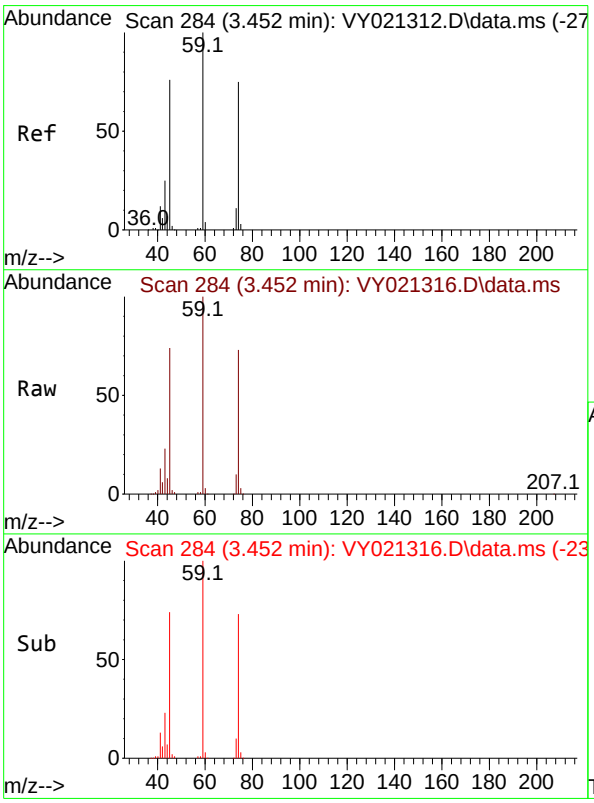

#7
Trichlorofluoromethane
Concen: 95.909 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 331928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 49.7 | 74.5 |

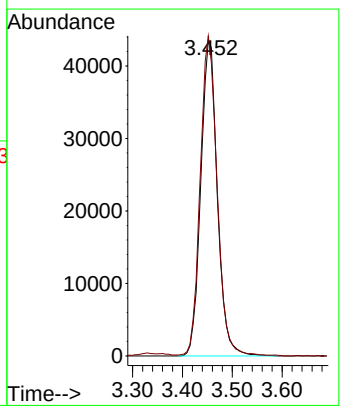


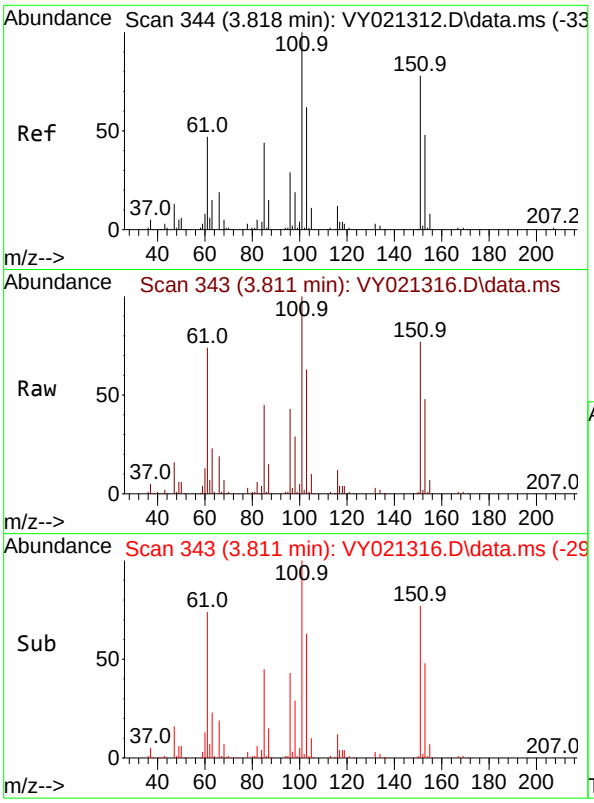




#8
Diethyl Ether
Concen: 96.637 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 74 Resp: 100381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.0 | 50.3 | 150.9 |



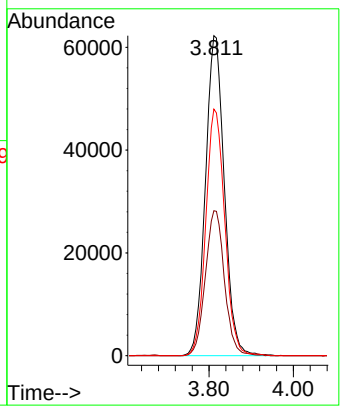


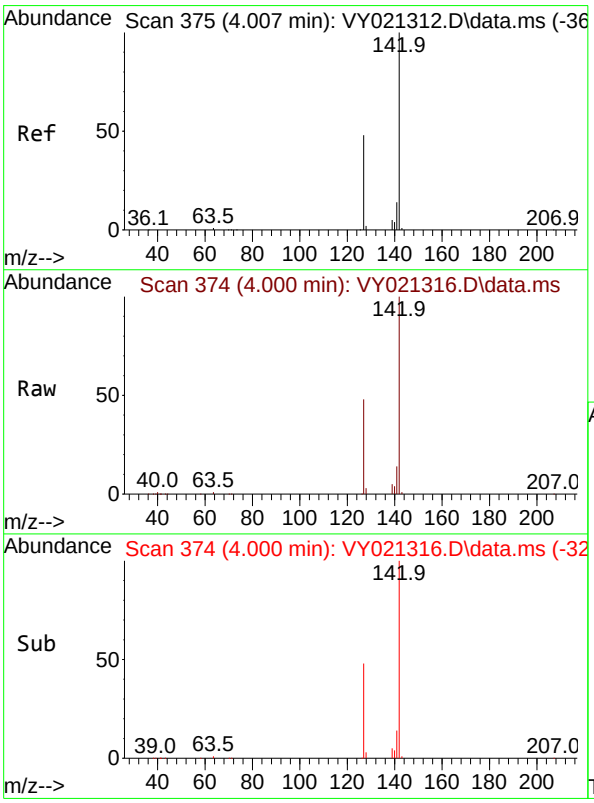

#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.593 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 193544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.8 | 36.7 | 55.1 |
| 151 | 77.3 | 62.6 | 94.0 |

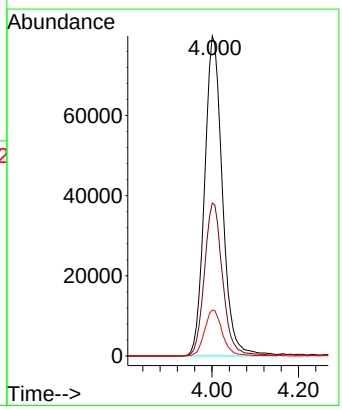


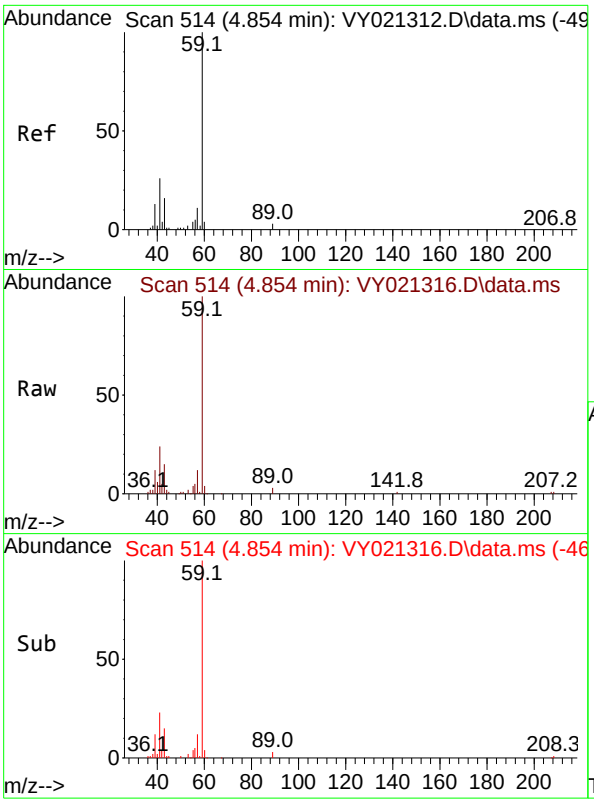




#10
Methyl Iodide
Concen: 108.503 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:142 Resp: 228728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.8 | 39.2 | 58.8 |
| 141 | 14.3 | 11.4 | 17.2 |



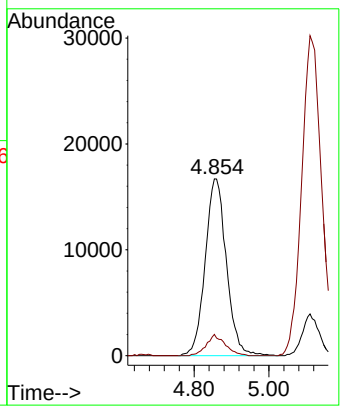


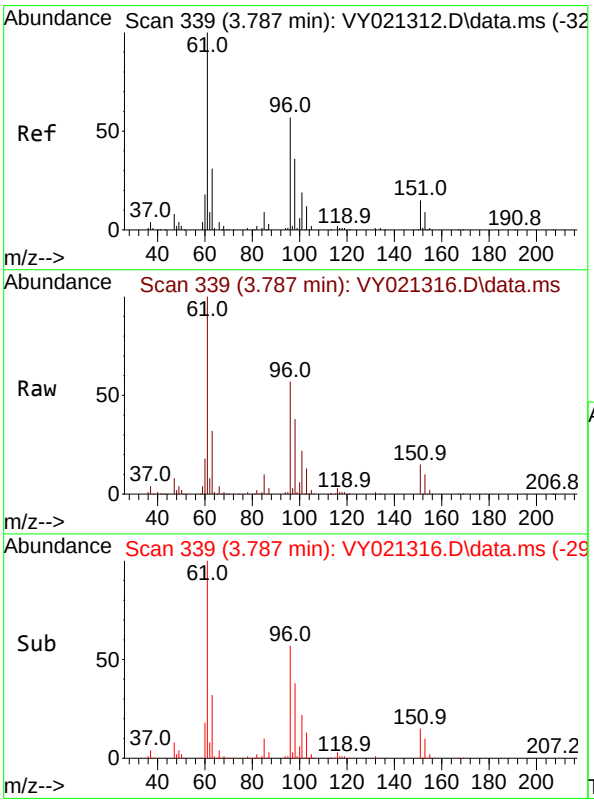

#11
Tert butyl alcohol
Concen: 395.134 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 59 Resp: 65742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.3 | 12.5 |

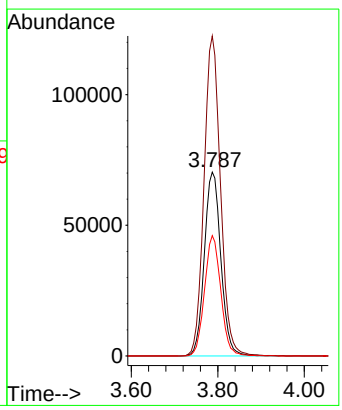


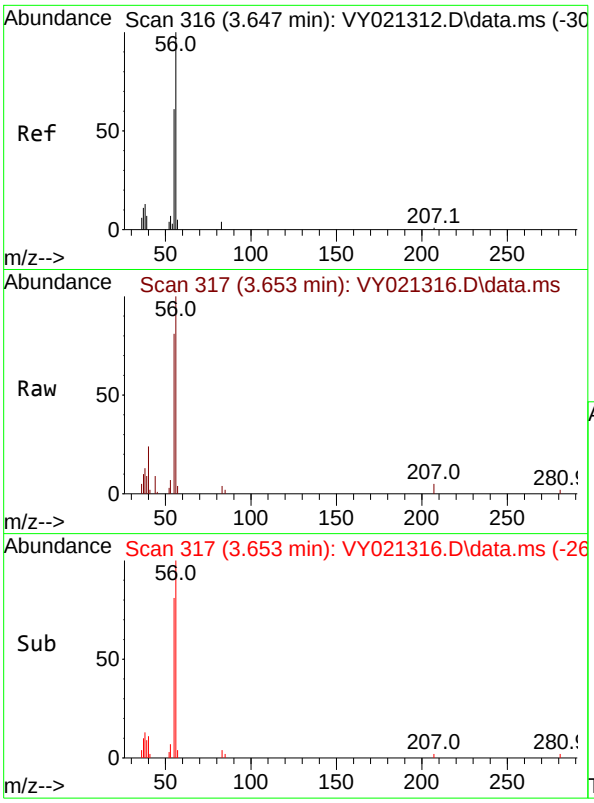




#12
1,1-Dichloroethene
Concen: 97.304 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 186684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.1 | 139.7 | 209.5 |
| 98 | 65.5 | 49.7 | 74.5 |



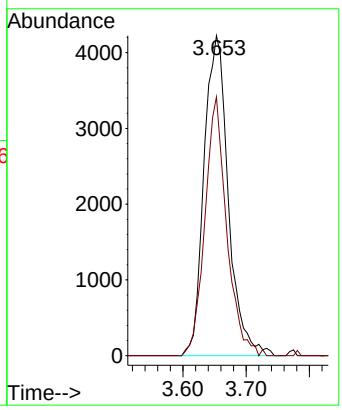


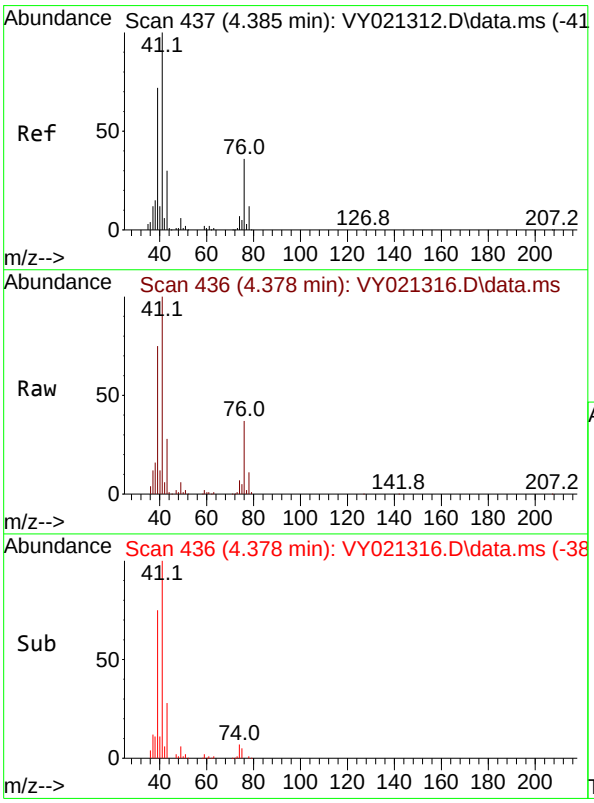

#13
Acrolein
Concen: 88.370 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 11267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.5 | 59.0 | 88.6 |

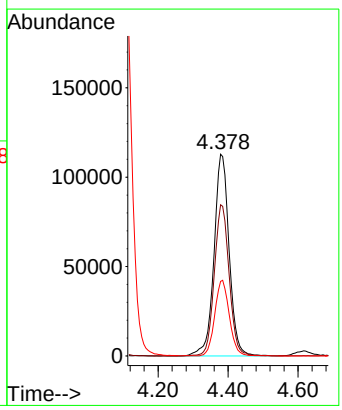


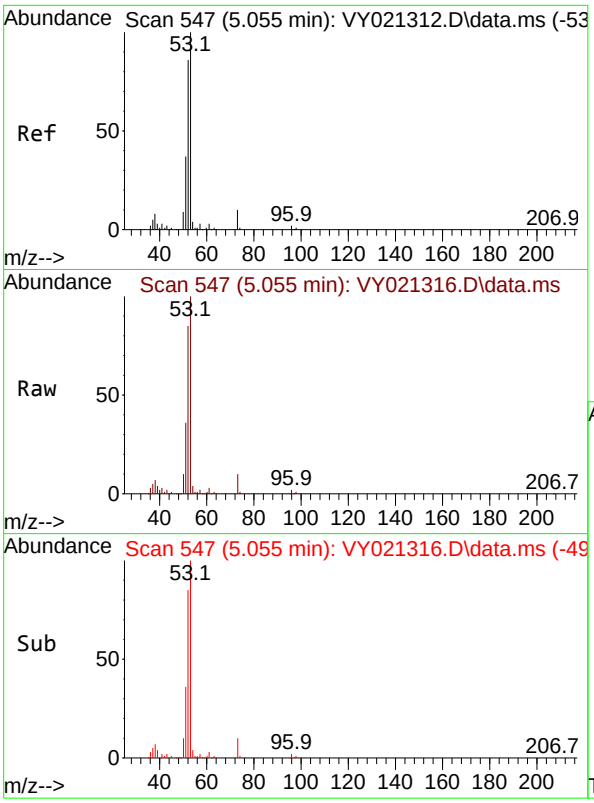




#14
Allyl chloride
Concen: 99.720 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 339203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.6 | 60.0 | 90.0 |
| 76 | 36.1 | 29.0 | 43.6 |



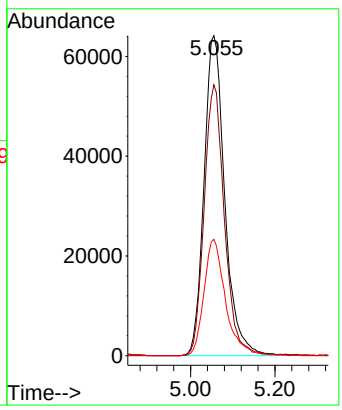


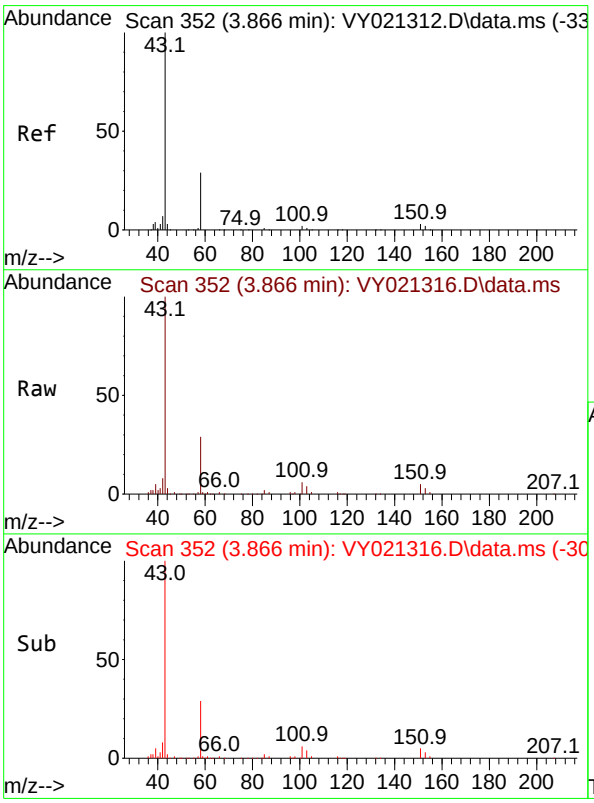

#15
Acrylonitrile
Concen: 477.449 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 53 Resp: 219275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.5 | 65.5 | 98.3 |
| 51 | 37.9 | 30.6 | 46.0 |

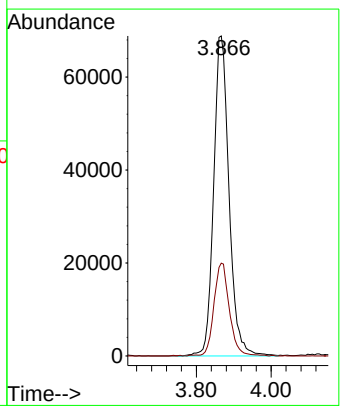


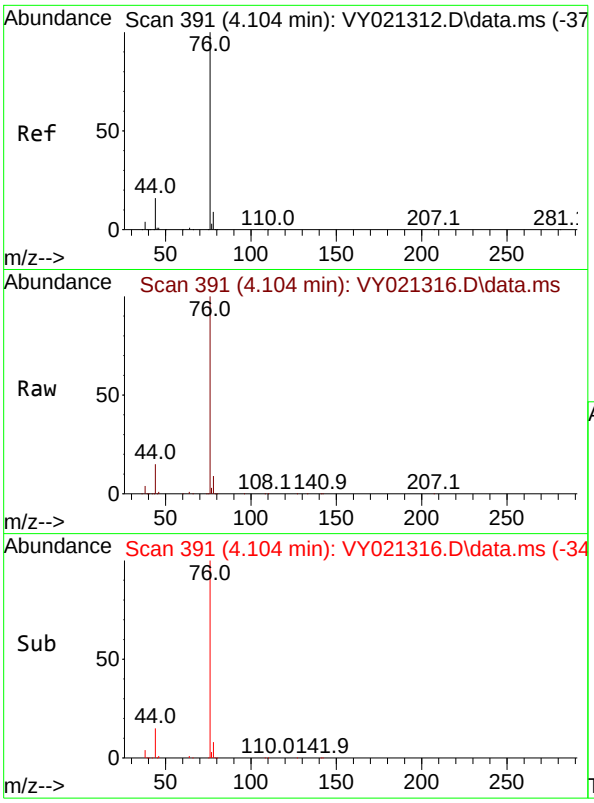




#16
Acetone
Concen: 473.421 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 196435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 23.5 | 35.3 |



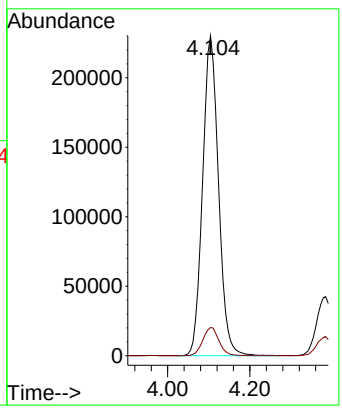


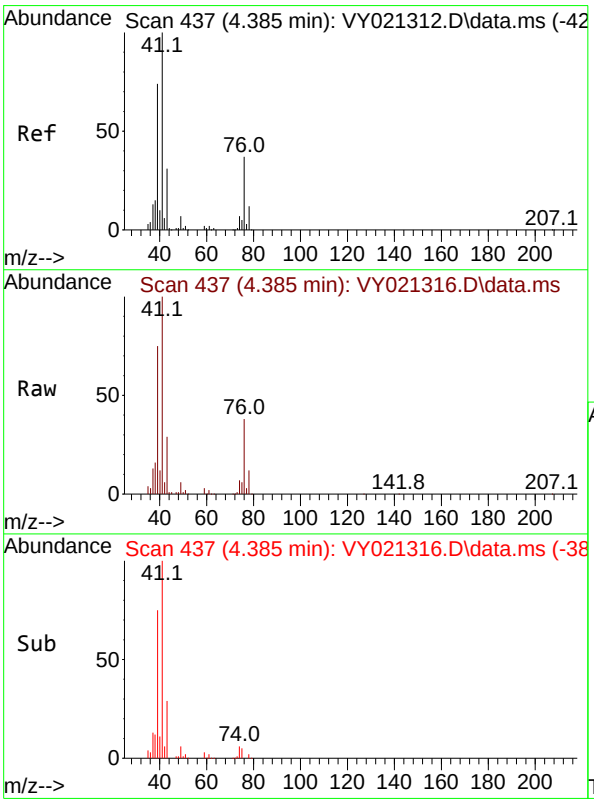

#17
Carbon Disulfide
Concen: 96.953 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 617661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.1 | 10.7 |

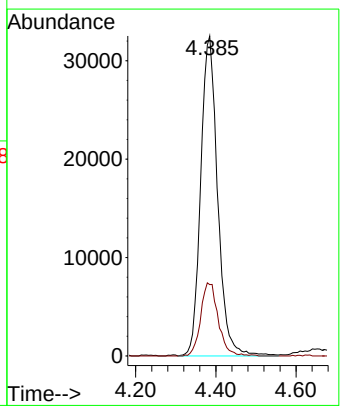


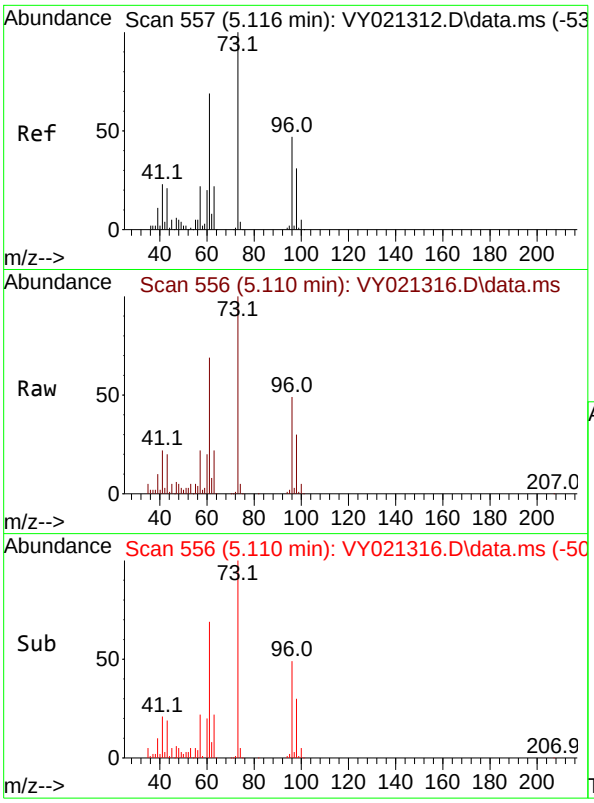




#18
Methyl Acetate
Concen: 94.085 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 95405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 17.7 | 26.5 |



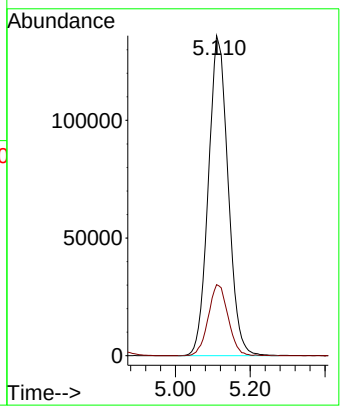


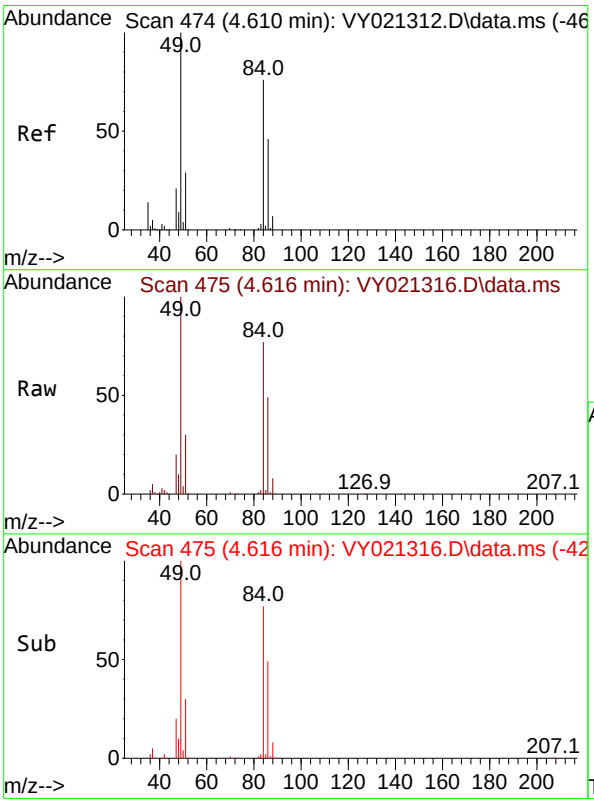

#19
Methyl tert-butyl Ether
Concen: 98.337 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 73 Resp: 498467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.4 | 26.0 |

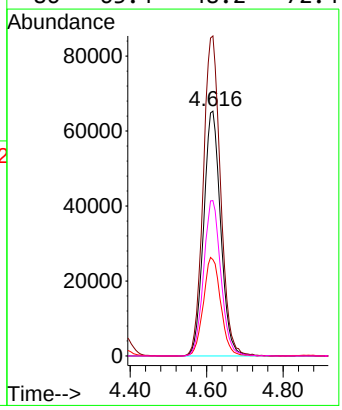


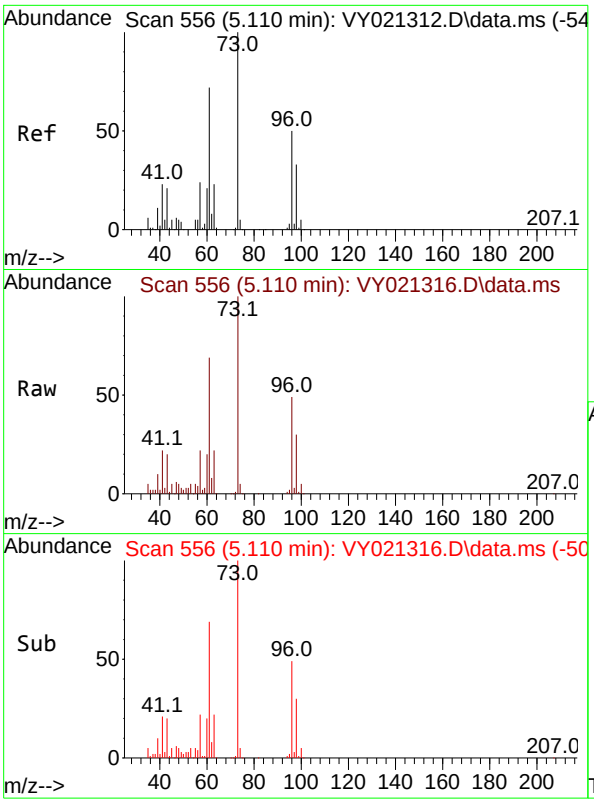




#20
Methylene Chloride
Concen: 89.894 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 84 Resp: 201698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.7 | 105.1 | 157.7 |
| 51 | 39.3 | 31.0 | 46.4 |
| 86 | 63.4 | 48.2 | 72.4 |



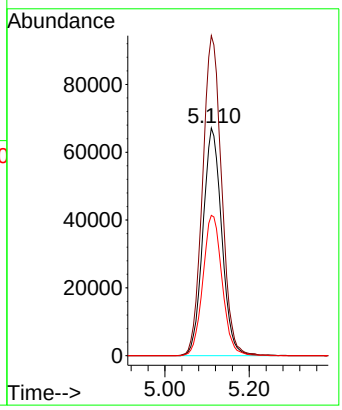


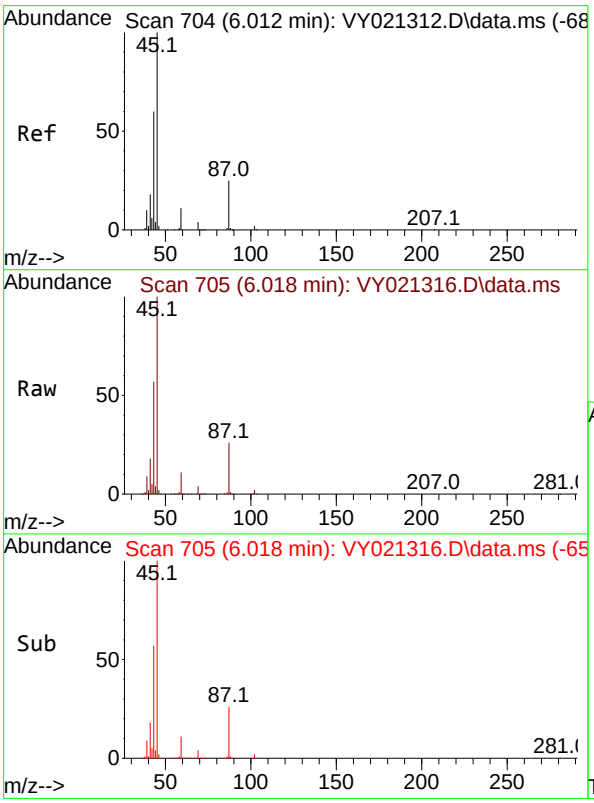

#21
trans-1,2-Dichloroethene
Concen: 98.718 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 208498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.5 | 116.3 | 174.5 |
| 98 | 61.7 | 52.6 | 78.8 |

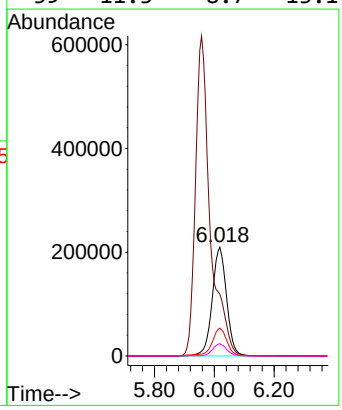


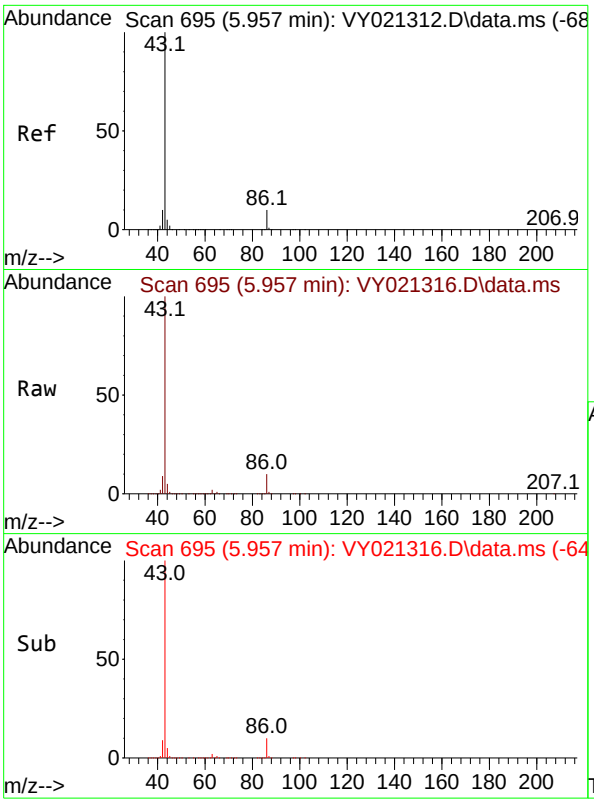




#22
Diisopropyl ether
Concen: 99.061 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 45 Resp: 697290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.7 | 48.2 | 72.4 |
| 87 | 25.6 | 20.3 | 30.5 |
| 59 | 11.3 | 8.7 | 13.1 |



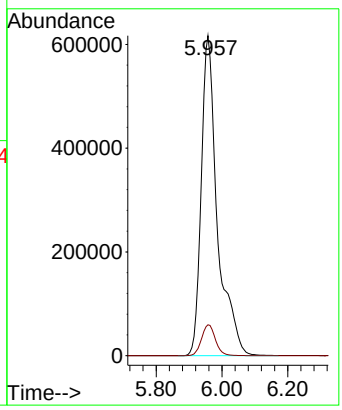


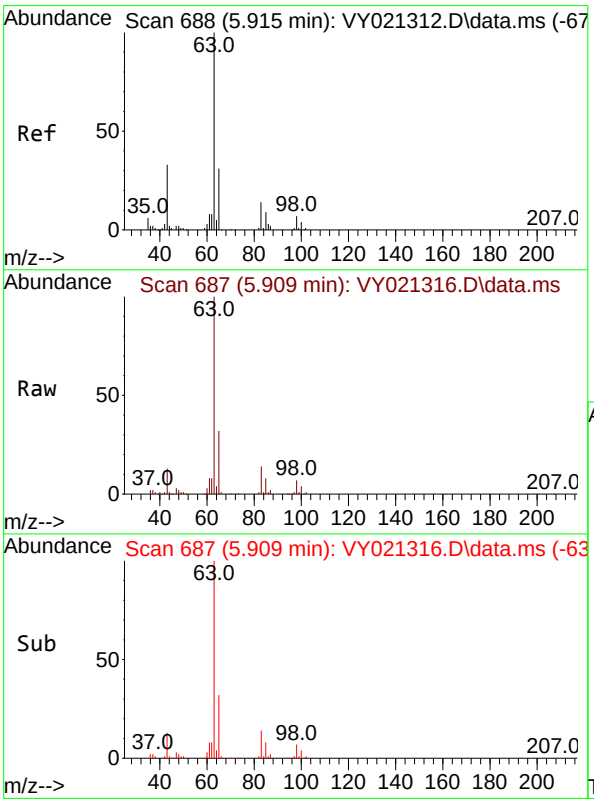

#23
Vinyl Acetate
Concen: 500.017 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 2103219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.6 | 8.0 | 12.0 |

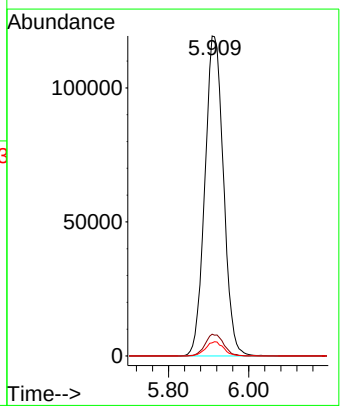


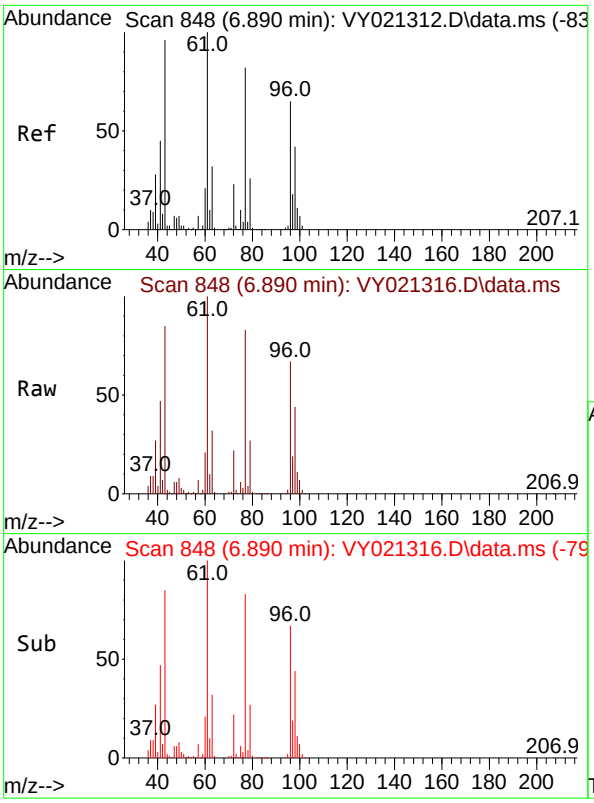




#24
1,1-Dichloroethane
Concen: 96.798 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 384030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.7 | 11.1 |
| 100 | 4.1 | 2.1 | 6.5 |



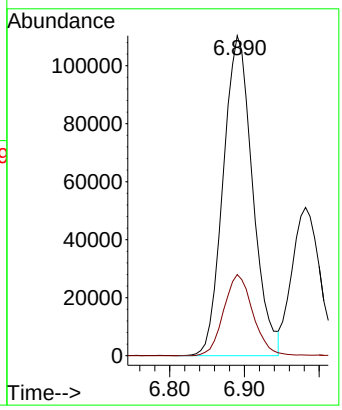


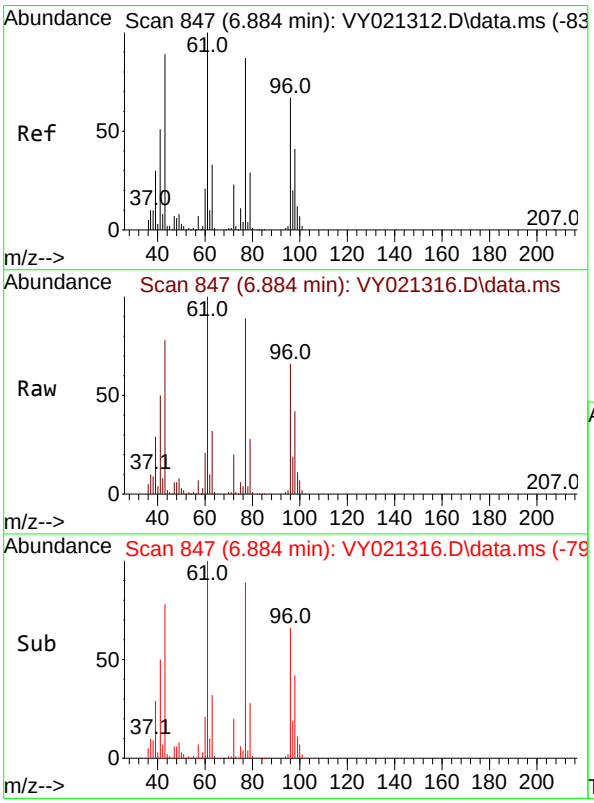

#25
2-Butanone
Concen: 483.977 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 303077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 19.0 | 28.6 |

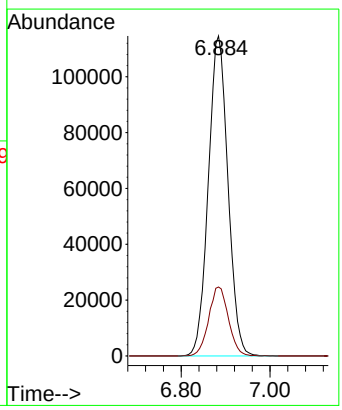


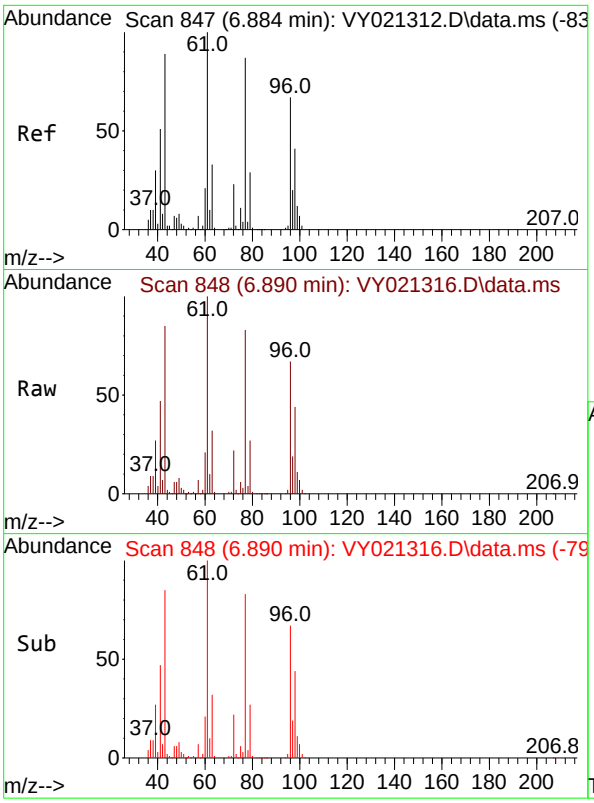




#26
2,2-Dichloropropane
Concen: 97.467 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 77 Resp: 350870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 10.9 | 32.7 |



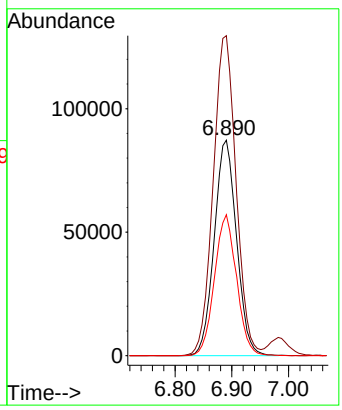


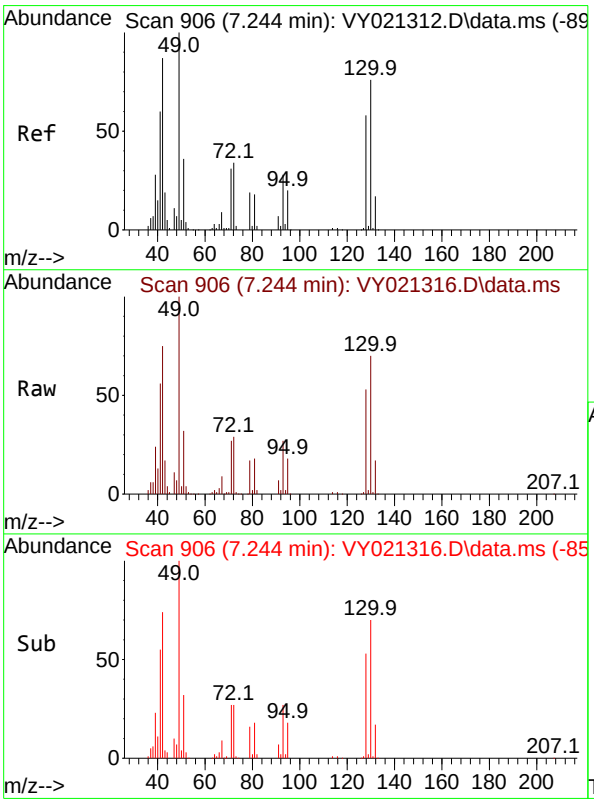

#27
cis-1,2-Dichloroethene
Concen: 99.061 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 238916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.3 | 0.0 | 308.0 |
| 98 | 64.8 | 0.0 | 129.6 |

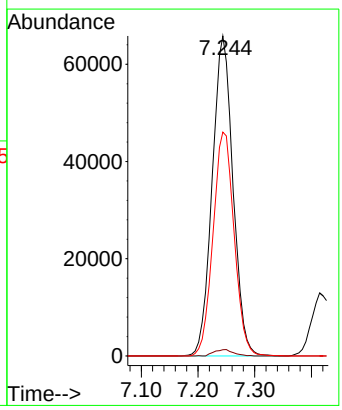


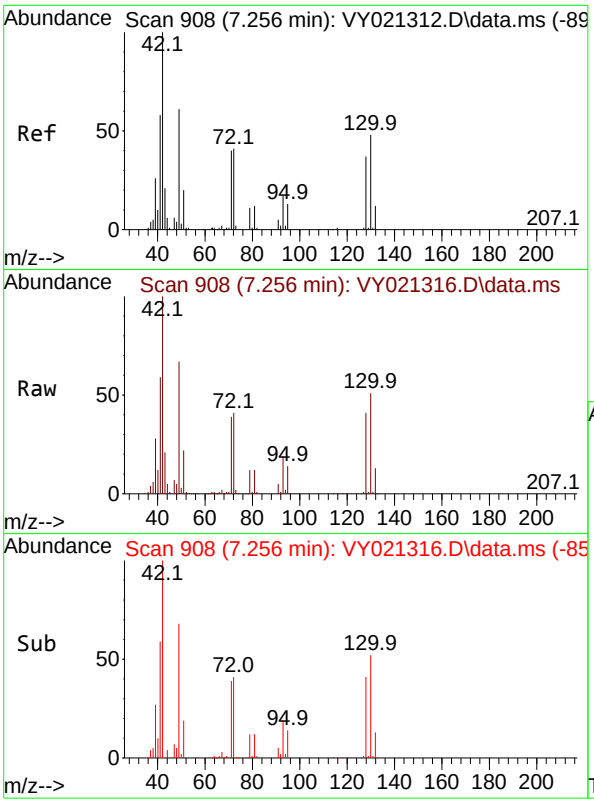




#28
Bromochloromethane
Concen: 95.287 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 49 Resp: 167271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.0 |
| 130 | 71.2 | 57.8 | 86.6 |



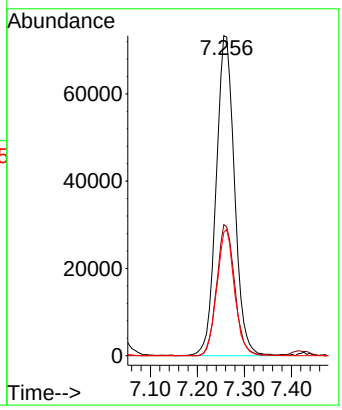


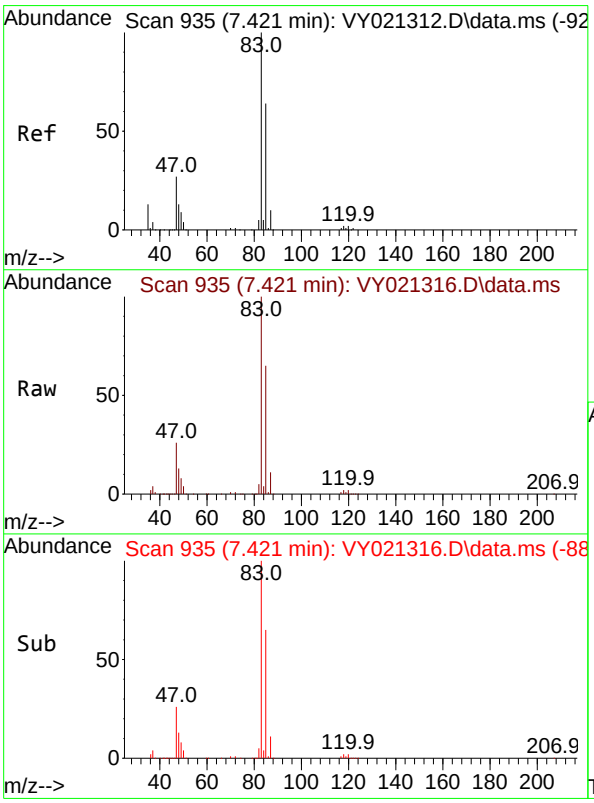

#29
Tetrahydrofuran
Concen: 486.299 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 42 Resp: 199056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.3 | 33.1 | 49.7 |
| 71 | 37.9 | 31.4 | 47.0 |

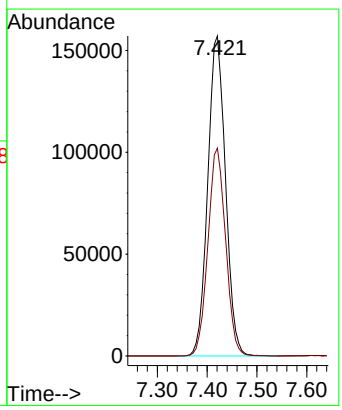


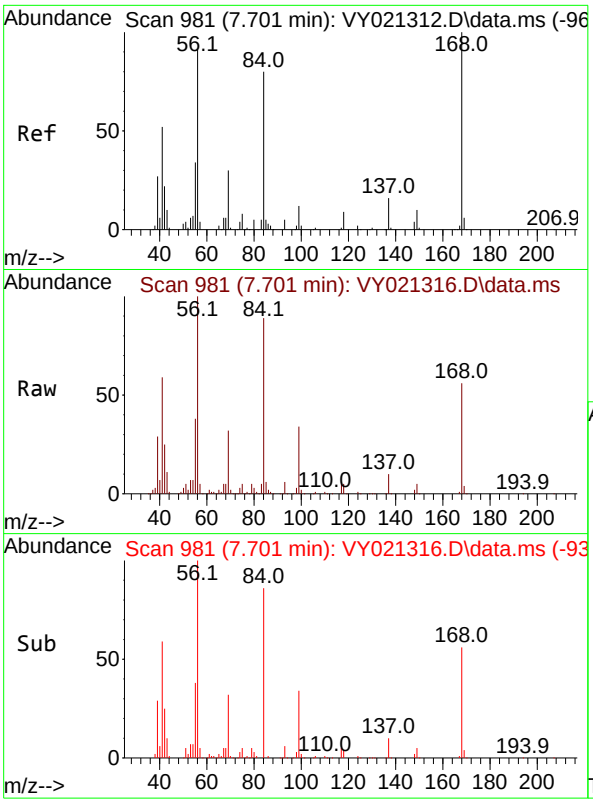




#30
Chloroform
Concen: 96.458 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 387767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 51.6 | 77.4 |



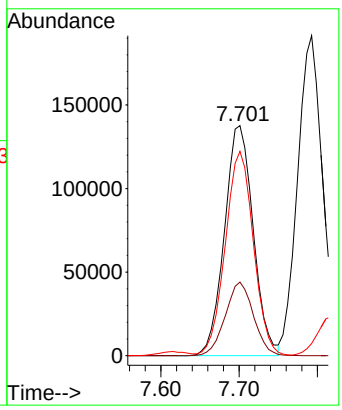


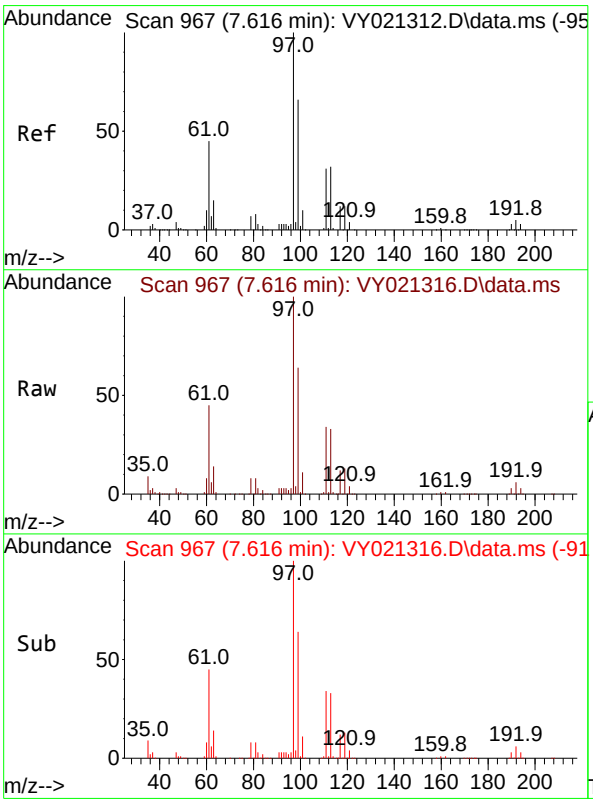

#31
Cyclohexane
Concen: 92.269 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 351876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.0 | 26.2 | 39.4 |
| 84 | 87.4 | 70.2 | 105.4 |

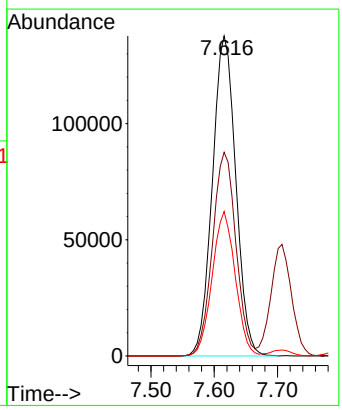


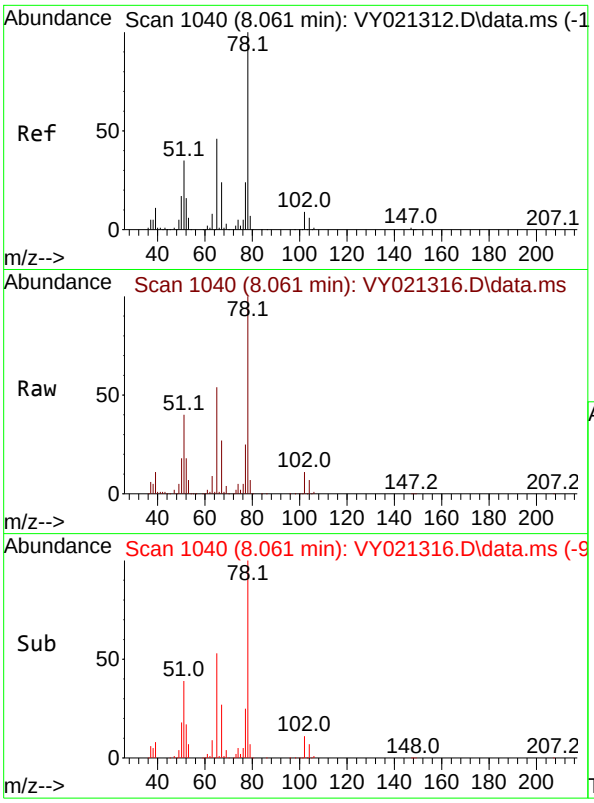




#32
1,1,1-Trichloroethane
Concen: 96.663 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 353701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 52.4 | 78.6 |
| 61 | 44.5 | 36.2 | 54.2 |



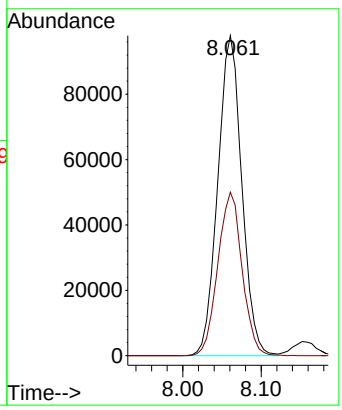


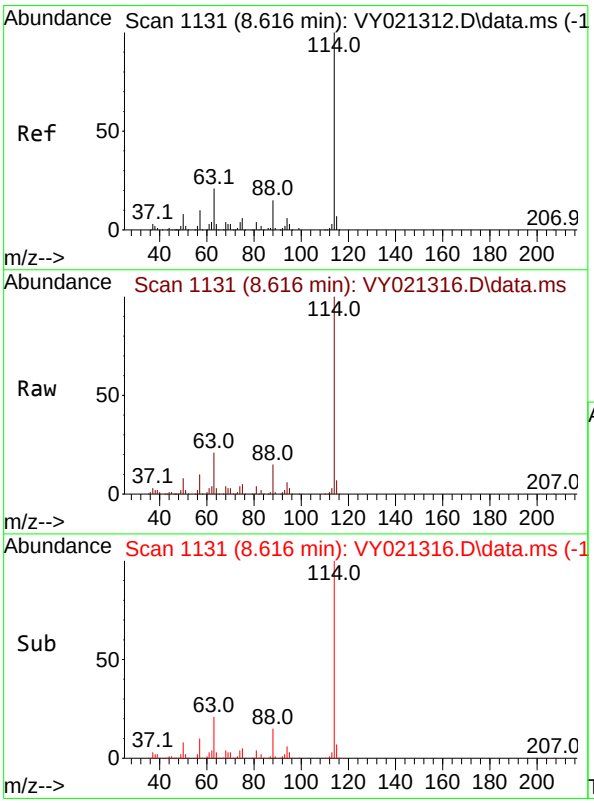

#33
1,2-Dichloroethane-d4
Concen: 96.407 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 65 Resp: 208535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 103.6 |

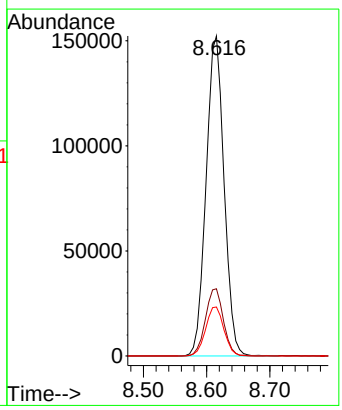


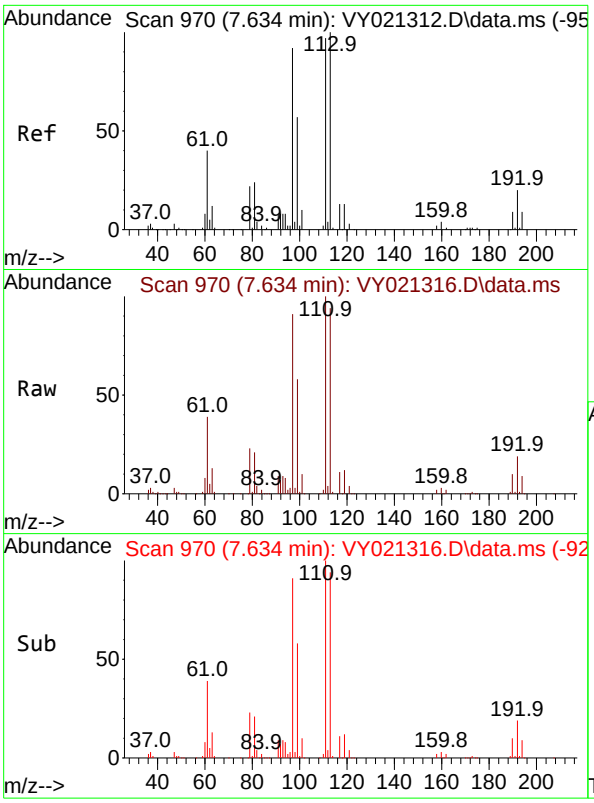




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:114 Resp: 300486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 42.2 |
| 88 | 15.3 | 0.0 | 29.8 |



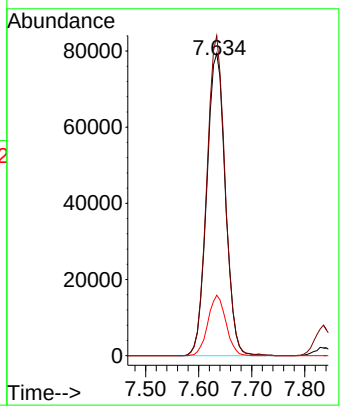


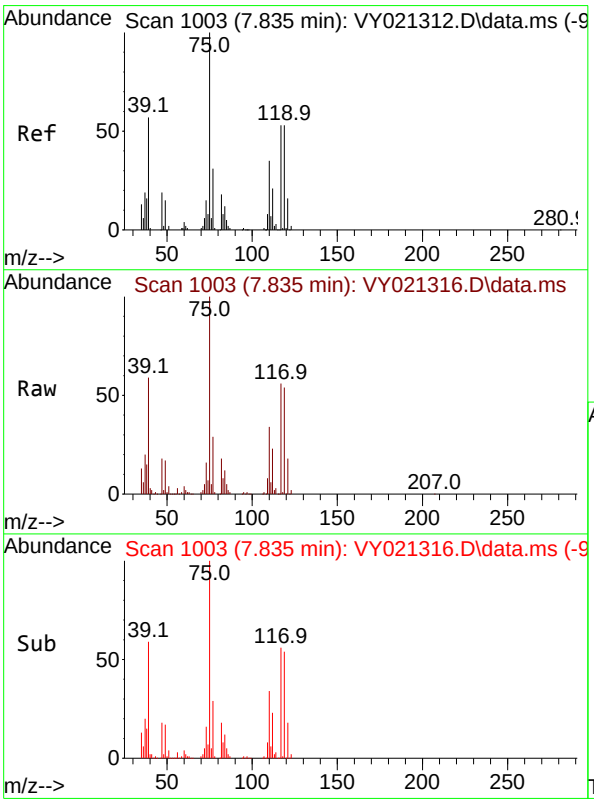

#35
Dibromofluoromethane
Concen: 98.377 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:113 Resp: 193803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 81.0 | 121.6 |
| 192 | 19.4 | 15.8 | 23.8 |

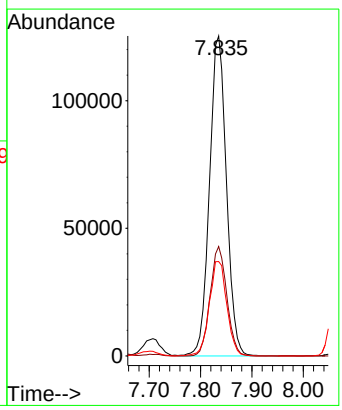


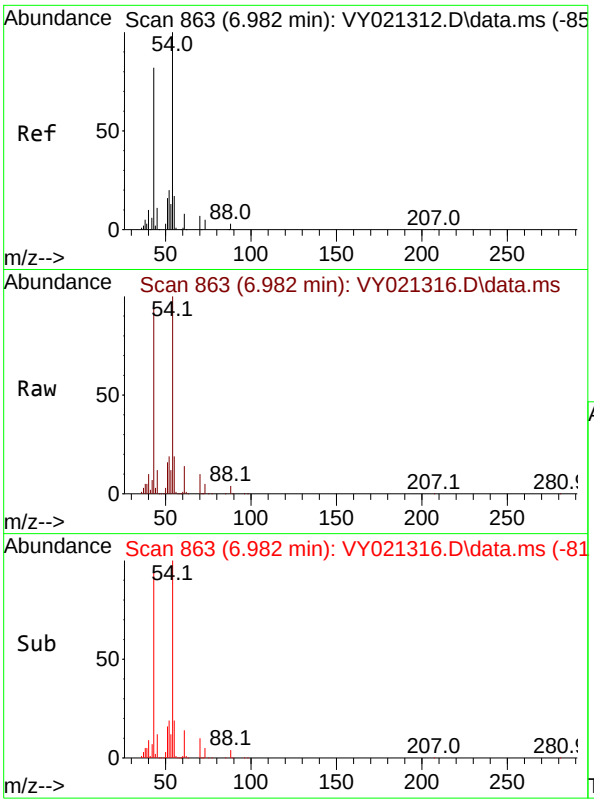




#36
1,1-Dichloropropene
Concen: 97.146 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 287472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.7 | 16.9 | 50.7 |
| 77 | 30.5 | 24.6 | 36.8 |



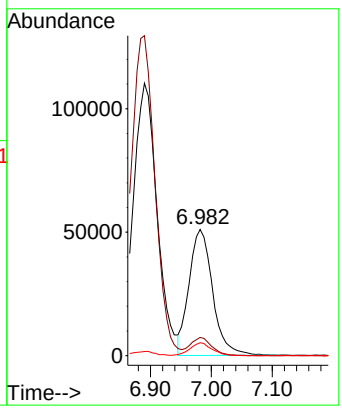


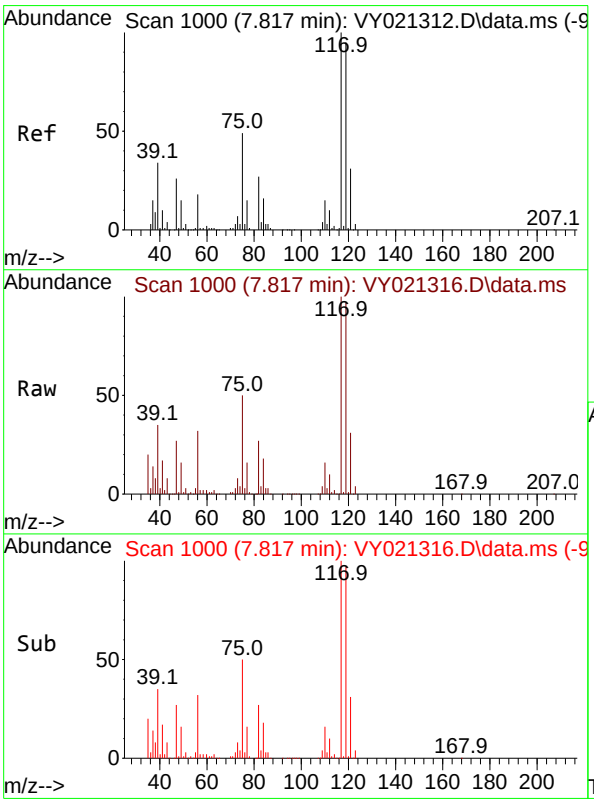

#37
Ethyl Acetate
Concen: 93.230 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 137233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.3 | 10.4 | 15.6 |
| 70 | 9.5 | 7.5 | 11.3 |

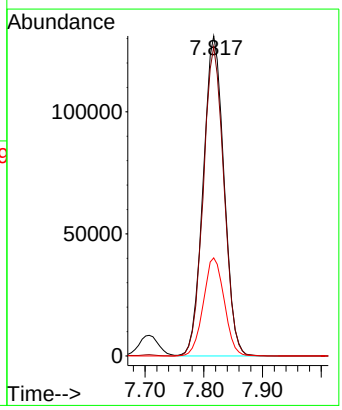


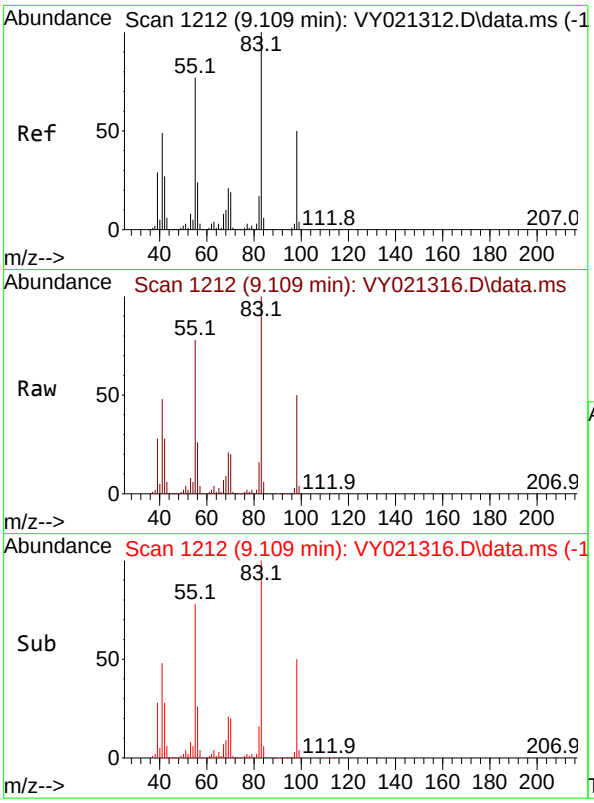




#38
Carbon Tetrachloride
Concen: 96.663 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 321576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 76.0 | 114.0 |
| 121 | 30.7 | 24.9 | 37.3 |



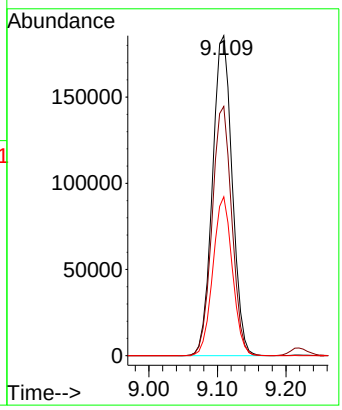


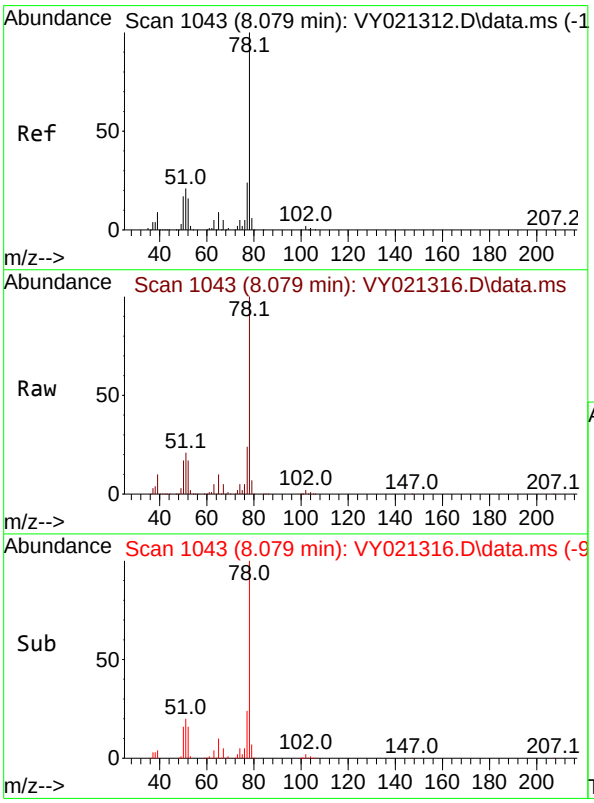

#39
Methylcyclohexane
Concen: 99.169 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 371172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.9 | 61.3 | 91.9 |
| 98 | 49.6 | 39.9 | 59.9 |

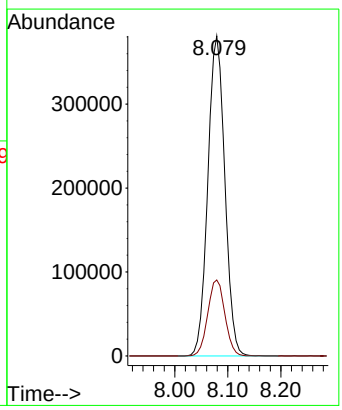


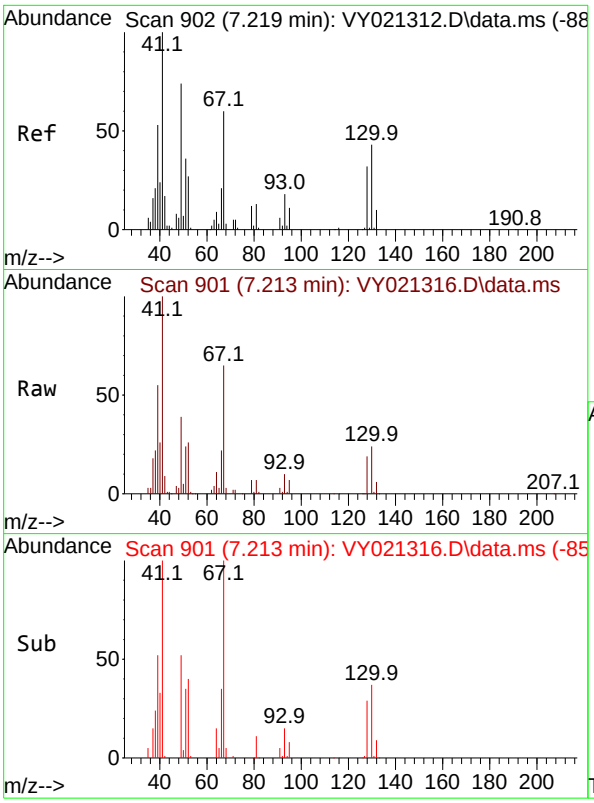




#40
Benzene
Concen: 96.835 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 78 Resp: 847066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.2 | 28.8 |



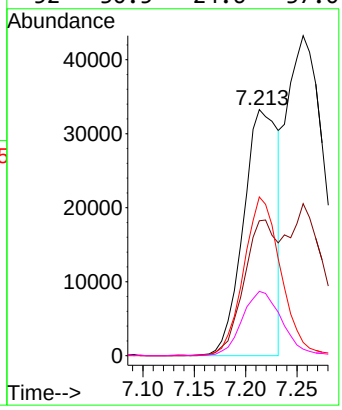


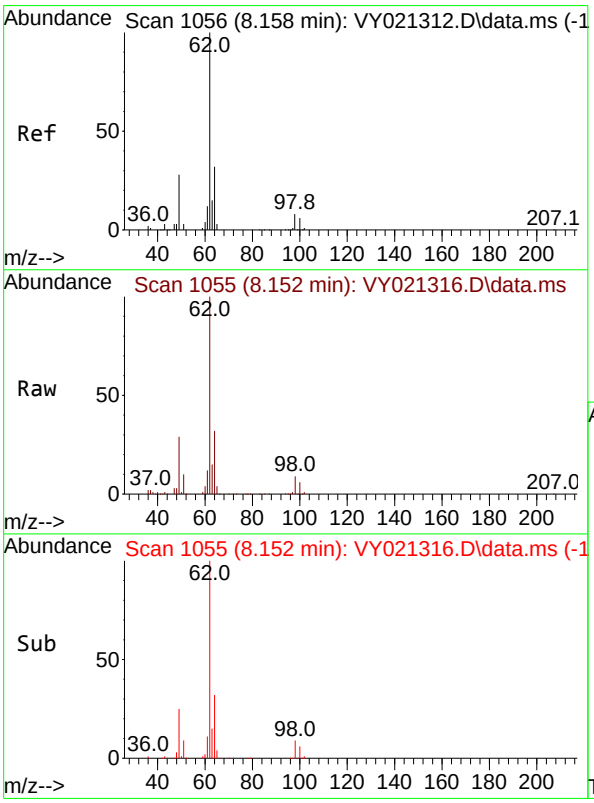

#41
Methacrylonitrile
Concen: 94.219 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 41 Resp: 77542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.2 | 42.3 | 63.5 |
| 67 | 69.9 | 54.8 | 82.2 |
| 52 | 30.5 | 24.6 | 37.0 |

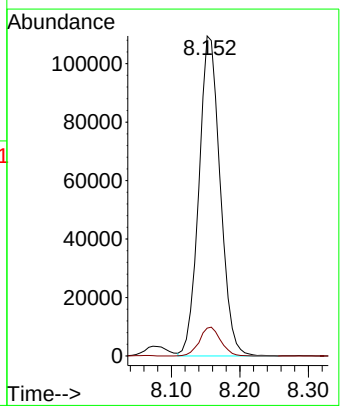


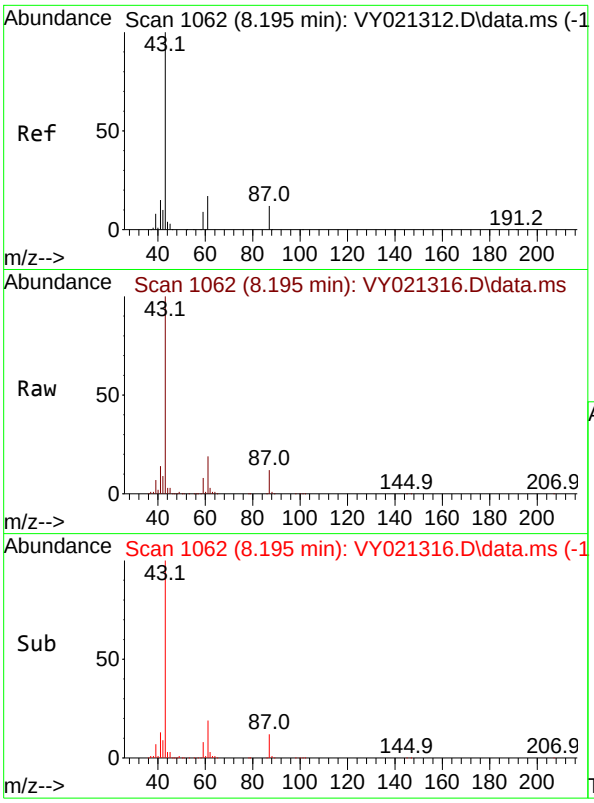




#42
1,2-Dichloroethane
Concen: 95.375 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 236704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.6 |



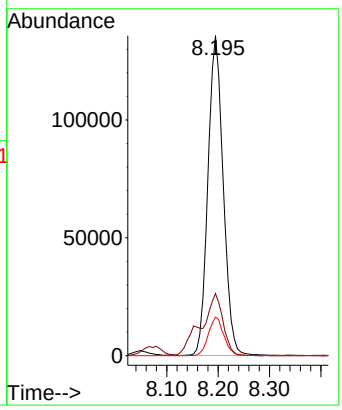


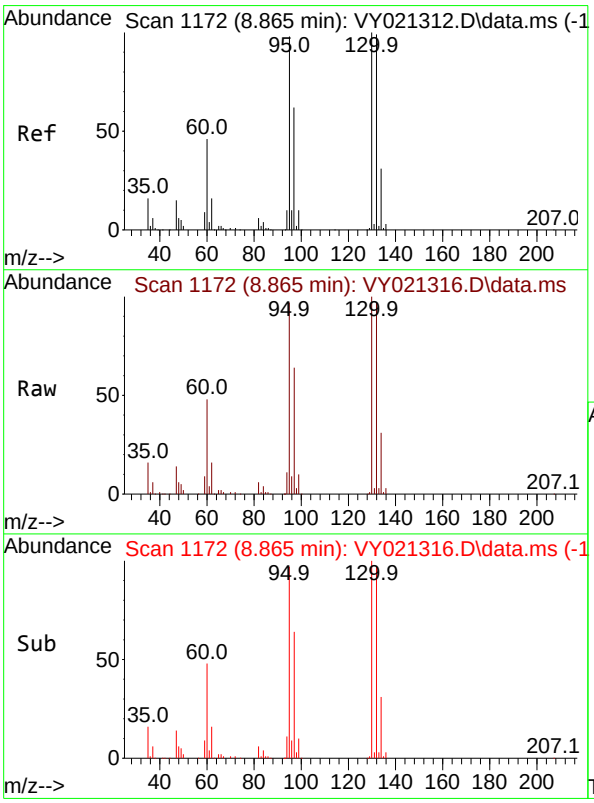

#43
Isopropyl Acetate
Concen: 98.388 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 280321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.9 | 15.0 | 22.6 |
| 87 | 12.2 | 10.0 | 15.0 |

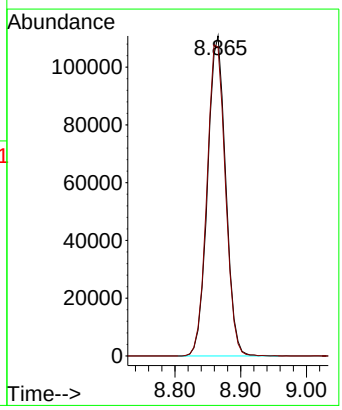


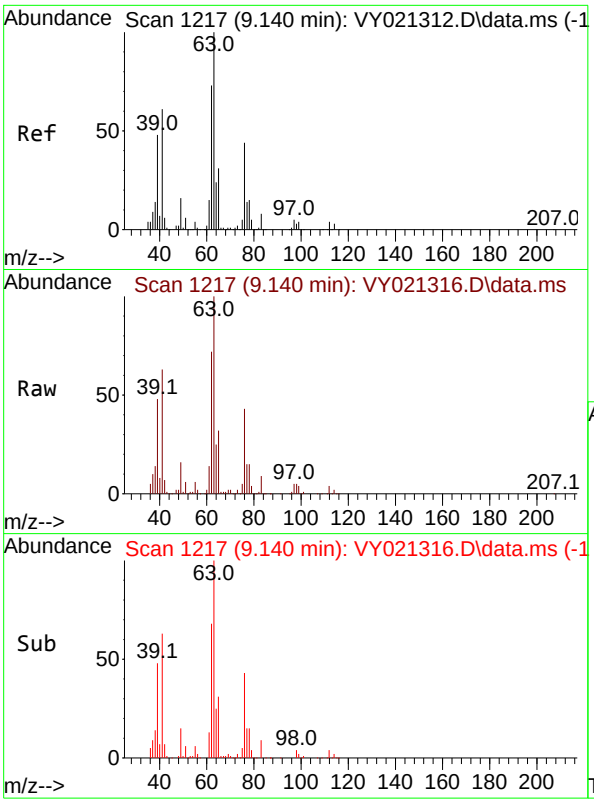




#44
Trichloroethene
Concen: 97.057 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:130 Resp: 212562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.6 | 0.0 | 196.0 |



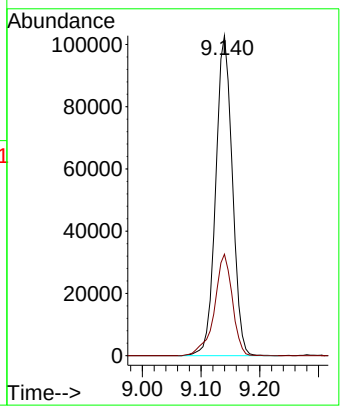


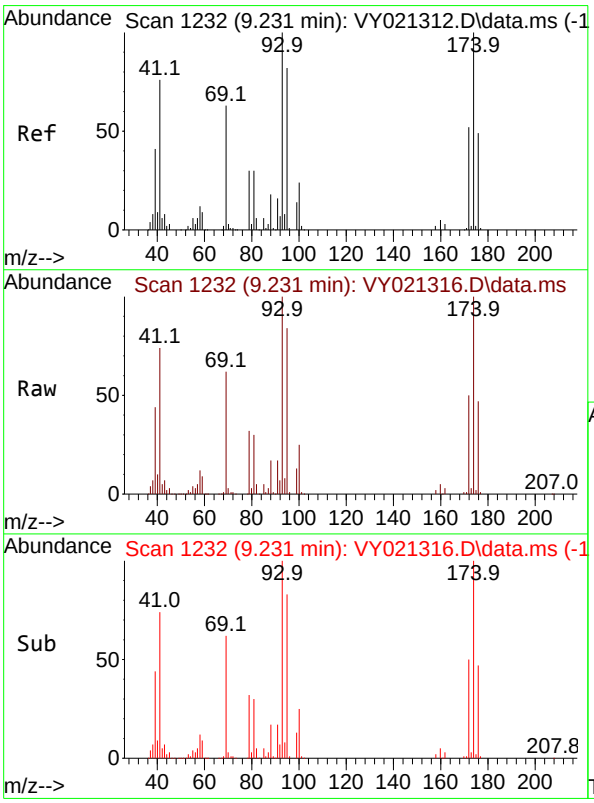

#45
1,2-Dichloropropane
Concen: 95.814 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 63 Resp: 201701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.7 | 24.6 | 36.8 |

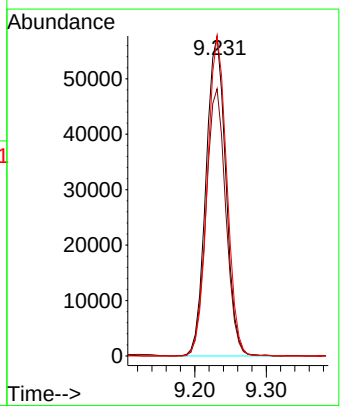


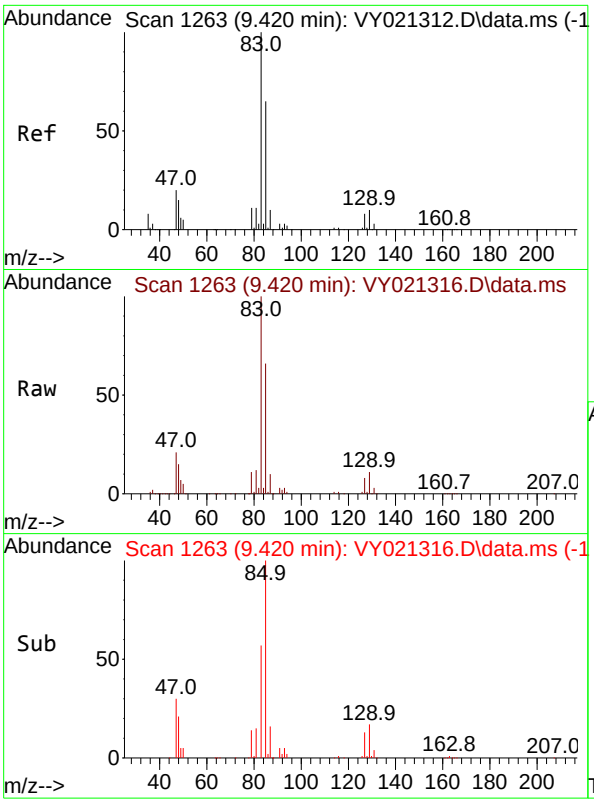




#46
Dibromomethane
Concen: 96.301 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 93 Resp: 110814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.4 | 66.4 | 99.6 |
| 174 | 98.3 | 78.2 | 117.2 |



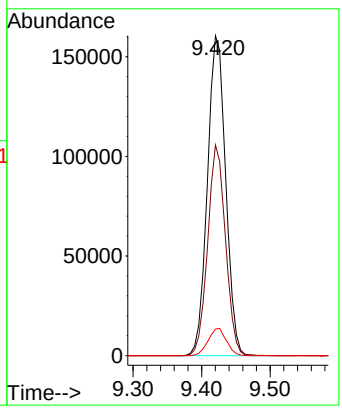


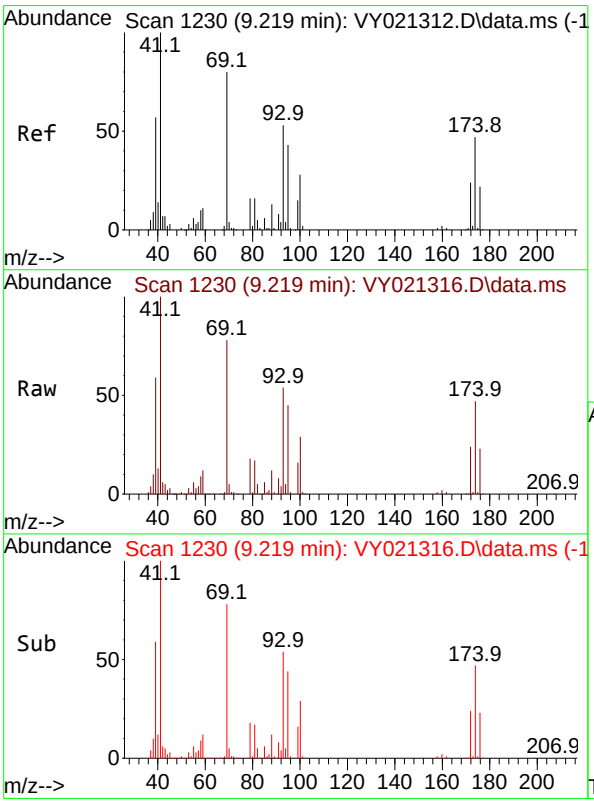

#47
Bromodichloromethane
Concen: 96.904 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 297320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 51.8 | 77.8 |
| 127 | 8.3 | 6.7 | 10.1 |

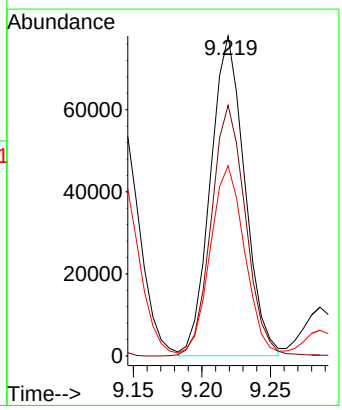


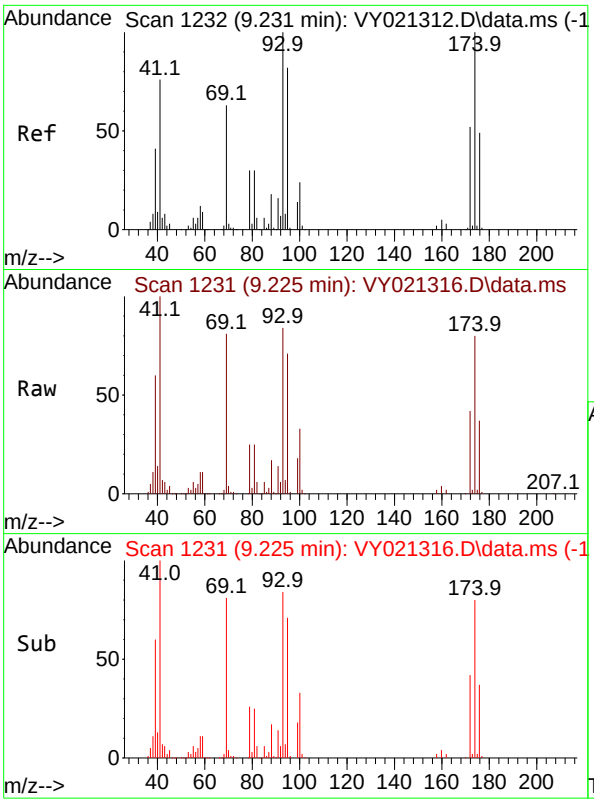




#48
Methyl methacrylate
Concen: 101.635 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 135412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.9 | 63.3 | 94.9 |
| 39 | 58.0 | 45.0 | 67.6 |



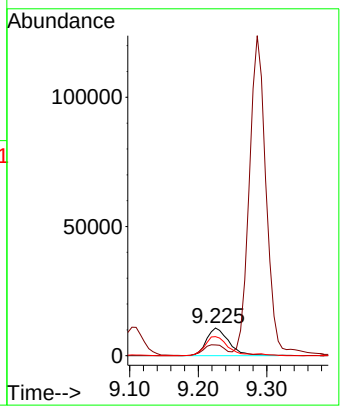


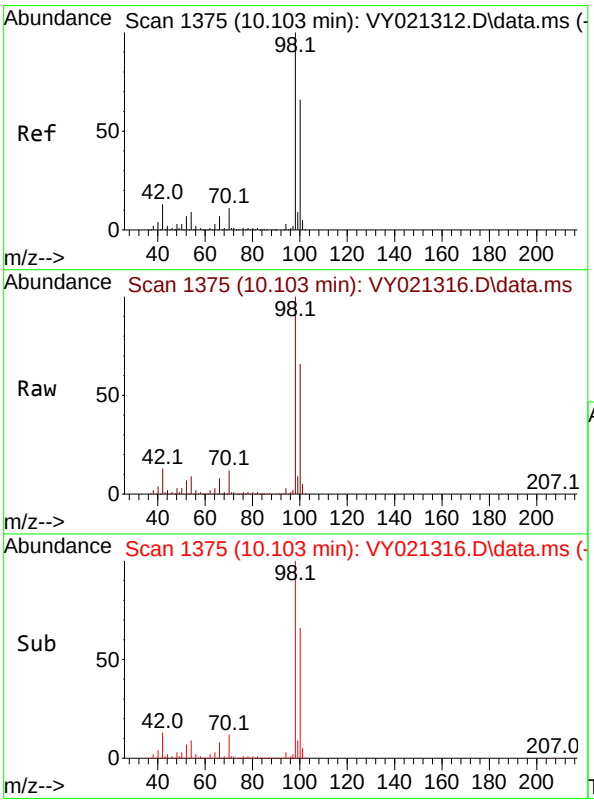

#49
1,4-Dioxane
Concen: 1903.504 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 88 Resp: 24355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.0 | 34.8 | 52.2 |
| 58 | 70.4 | 59.8 | 89.6 |

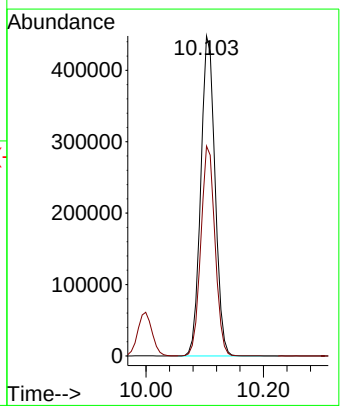


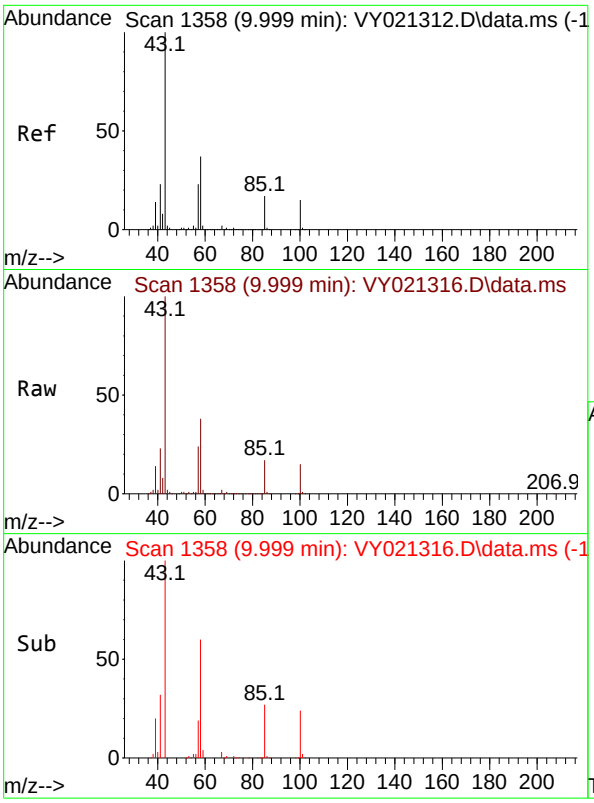




#50
Toluene-d8
Concen: 98.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 98 Resp: 752895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 52.4 | 78.6 |



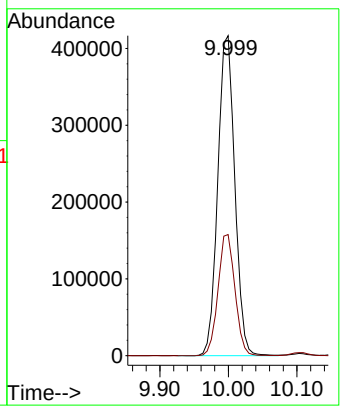


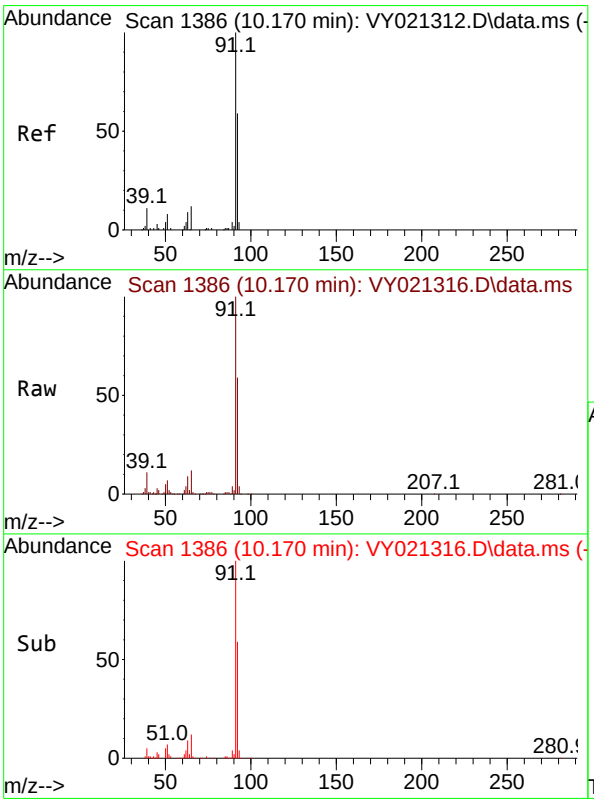

#51
4-Methyl-2-Pentanone
Concen: 490.938 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 716009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.1 | 45.1 |

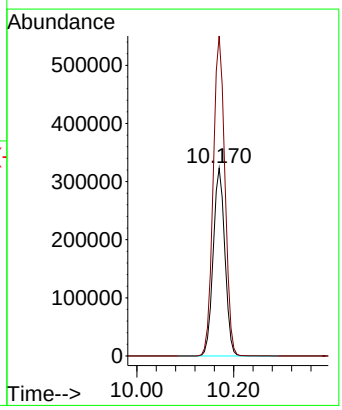


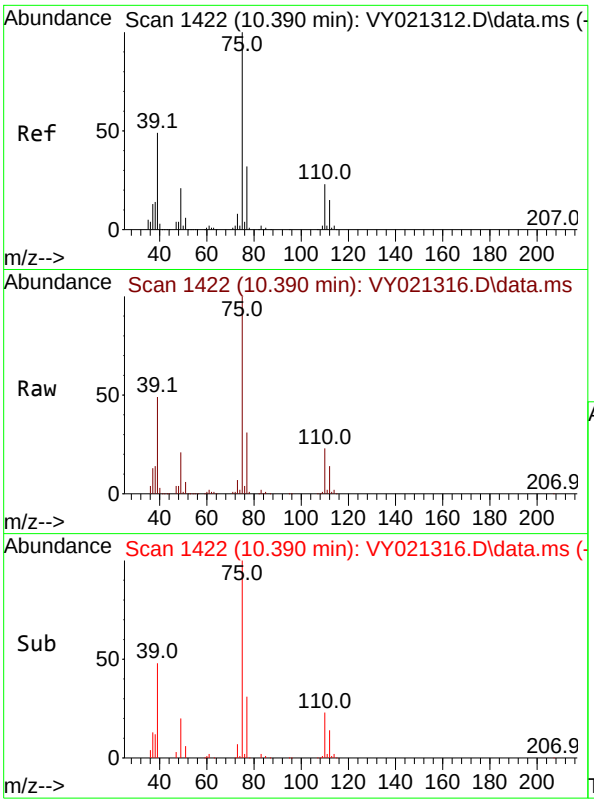




#52
Toluene
Concen: 99.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 92 Resp: 539016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.7 | 137.8 | 206.8 |



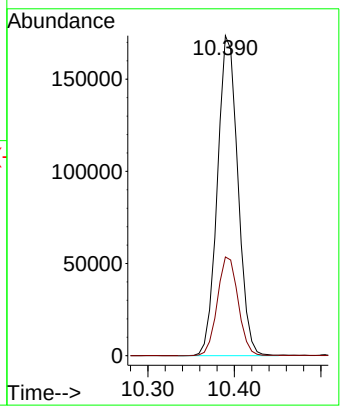


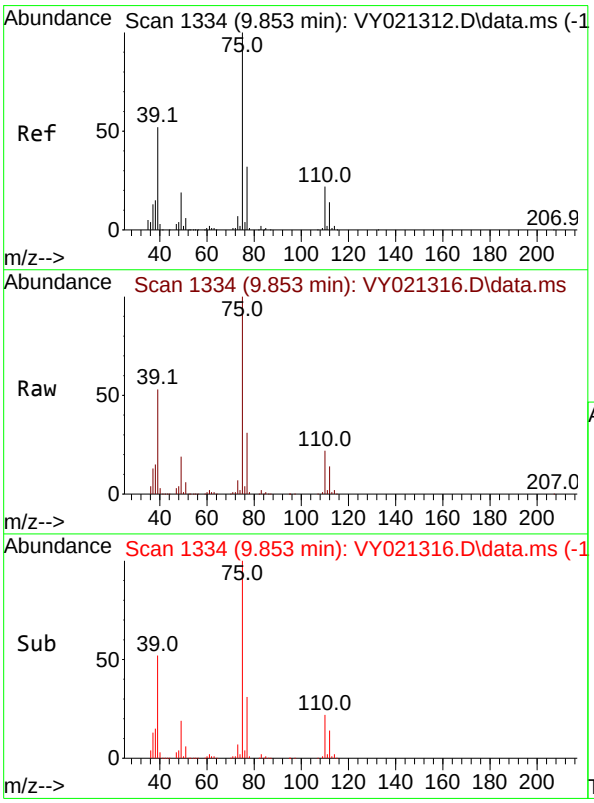

#53
t-1,3-Dichloropropene
Concen: 101.290 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 284731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 25.3 | 37.9 |

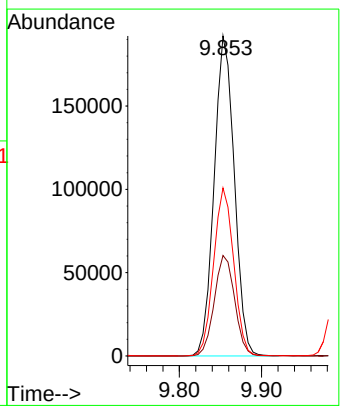


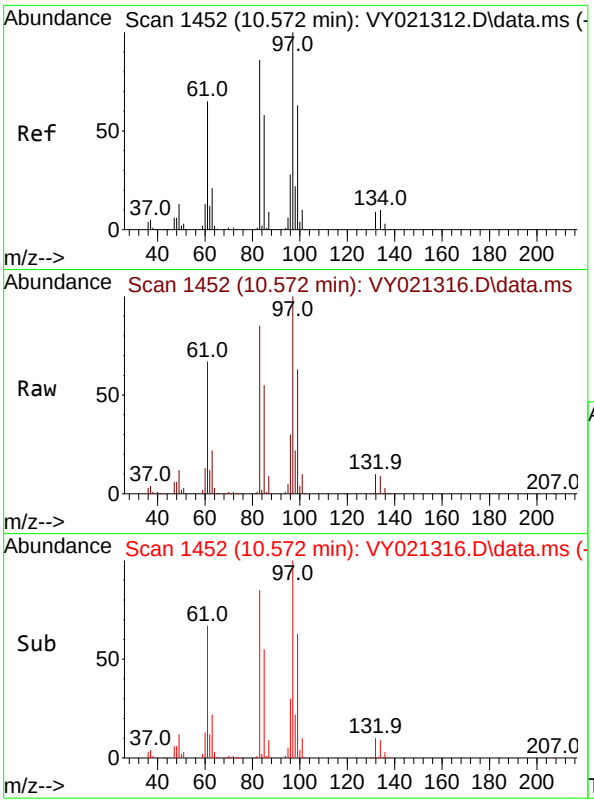




#54
cis-1,3-Dichloropropene
Concen: 98.870 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 328107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.7 | 38.5 |
| 39 | 52.5 | 41.8 | 62.6 |



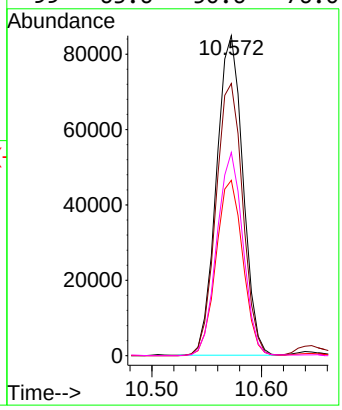


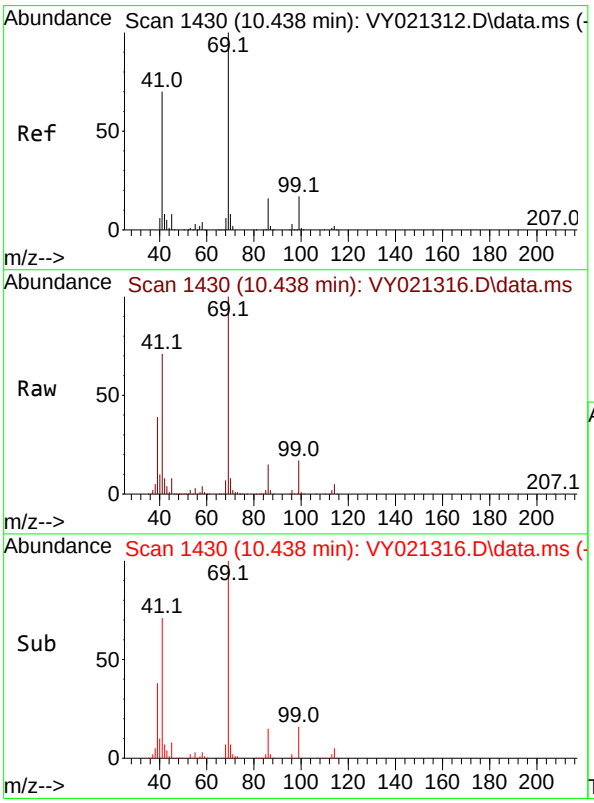

#55
1,1,2-Trichloroethane
Concen: 94.975 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 97 Resp: 142372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.2 | 68.7 | 103.1 |
| 85 | 54.9 | 46.3 | 69.5 |
| 99 | 63.6 | 50.6 | 76.0 |

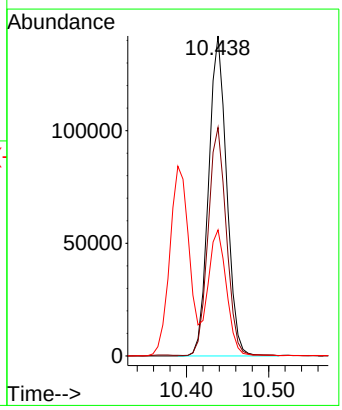


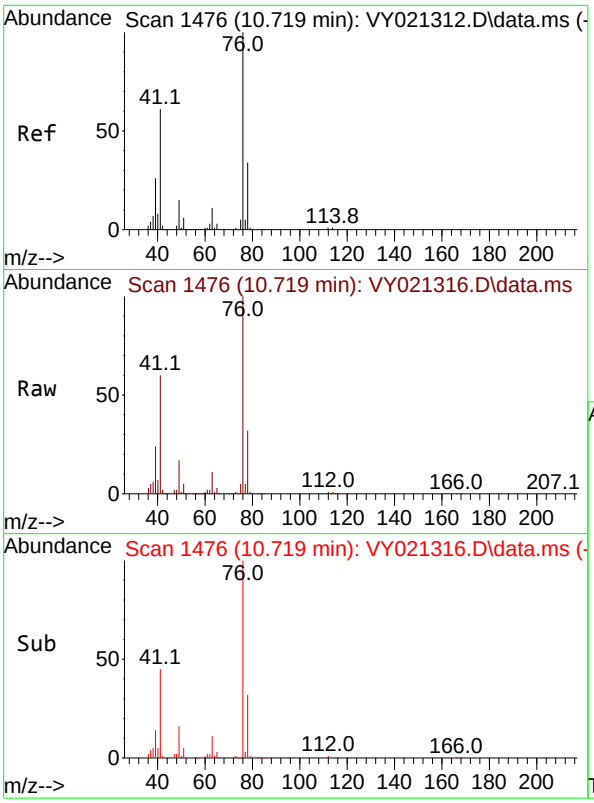




#56
Ethyl methacrylate
Concen: 104.564 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 69 Resp: 216586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.7 | 56.2 | 84.4 |
| 39 | 40.2 | 32.7 | 49.1 |



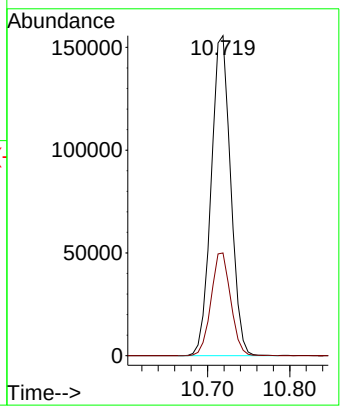


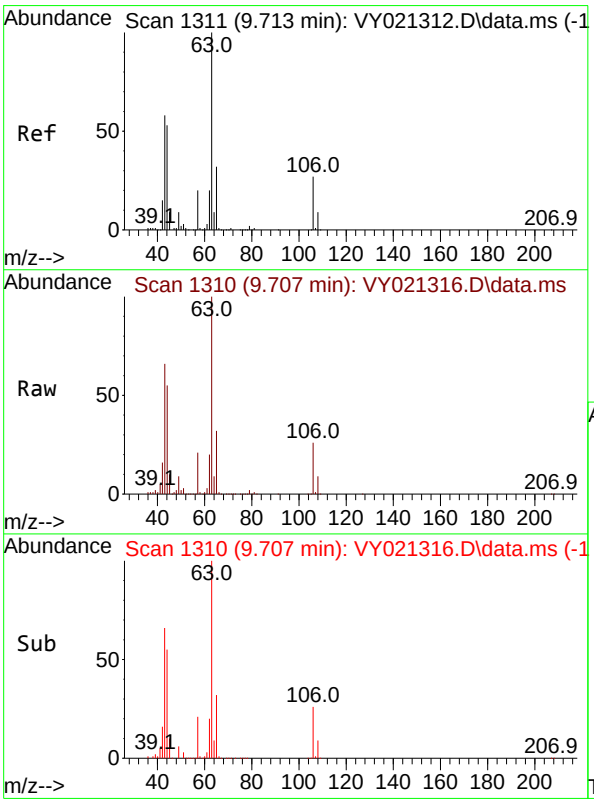

#57
1,3-Dichloropropane
Concen: 97.283 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 255903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.9 | 38.9 |

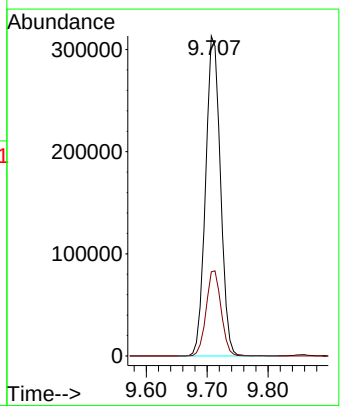


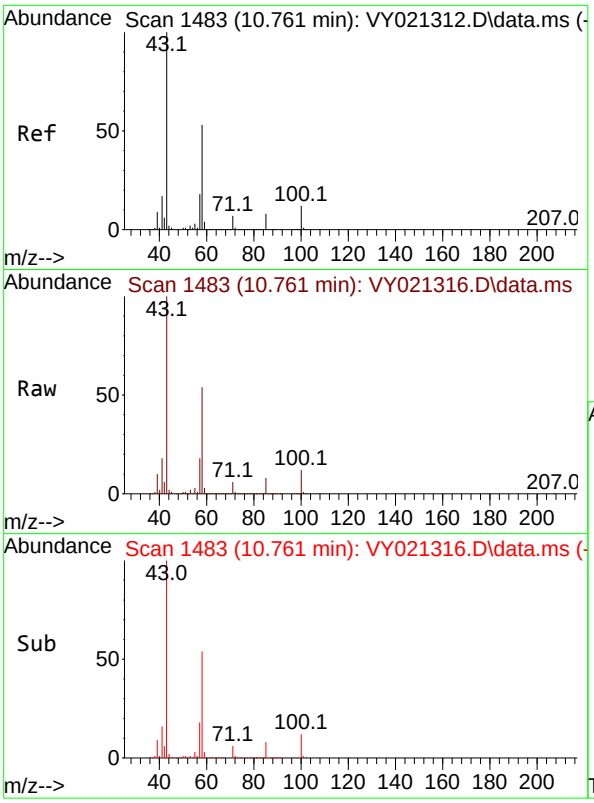




#58
2-Chloroethyl Vinyl ether
Concen: 533.791 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 530695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.9 | 21.7 | 32.5 |



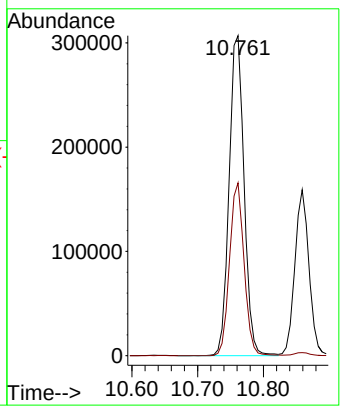


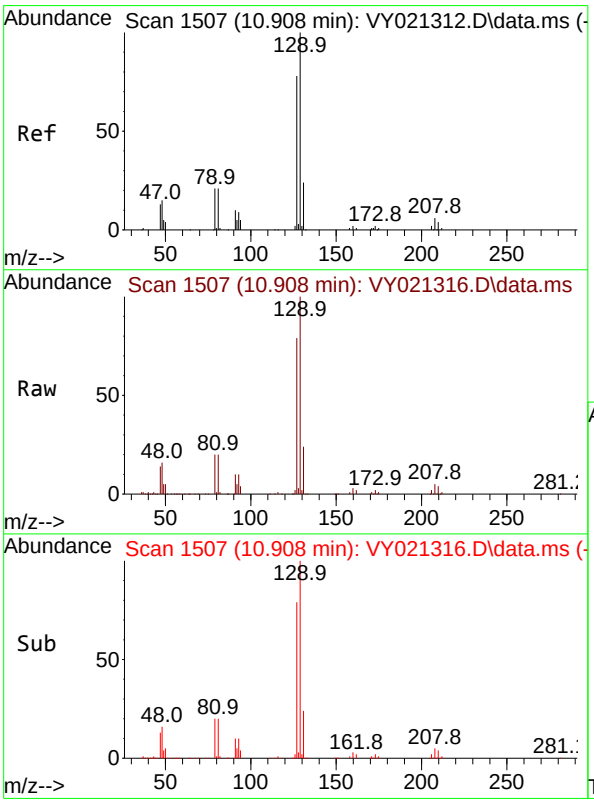

#59
2-Hexanone
Concen: 507.115 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 485734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.5 | 25.9 | 77.6 |

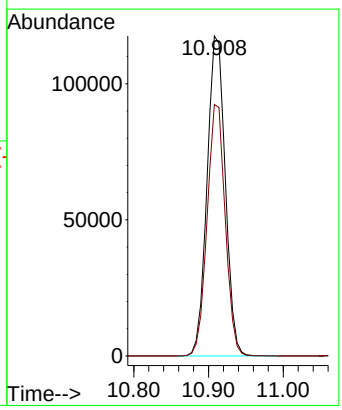


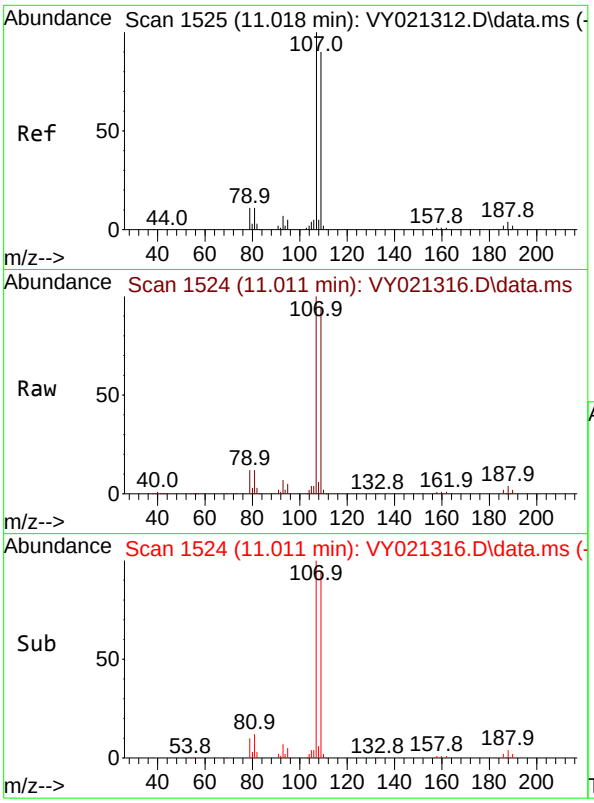




#60
Dibromochloromethane
Concen: 97.582 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:129 Resp: 199225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.2 | 38.8 | 116.4 |



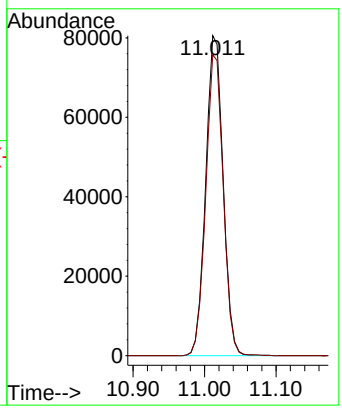


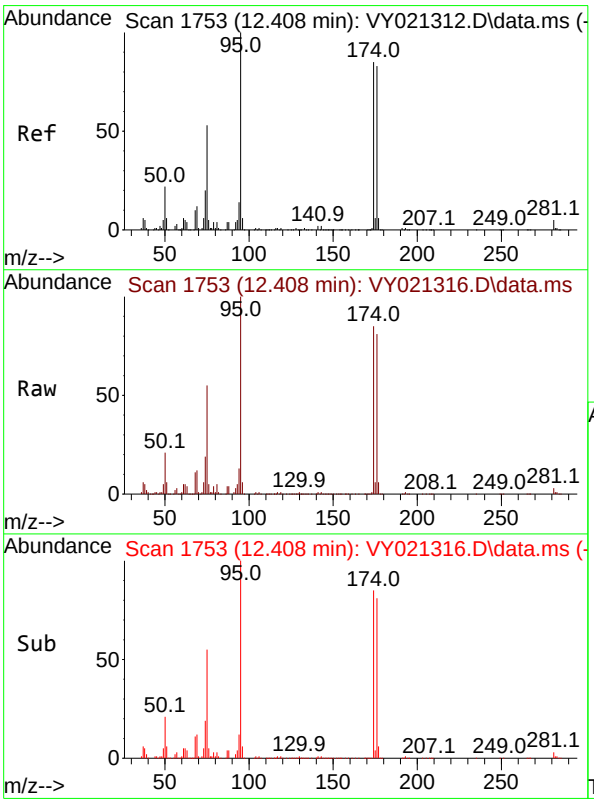

#61
1,2-Dibromoethane
Concen: 96.029 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:107 Resp: 136284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 73.8 | 110.8 |

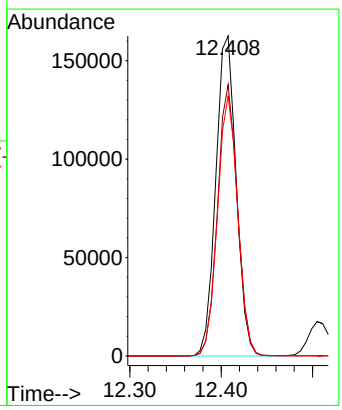


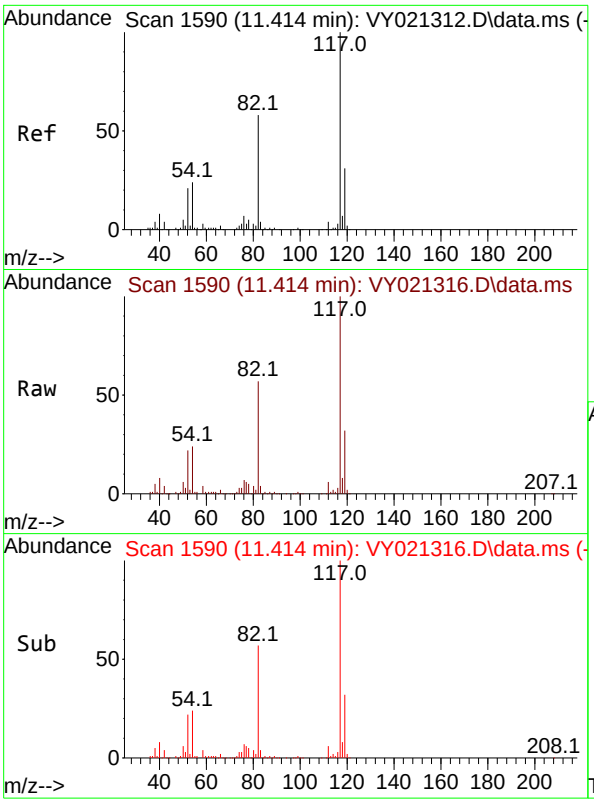




#62
4-Bromofluorobenzene
Concen: 98.477 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 95 Resp: 252327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.9 | 0.0 | 168.0 |
| 176 | 80.5 | 0.0 | 162.6 |



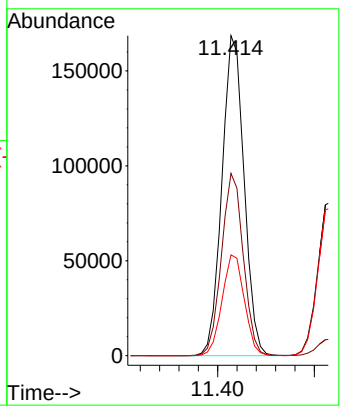


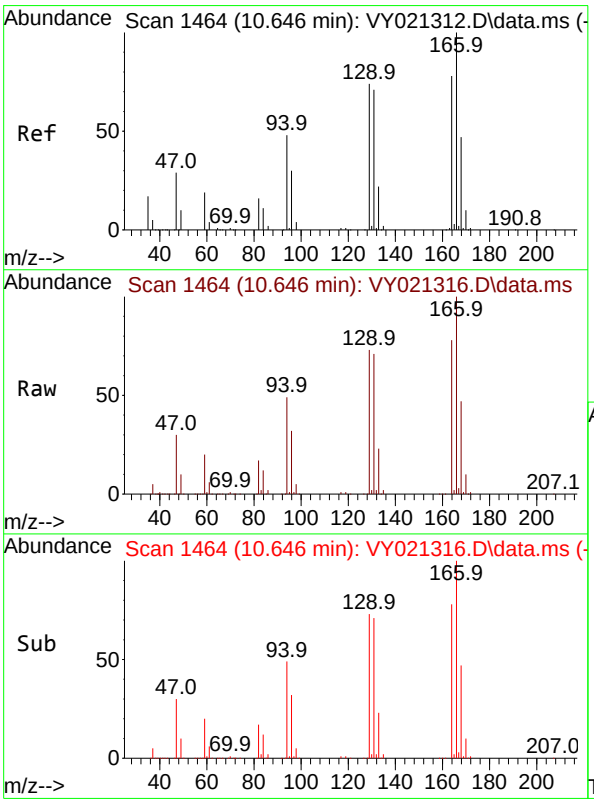

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:117 Resp: 267150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.9 | 46.2 | 69.4 |
| 119 | 31.5 | 24.9 | 37.3 |

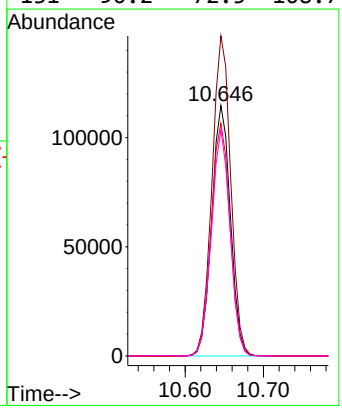


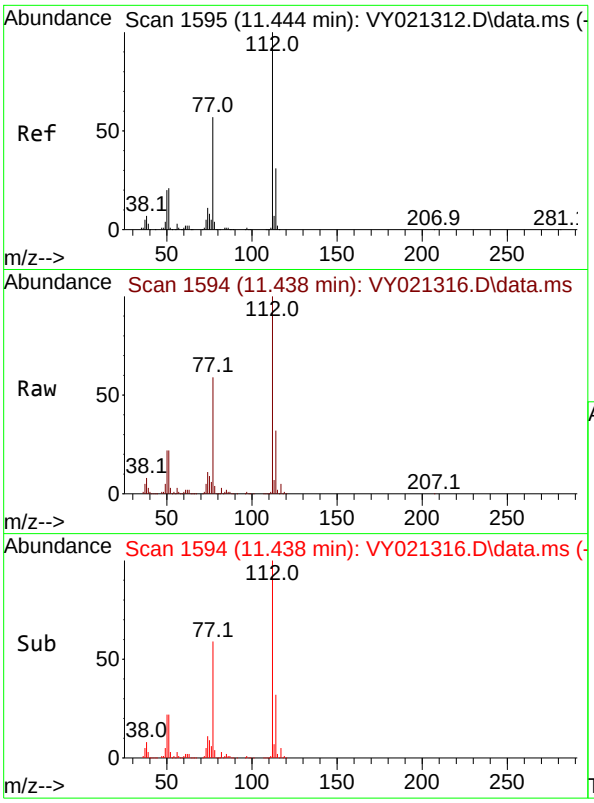




#64
Tetrachloroethene
Concen: 93.936 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:164 Resp: 189679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.8 | 101.9 | 152.9 |
| 129 | 92.9 | 75.5 | 113.3 |
| 131 | 90.2 | 72.5 | 108.7 |



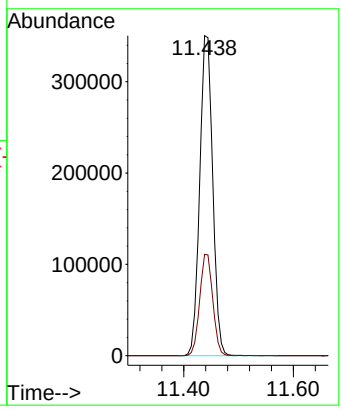


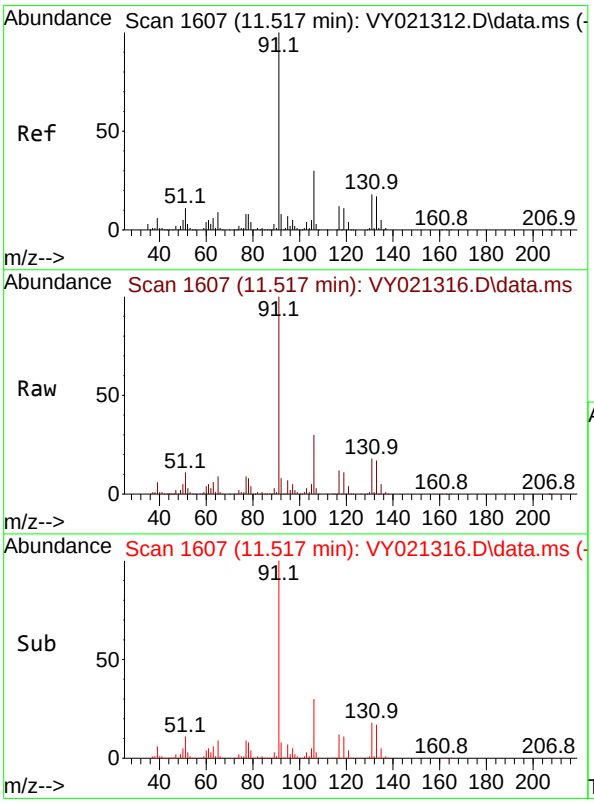

#65
Chlorobenzene
Concen: 96.070 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:112 Resp: 576109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.6 | 25.0 | 37.6 |

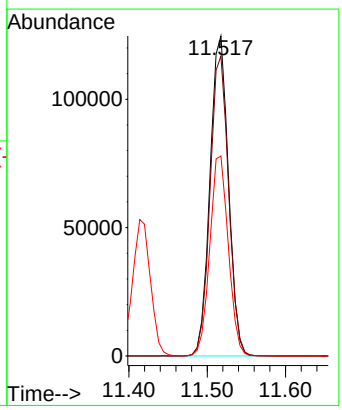


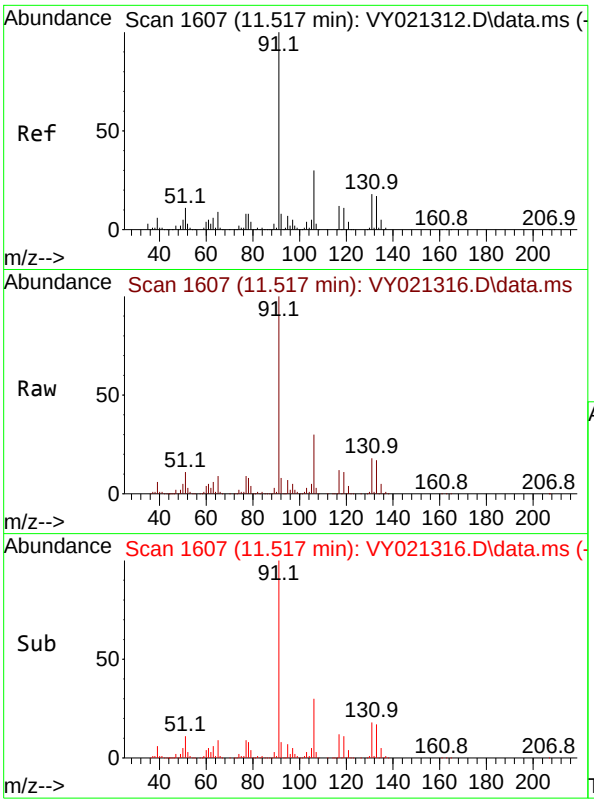




#66
1,1,1,2-Tetrachloroethane
Concen: 97.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:131 Resp: 203696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.2 | 47.9 | 143.6 |
| 119 | 62.8 | 31.7 | 95.1 |



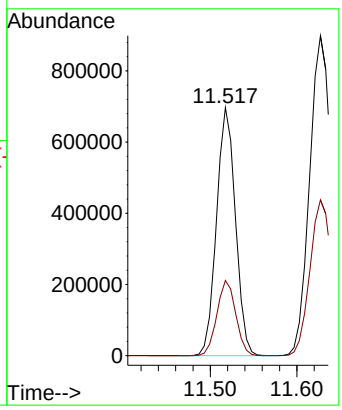


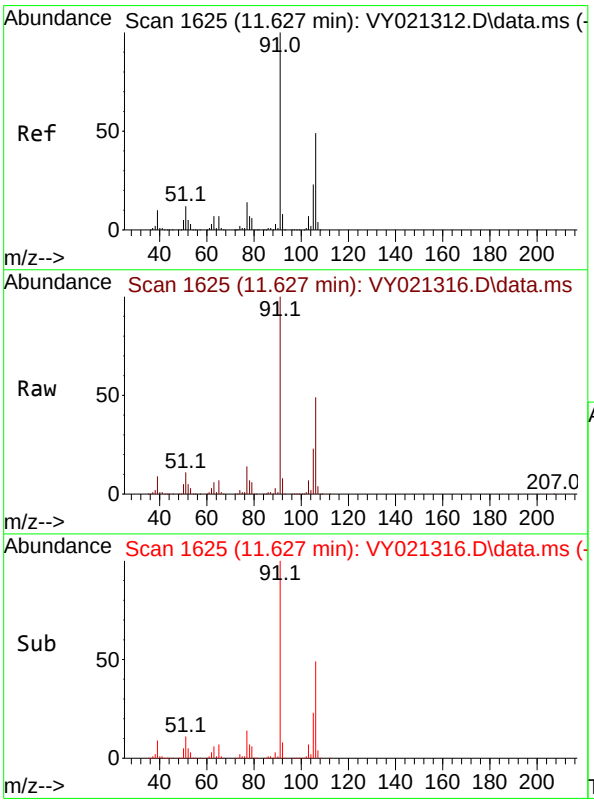

#67
Ethyl Benzene
Concen: 99.522 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 1057129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 24.4 | 36.6 |

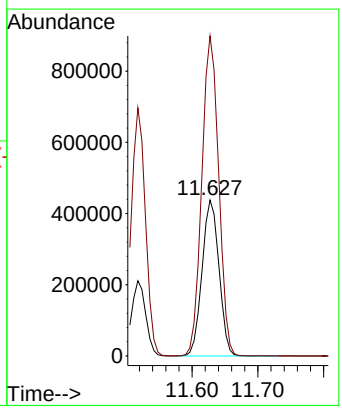


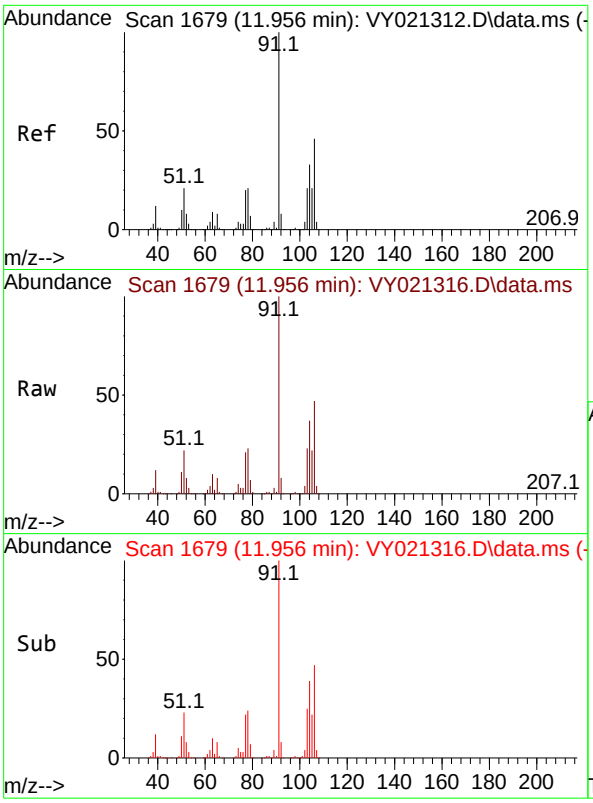




#68
m/p-Xylenes
Concen: 195.986 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 783034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.9 | 163.9 | 245.9 |



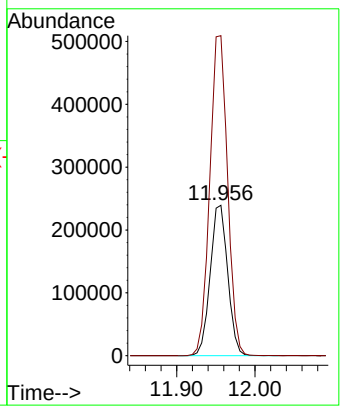


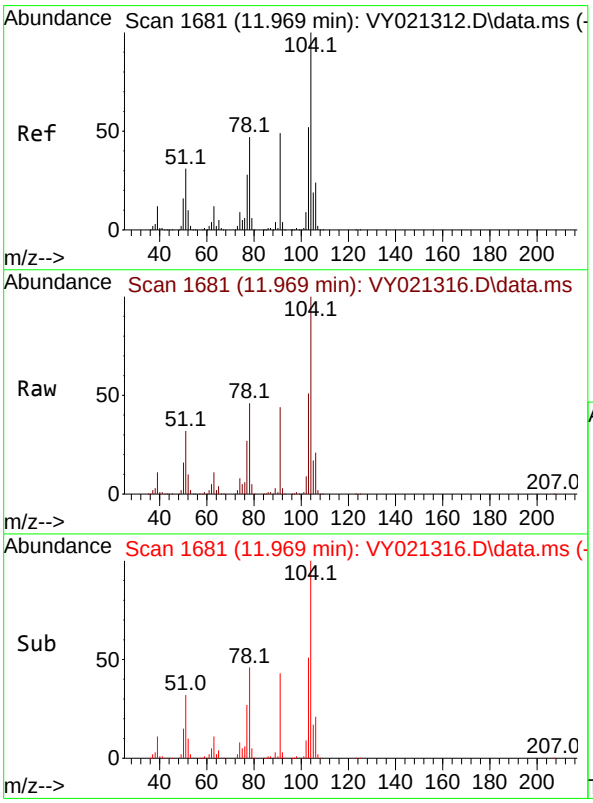

#69
o-Xylene
Concen: 99.112 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:106 Resp: 370964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.3 | 108.1 | 324.2 |

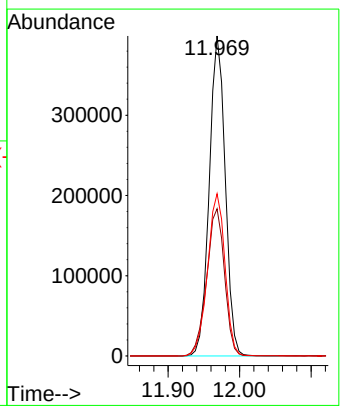


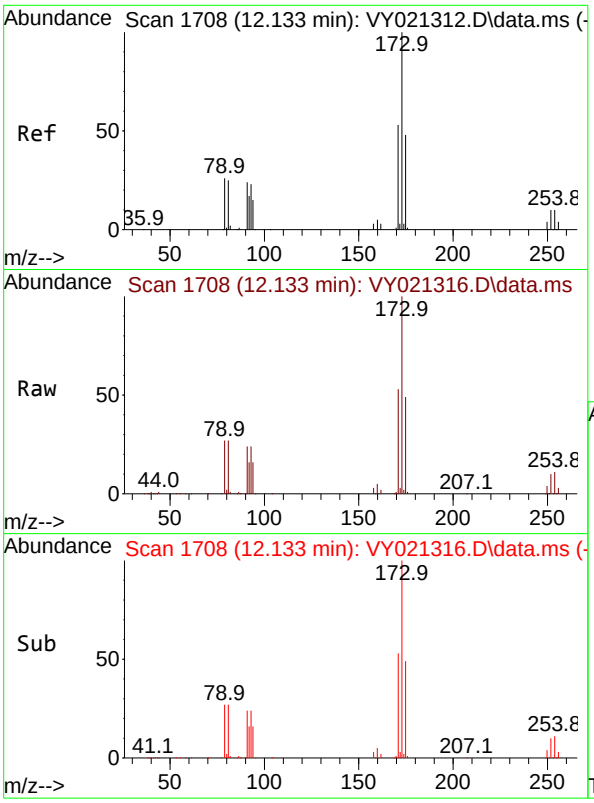




#70
Styrene
Concen: 99.469 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:104 Resp: 619437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.3 | 41.3 | 61.9 |
| 103 | 55.4 | 43.9 | 65.9 |



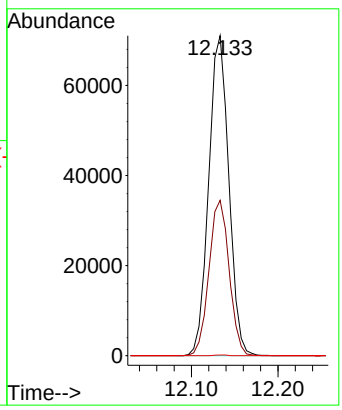


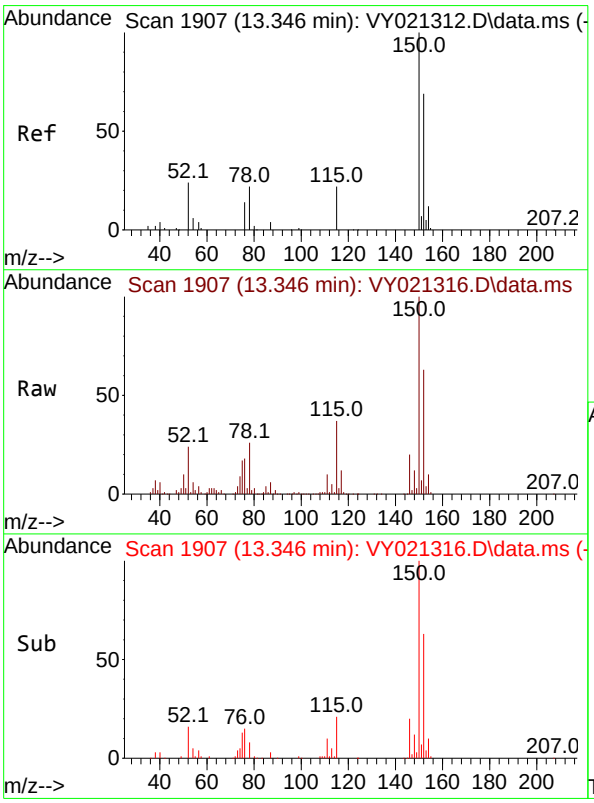

#71
Bromoform
Concen: 95.313 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:173 Resp: 114495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 24.1 | 72.3 |
| 254 | 0.1 | 0.1 | 0.1# |

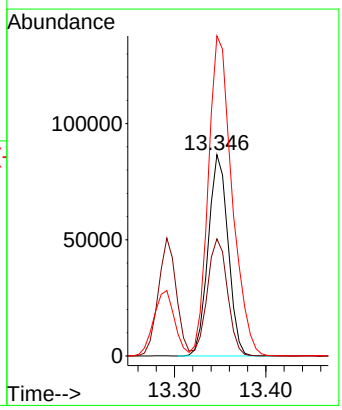


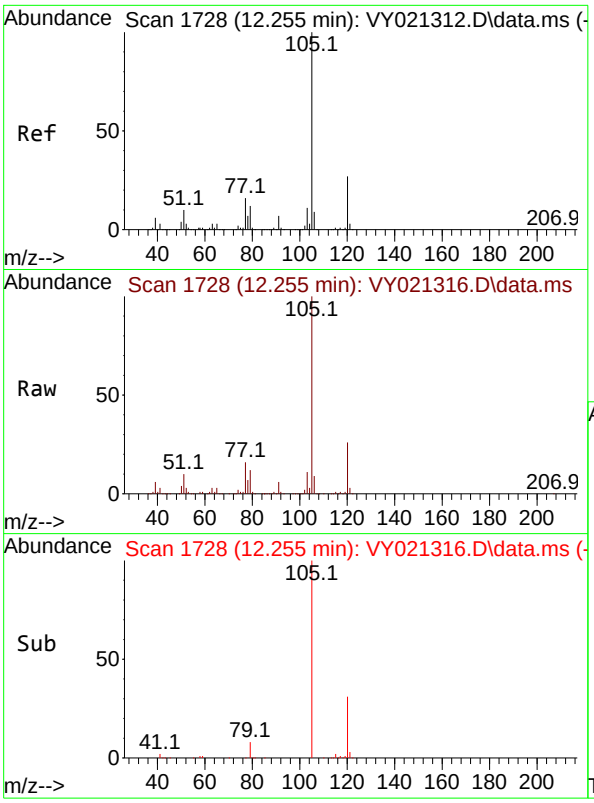




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:152 Resp: 130541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.0 | 29.3 | 88.0 |
| 150 | 190.2 | 0.0 | 347.4 |



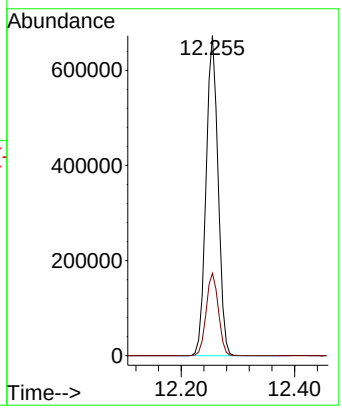


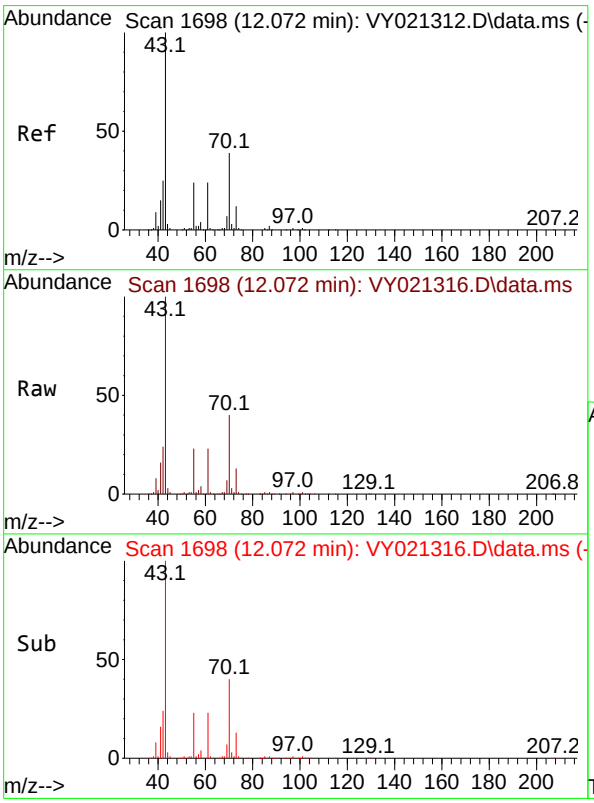

#73
Isopropylbenzene
Concen: 100.648 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 987758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.3 | 39.8 |

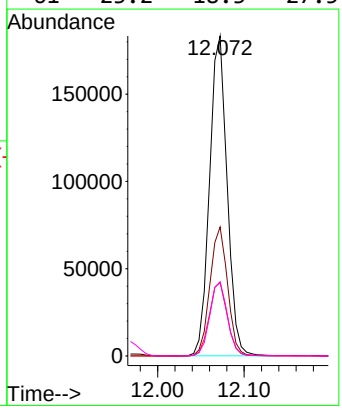


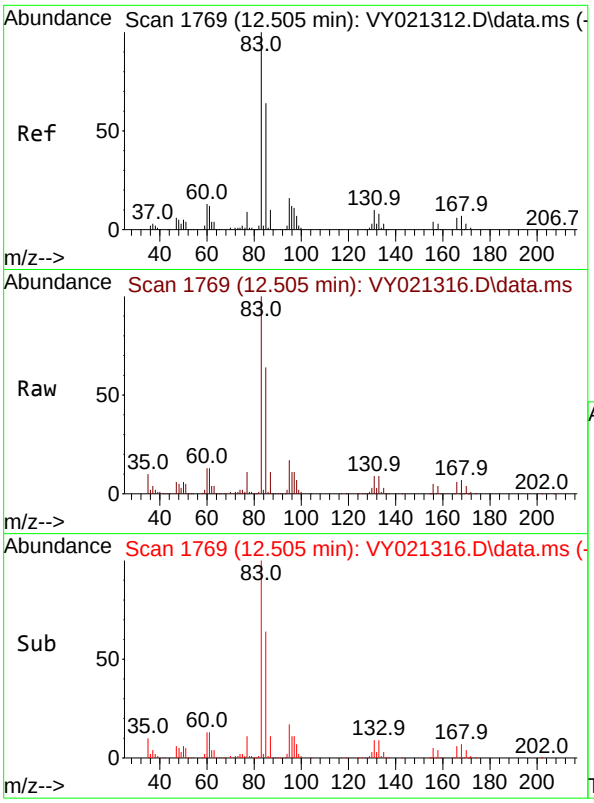




#74
N-amyl acetate
Concen: 103.658 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 258576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.6 | 32.2 | 48.2 |
| 55 | 23.8 | 19.6 | 29.4 |
| 61 | 23.2 | 18.3 | 27.5 |



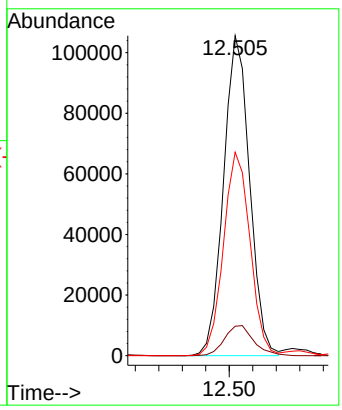


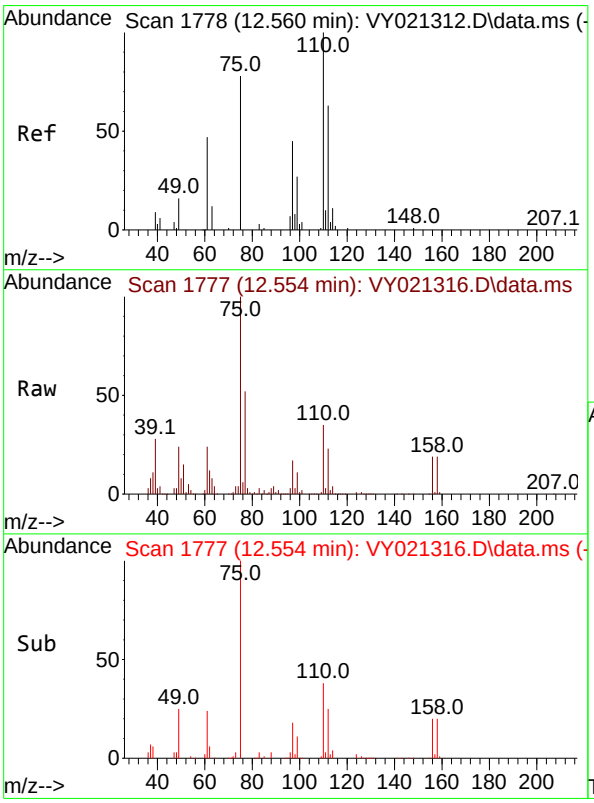

#75
1,1,2,2-Tetrachloroethane
Concen: 94.075 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 162941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 5.2 | 15.6 |
| 85 | 64.6 | 32.0 | 96.0 |

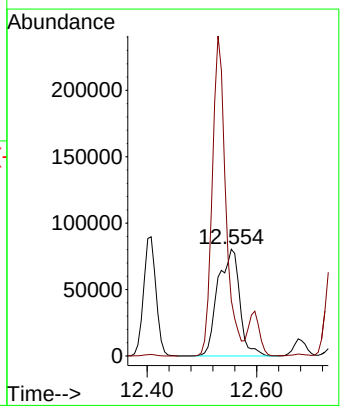


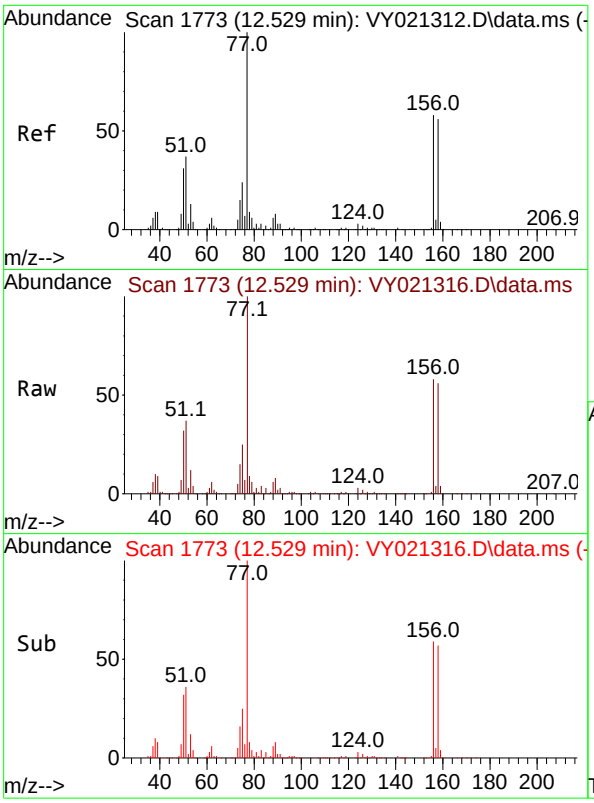




#76
1,2,3-Trichloropropane
Concen: 168.760 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 221853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



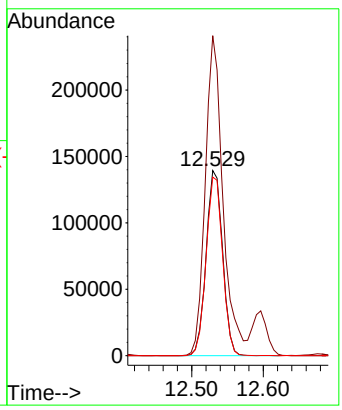


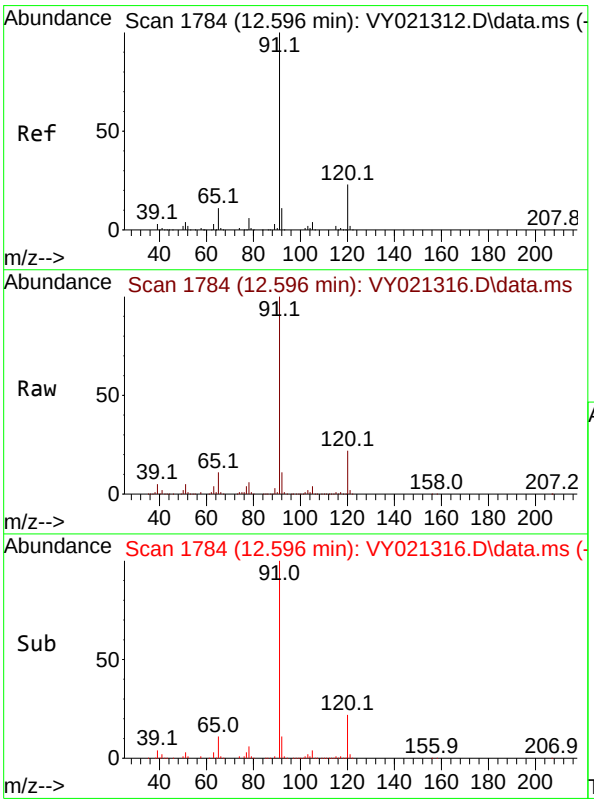

#77
Bromobenzene
Concen: 97.728 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:156 Resp: 223081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 184.2 | 94.0 | 282.1 |
| 158 | 96.9 | 48.7 | 146.1 |

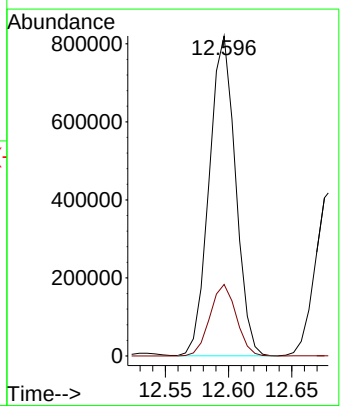


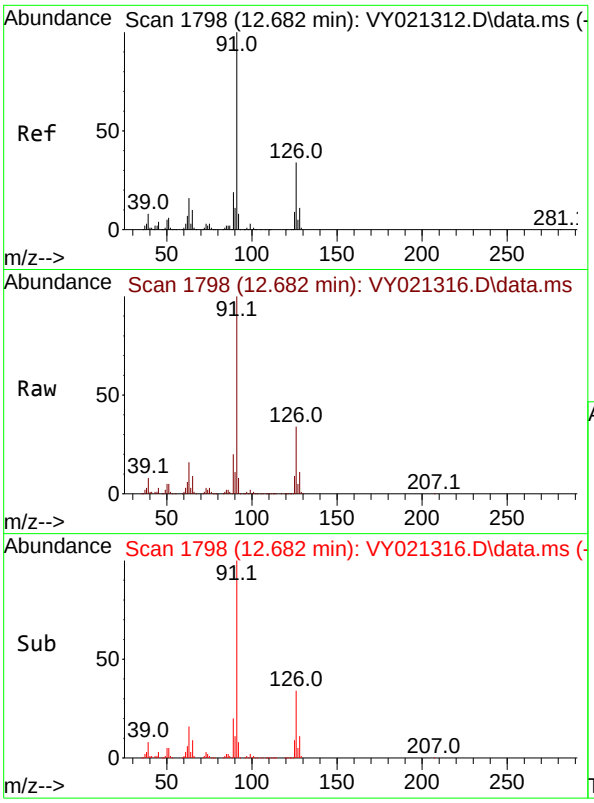




#78
n-propylbenzene
Concen: 99.651 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 1186751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.2 | 33.5 |



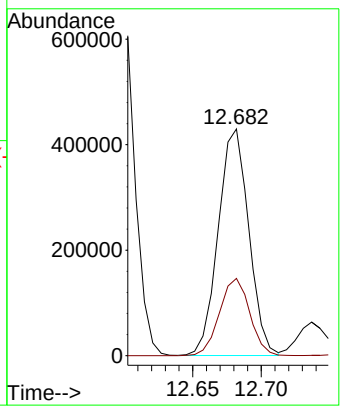


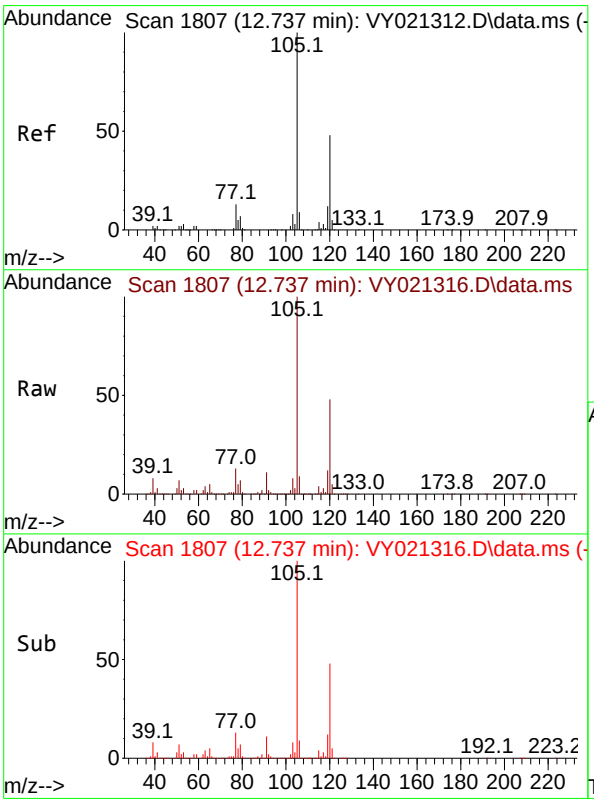

#79
2-Chlorotoluene
Concen: 97.455 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 666071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.9 | 50.6 |

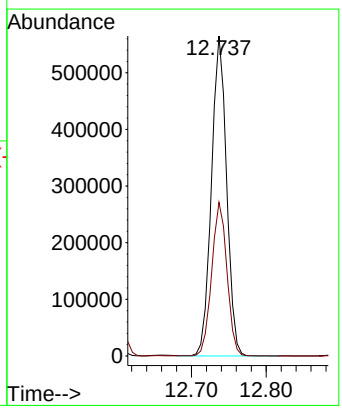


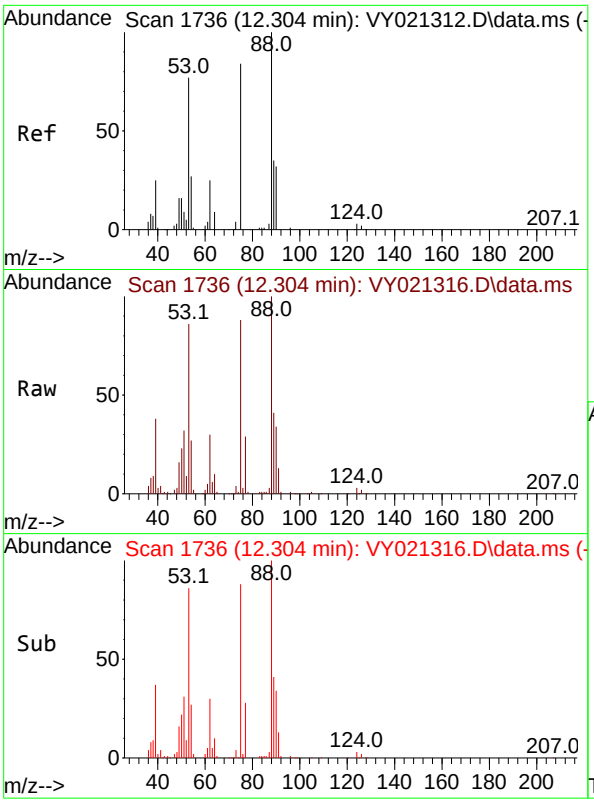




#80
1,3,5-Trimethylbenzene
Concen: 98.676 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 794247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.3 | 73.0 |



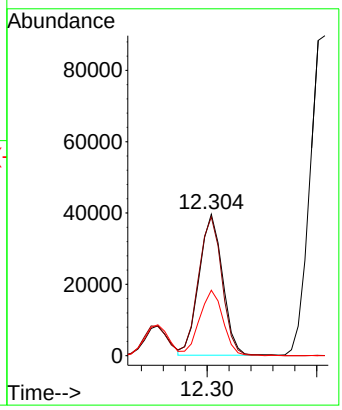


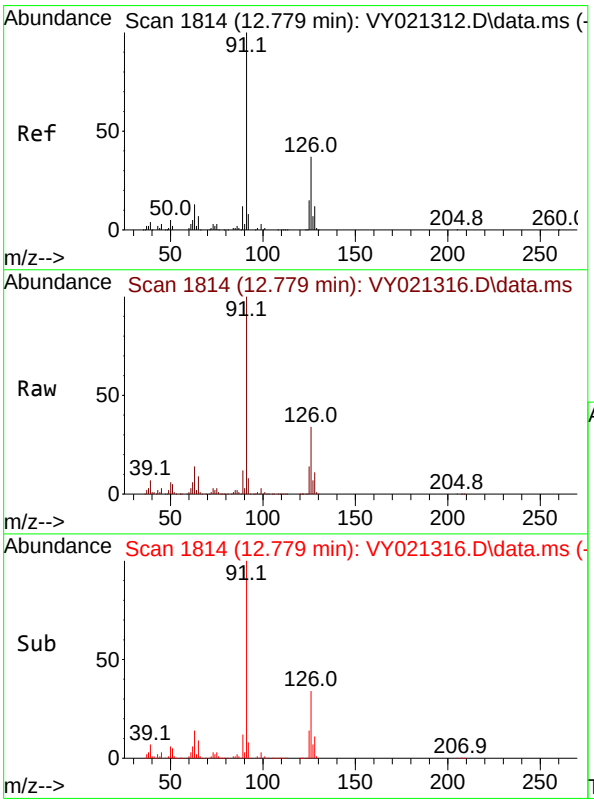

#81
trans-1,4-Dichloro-2-butene
Concen: 100.031 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 58806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.2 | 79.1 | 118.7 |
| 89 | 46.7 | 35.6 | 53.4 |

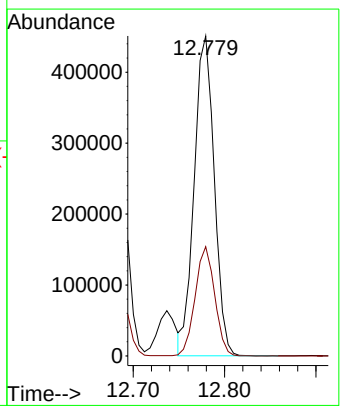


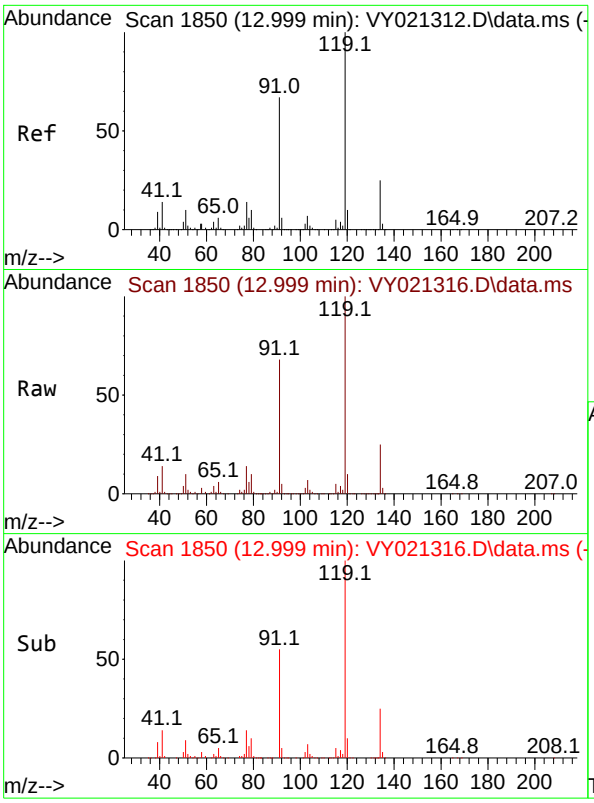




#82
4-Chlorotoluene
Concen: 97.022 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 687385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.8 | 50.4 |



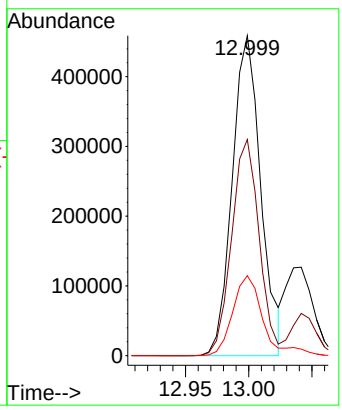


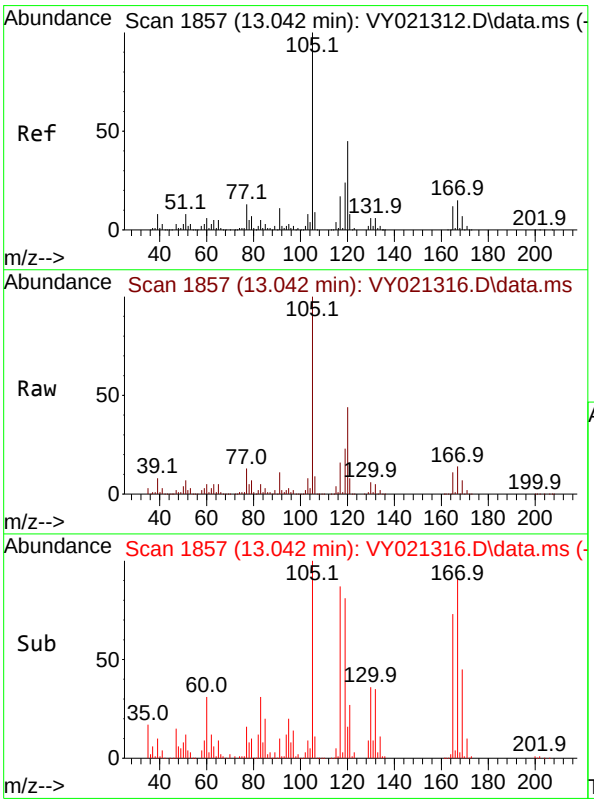

#83
tert-Butylbenzene
Concen: 99.092 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:119 Resp: 720480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.1 | 32.7 | 98.1 |
| 134 | 26.5 | 13.3 | 39.9 |

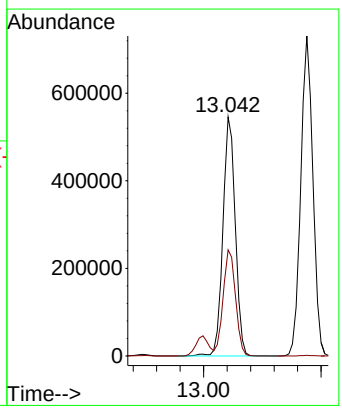


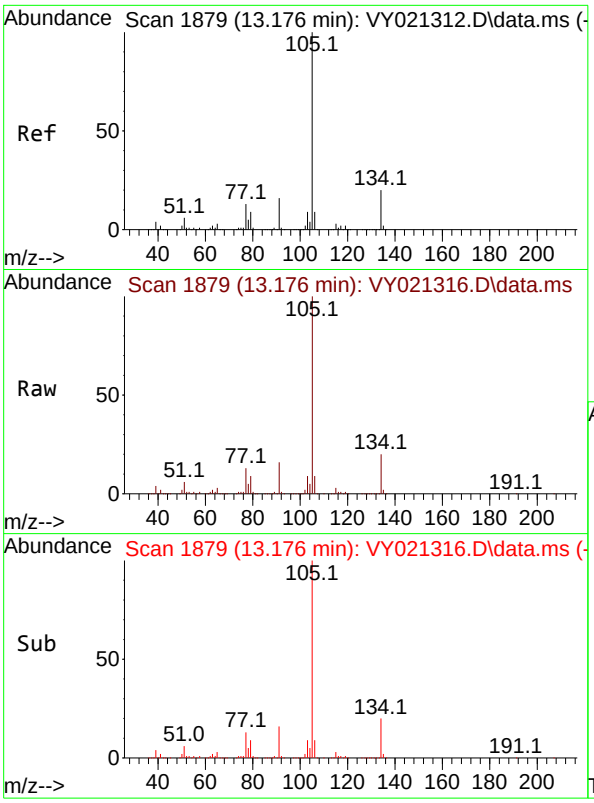




#84
1,2,4-Trimethylbenzene
Concen: 99.415 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 795840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 22.4 | 67.3 |



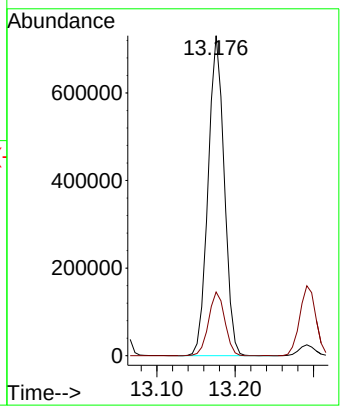


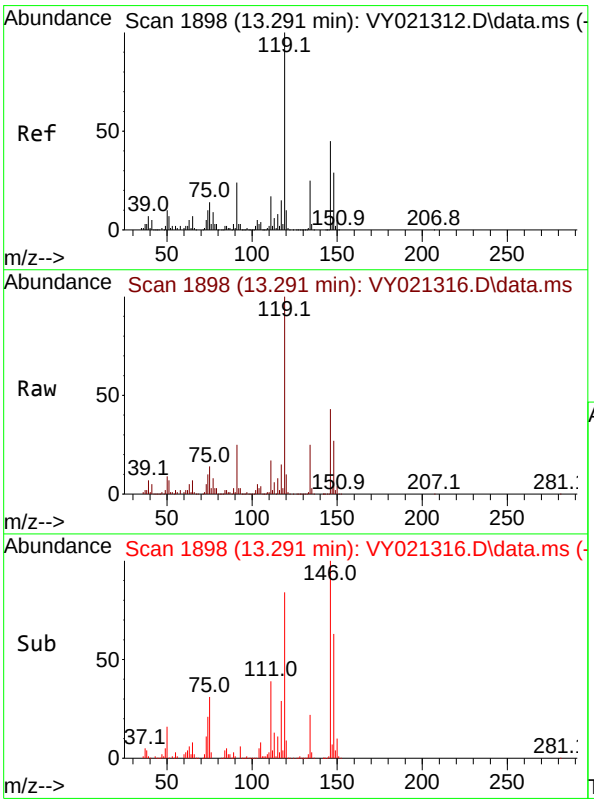

#85
sec-Butylbenzene
Concen: 98.021 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 1041022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 10.0 | 30.0 |

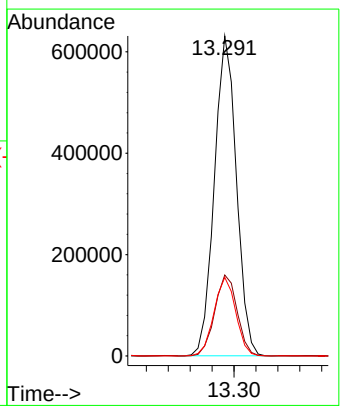


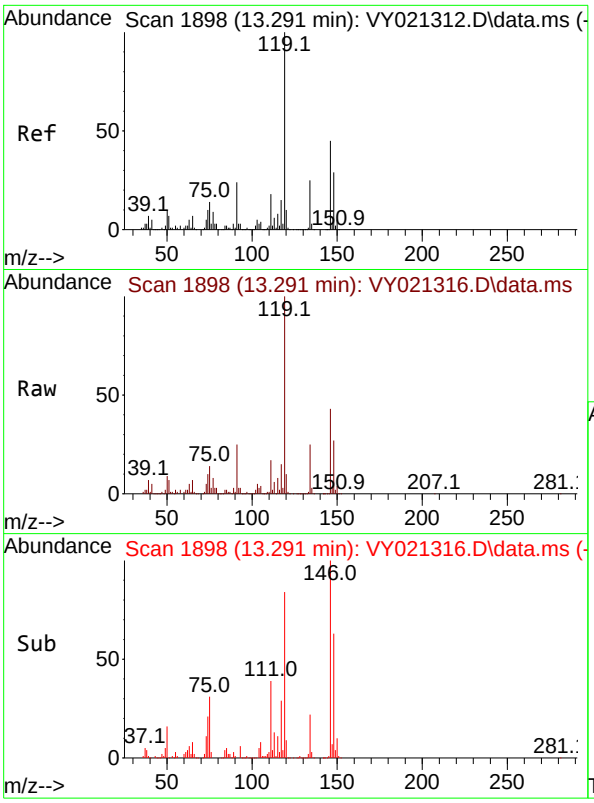




#86
p-Isopropyltoluene
Concen: 99.431 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 881757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 13.0 | 38.9 |
| 91 | 24.3 | 12.0 | 36.1 |



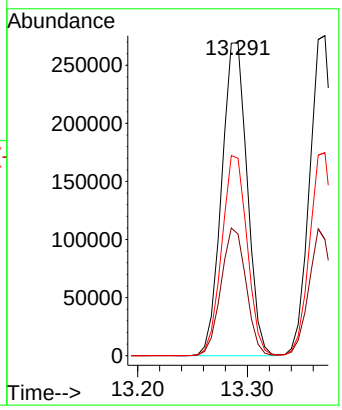


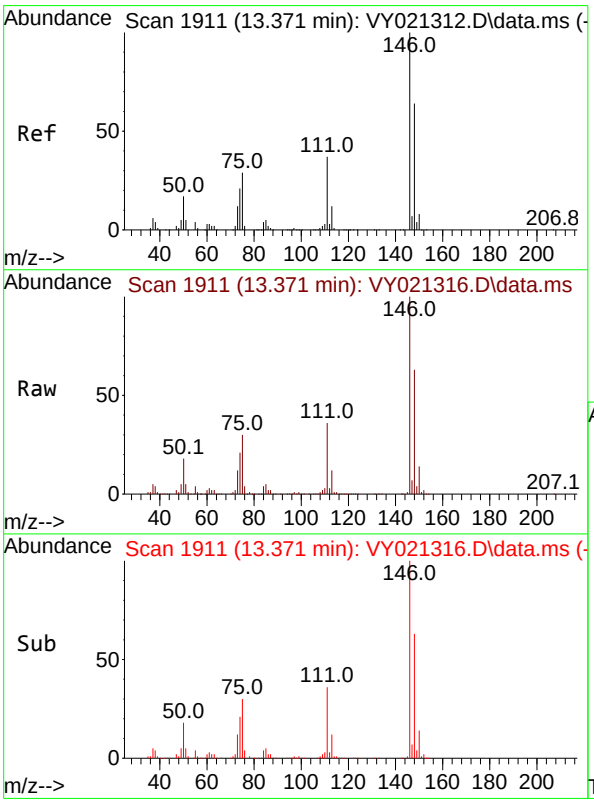

#87
1,3-Dichlorobenzene
Concen: 96.445 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 435489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.1 | 20.0 | 59.9 |
| 148 | 63.6 | 31.9 | 95.9 |

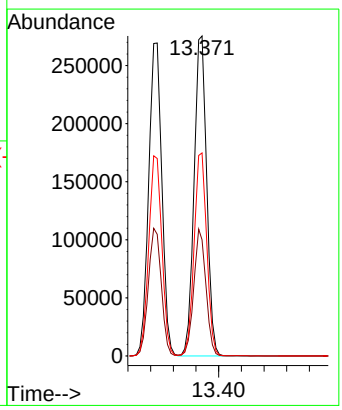


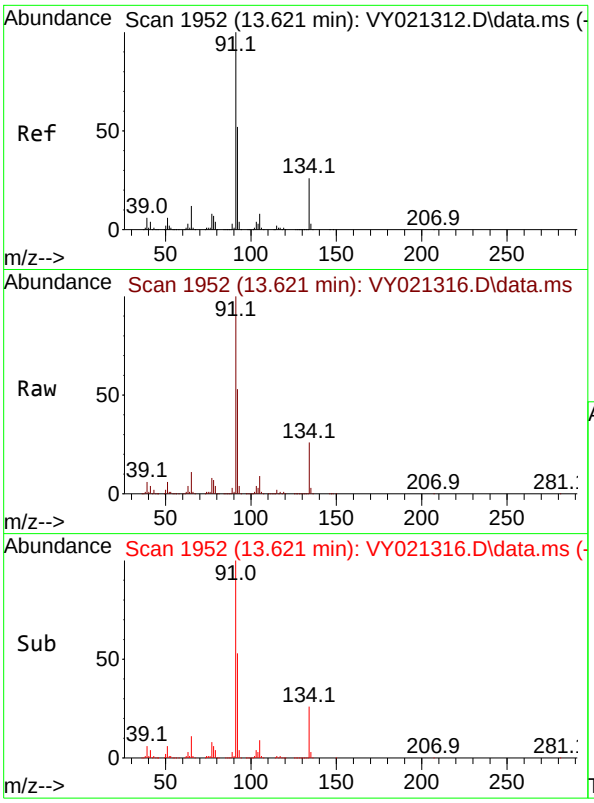




#88
1,4-Dichlorobenzene
Concen: 95.343 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 425301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.2 | 19.5 | 58.5 |
| 148 | 63.7 | 32.0 | 96.2 |



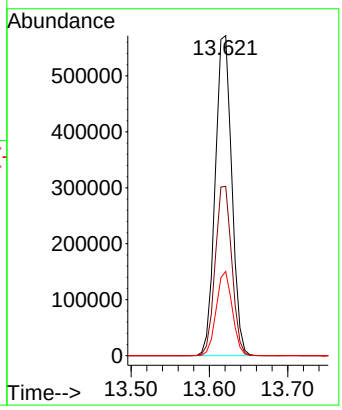


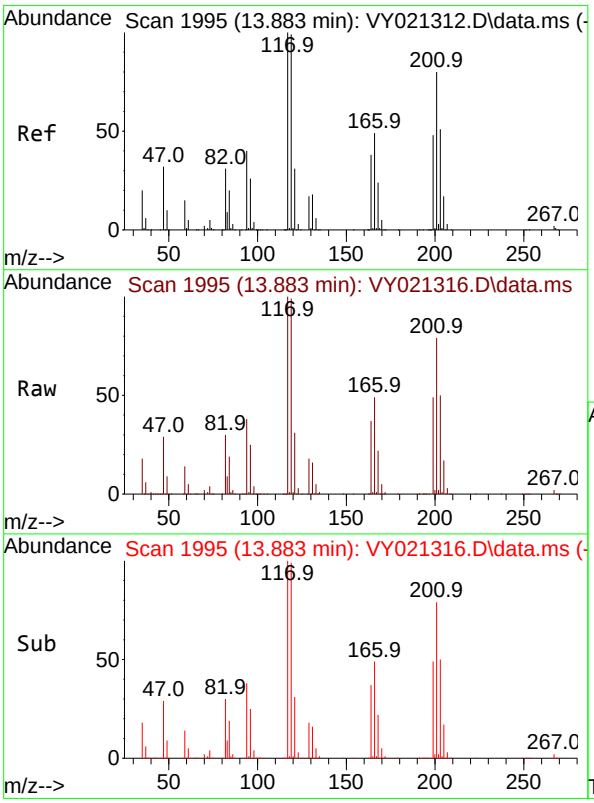

#89
n-Butylbenzene
Concen: 100.683 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 840236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.4 | 79.2 |
| 134 | 25.5 | 12.7 | 38.0 |

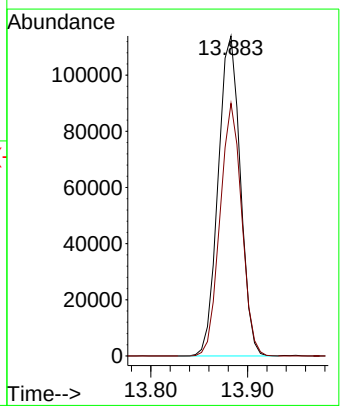


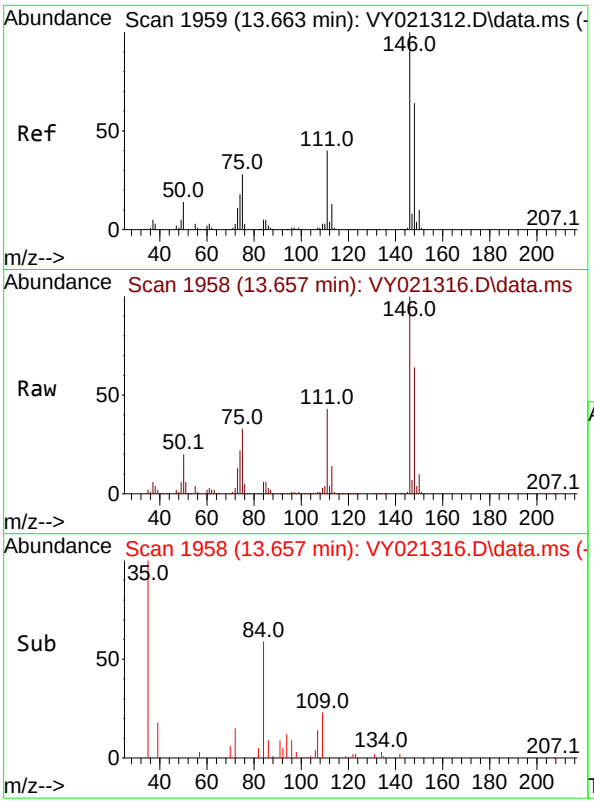




#90
Hexachloroethane
Concen: 97.720 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 181015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 77.1 | 38.4 | 115.2 |



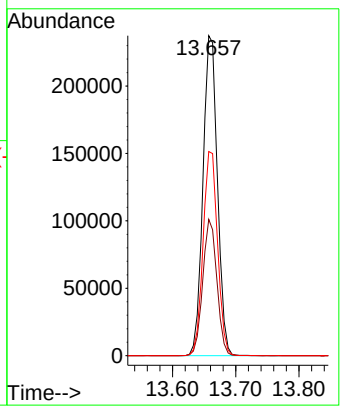


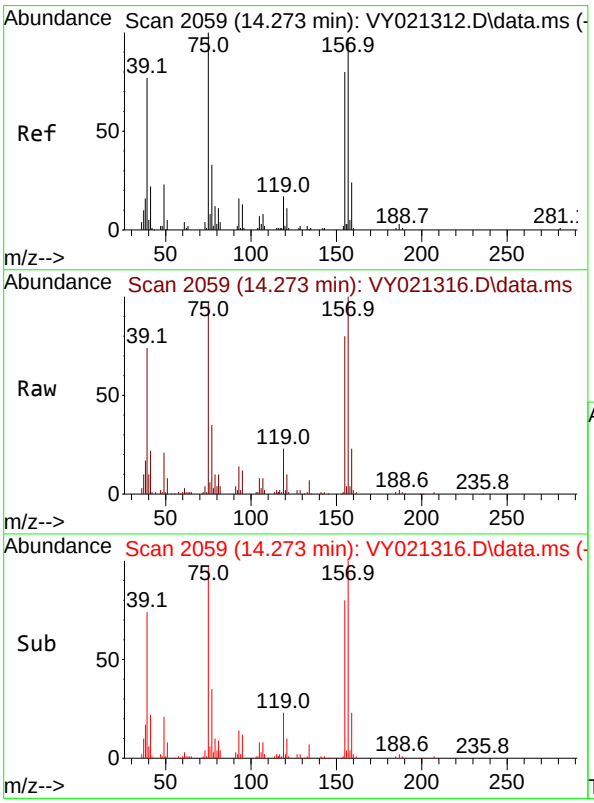

#91
1,2-Dichlorobenzene
Concen: 95.410 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 377453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.7 | 20.7 | 62.1 |
| 148 | 64.1 | 31.7 | 95.1 |

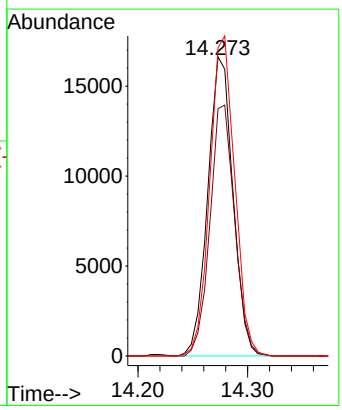


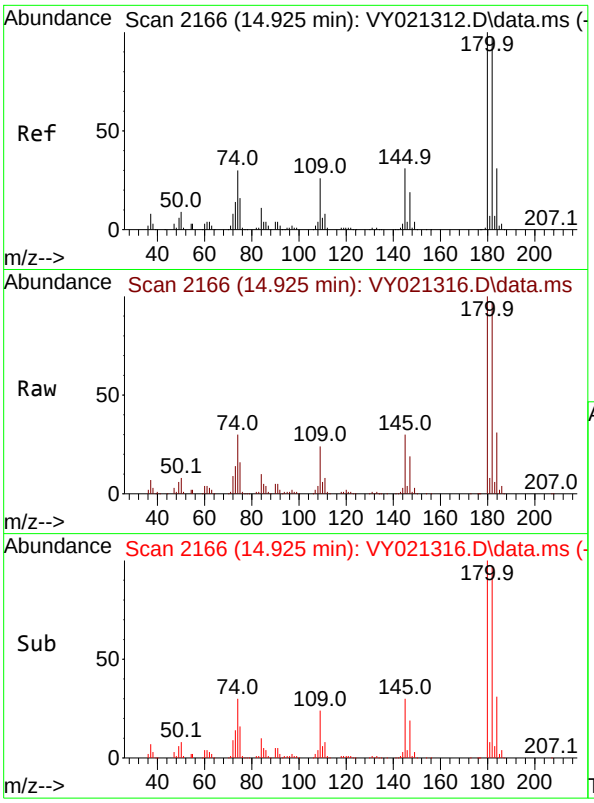




#92
1,2-Dibromo-3-Chloropropane
Concen: 96.867 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 26541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.1 | 41.9 | 125.6 |
| 157 | 105.5 | 52.5 | 157.6 |



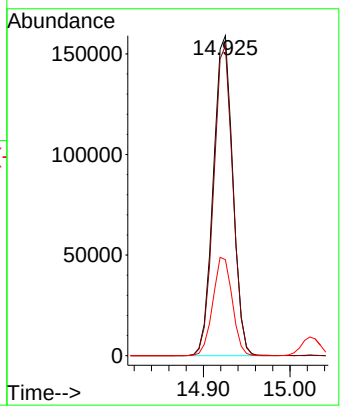


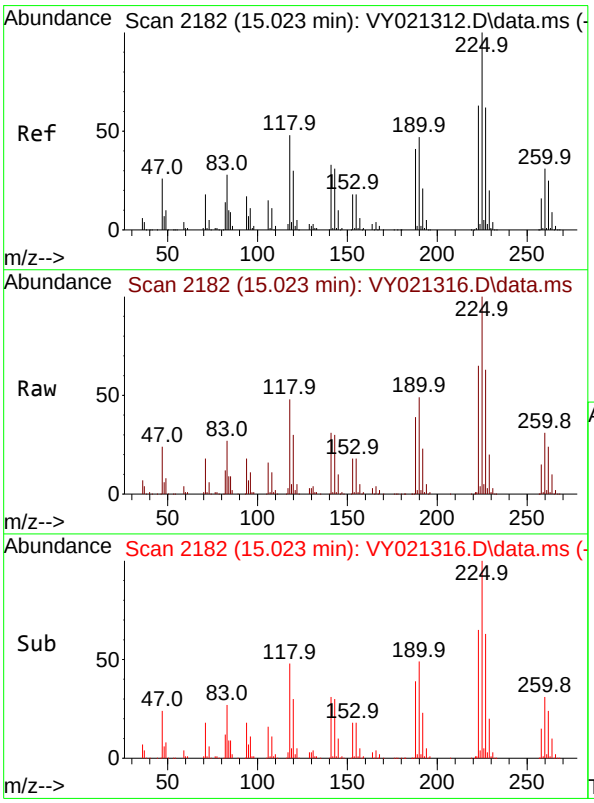

#93
1,2,4-Trichlorobenzene
Concen: 102.770 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:180 Resp: 248146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 47.9 | 143.7 |
| 145 | 30.6 | 15.6 | 46.8 |

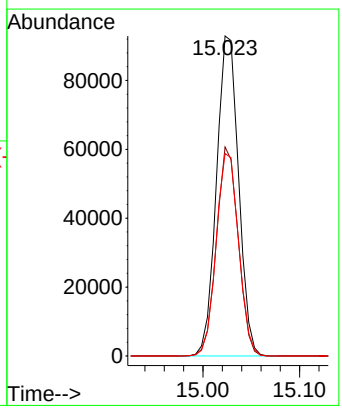


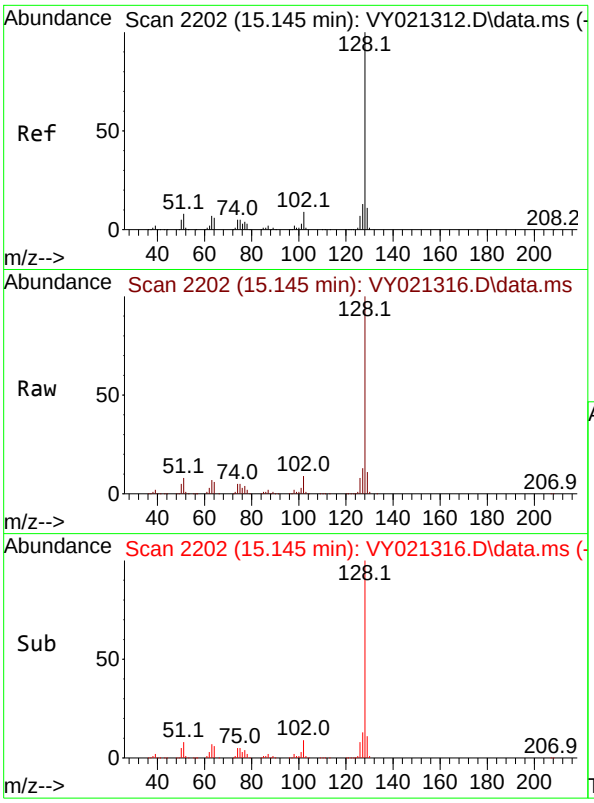




#94
Hexachlorobutadiene
Concen: 96.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:225 Resp: 147103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.4 | 31.8 | 95.4 |
| 227 | 64.4 | 31.9 | 95.7 |



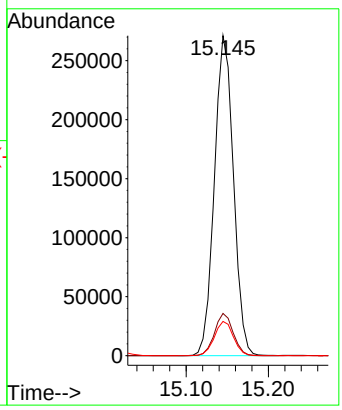


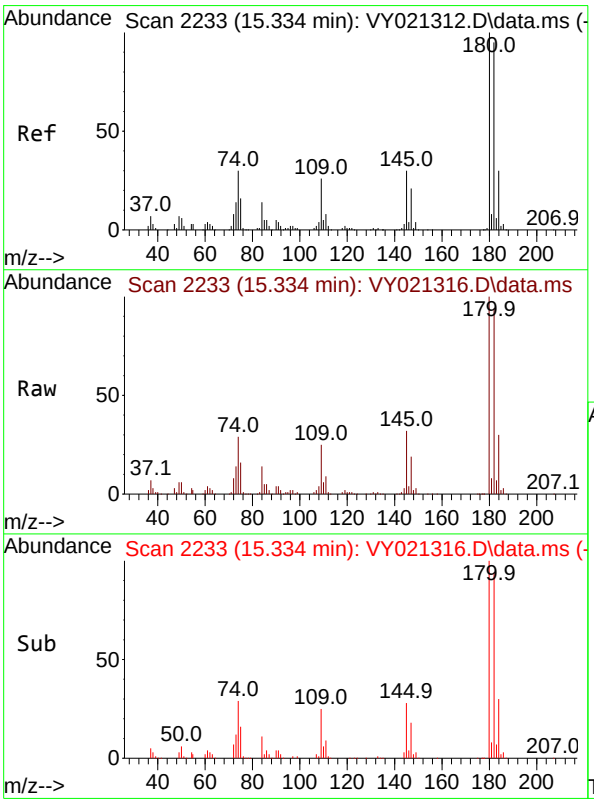

#95
Naphthalene
Concen: 109.220 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC100

Tgt Ion:128 Resp: 436817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.5 | 15.7 |
| 129 | 10.7 | 8.5 | 12.7 |

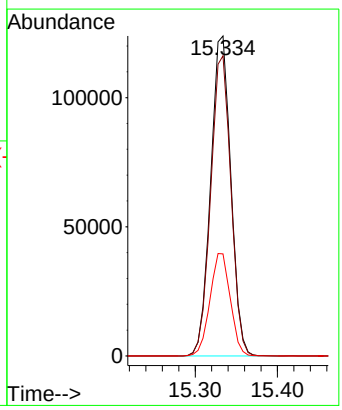



#96
1,2,3-Trichlorobenzene
Concen: 103.581 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 211313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.0 | 48.3 | 144.9 |
| 145 | 32.3 | 16.1 | 48.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 183832 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 292214 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 257123 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 126299 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 98960 | 47.453 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 94.900% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 93944 | 49.037 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 98.080% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 360528 | 48.694 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 97.380% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 120972 | 48.549 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 97.100% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 93894 | 53.871 | ug/l | 98 |
| 3) Chloromethane | 2.068 | 50 | 120479 | 53.523 | ug/l | 100 |
| 4) Vinyl Chloride | 2.202 | 62 | 121922 | 55.184 | ug/l | 98 |
| 5) Bromomethane | 2.598 | 94 | 77054 | 52.483 | ug/l | 100 |
| 6) Chloroethane | 2.732 | 64 | 75086 | 54.804 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.062 | 101 | 178123 | 53.384 | ug/l | 94 |
| 8) Diethyl Ether | 3.458 | 74 | 54929 | 54.849 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 104678 | 54.188 | ug/l | 98 |
| 10) Methyl Iodide | 4.007 | 142 | 124707 | 61.361 | ug/l | 100 |
| 11) Tert butyl alcohol | 4.848 | 59 | 35572 | 221.762 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 100075 | 54.104 | ug/l | 98 |
| 13) Acrolein | 3.653 | 56 | 6337 | 51.554 | ug/l | 95 |
| 14) Allyl chloride | 4.385 | 41 | 181554 | 55.361 | ug/l | 99 |
| 15) Acrylonitrile | 5.055 | 53 | 118343 | 267.274 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 90886 | 227.197 | ug/l | 99 |
| 17) Carbon Disulfide | 4.104 | 76 | 335241 | 54.581 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 51200 | 52.372 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 265419 | 54.311 | ug/l | 97 |
| 20) Methylene Chloride | 4.616 | 84 | 110456 | 51.062 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.116 | 96 | 112082 | 55.044 | ug/l | 99 |
| 22) Diisopropyl ether | 6.018 | 45 | 377281 | 55.595 | ug/l | 99 |
| 23) Vinyl Acetate | 5.957 | 43 | 1116005 | 275.197 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 210383 | 55.004 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 152895 | 253.246 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 187045 | 53.893 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 130921 | 56.305 | ug/l | 98 |
| 28) Bromochloromethane | 7.244 | 49 | 80309 | 47.452 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 102673 | 260.172 | ug/l | 99 |
| 30) Chloroform | 7.421 | 83 | 213255 | 55.023 | ug/l | 98 |
| 31) Cyclohexane | 7.701 | 56 | 191850 | 52.180 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 194325 | 55.084 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 157102 | 54.593 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 72810 | 50.864 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 175208 | 54.157 | ug/l | 99 |
| 39) Methylcyclohexane | 9.109 | 83 | 197993 | 54.397 | ug/l | 99 |
| 40) Benzene | 8.079 | 78 | 464323 | 54.583 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 39412 | 49.244 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 129718 | 53.746 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.195 | 43 | 145128 | 52.380 | ug/l | # | 87 |
| 44) Trichloroethene | 8.865 | 130 | 116988 | 54.930 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 111498 | 54.464 | ug/l | | 99 |
| 46) Dibromomethane | 9.231 | 93 | 61031 | 54.539 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 162580 | 54.489 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.219 | 41 | 71360 | 55.076 | ug/l | | 99 |
| 49) 1,4-Dioxane | 9.225 | 88 | 13103 | 1053.076 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 372486 | 262.628 | ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 294219 | 55.674 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 152263 | 55.699 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 178951 | 55.451 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 77645 | 53.263 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.438 | 69 | 112155 | 55.679 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 139257 | 54.438 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 221395 | 228.990 | ug/l | | 100 |
| 59) 2-Hexanone | 10.761 | 43 | 246032 | 264.133 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.914 | 129 | 107866 | 54.329 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 74447 | 53.942 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 102887 | 52.940 | ug/l | | 95 |
| 65) Chlorobenzene | 11.444 | 112 | 314040 | 54.410 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 110179 | 54.517 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.517 | 91 | 572425 | 55.992 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.627 | 106 | 427892 | 111.274 | ug/l | | 99 |
| 69) o-Xylene | 11.956 | 106 | 202123 | 56.108 | ug/l | | 99 |
| 70) Styrene | 11.969 | 104 | 337489 | 56.307 | ug/l | | 99 |
| 71) Bromoform | 12.133 | 173 | 61959 | 53.590 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.255 | 105 | 540978 | 56.974 | ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 133968 | 55.509 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83 | 89240 | 53.254 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 118541 | 93.768 | ug/l | # | 100 |
| 77) Bromobenzene | 12.536 | 156 | 122121 | 55.296 | ug/l | | 98 |
| 78) n-propylbenzene | 12.597 | 91 | 654255 | 56.783 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 369065 | 55.813 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 440379 | 56.549 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 30268 | 53.216 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 375340 | 54.757 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 393228 | 55.900 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 438538 | 56.621 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 571874 | 55.655 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 484140 | 56.427 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 239404 | 54.800 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 233477 | 54.098 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 459065 | 56.856 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 98634 | 55.035 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 208776 | 54.545 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 13821 | 52.137 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 132464 | 56.703 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 78745 | 53.541 | ug/l | | 99 |
| 95) Naphthalene | 15.151 | 128 | 222839 | 57.589 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 112466 | 56.980 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

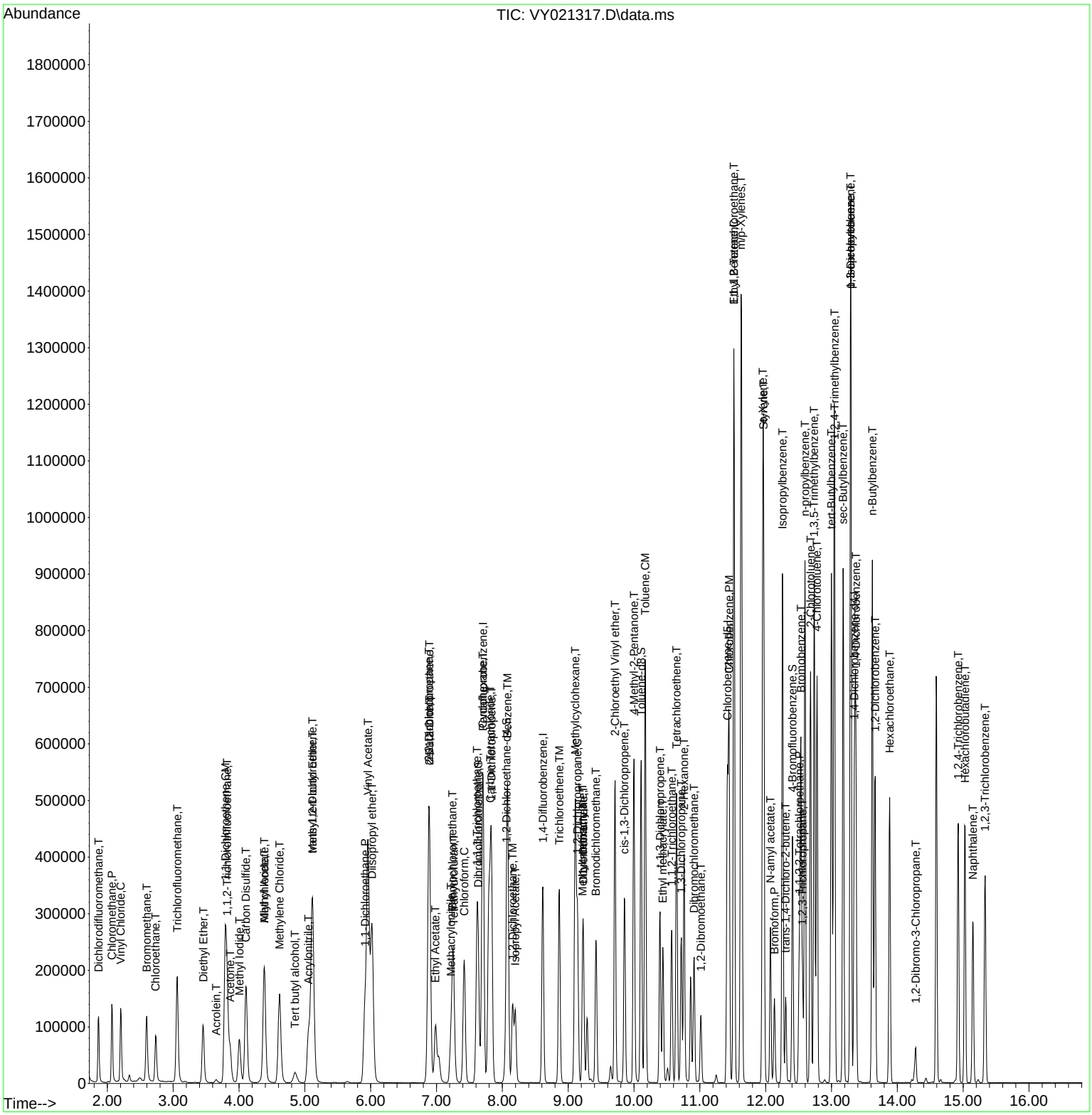
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

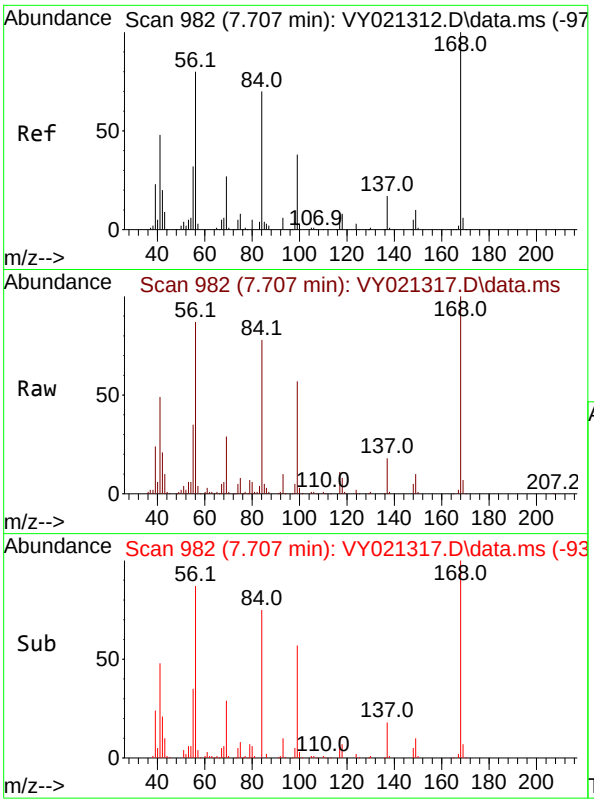
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



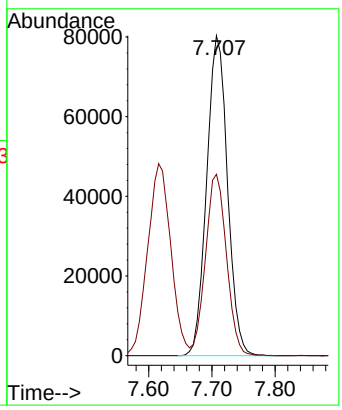


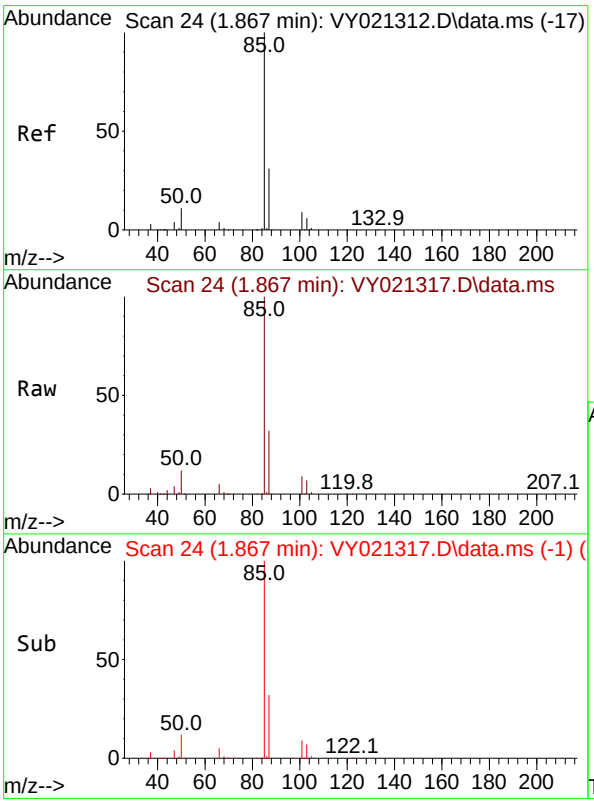

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:168 Resp: 183832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.7 | 47.1 | 70.7 |

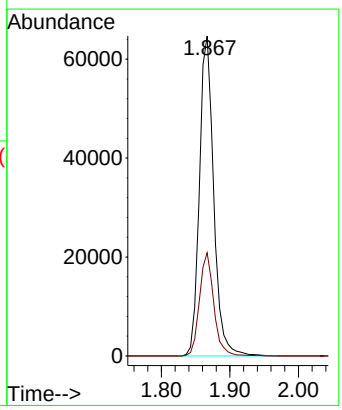


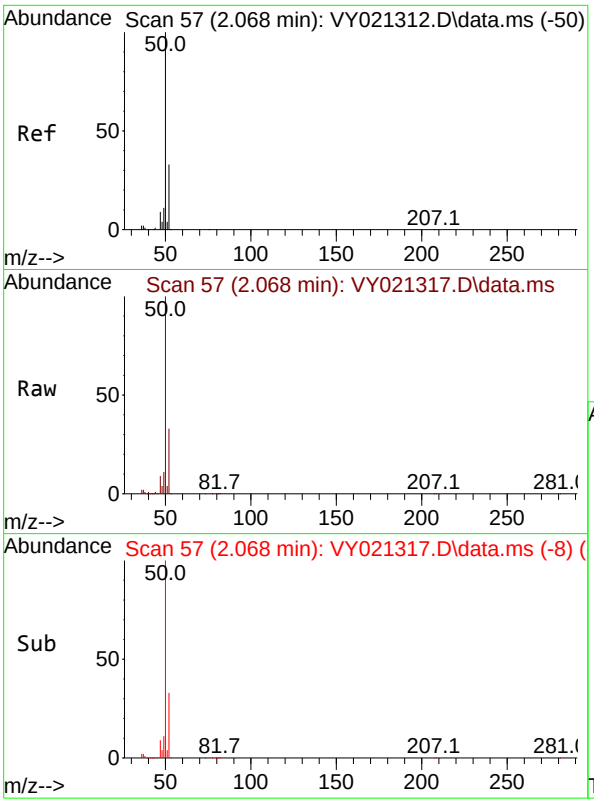




#2
Dichlorodifluoromethane
Concen: 53.871 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 85 Resp: 93894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 15.4 | 46.4 |



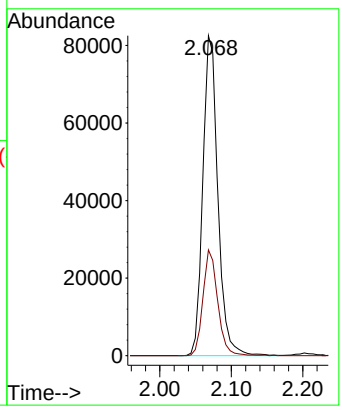


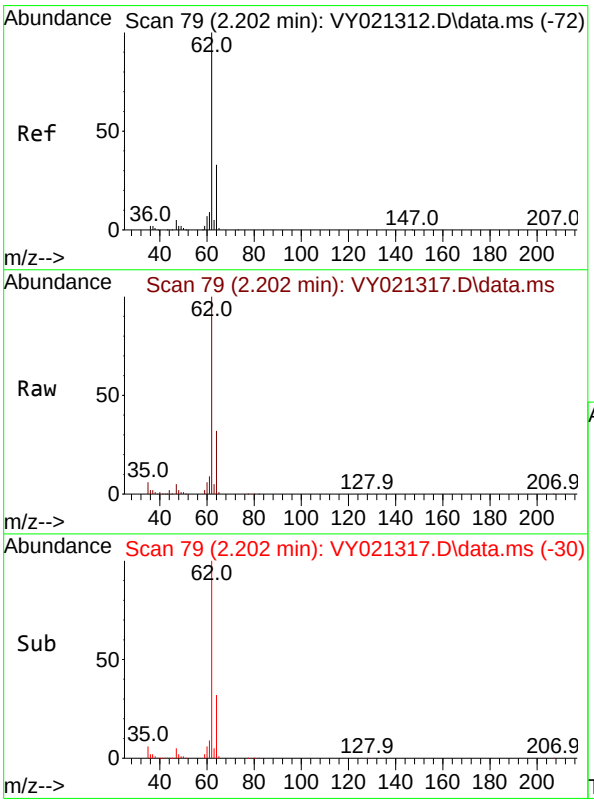

#3
Chloromethane
Concen: 53.523 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 50 Resp: 120479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.0 | 26.6 | 40.0 |

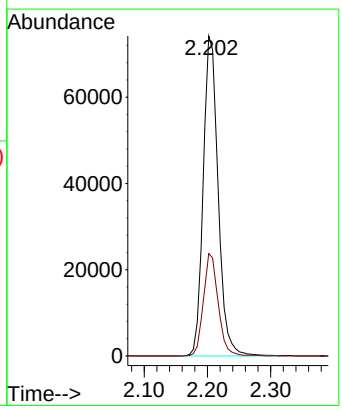


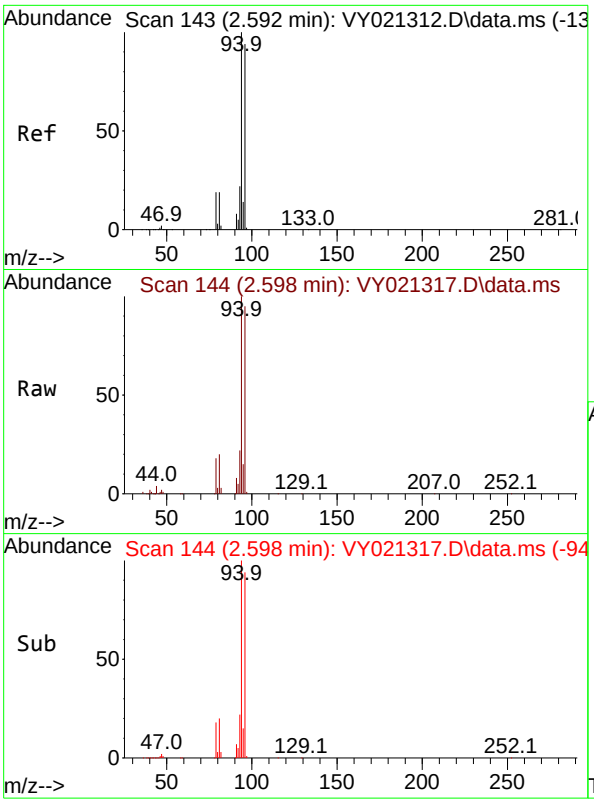




#4
Vinyl Chloride
Concen: 55.184 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 121922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 26.3 | 39.5 |



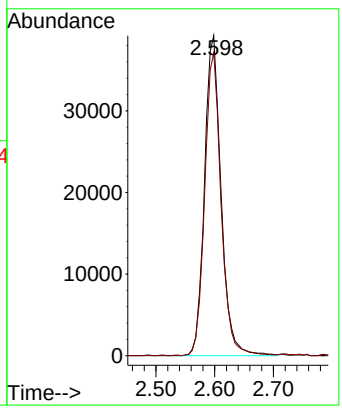


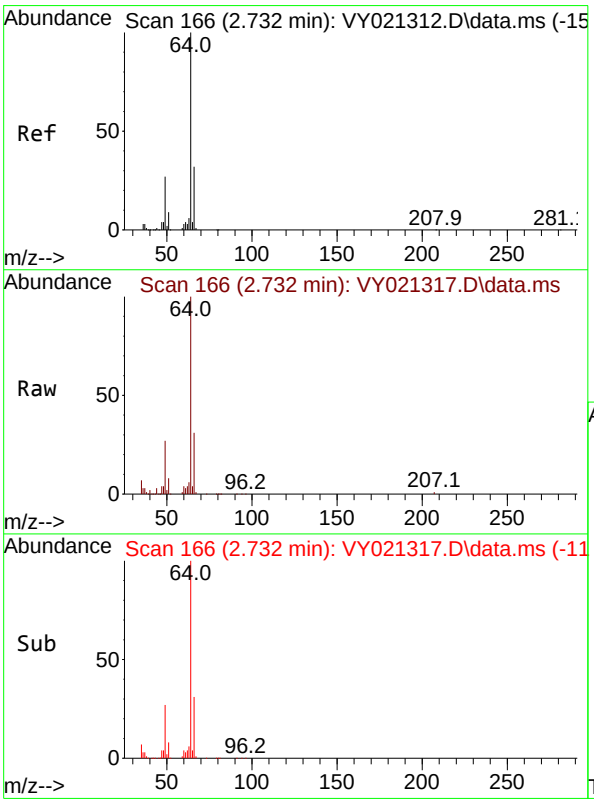

#5
Bromomethane
Concen: 52.483 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 94 Resp: 77054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.4 | 75.2 | 112.8 |

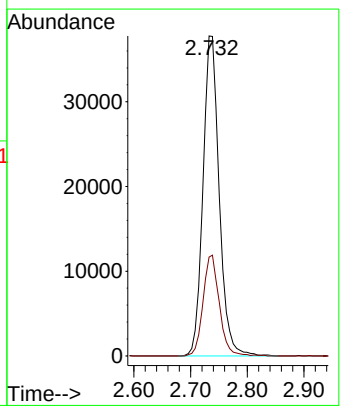


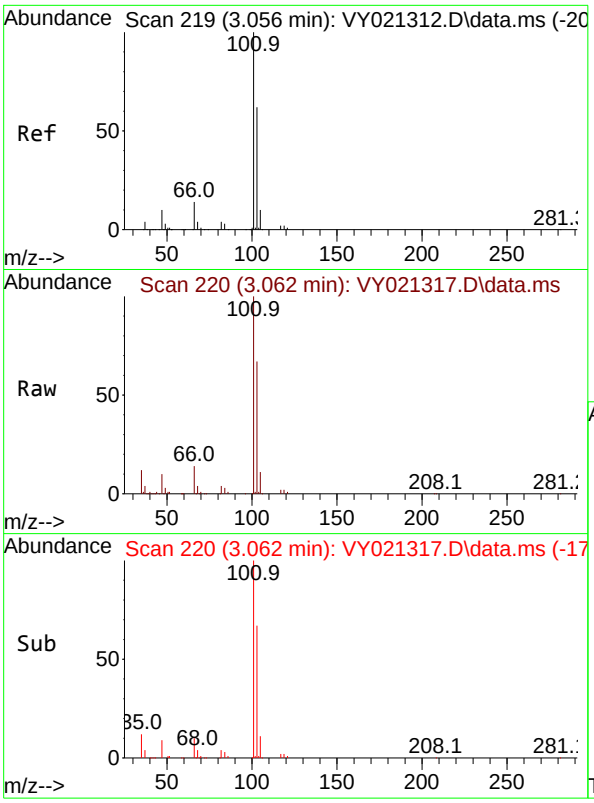




#6
Chloroethane
Concen: 54.804 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 64 Resp: 75086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.9 | 25.4 | 38.0 |



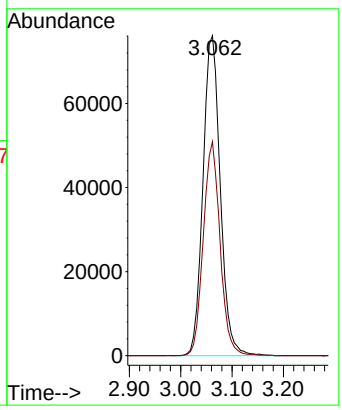


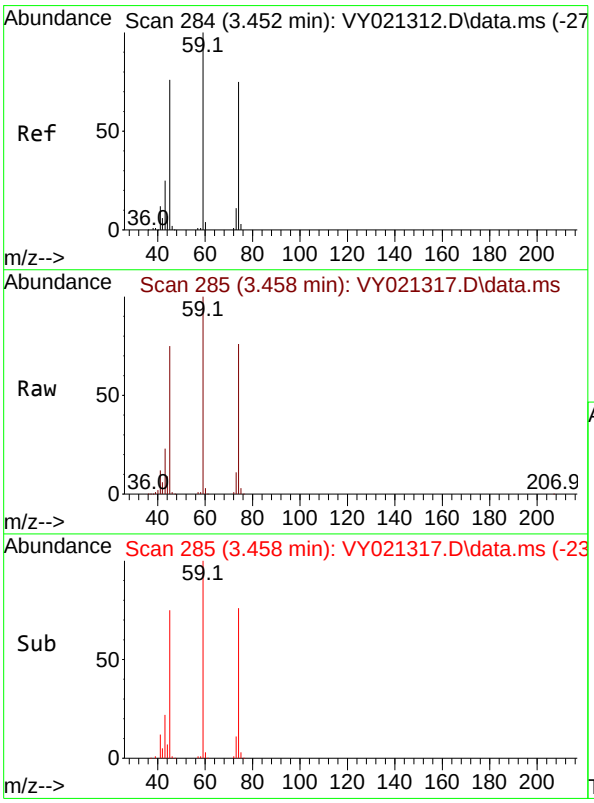

#7
Trichlorofluoromethane
Concen: 53.384 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:101 Resp: 178123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.9 | 49.7 | 74.5 |

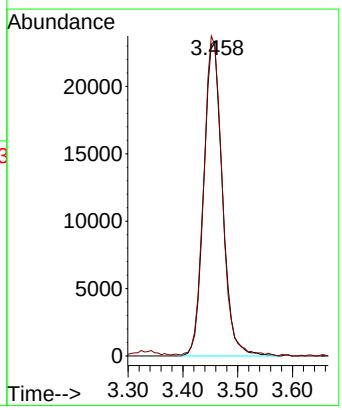


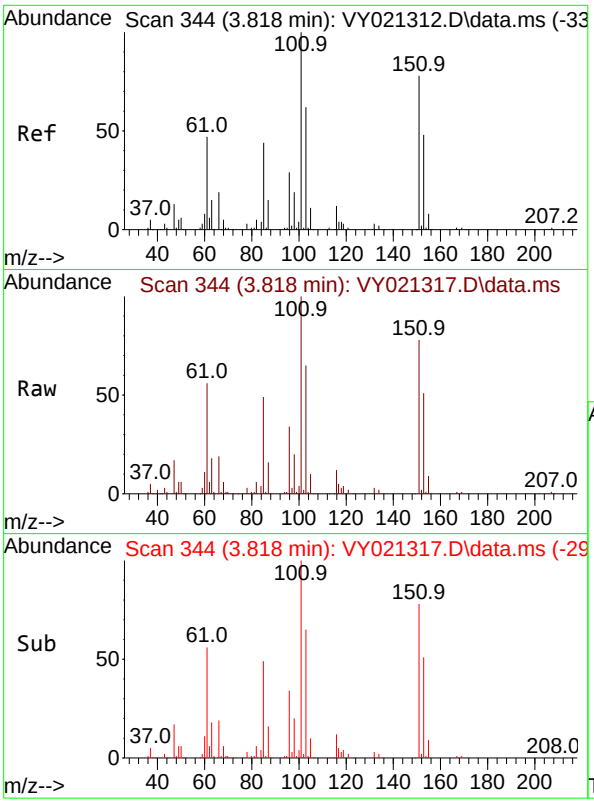




#8
Diethyl Ether
Concen: 54.849 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 74 Resp: 54929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.8 | 50.3 | 150.9 |



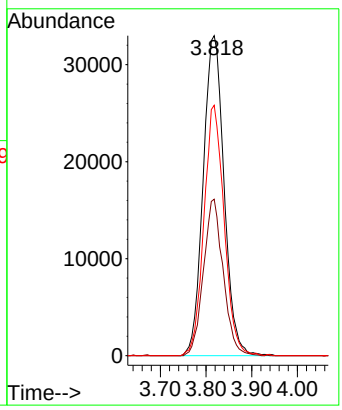


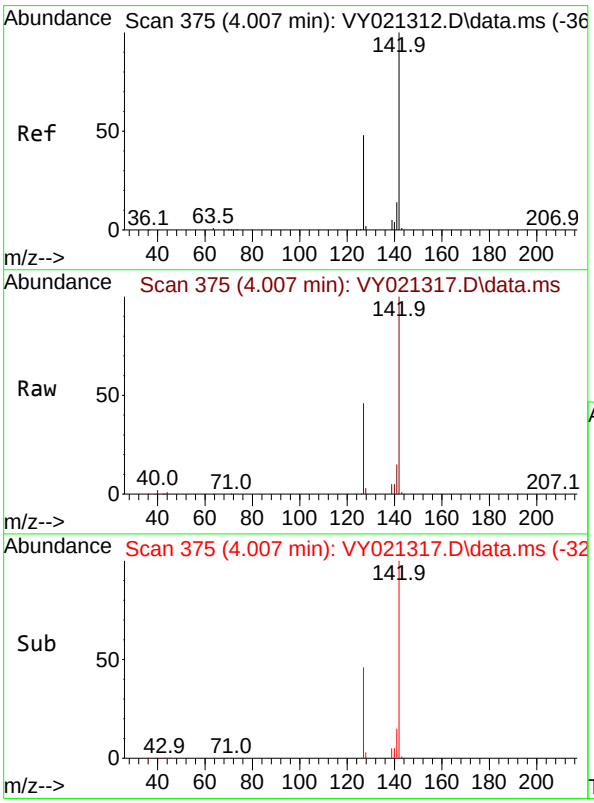

#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.188 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:101 Resp: 104678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.2 | 36.7 | 55.1 |
| 151 | 75.8 | 62.6 | 94.0 |

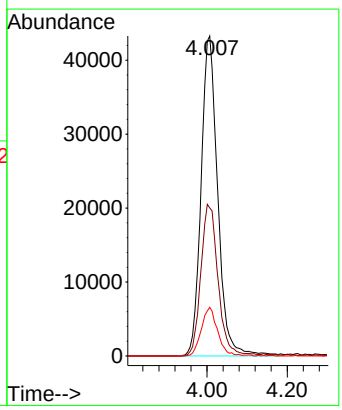


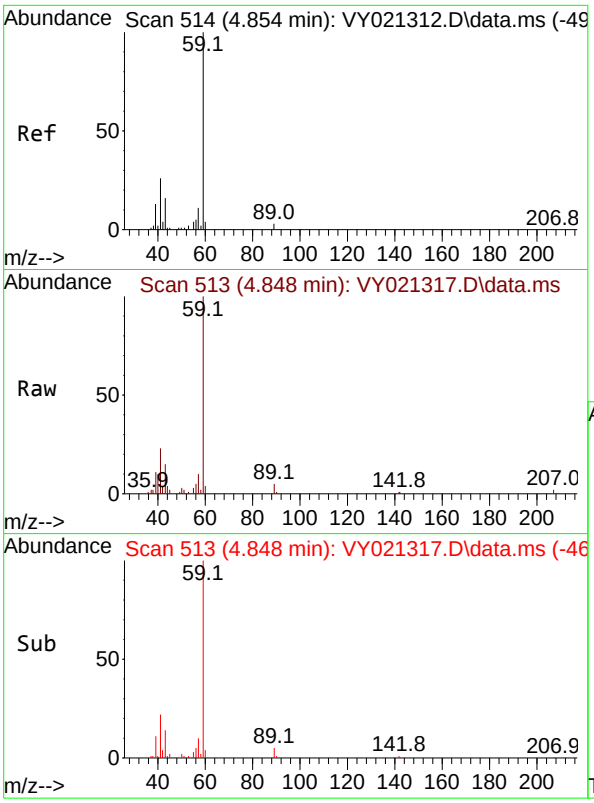




#10
Methyl Iodide
Concen: 61.361 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:142 Resp: 124707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.0 | 39.2 | 58.8 |
| 141 | 14.8 | 11.4 | 17.2 |



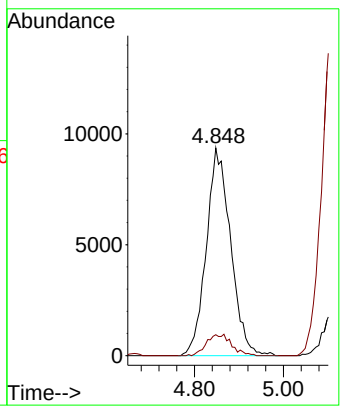


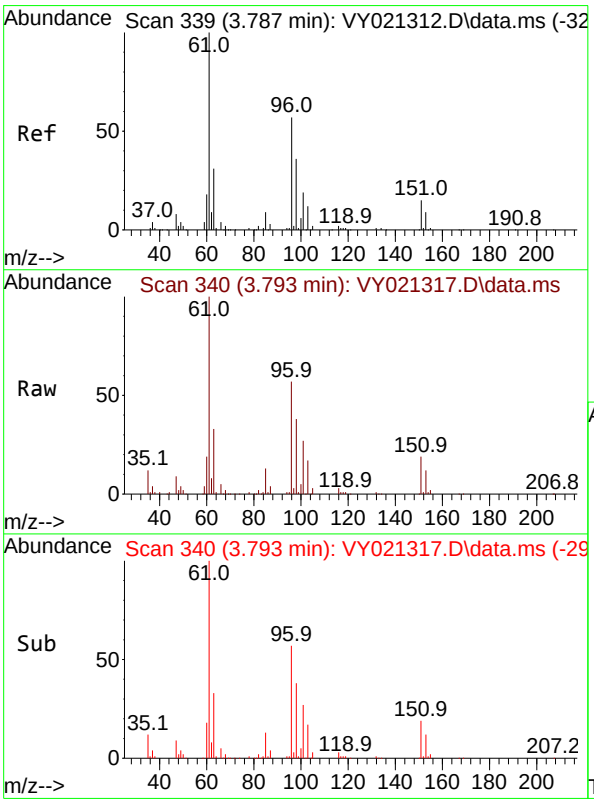

#11
Tert butyl alcohol
Concen: 221.762 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 59 Resp: 35572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.3 | 12.5 |

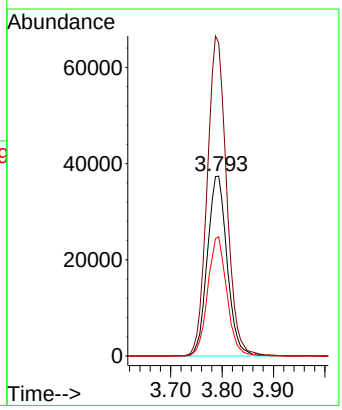


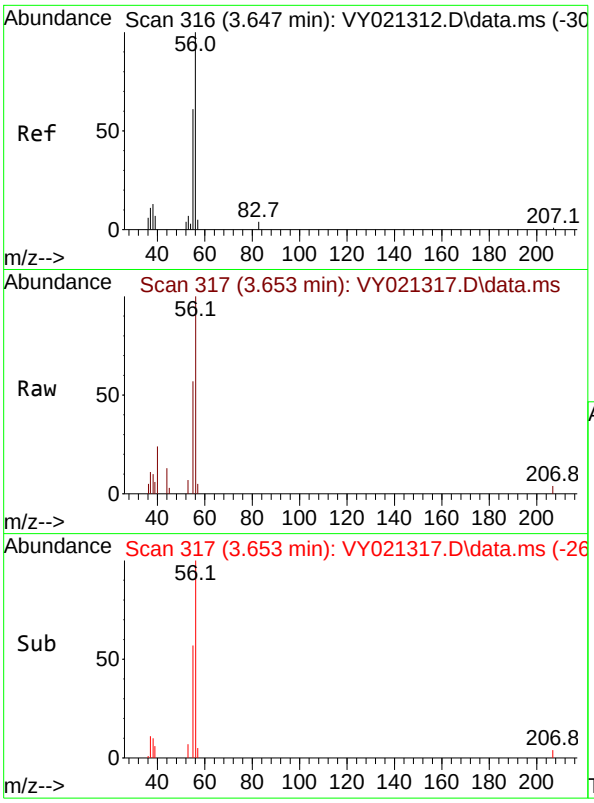




#12
1,1-Dichloroethene
Concen: 54.104 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 100075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.2 | 139.7 | 209.5 |
| 98 | 66.3 | 49.7 | 74.5 |



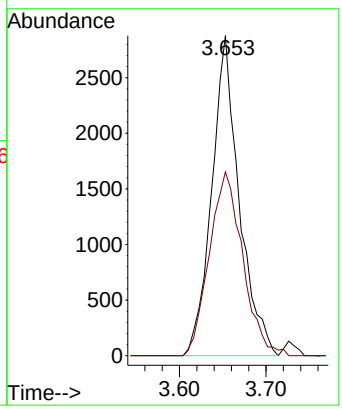


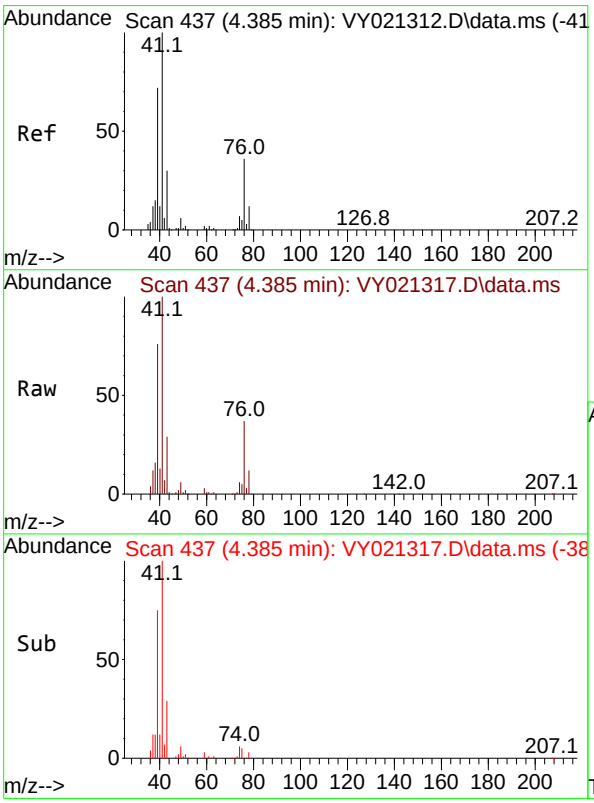

#13
Acrolein
Concen: 51.554 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 56 Resp: 6337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.9 | 59.0 | 88.6 |

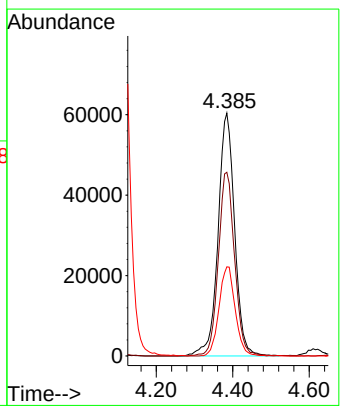


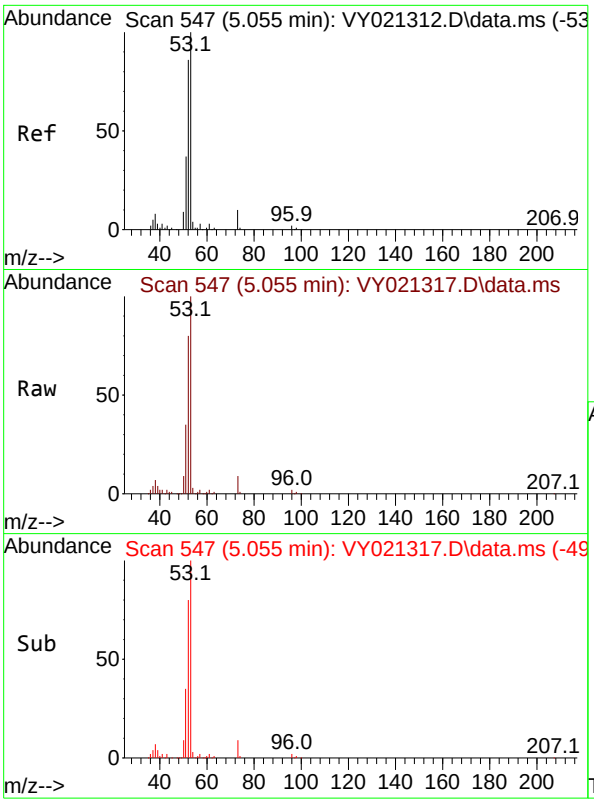




#14
Allyl chloride
Concen: 55.361 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 181554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.4 | 60.0 | 90.0 |
| 76 | 35.8 | 29.0 | 43.6 |



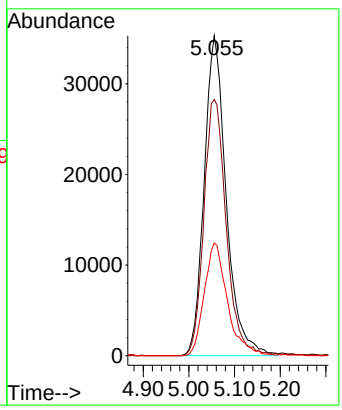


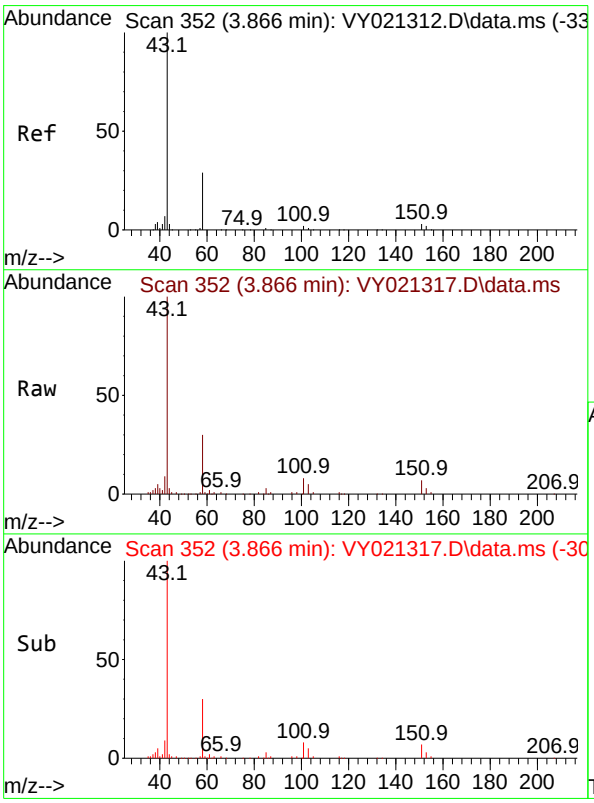

#15
Acrylonitrile
Concen: 267.274 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 53 Resp: 118343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.2 | 65.5 | 98.3 |
| 51 | 37.1 | 30.6 | 46.0 |

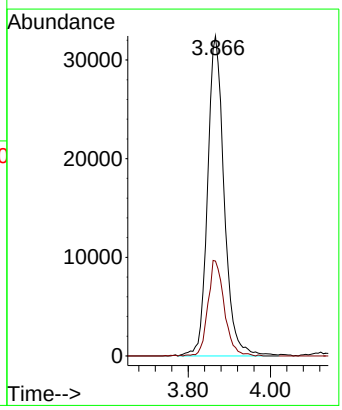


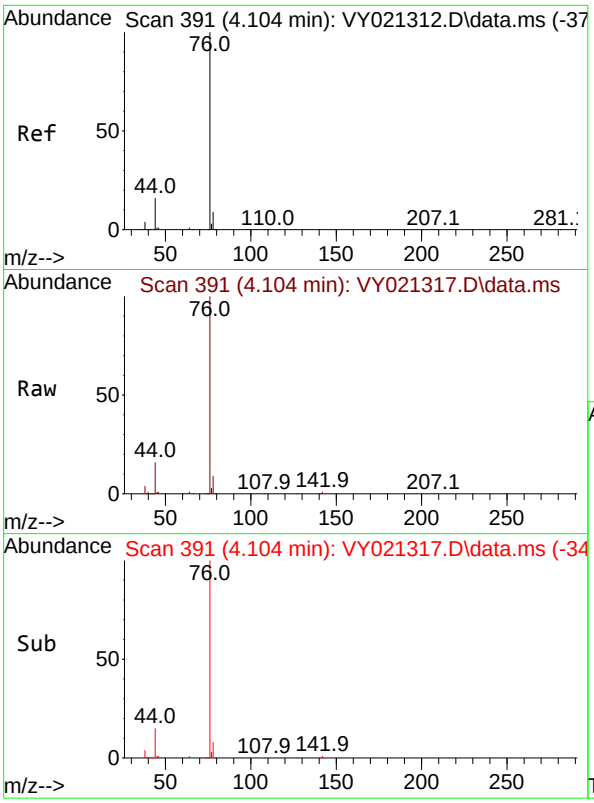




#16
Acetone
Concen: 227.197 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 90886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.7 | 23.5 | 35.3 |



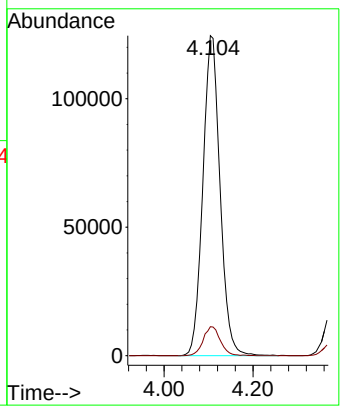


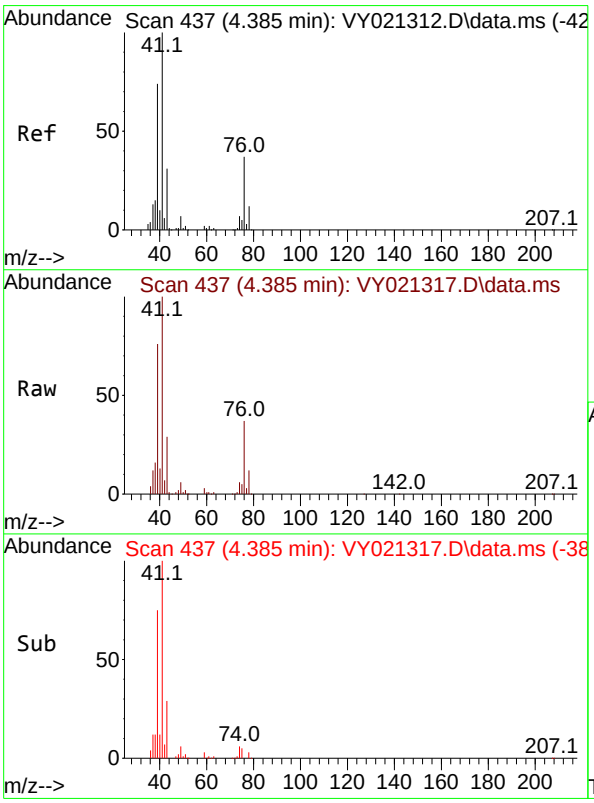

#17
Carbon Disulfide
Concen: 54.581 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 76 Resp: 335241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.1 | 10.7 |

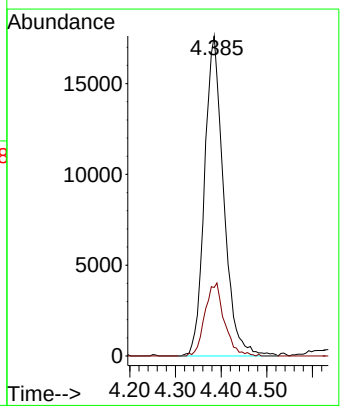


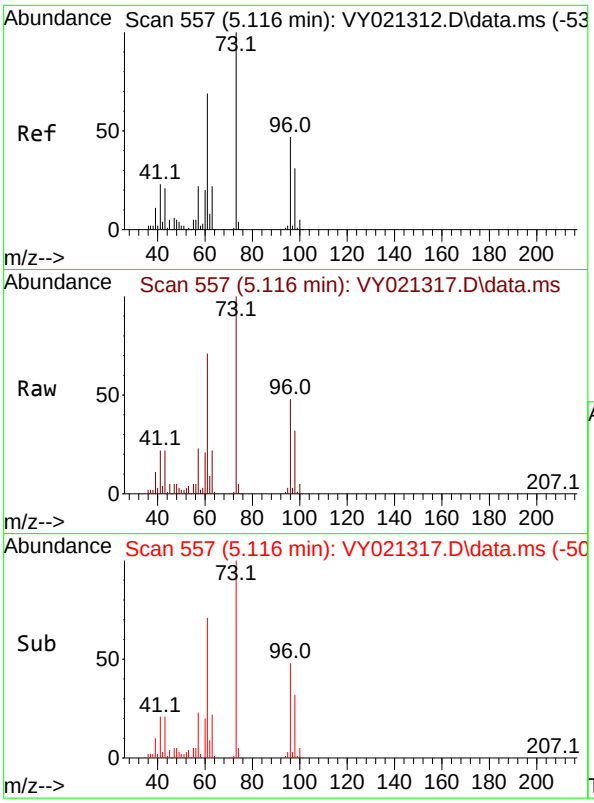




#18
Methyl Acetate
Concen: 52.372 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 51200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.2 | 17.7 | 26.5 |



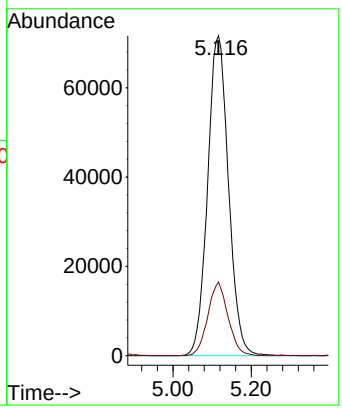


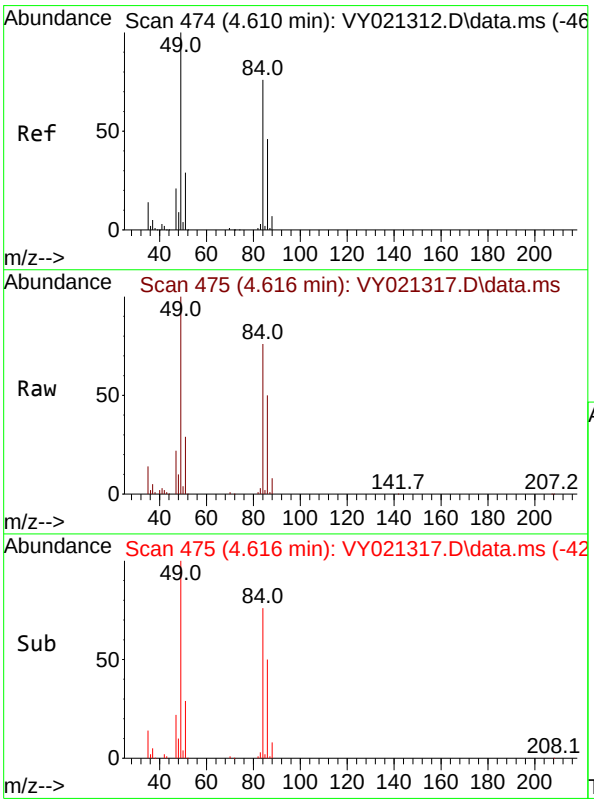

#19
Methyl tert-butyl Ether
Concen: 54.311 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 73 Resp: 265419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.0 | 17.4 | 26.0 |

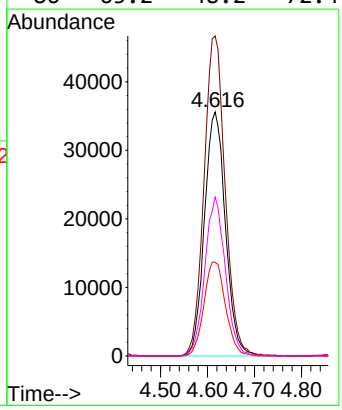


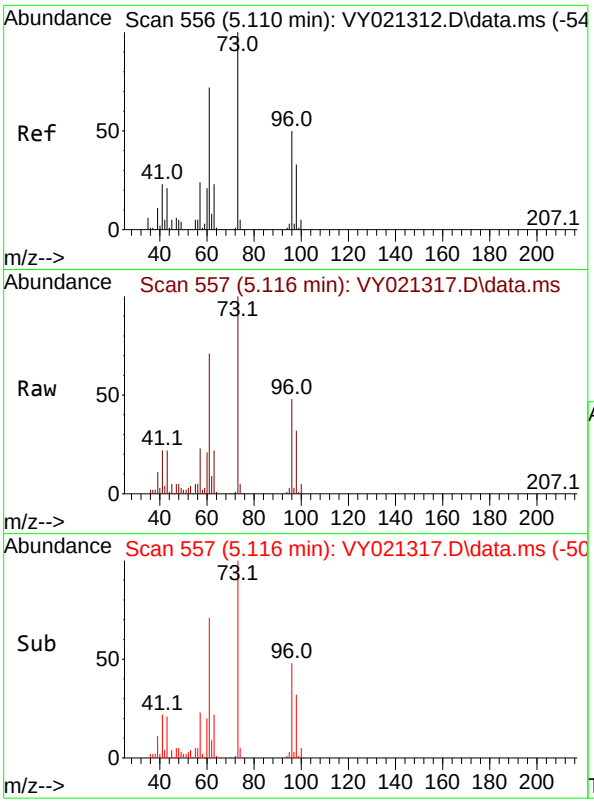




#20
Methylene Chloride
Concen: 51.062 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 84 Resp: 110456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.2 | 105.1 | 157.7 |
| 51 | 38.4 | 31.0 | 46.4 |
| 86 | 65.2 | 48.2 | 72.4 |



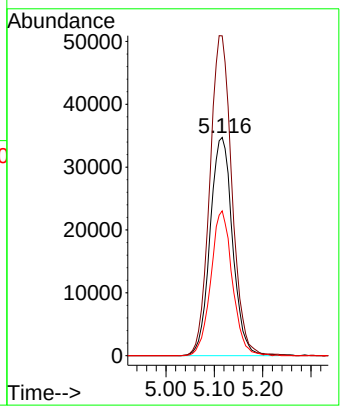


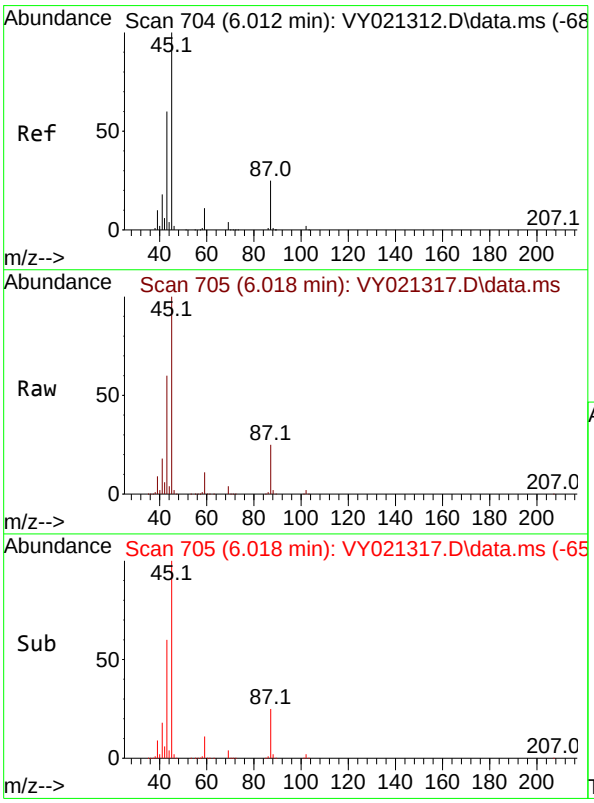

#21
trans-1,2-Dichloroethene
Concen: 55.044 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 96 Resp: 112082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.6 | 116.3 | 174.5 |
| 98 | 66.4 | 52.6 | 78.8 |

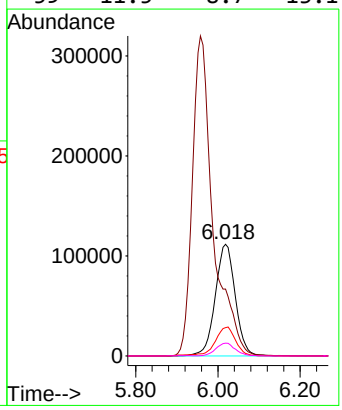


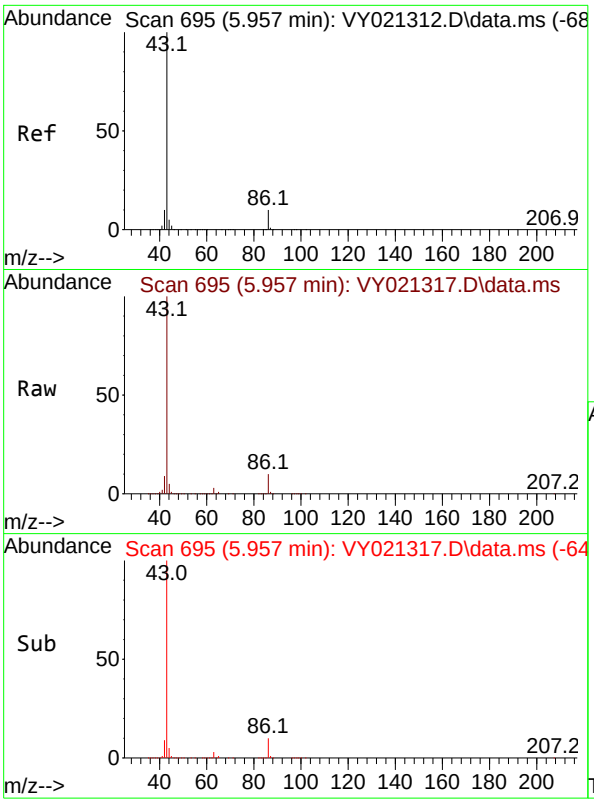




#22
Diisopropyl ether
Concen: 55.595 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 45 Resp: 377281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 59.4 | 48.2 | 72.4 |
| 87 | 25.4 | 20.3 | 30.5 |
| 59 | 11.5 | 8.7 | 13.1 |



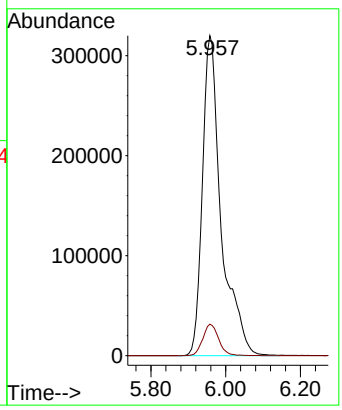


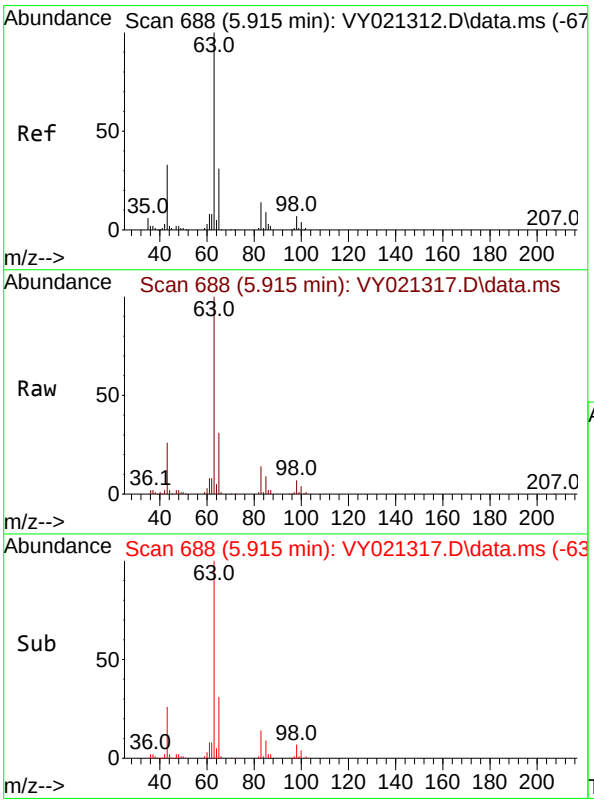

#23
Vinyl Acetate
Concen: 275.197 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 43 Resp: 1116005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.8 | 8.0 | 12.0 |

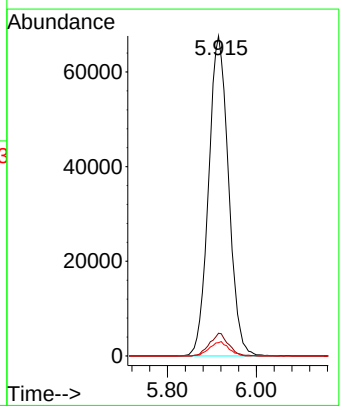


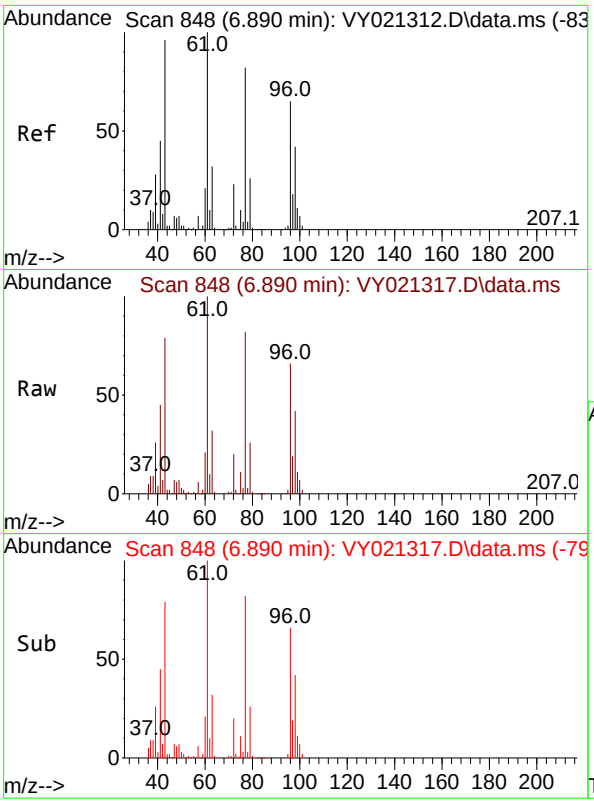




#24
1,1-Dichloroethane
Concen: 55.004 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 210383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.7 | 11.1 |
| 100 | 4.2 | 2.1 | 6.5 |



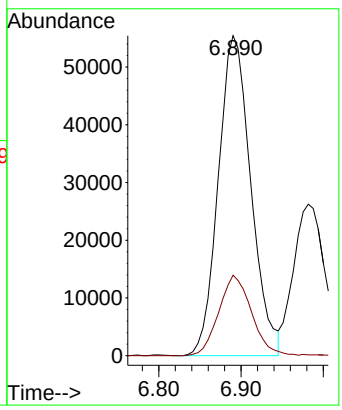


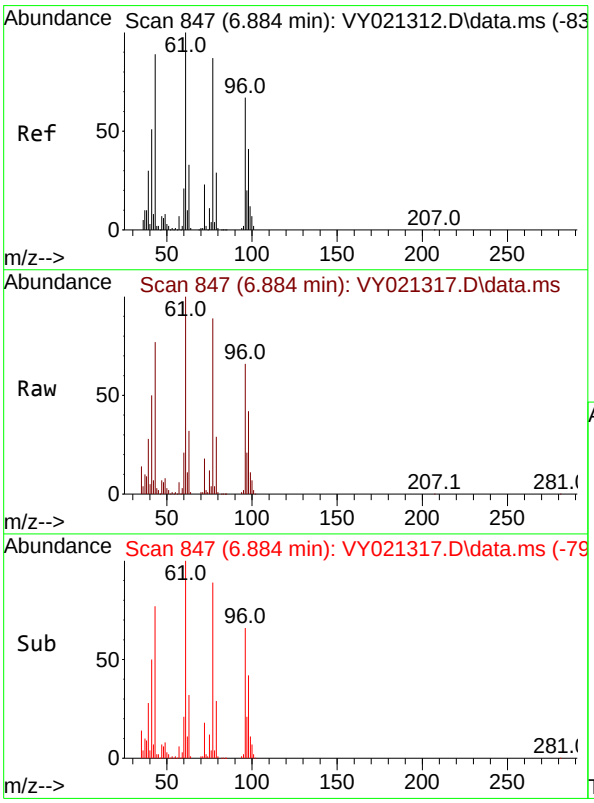

#25
2-Butanone
Concen: 253.246 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 43 Resp: 152895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 19.0 | 28.6 |

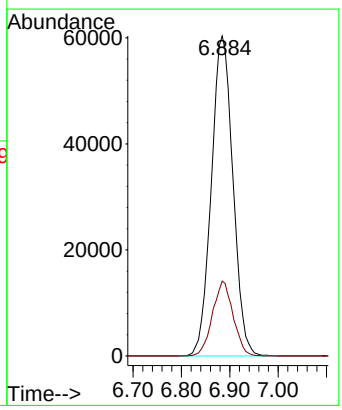


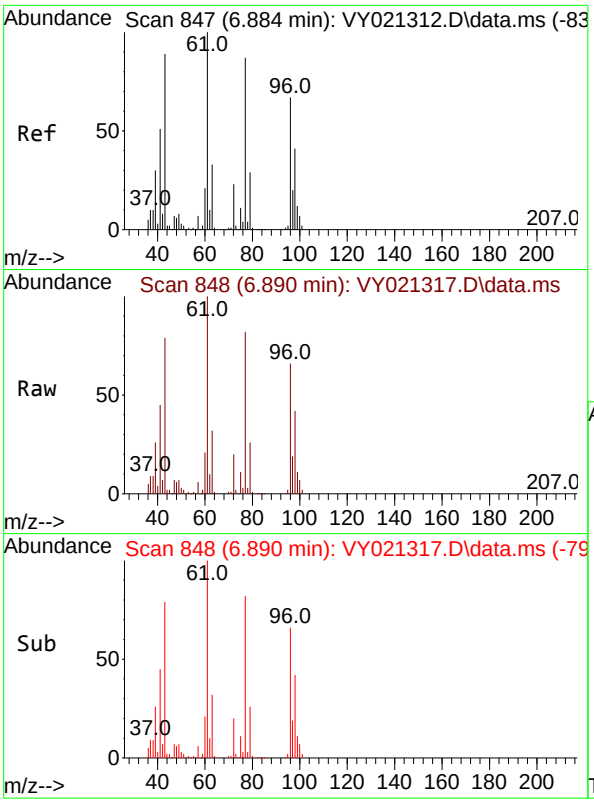




#26
2,2-Dichloropropane
Concen: 53.893 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 77 Resp: 187045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.4 | 10.9 | 32.7 |



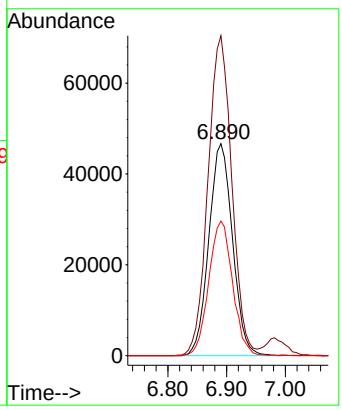


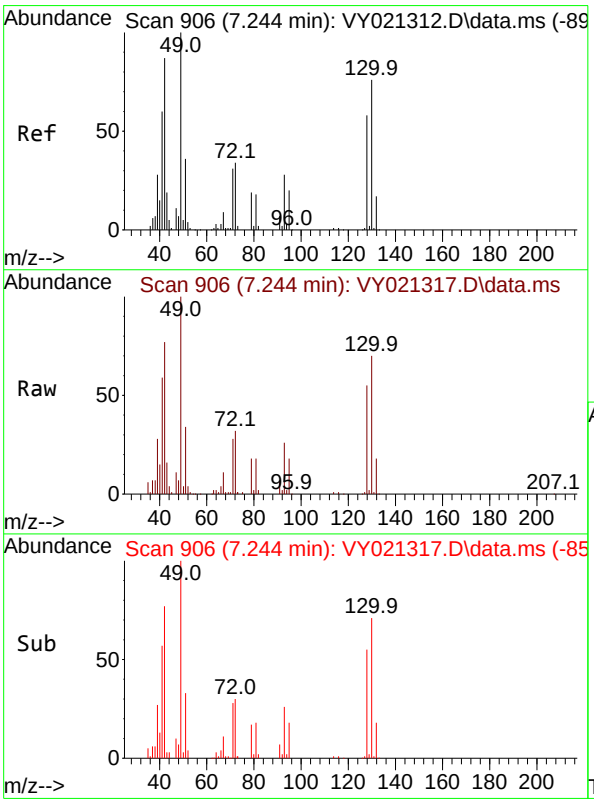

#27
cis-1,2-Dichloroethene
Concen: 56.305 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 96 Resp: 130921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.3 | 0.0 | 308.0 |
| 98 | 63.7 | 0.0 | 129.6 |

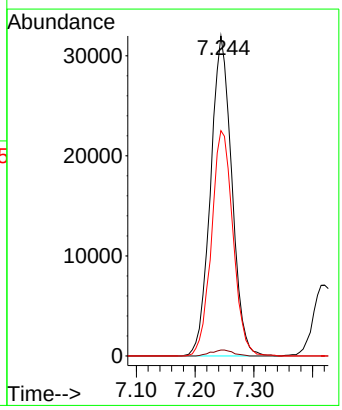


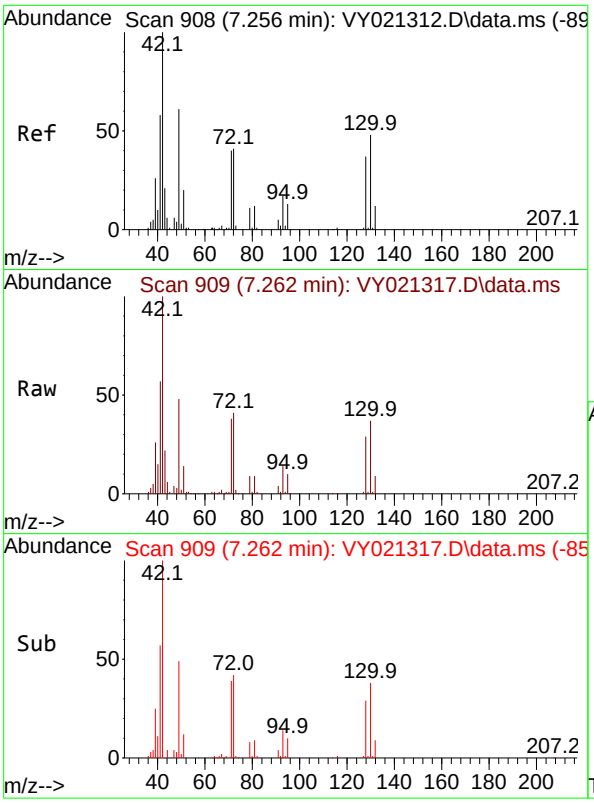




#28
Bromochloromethane
Concen: 47.452 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 49 Resp: 80309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 71.5 | 57.8 | 86.6 |



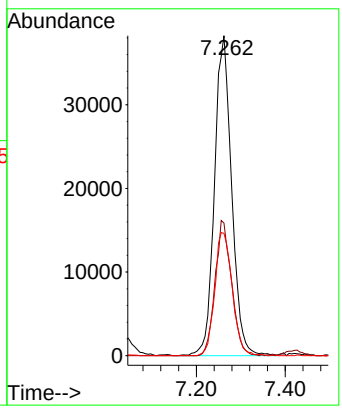


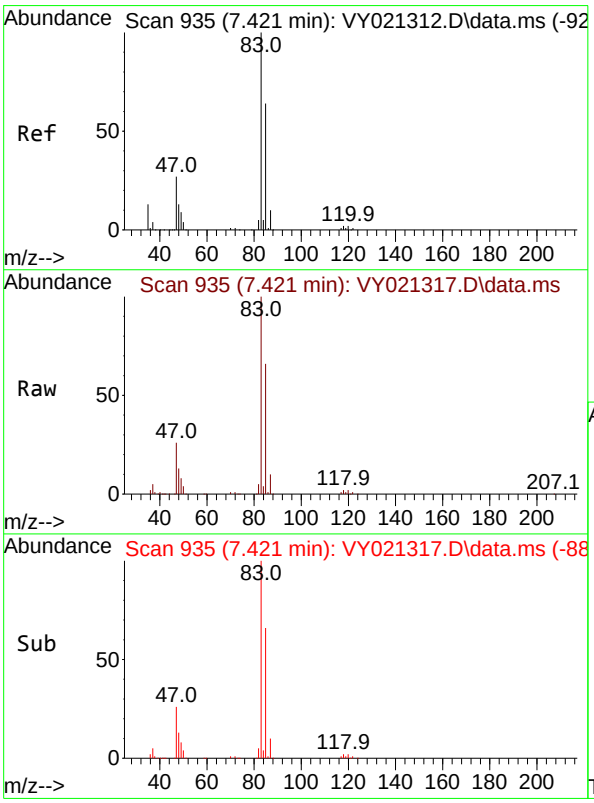

#29
Tetrahydrofuran
Concen: 260.172 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 42 Resp: 102673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.4 | 33.1 | 49.7 |
| 71 | 39.2 | 31.4 | 47.0 |

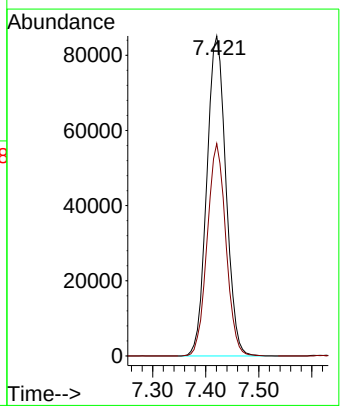


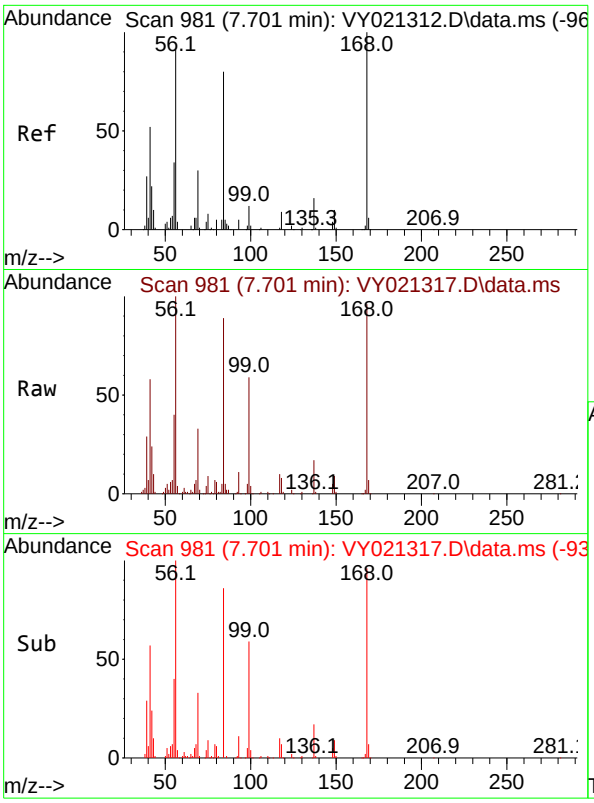




#30
Chloroform
Concen: 55.023 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 213255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.3 | 51.6 | 77.4 |



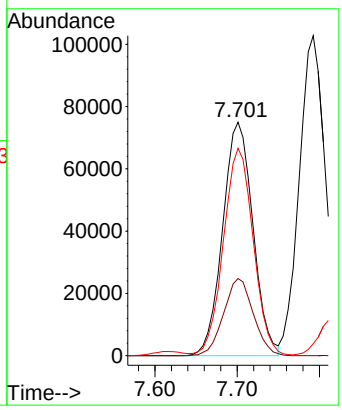


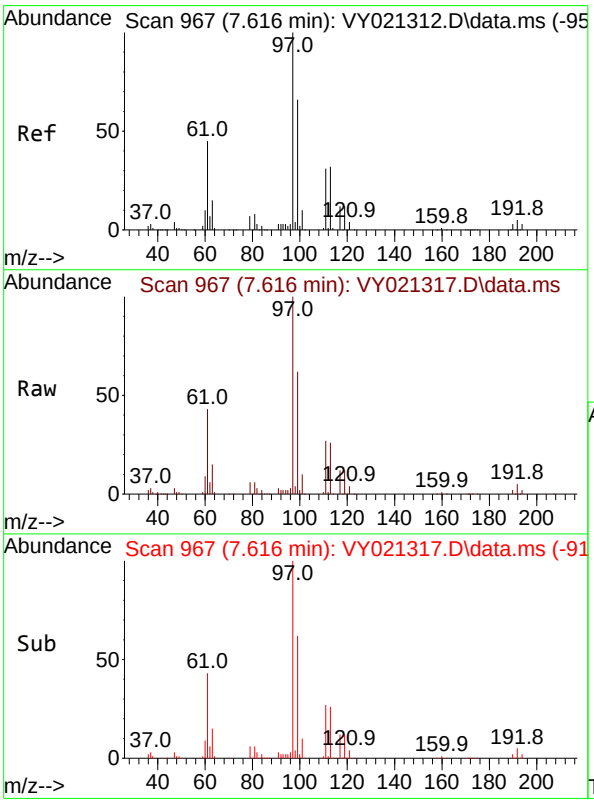

#31
Cyclohexane
Concen: 52.180 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 56 Resp: 191850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.0 | 26.2 | 39.4 |
| 84 | 87.3 | 70.2 | 105.4 |

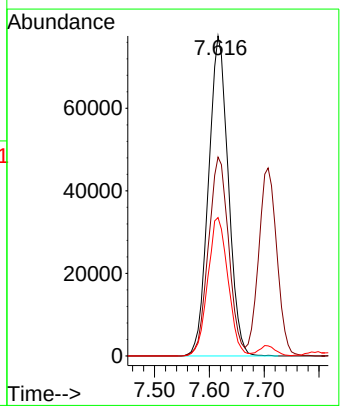


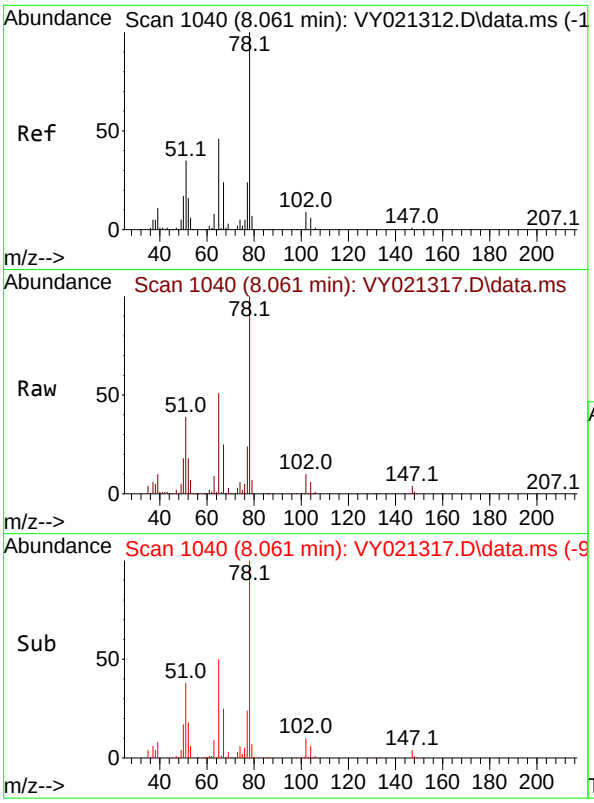




#32
1,1,1-Trichloroethane
Concen: 55.084 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 194325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 52.4 | 78.6 |
| 61 | 44.3 | 36.2 | 54.2 |



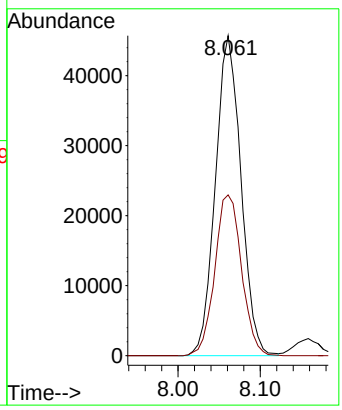


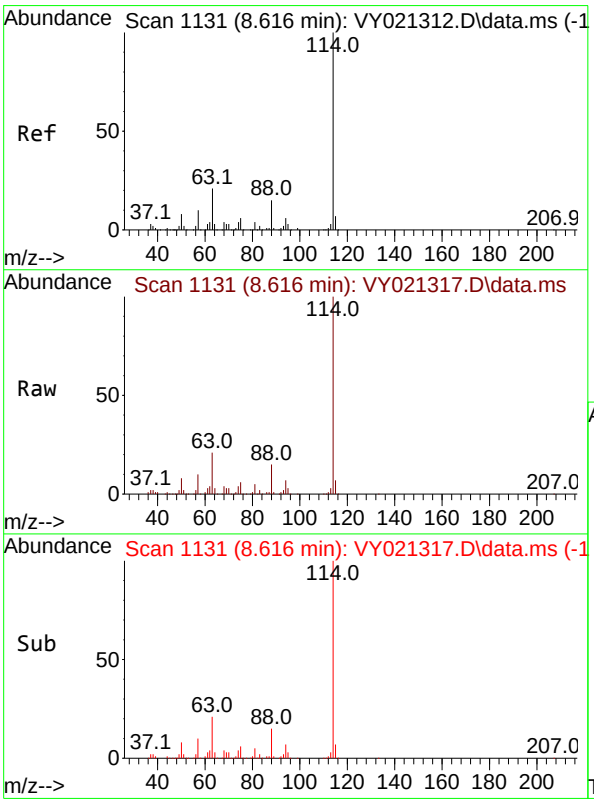

#33
1,2-Dichloroethane-d4
Concen: 47.453 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 65 Resp: 98960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 103.6 |

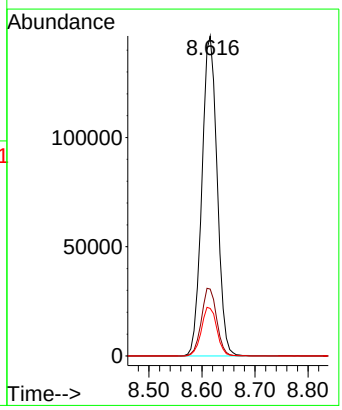


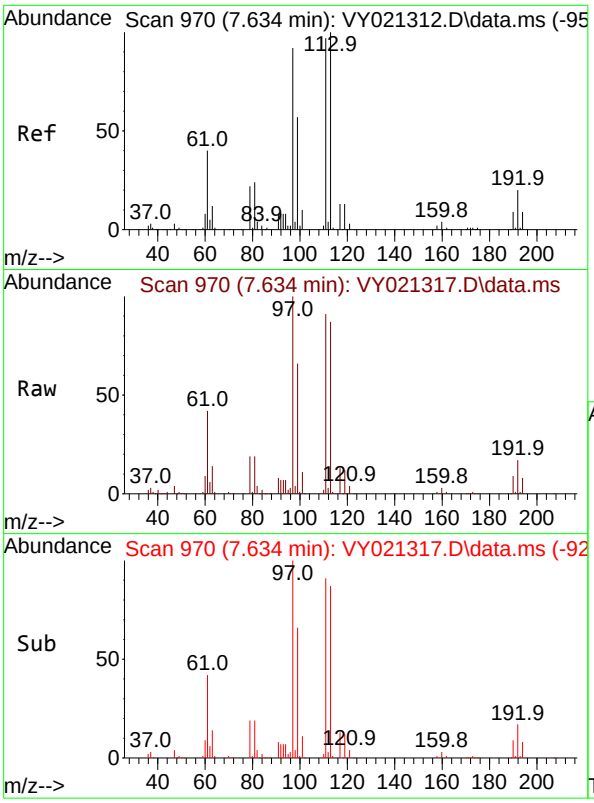




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:114 Resp: 292214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 42.2 |
| 88 | 14.9 | 0.0 | 29.8 |



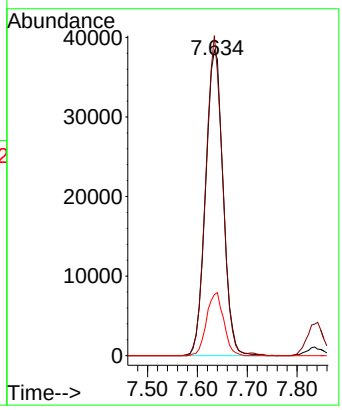


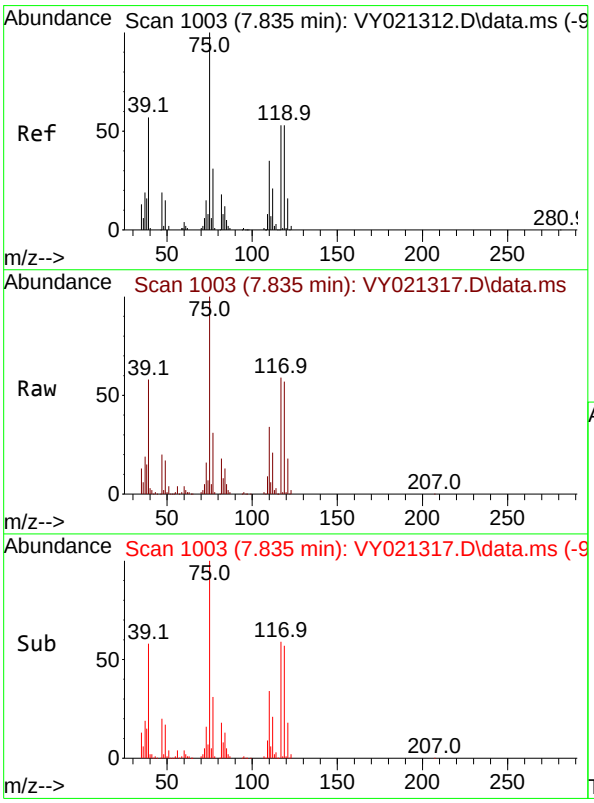

#35
Dibromofluoromethane
Concen: 49.037 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:113 Resp: 93944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.0 | 81.0 | 121.6 |
| 192 | 20.1 | 15.8 | 23.8 |

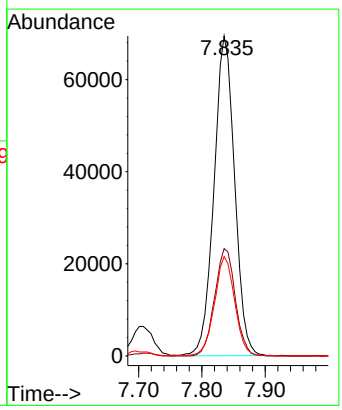


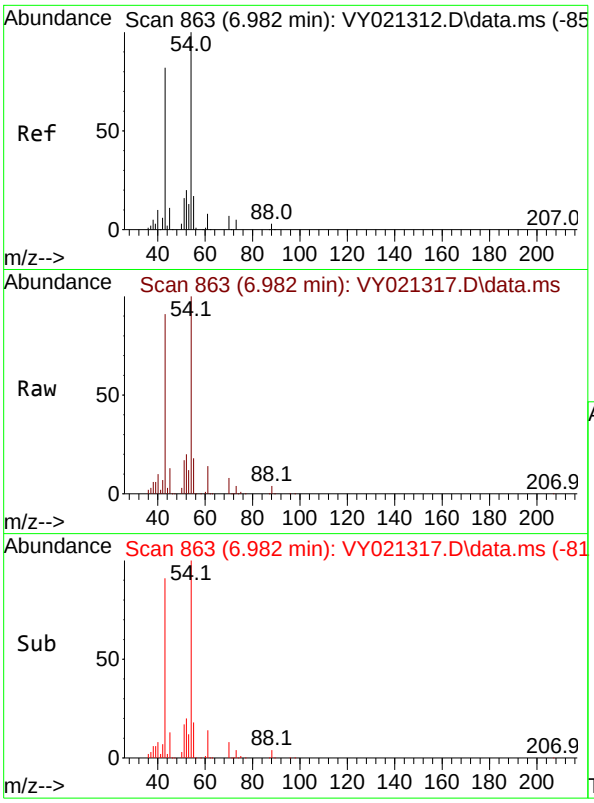




#36
1,1-Dichloropropene
Concen: 54.593 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 157102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.6 | 16.9 | 50.7 |
| 77 | 30.7 | 24.6 | 36.8 |



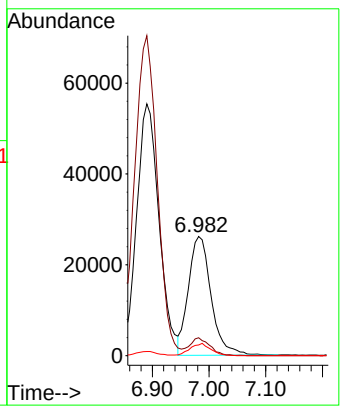


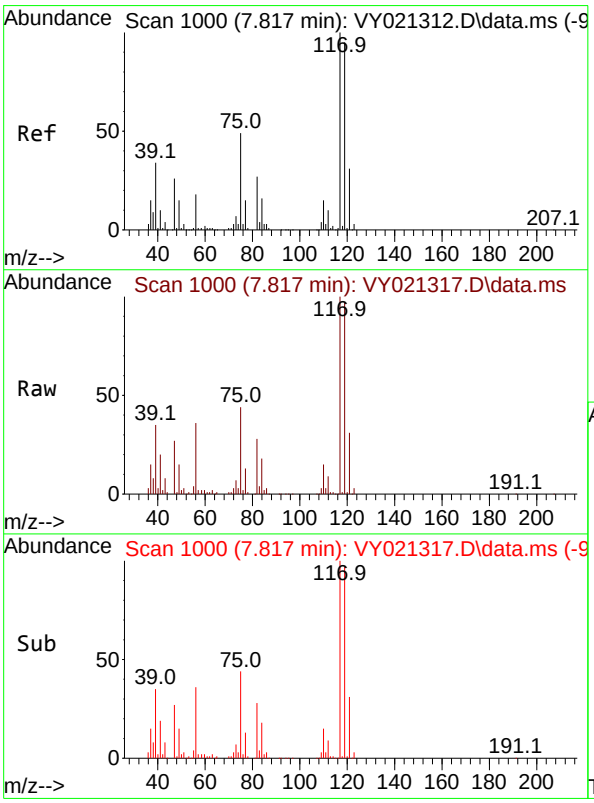

#37
Ethyl Acetate
Concen: 50.864 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 43 Resp: 72810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 10.4 | 15.6 |
| 70 | 9.4 | 7.5 | 11.3 |

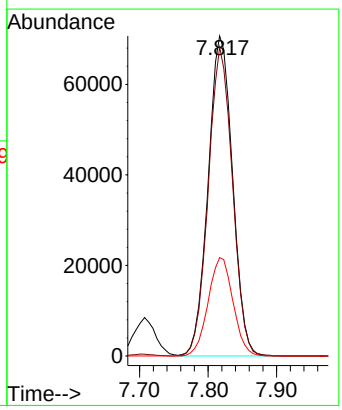


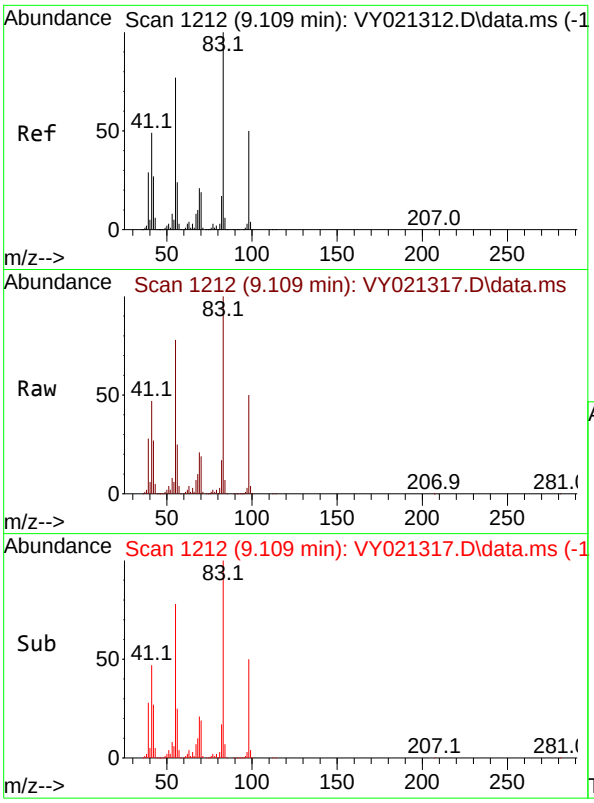




#38
Carbon Tetrachloride
Concen: 54.157 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 175208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.4 | 76.0 | 114.0 |
| 121 | 30.8 | 24.9 | 37.3 |



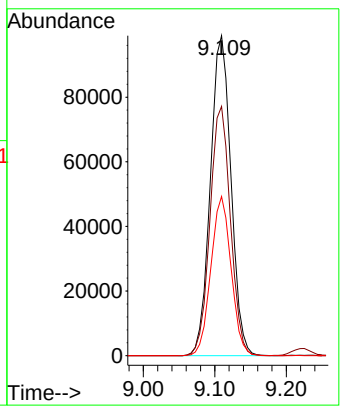


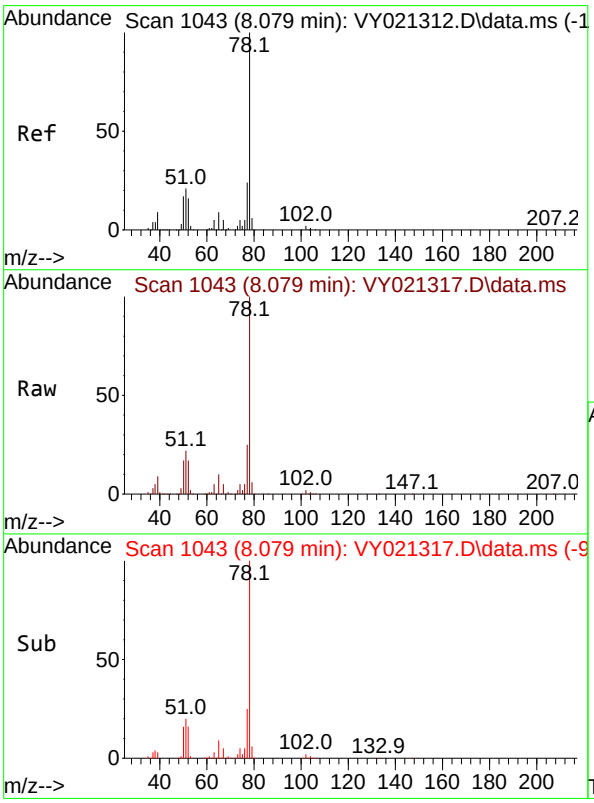

#39
Methylcyclohexane
Concen: 54.397 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 83 Resp: 197993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.9 | 61.3 | 91.9 |
| 98 | 49.7 | 39.9 | 59.9 |

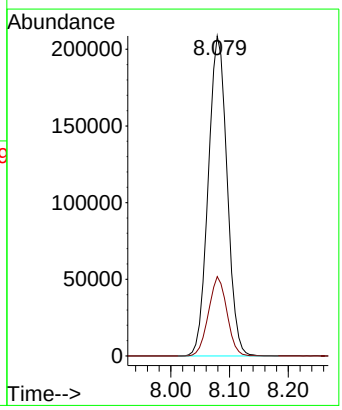


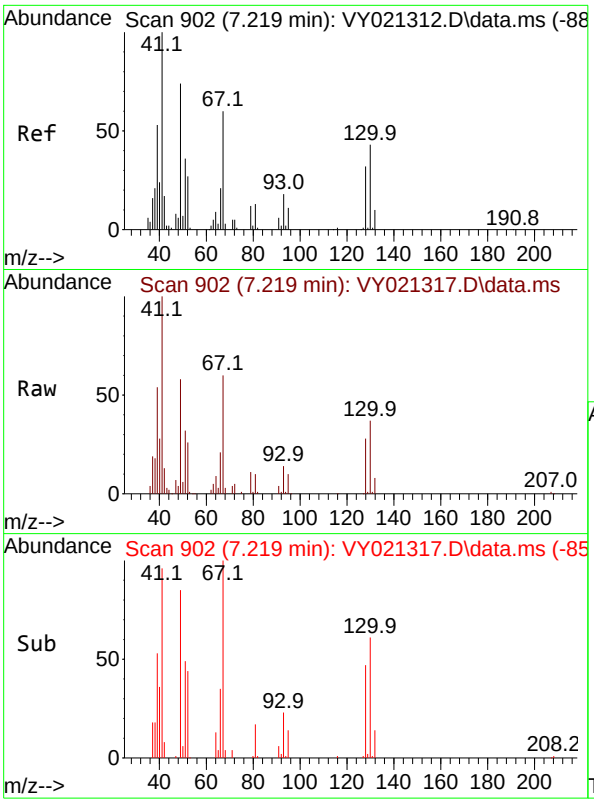




#40
Benzene
Concen: 54.583 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 78 Resp: 464323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.8 | 19.2 | 28.8 |



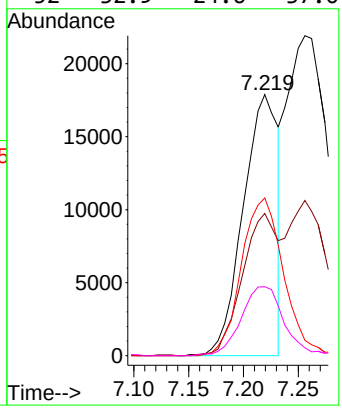


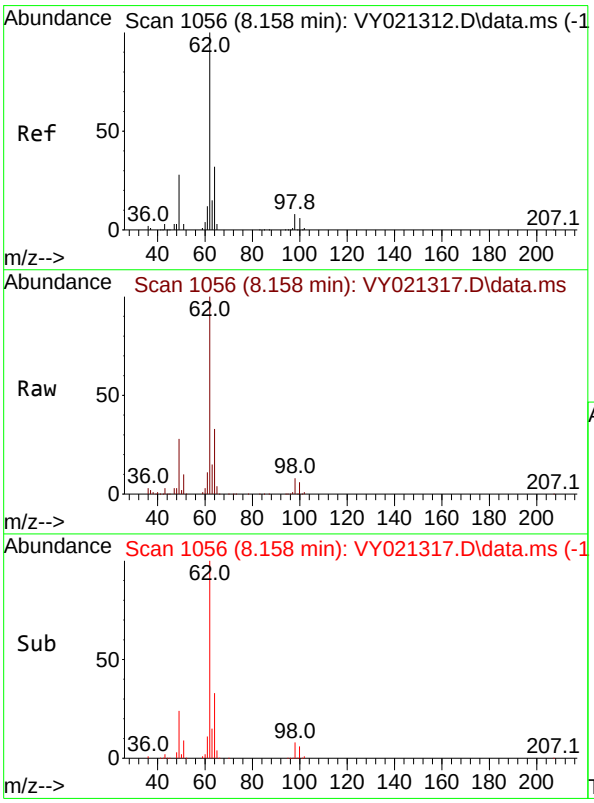

#41
Methacrylonitrile
Concen: 49.244 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 41 Resp: 39412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.9 | 42.3 | 63.5 |
| 67 | 73.3 | 54.8 | 82.2 |
| 52 | 32.9 | 24.6 | 37.0 |

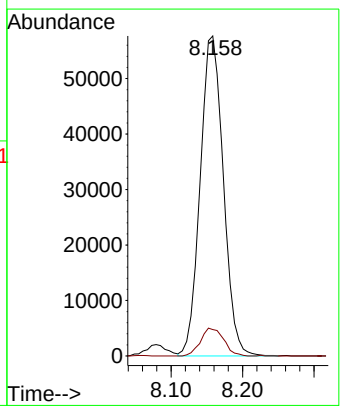


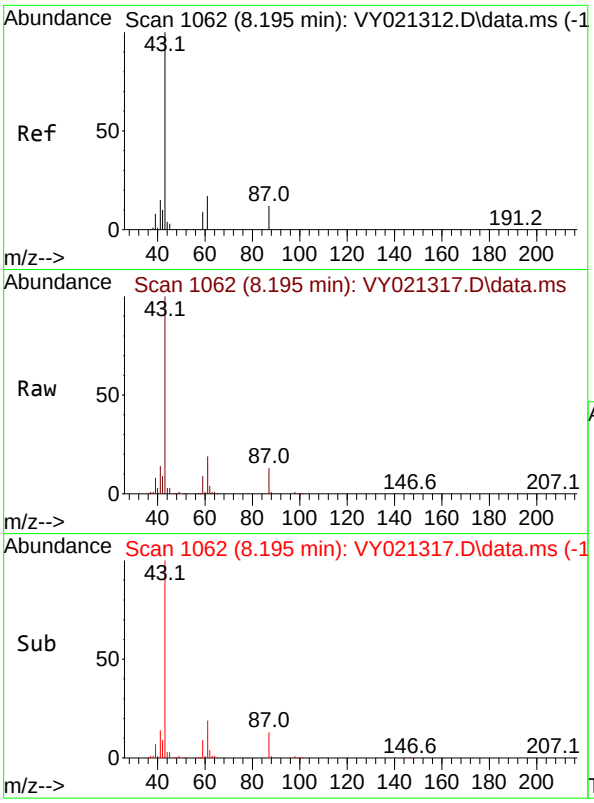




#42
1,2-Dichloroethane
Concen: 53.746 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 129718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.6 |



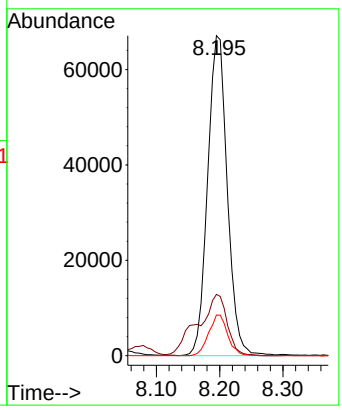


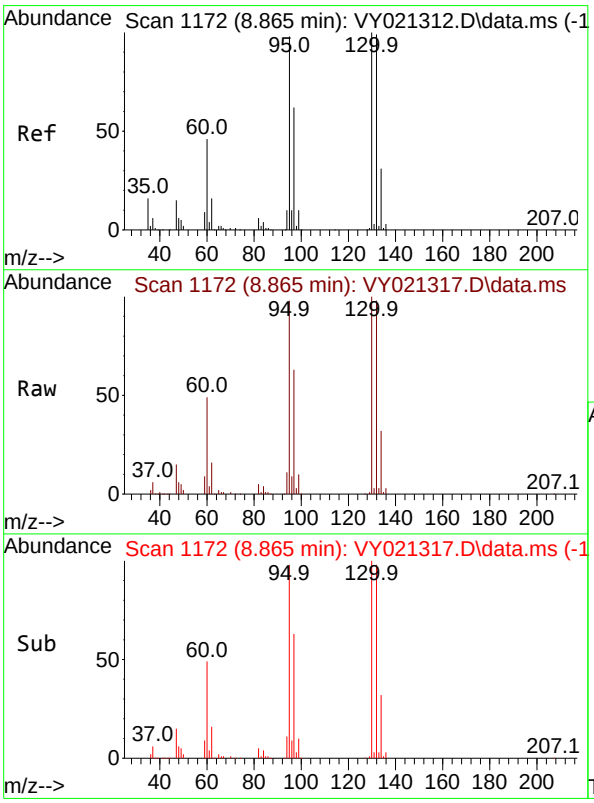

#43
Isopropyl Acetate
Concen: 52.380 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 43 Resp: 145128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 28.5 | 15.0 | 22.6# |
| 87 | 12.3 | 10.0 | 15.0 |

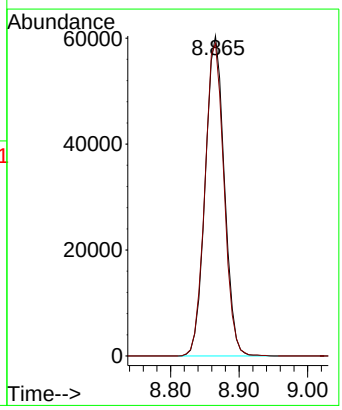


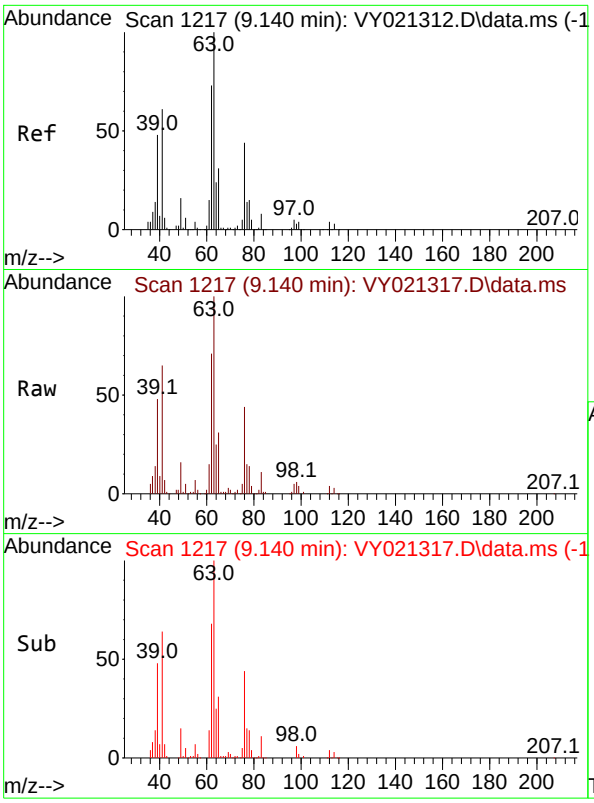




#44
Trichloroethene
Concen: 54.930 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:130 Resp: 116988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.7 | 0.0 | 196.0 |



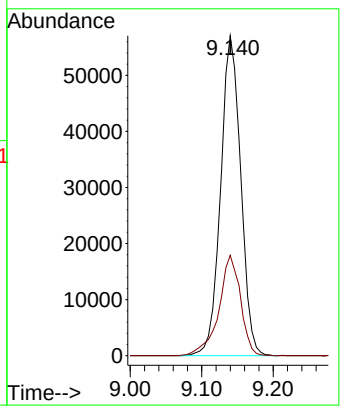


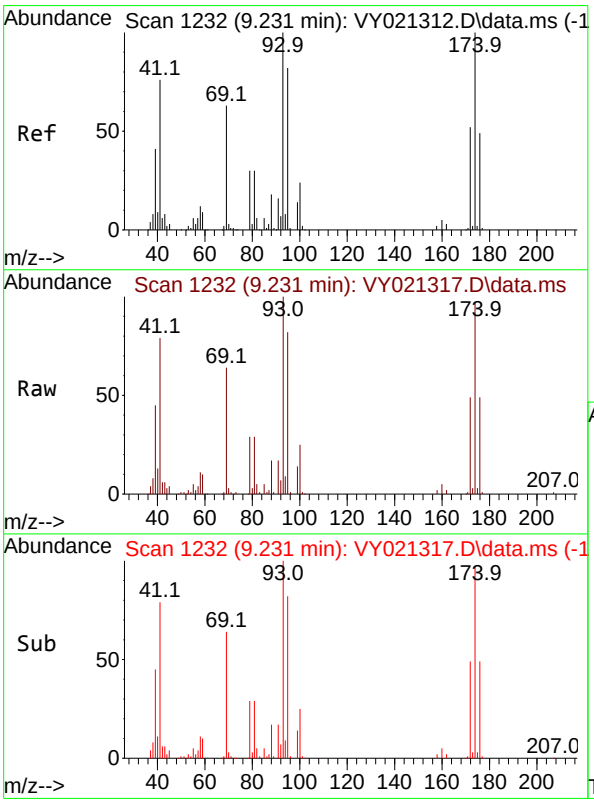

#45
1,2-Dichloropropane
Concen: 54.464 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 63 Resp: 111498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 24.6 | 36.8 |

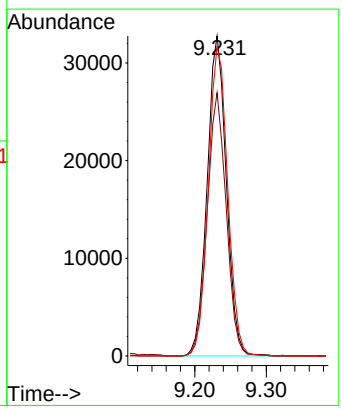


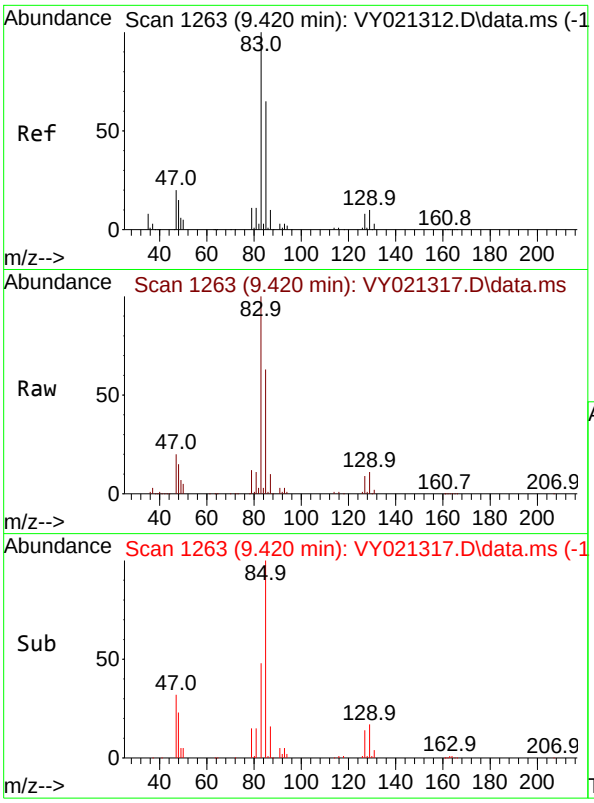




#46
Dibromomethane
Concen: 54.539 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 93 Resp: 61031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.4 | 66.4 | 99.6 |
| 174 | 98.0 | 78.2 | 117.2 |



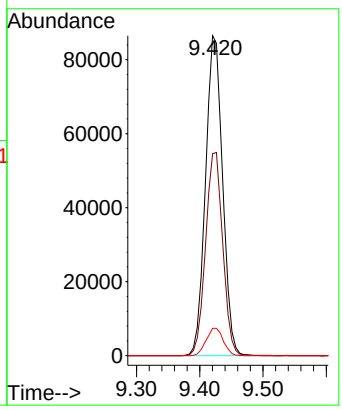


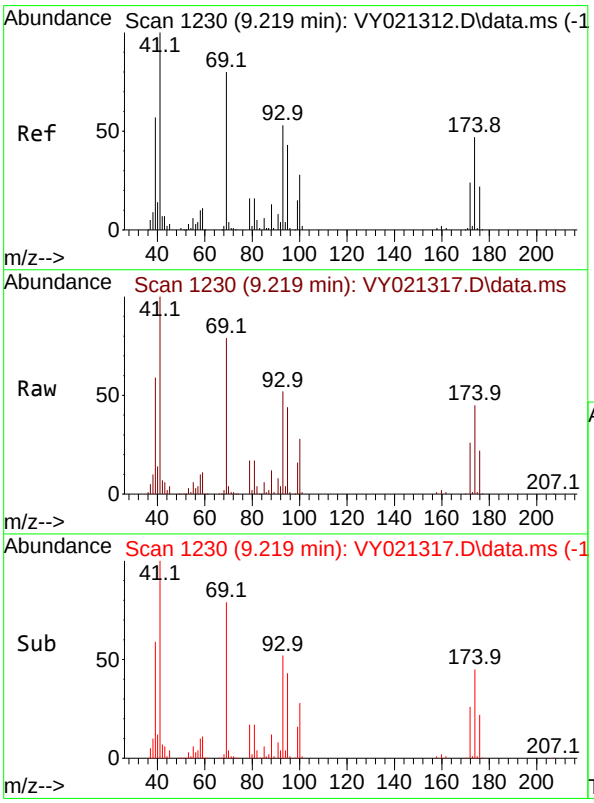

#47
Bromodichloromethane
Concen: 54.489 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 83 Resp: 162580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 51.8 | 77.8 |
| 127 | 8.5 | 6.7 | 10.1 |

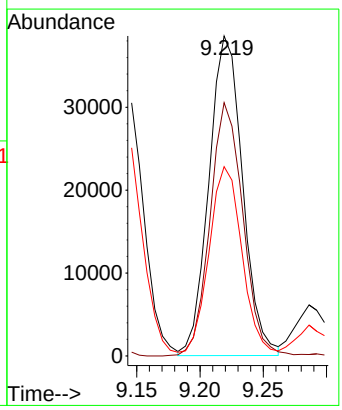


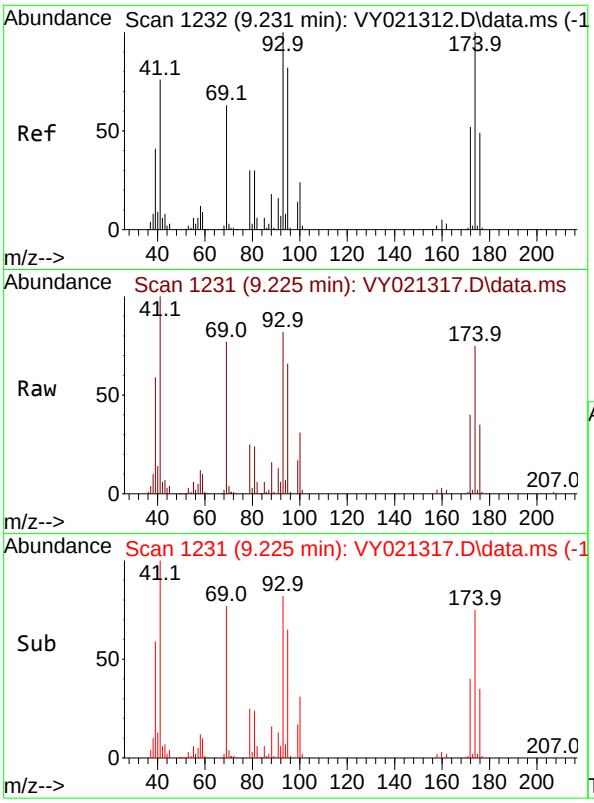




#48
Methyl methacrylate
Concen: 55.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 71360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.6 | 63.3 | 94.9 |
| 39 | 56.2 | 45.0 | 67.6 |



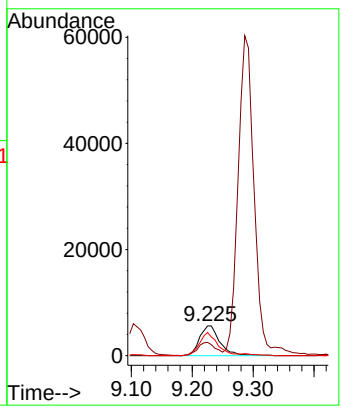


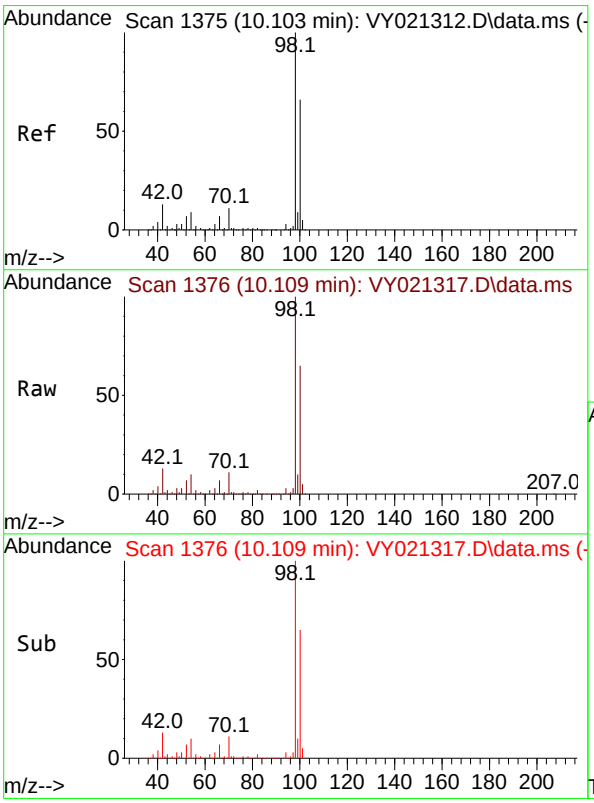

#49
1,4-Dioxane
Concen: 1053.076 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 88 Resp: 13103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.5 | 34.8 | 52.2 |
| 58 | 69.6 | 59.8 | 89.6 |

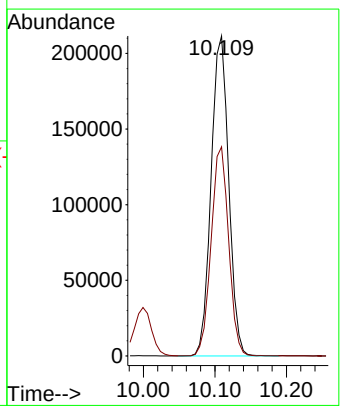


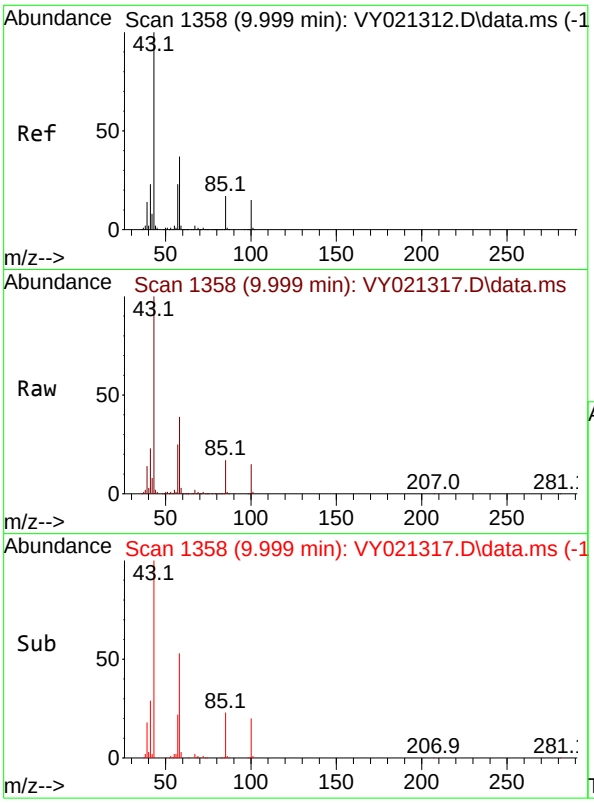




#50
Toluene-d8
Concen: 48.694 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 98 Resp: 360528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 52.4 | 78.6 |



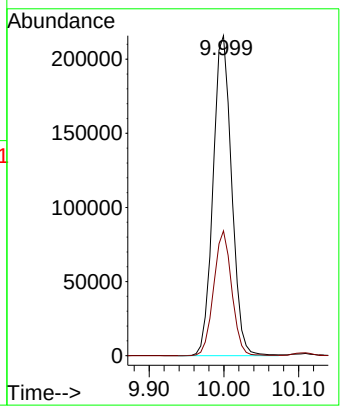


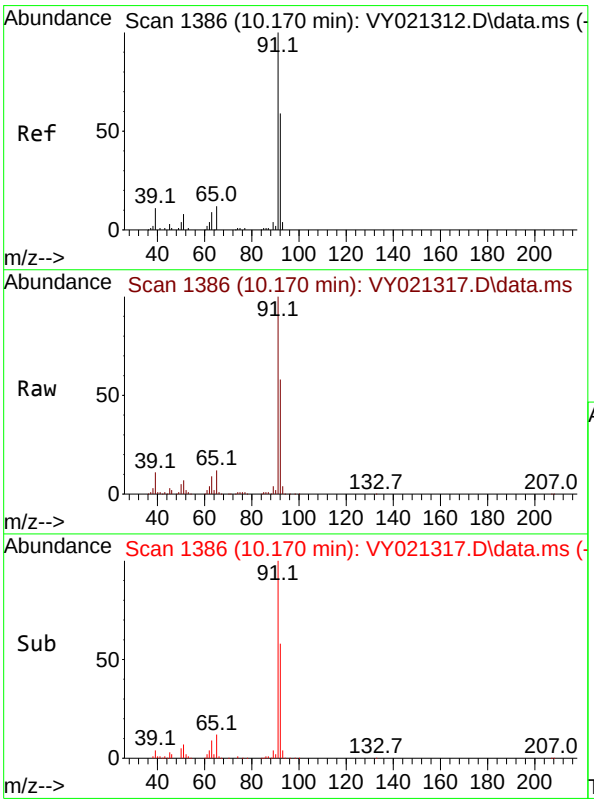

#51
4-Methyl-2-Pentanone
Concen: 262.628 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 43 Resp: 372486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.1 | 45.1 |

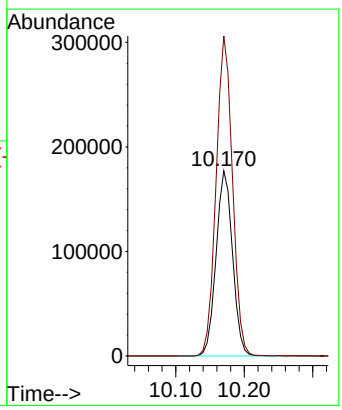


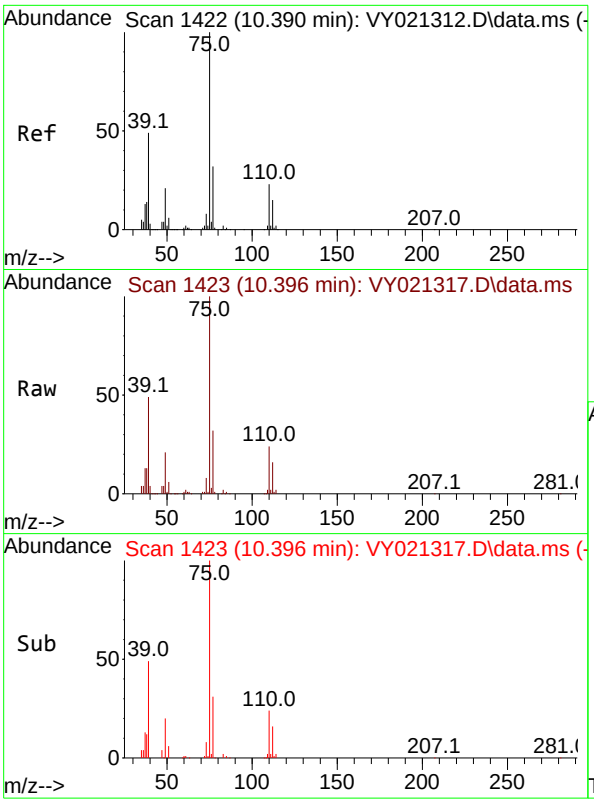




#52
Toluene
Concen: 55.674 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 92 Resp: 294219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 137.8 | 206.8 |



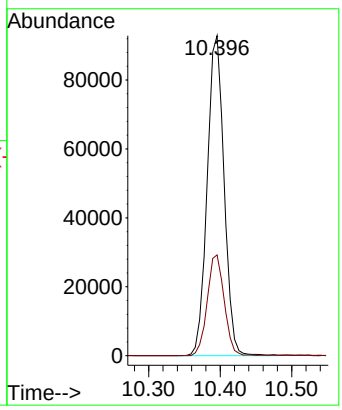


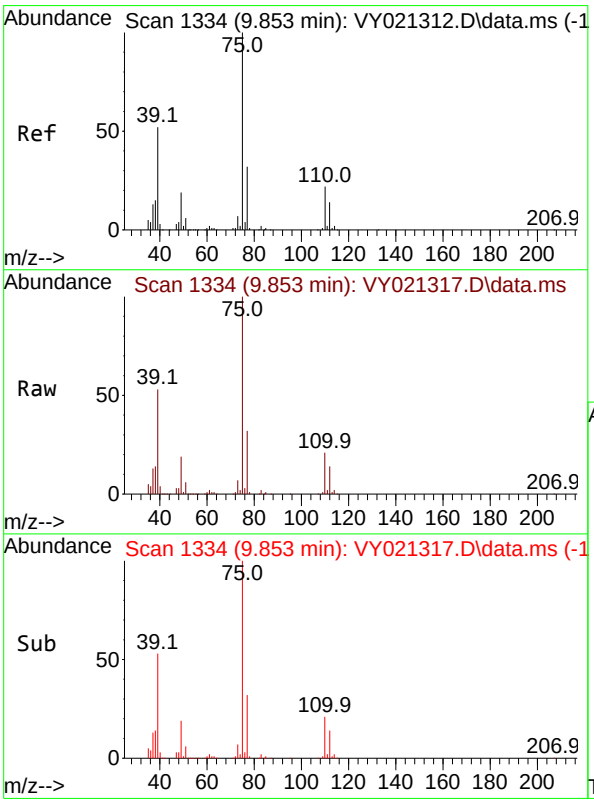

#53
t-1,3-Dichloropropene
Concen: 55.699 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 75 Resp: 152263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.3 | 37.9 |

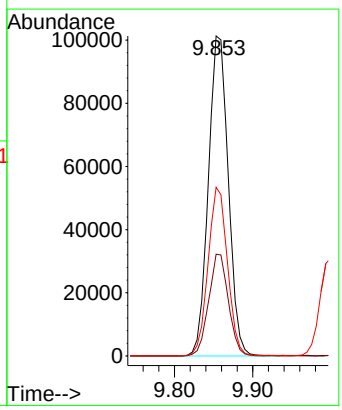


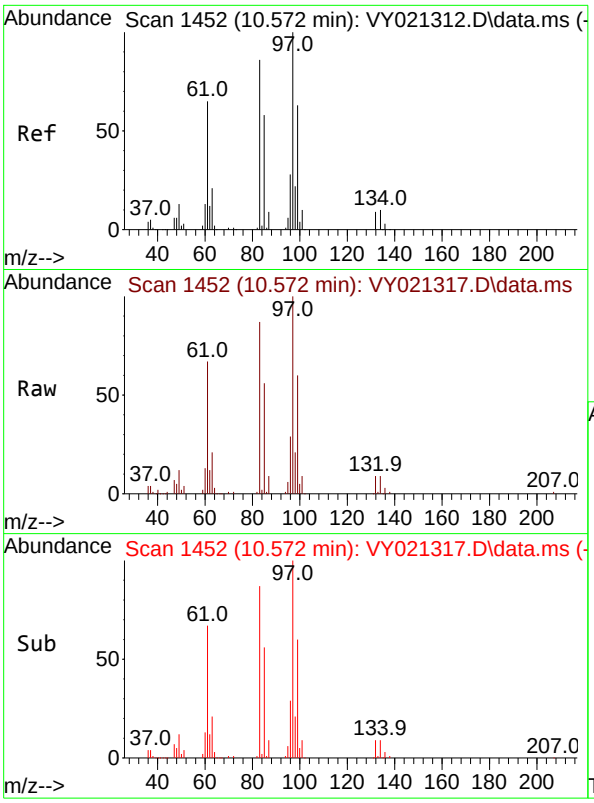




#54
cis-1,3-Dichloropropene
Concen: 55.451 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 178951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.7 | 38.5 |
| 39 | 52.6 | 41.8 | 62.6 |



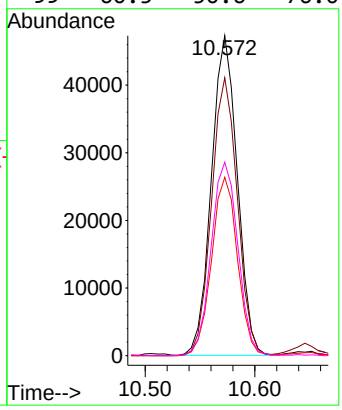


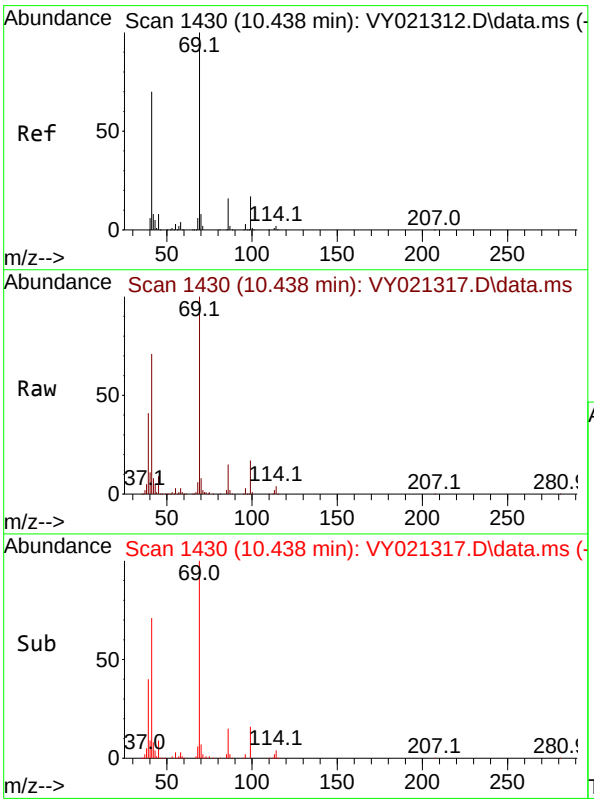

#55
1,1,2-Trichloroethane
Concen: 53.263 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 97 Resp: 77645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.9 | 68.7 | 103.1 |
| 85 | 55.7 | 46.3 | 69.5 |
| 99 | 60.5 | 50.6 | 76.0 |

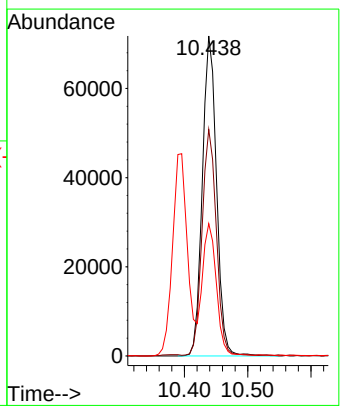


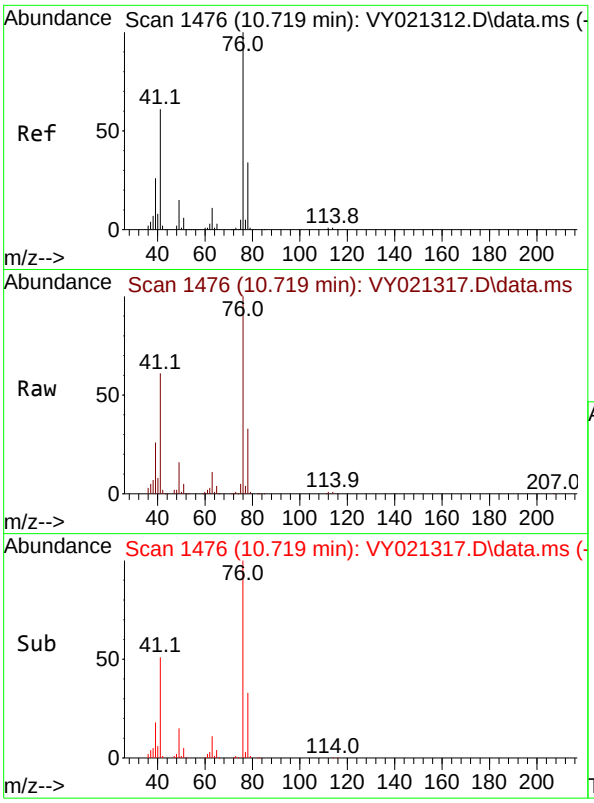




#56
Ethyl methacrylate
Concen: 55.679 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 69 Resp: 112155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.9 | 56.2 | 84.4 |
| 39 | 39.6 | 32.7 | 49.1 |



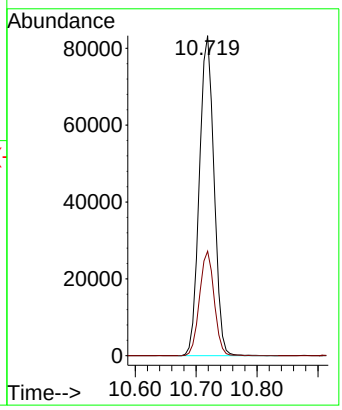


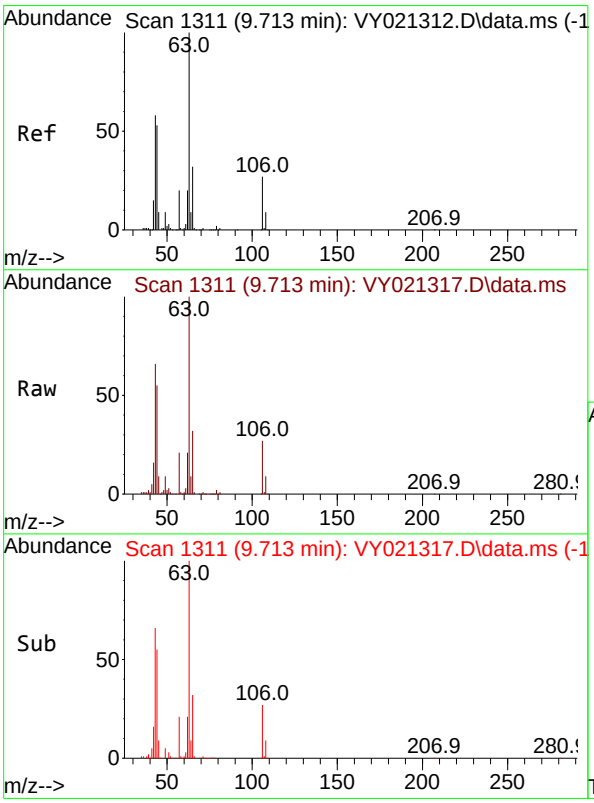

#57
1,3-Dichloropropane
Concen: 54.438 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 76 Resp: 139257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 25.9 | 38.9 |

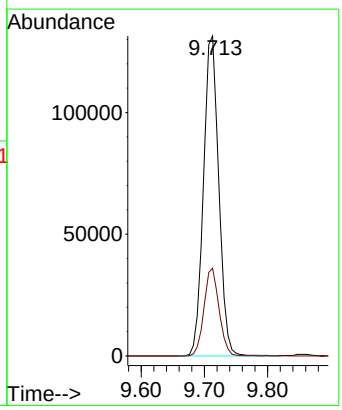


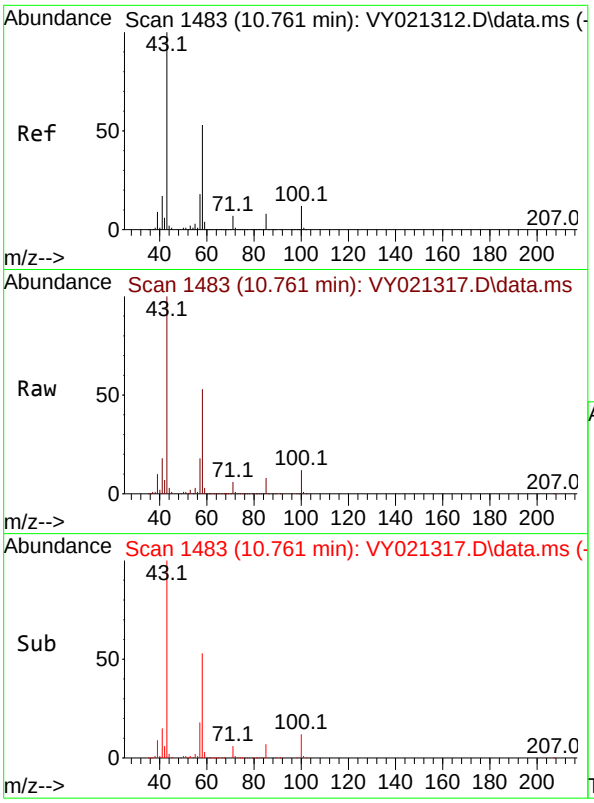




#58
2-Chloroethyl Vinyl ether
Concen: 228.990 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 221395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.0 | 21.7 | 32.5 |



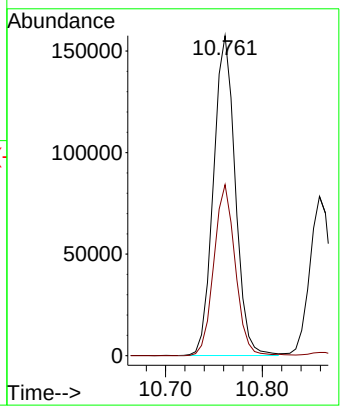


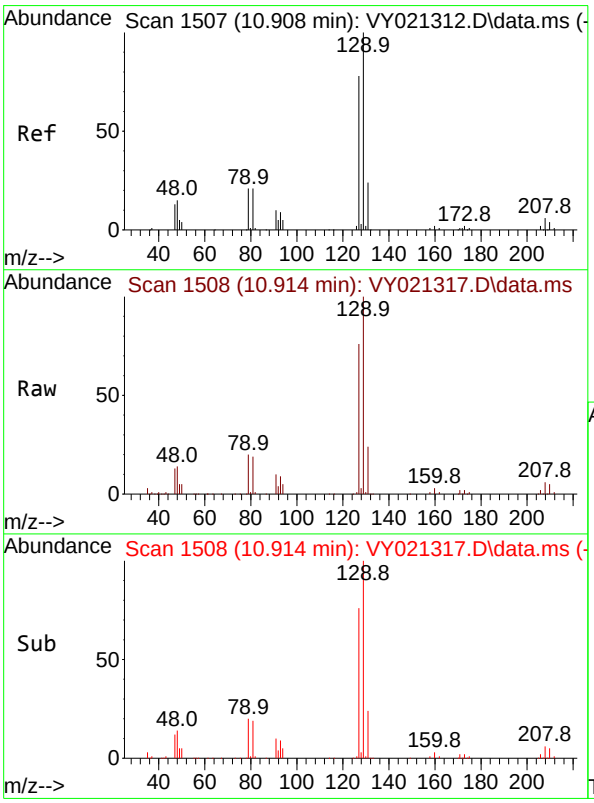

#59
2-Hexanone
Concen: 264.133 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 43 Resp: 246032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 25.9 | 77.6 |

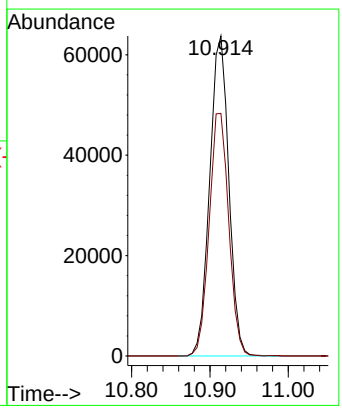


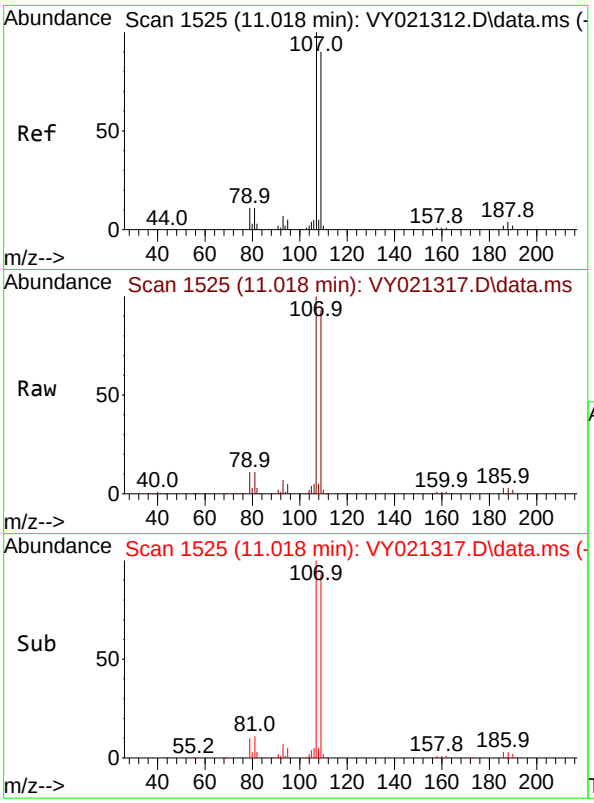




#60
Dibromochloromethane
Concen: 54.329 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:129 Resp: 107866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.8 | 116.4 |



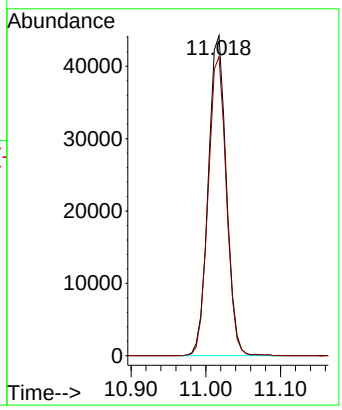


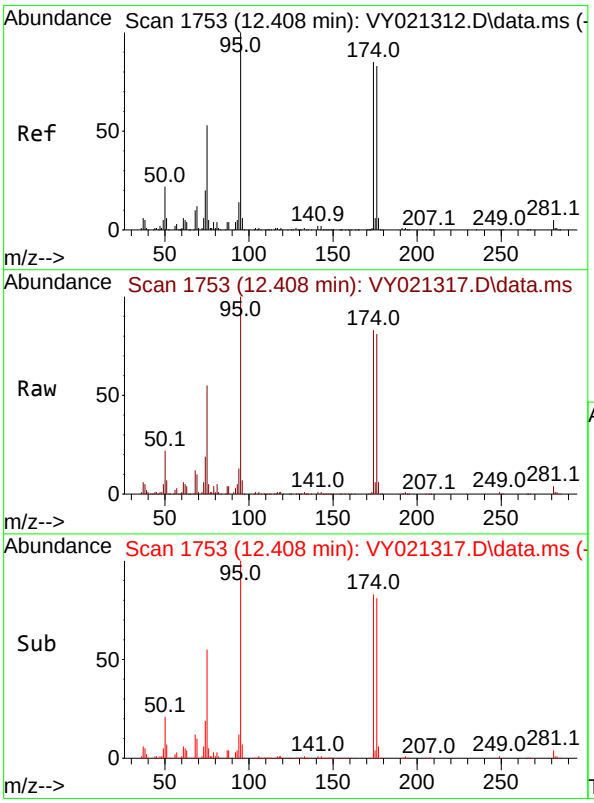

#61
1,2-Dibromoethane
Concen: 53.942 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:107 Resp: 74447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.1 | 73.8 | 110.8 |

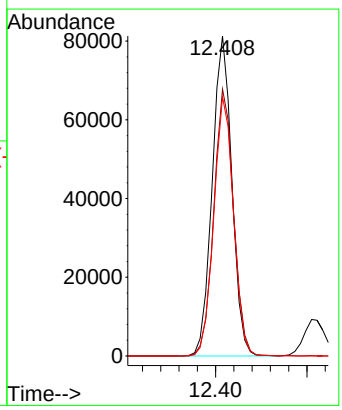


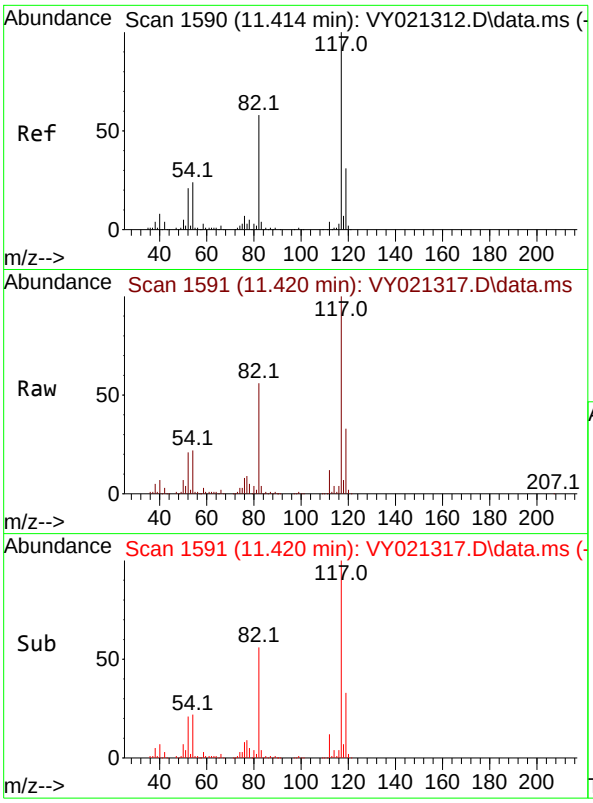




#62
4-Bromofluorobenzene
Concen: 48.549 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 95 Resp: 120972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.9 | 0.0 | 168.0 |
| 176 | 81.4 | 0.0 | 162.6 |



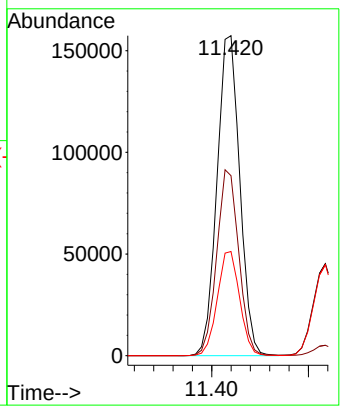


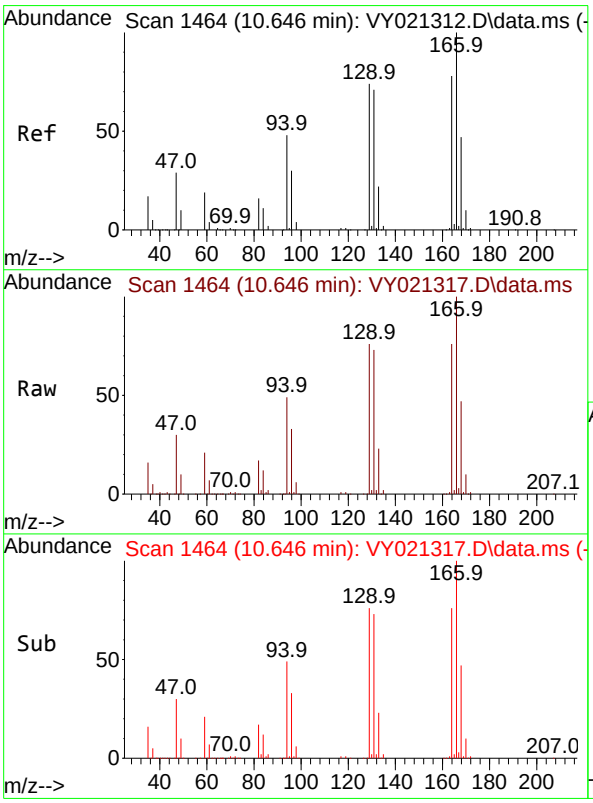

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:117 Resp: 257123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 46.2 | 69.4 |
| 119 | 32.5 | 24.9 | 37.3 |

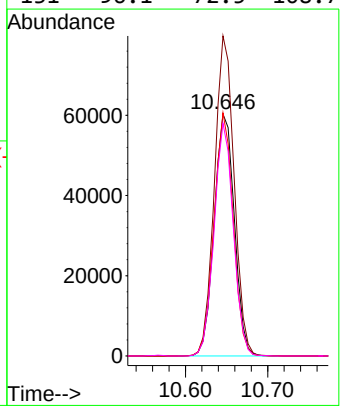


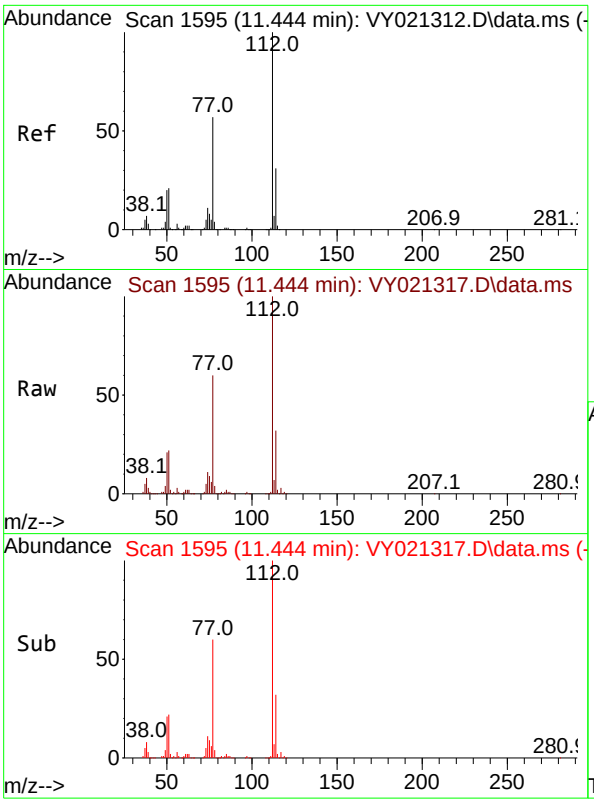




#64
Tetrachloroethene
Concen: 52.940 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:164 Resp: 102887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.2 | 101.9 | 152.9 |
| 129 | 100.4 | 75.5 | 113.3 |
| 131 | 96.1 | 72.5 | 108.7 |



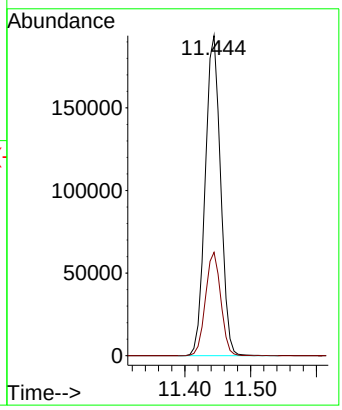


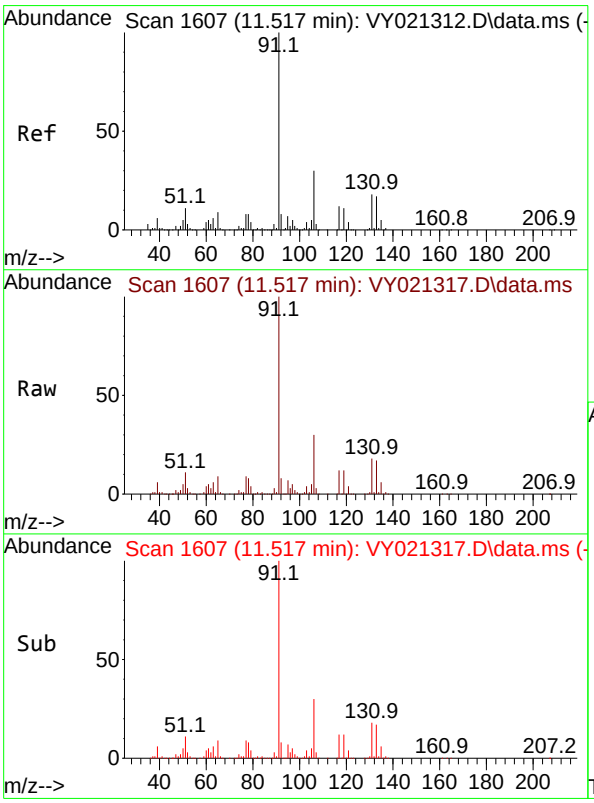

#65
Chlorobenzene
Concen: 54.410 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:112 Resp: 314040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 25.0 | 37.6 |

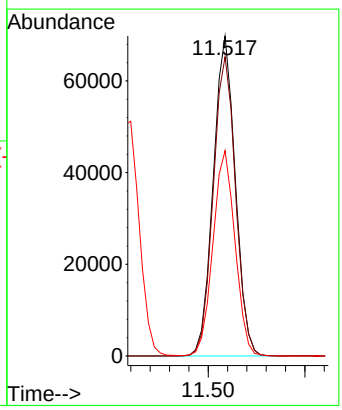


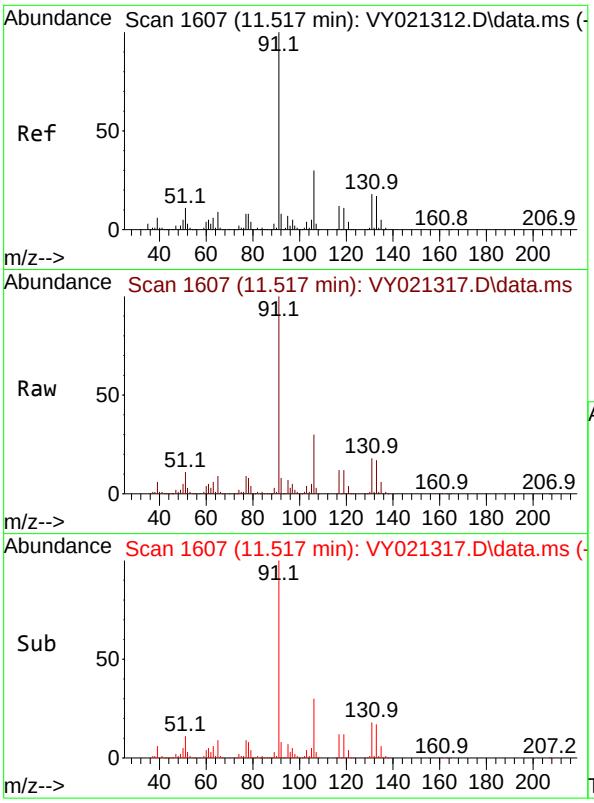




#66
1,1,1,2-Tetrachloroethane
Concen: 54.517 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:131 Resp: 110179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.9 | 47.9 | 143.6 |
| 119 | 64.3 | 31.7 | 95.1 |



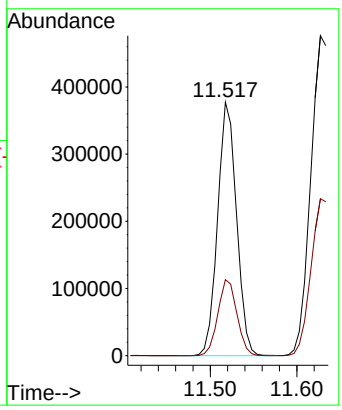


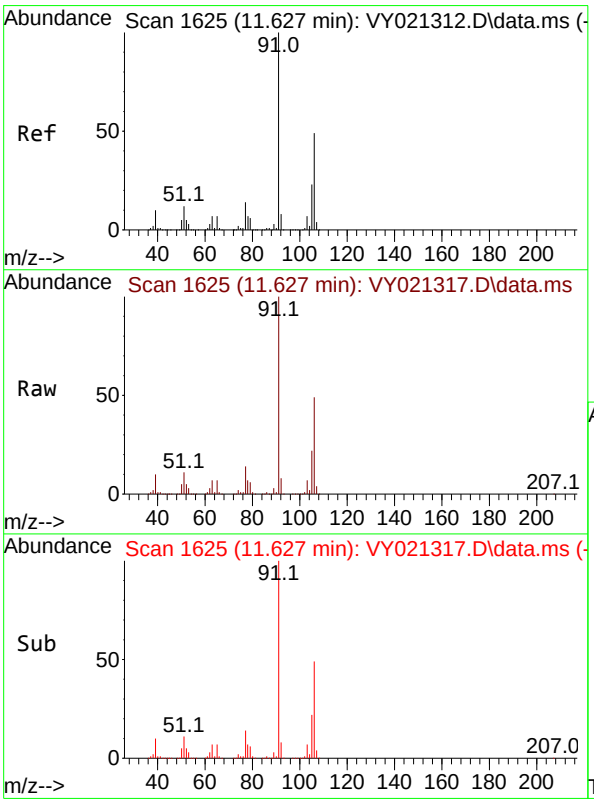

#67
Ethyl Benzene
Concen: 55.992 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 91 Resp: 572425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.4 | 36.6 |

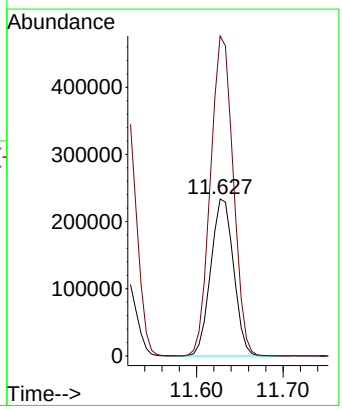


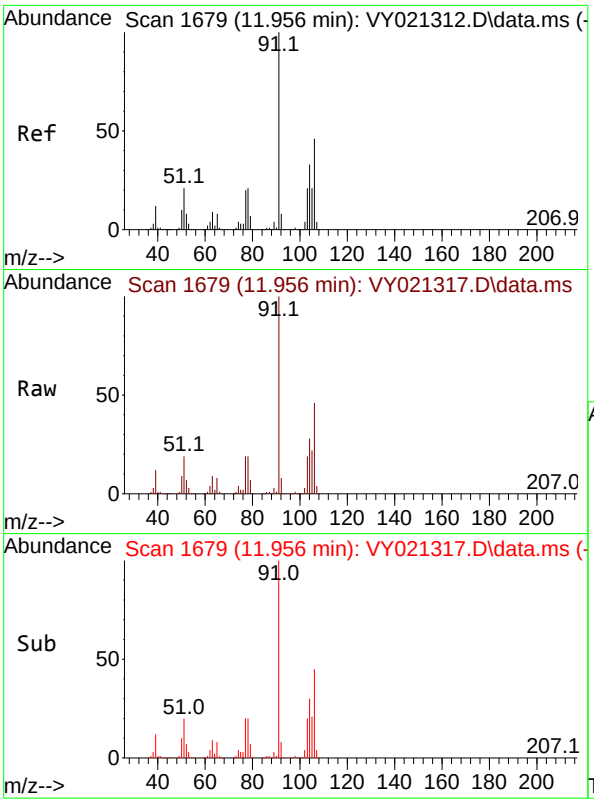




#68
m/p-Xylenes
Concen: 111.274 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 427892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.4 | 163.9 | 245.9 |



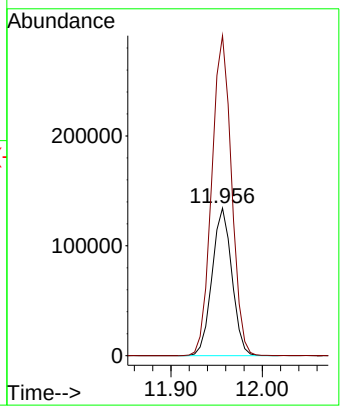


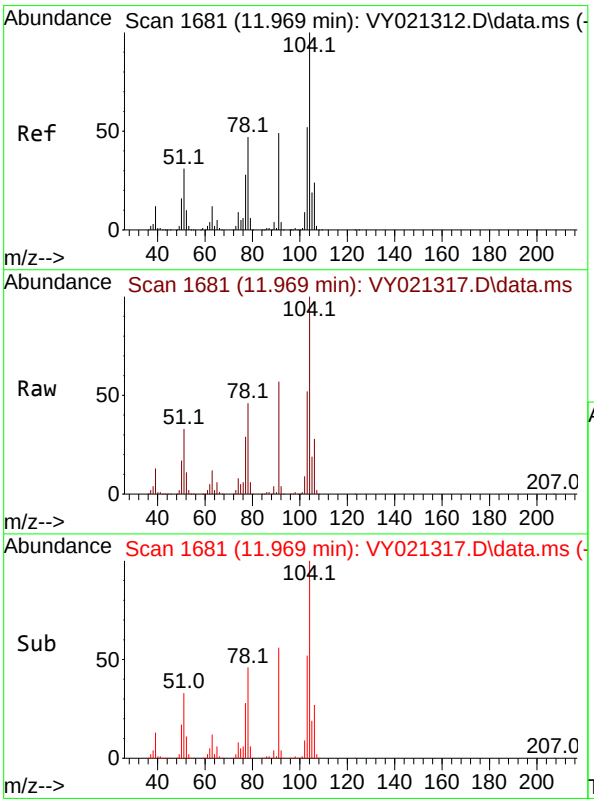

#69
o-Xylene
Concen: 56.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:106 Resp: 202123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.2 | 108.1 | 324.2 |

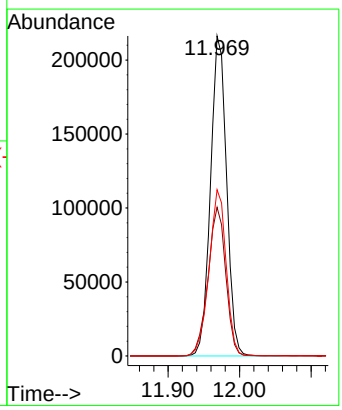


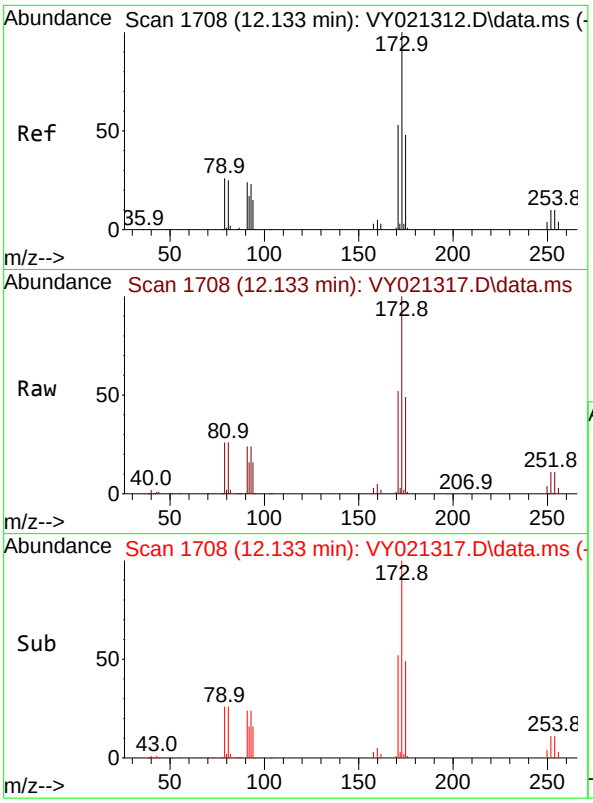




#70
Styrene
Concen: 56.307 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:104 Resp: 337489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.1 | 41.3 | 61.9 |
| 103 | 55.3 | 43.9 | 65.9 |



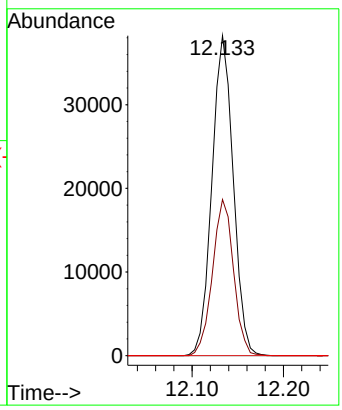


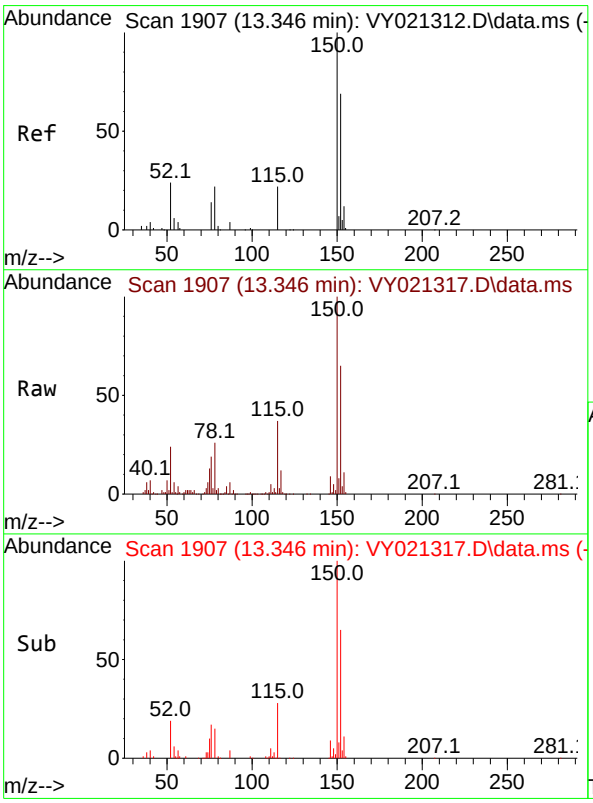

#71
Bromoform
Concen: 53.590 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:173 Resp: 61959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1# |

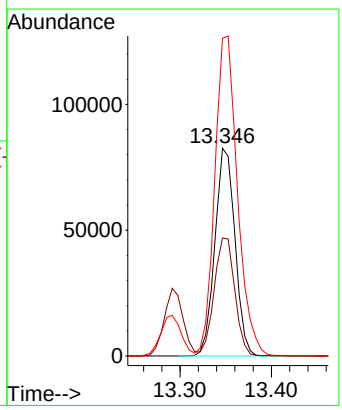


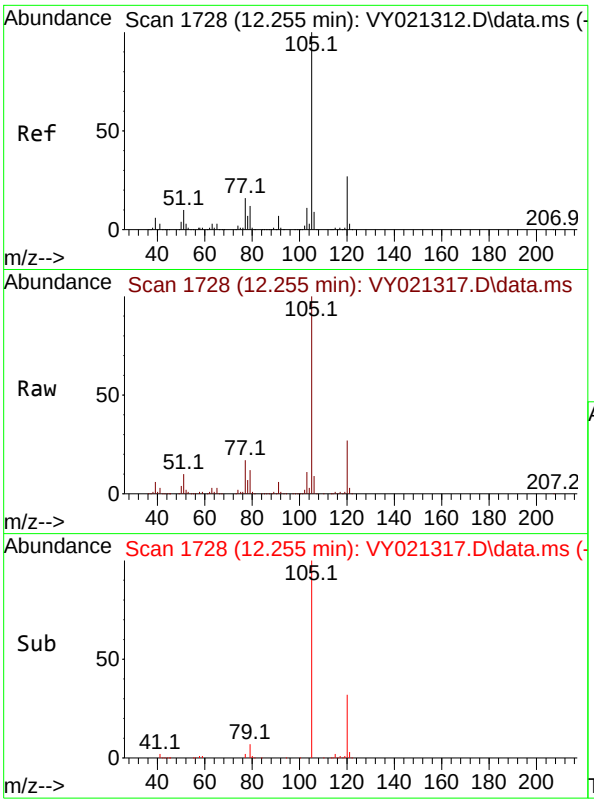




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:152 Resp: 126299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.2 | 29.3 | 88.0 |
| 150 | 174.2 | 0.0 | 347.4 |



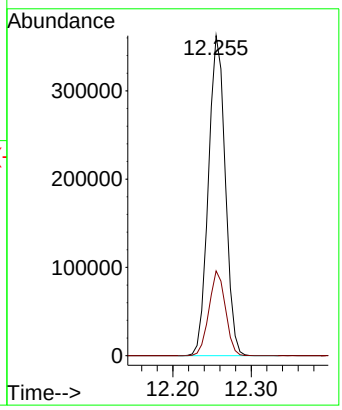


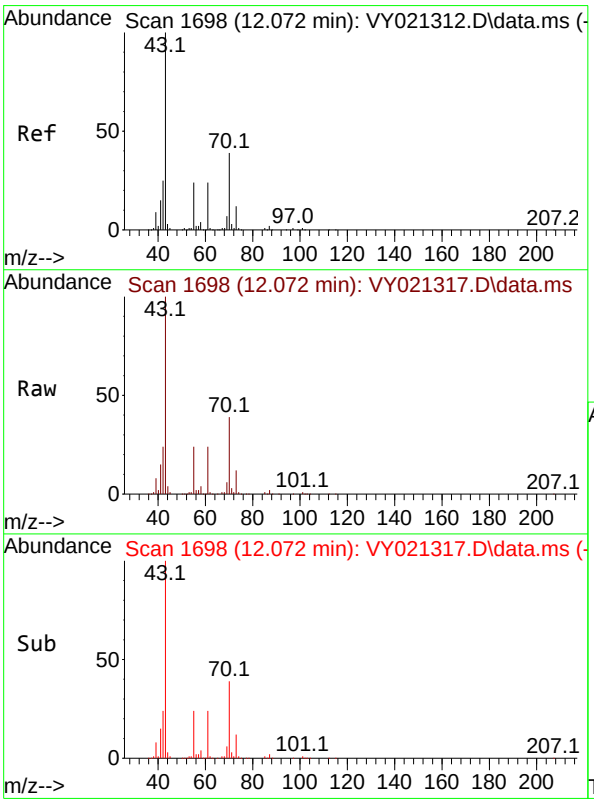

#73
Isopropylbenzene
Concen: 56.974 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:105 Resp: 540978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.3 | 39.8 |

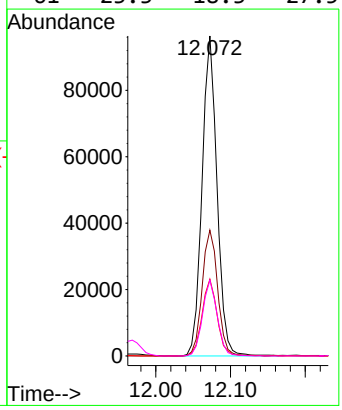


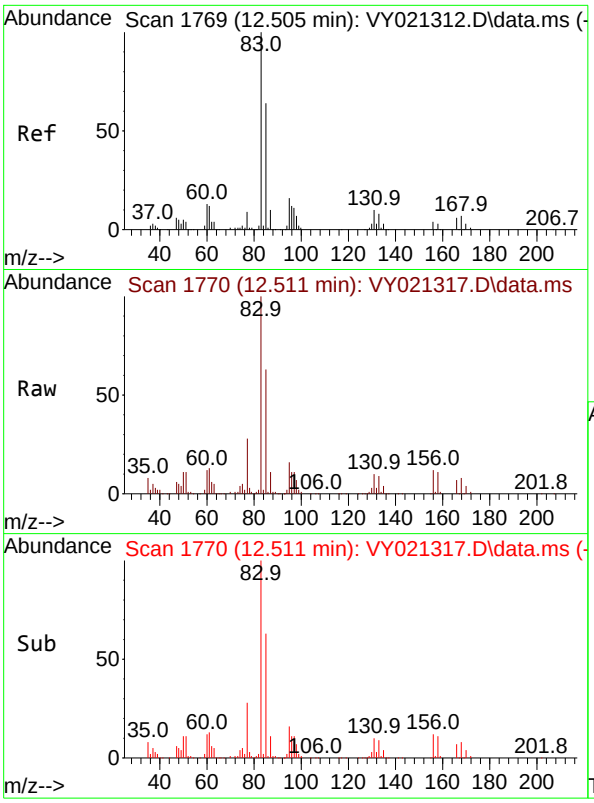




#74
N-amyl acetate
Concen: 55.509 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 133968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.9 | 32.2 | 48.2 |
| 55 | 24.2 | 19.6 | 29.4 |
| 61 | 23.3 | 18.3 | 27.5 |



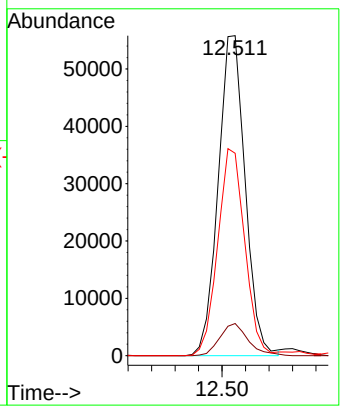


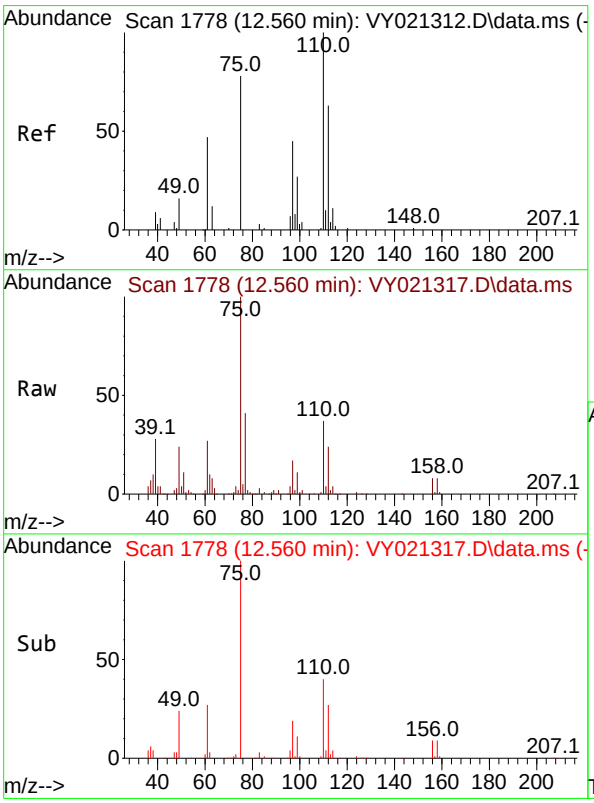

#75
1,1,2,2-Tetrachloroethane
Concen: 53.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 83 Resp: 89240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.5 | 5.2 | 15.6 |
| 85 | 64.7 | 32.0 | 96.0 |

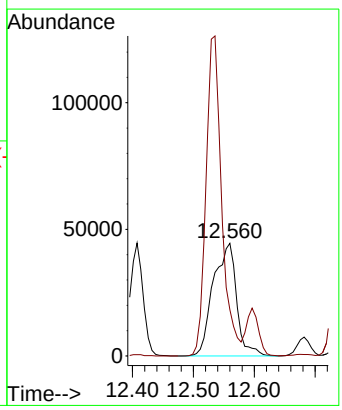


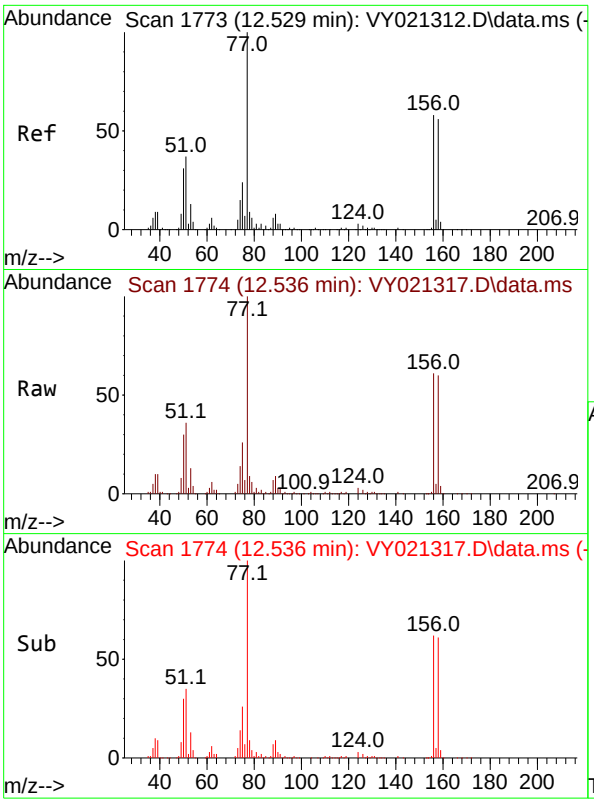




#76
1,2,3-Trichloropropane
Concen: 93.768 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 118541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



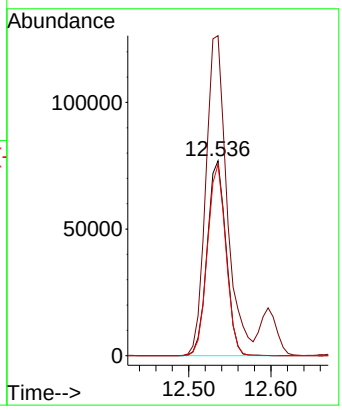


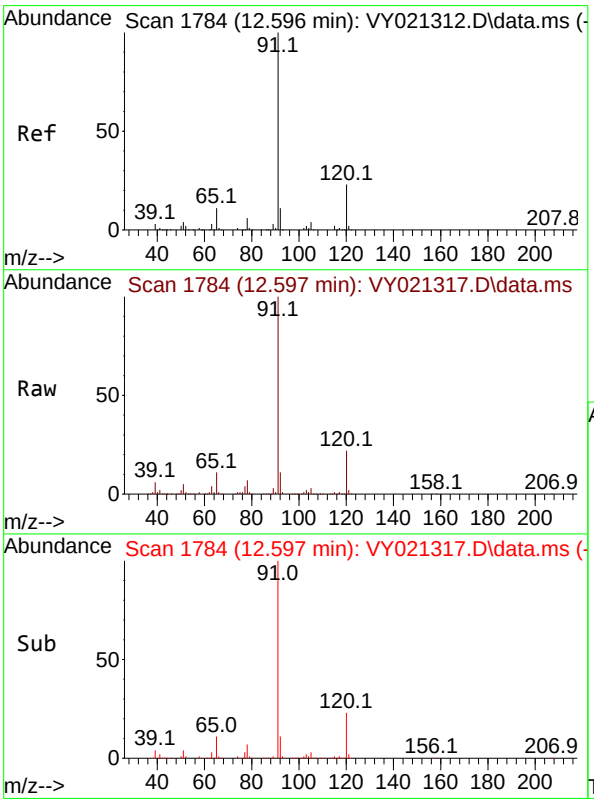

#77
Bromobenzene
Concen: 55.296 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:156 Resp: 122121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.0 | 94.0 | 282.1 |
| 158 | 96.6 | 48.7 | 146.1 |

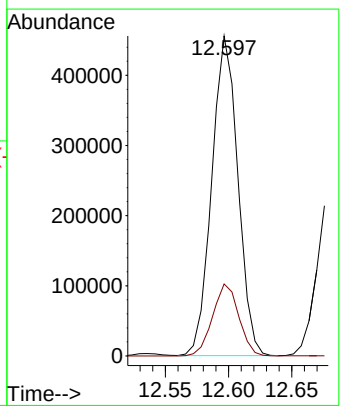


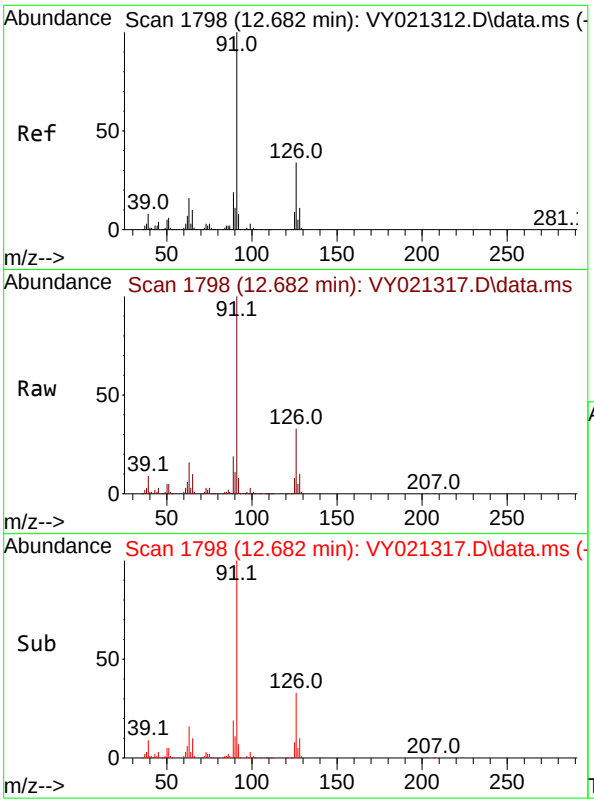




#78
n-propylbenzene
Concen: 56.783 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 654255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.2 | 33.5 |



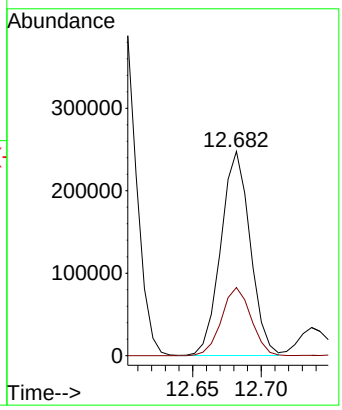


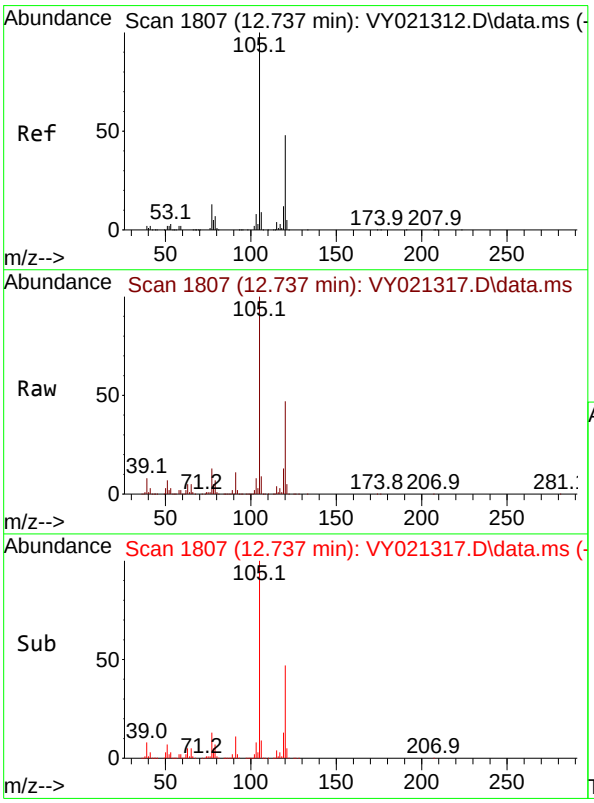

#79
2-Chlorotoluene
Concen: 55.813 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 91 Resp: 369065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.9 | 50.6 |

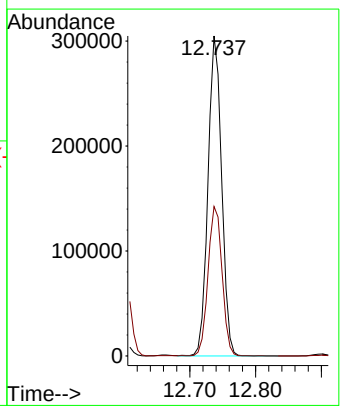


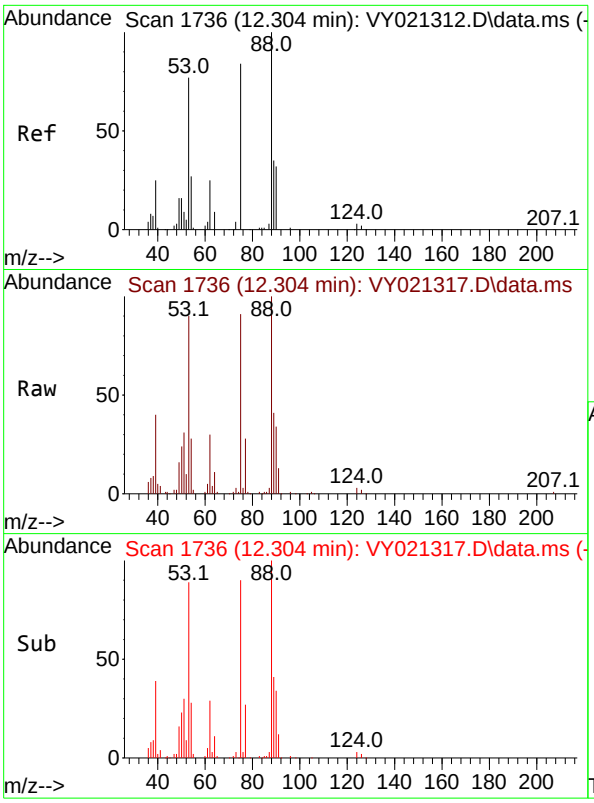




#80
1,3,5-Trimethylbenzene
Concen: 56.549 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 440379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.9 | 24.3 | 73.0 |



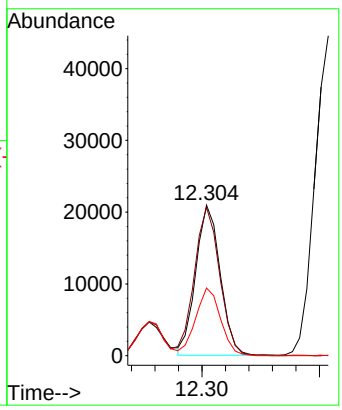


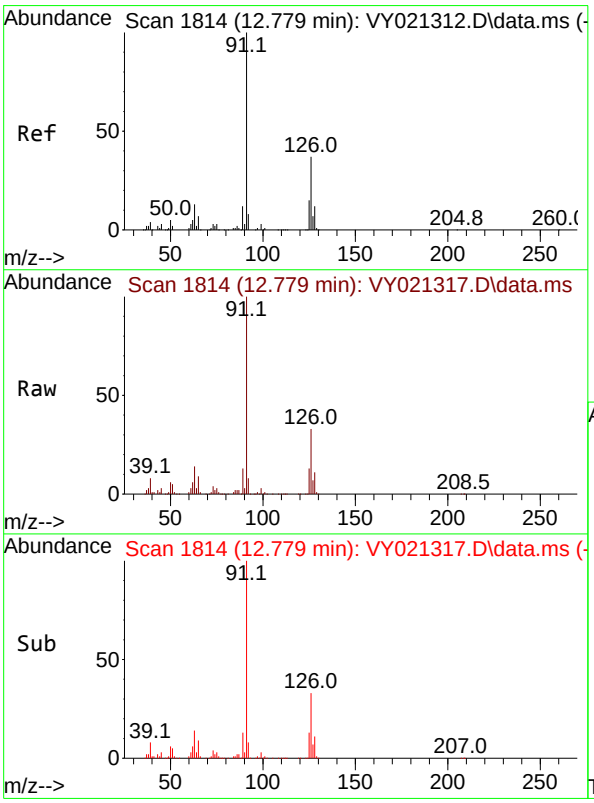

#81
trans-1,4-Dichloro-2-butene
Concen: 53.216 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 75 Resp: 30268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.4 | 79.1 | 118.7 |
| 89 | 45.8 | 35.6 | 53.4 |

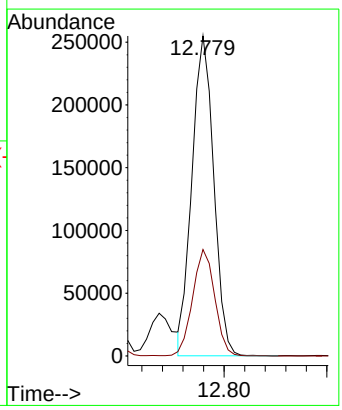


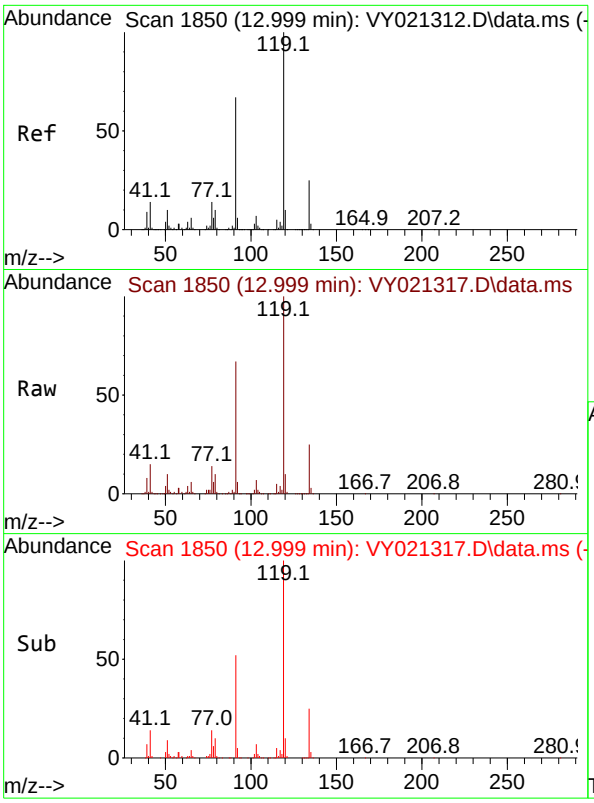




#82
4-Chlorotoluene
Concen: 54.757 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 375340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.9 | 16.8 | 50.4 |



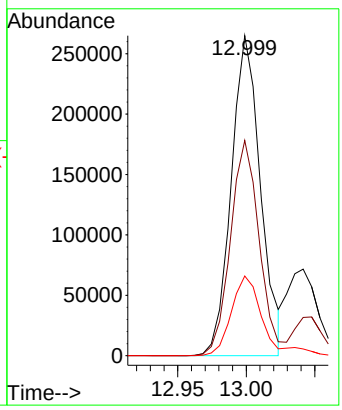


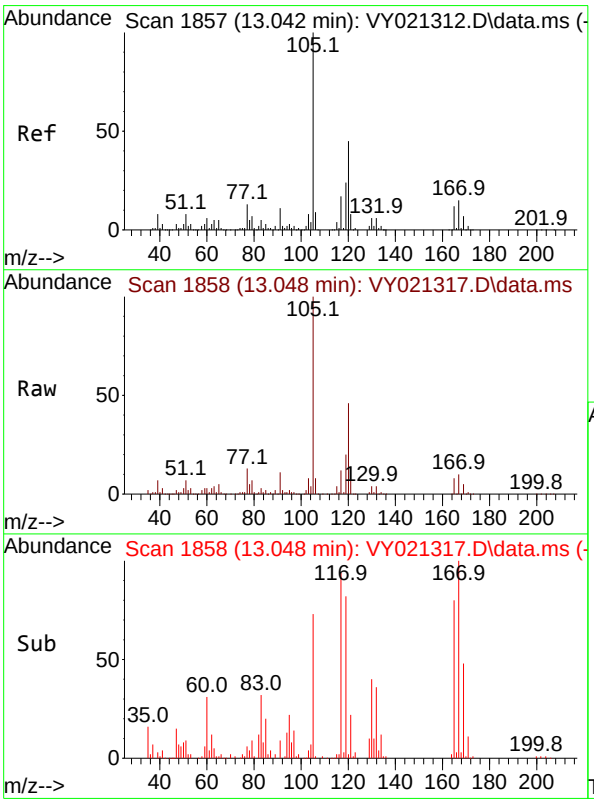

#83
tert-Butylbenzene
Concen: 55.900 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:119 Resp: 393228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.5 | 32.7 | 98.1 |
| 134 | 26.8 | 13.3 | 39.9 |

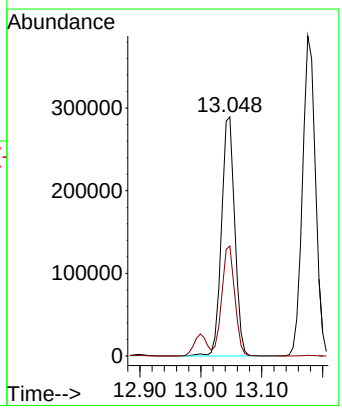


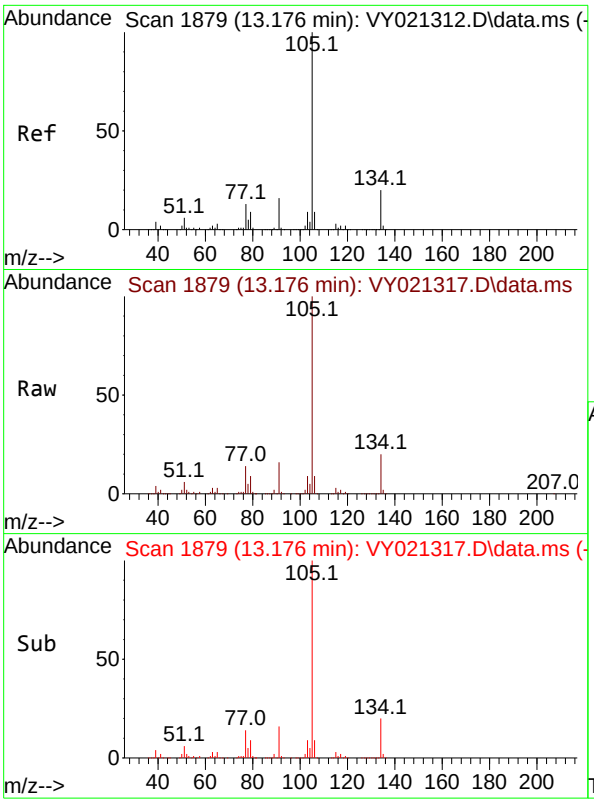




#84
1,2,4-Trimethylbenzene
Concen: 56.621 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 438538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.0 | 22.4 | 67.3 |



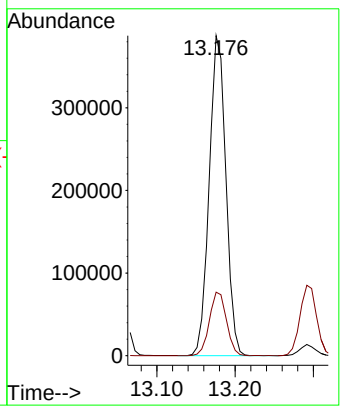


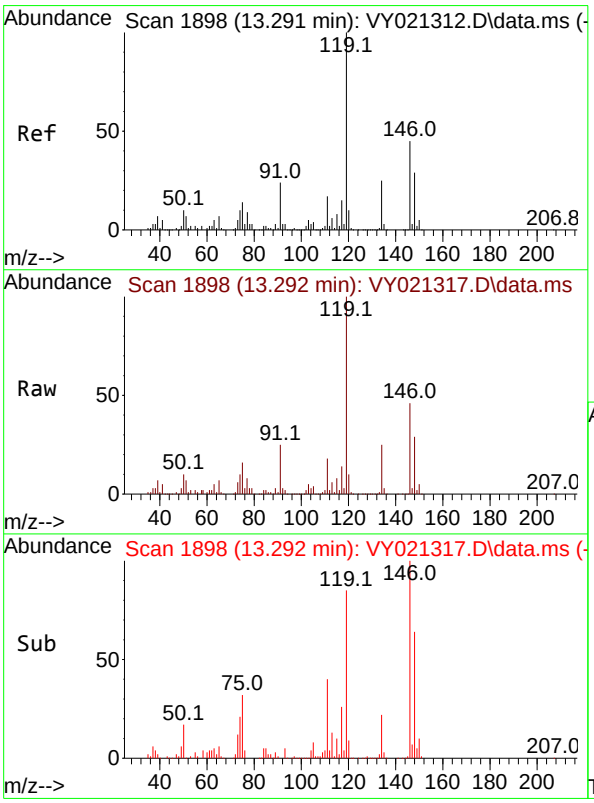

#85
sec-Butylbenzene
Concen: 55.655 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:105 Resp: 571874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 10.0 | 30.0 |

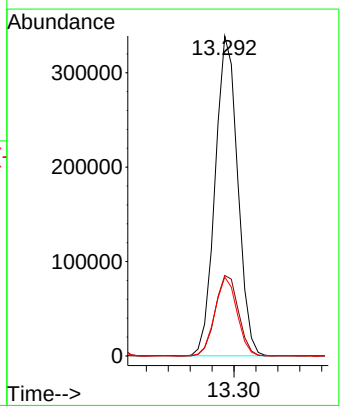


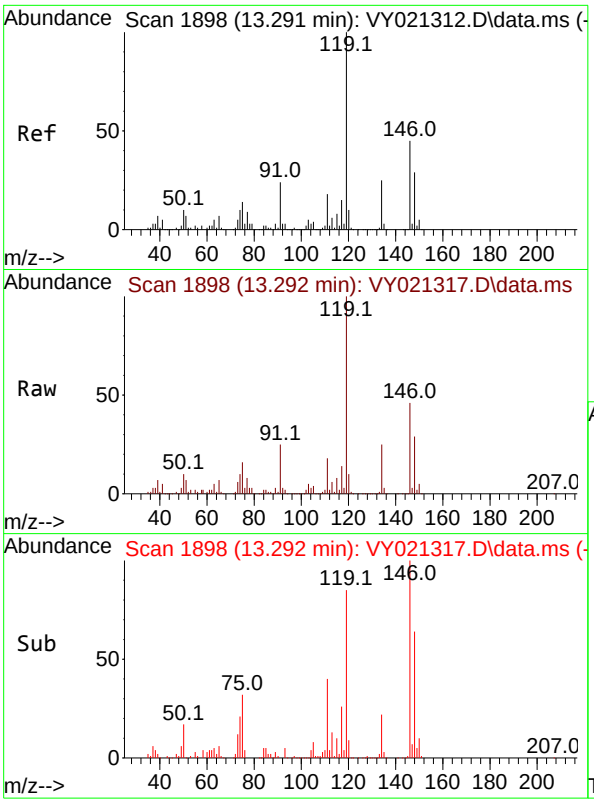




#86
p-Isopropyltoluene
Concen: 56.427 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 484140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.0 | 38.9 |
| 91 | 24.2 | 12.0 | 36.1 |



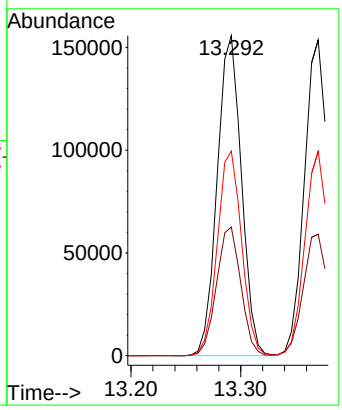


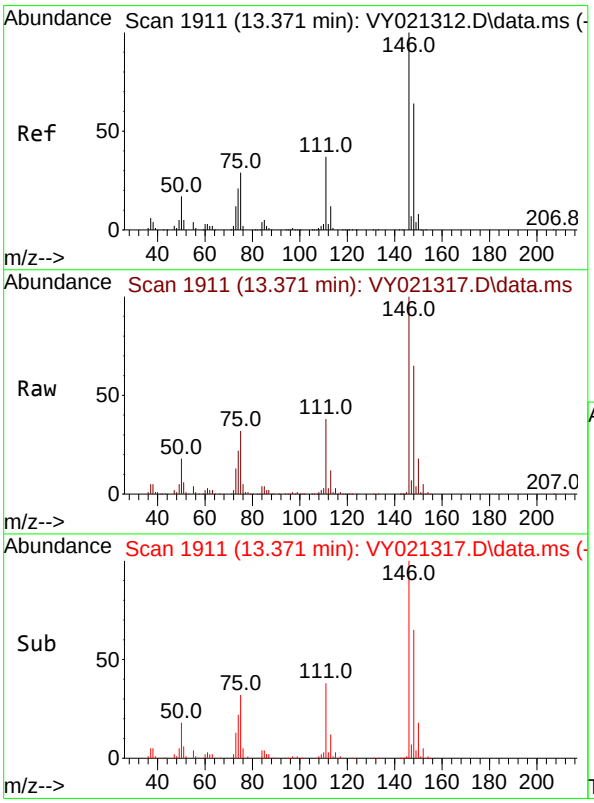

#87
1,3-Dichlorobenzene
Concen: 54.800 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:146 Resp: 239404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 20.0 | 59.9 |
| 148 | 64.1 | 31.9 | 95.9 |

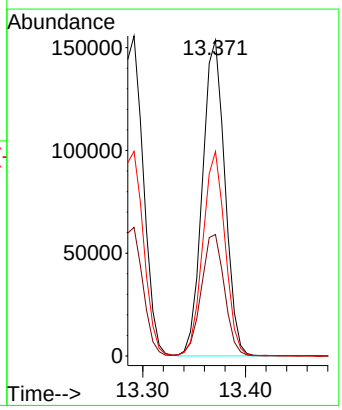


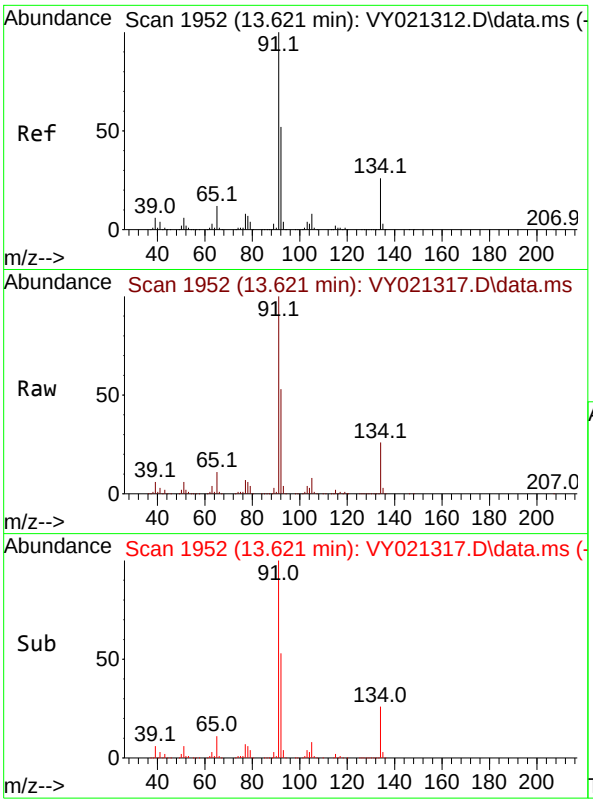




#88
1,4-Dichlorobenzene
Concen: 54.098 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 233477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.7 | 19.5 | 58.5 |
| 148 | 64.2 | 32.0 | 96.2 |



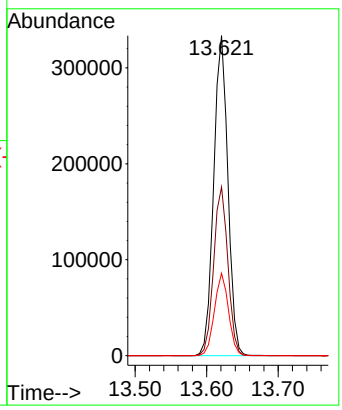


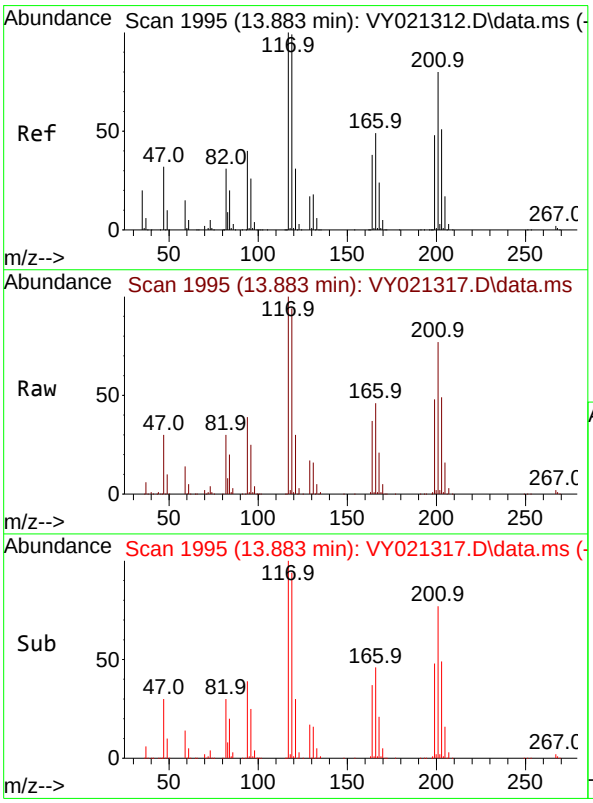

#89
n-Butylbenzene
Concen: 56.856 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion: 91 Resp: 459065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.4 | 79.2 |
| 134 | 25.6 | 12.7 | 38.0 |

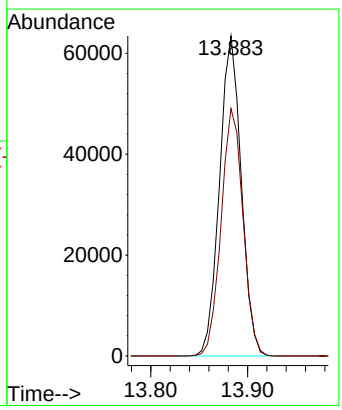


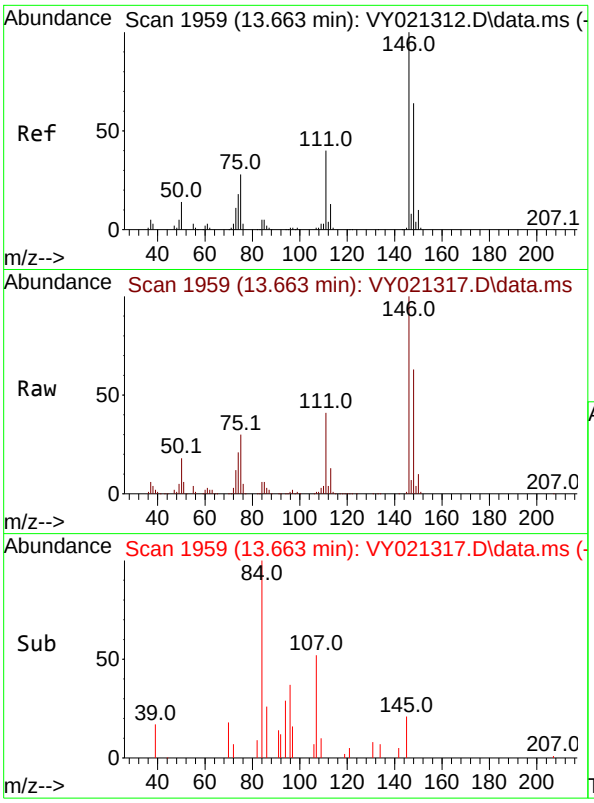




#90
Hexachloroethane
Concen: 55.035 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 98634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.0 | 38.4 | 115.2 |



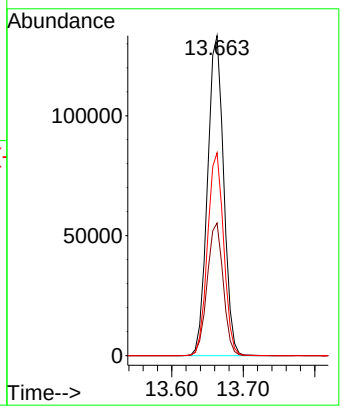


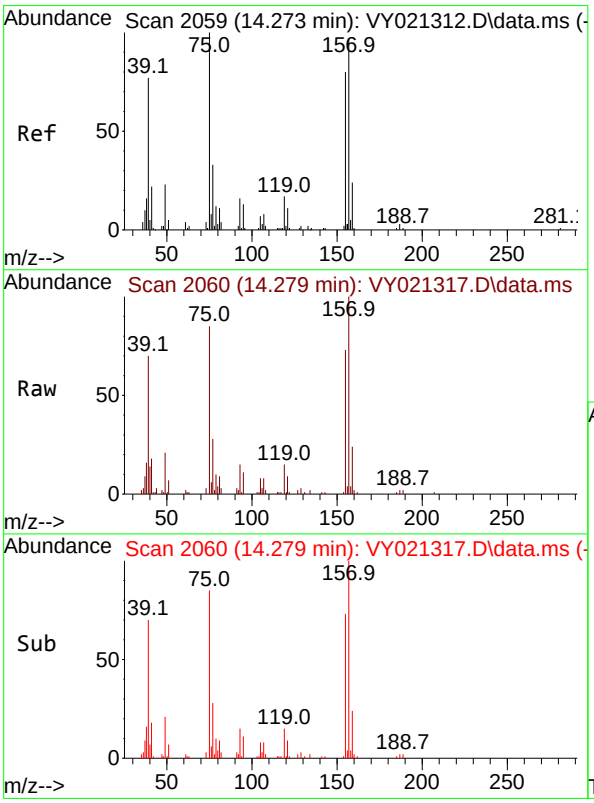

#91
1,2-Dichlorobenzene
Concen: 54.545 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:146 Resp: 208776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.7 | 62.1 |
| 148 | 63.4 | 31.7 | 95.1 |

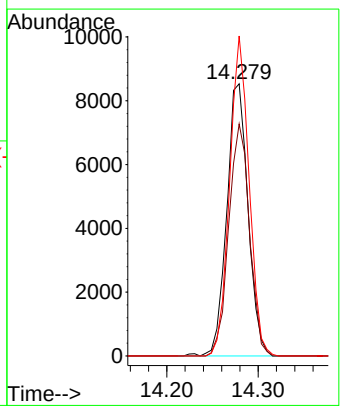


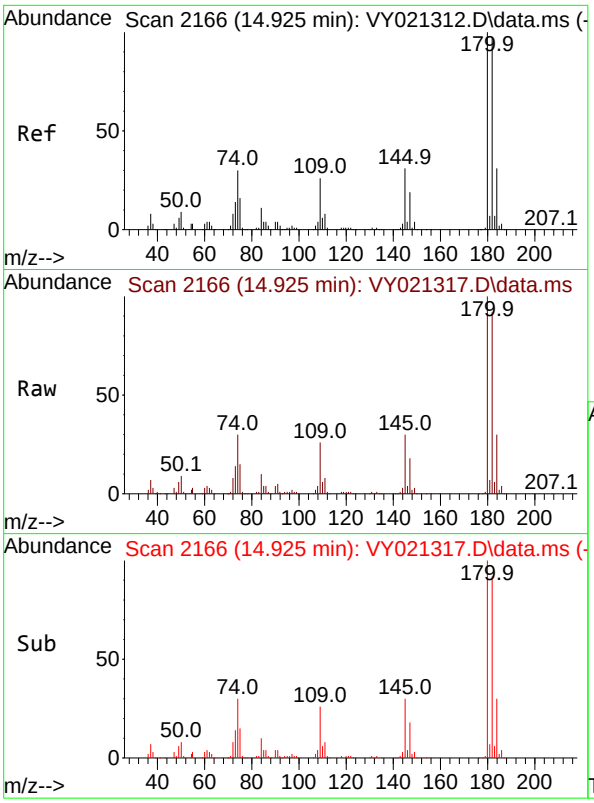




#92
1,2-Dibromo-3-Chloropropane
Concen: 52.137 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 13821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.0 | 41.9 | 125.6 |
| 157 | 107.2 | 52.5 | 157.6 |



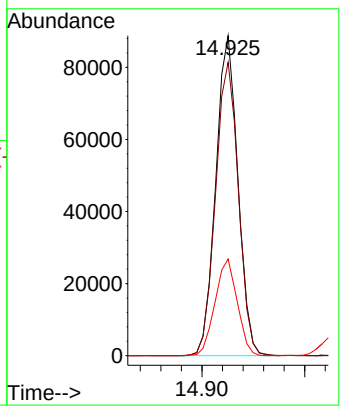


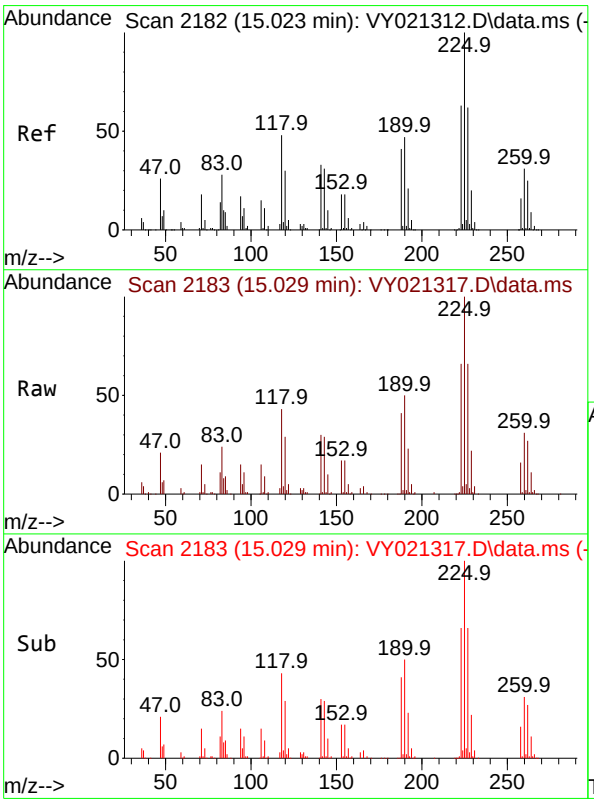

#93
1,2,4-Trichlorobenzene
Concen: 56.703 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:180 Resp: 132464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 47.9 | 143.7 |
| 145 | 30.3 | 15.6 | 46.8 |

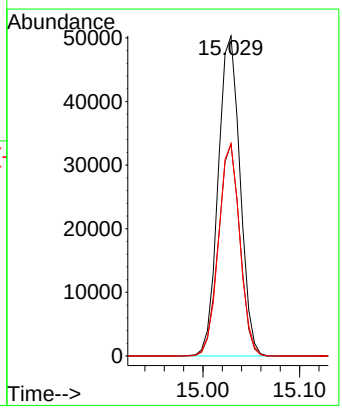


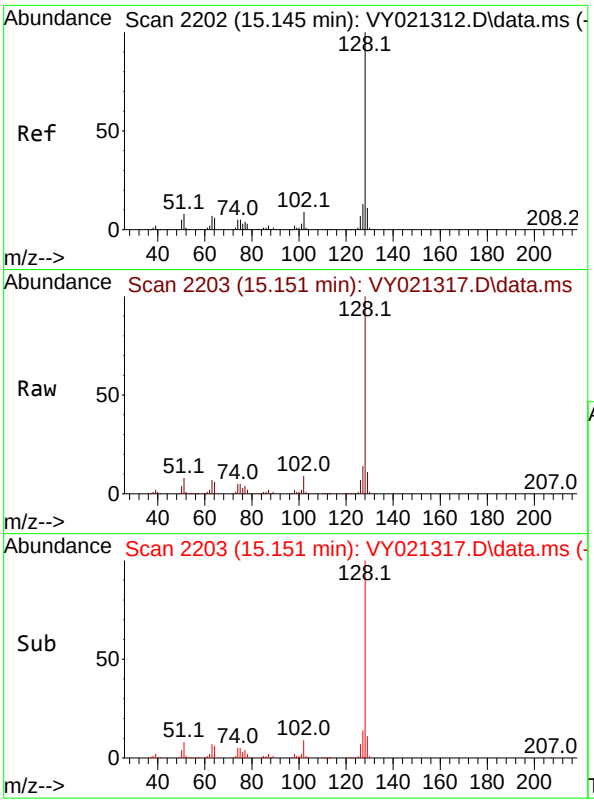




#94
Hexachlorobutadiene
Concen: 53.541 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:225 Resp: 78745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.6 | 31.8 | 95.4 |
| 227 | 64.6 | 31.9 | 95.7 |



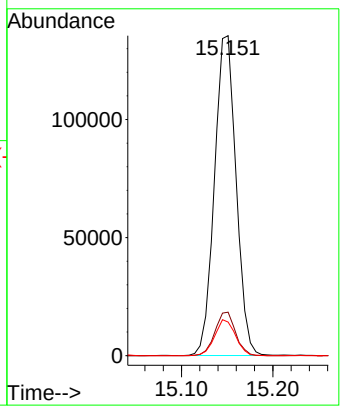


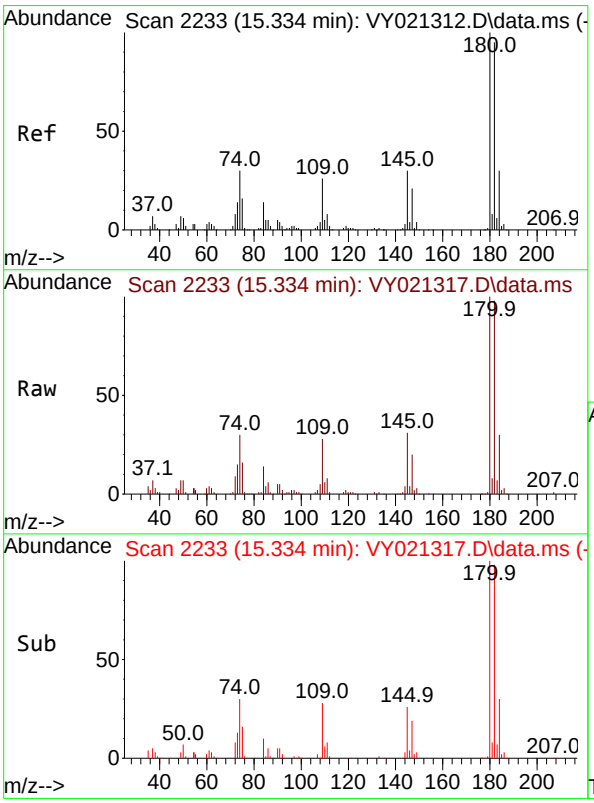

#95
Naphthalene
Concen: 57.589 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY022525

Tgt Ion:128 Resp: 222839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.5 | 15.7 |
| 129 | 10.9 | 8.5 | 12.7 |

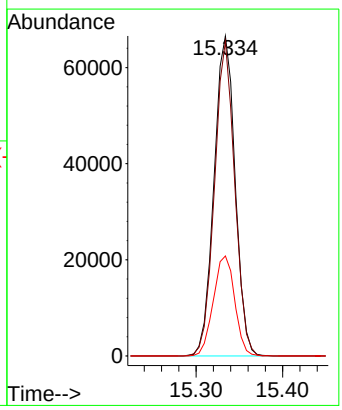



#96
1,2,3-Trichlorobenzene
Concen: 56.980 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 112466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 48.3 | 144.9 |
| 145 | 31.7 | 16.1 | 48.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 193888 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 308714 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 268805 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152 | 131935 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 105547 | 47.987 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 95.980% | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 98654 | 48.743 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 97.480% | | |
| 50) Toluene-d8 | 10.109 | 98 | 387966 | 49.599 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 99.200% | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 129754 | 49.290 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = | 98.580% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 85738 | 46.640 | ug/l | 96 |
| 3) Chloromethane | 2.068 | 50 | 112705 | 47.473 | ug/l | 98 |
| 4) Vinyl Chloride | 2.202 | 62 | 113710 | 48.798 | ug/l | 98 |
| 5) Bromomethane | 2.598 | 94 | 71789 | 46.361 | ug/l | 99 |
| 6) Chloroethane | 2.739 | 64 | 70476 | 48.772 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.062 | 101 | 167868 | 47.701 | ug/l | 96 |
| 8) Diethyl Ether | 3.452 | 74 | 52323 | 49.537 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 96104 | 47.169 | ug/l | 99 |
| 10) Methyl Iodide | 4.007 | 142 | 111918 | 52.212 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.854 | 59 | 34212 | 202.221 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 94447 | 48.413 | ug/l | 99 |
| 13) Acrolein | 3.653 | 56 | 5526 | 42.624 | ug/l | 99 |
| 14) Allyl chloride | 4.385 | 41 | 173778 | 50.242 | ug/l | 98 |
| 15) Acrylonitrile | 5.061 | 53 | 112963 | 241.892 | ug/l | 99 |
| 16) Acetone | 3.867 | 43 | 109810 | 260.267 | ug/l | 100 |
| 17) Carbon Disulfide | 4.110 | 76 | 315561 | 48.712 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 49846 | 48.342 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 253623 | 49.206 | ug/l | 99 |
| 20) Methylene Chloride | 4.616 | 84 | 103268 | 45.263 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.116 | 96 | 104607 | 48.708 | ug/l | 99 |
| 22) Diisopropyl ether | 6.019 | 45 | 361038 | 50.442 | ug/l | 98 |
| 23) Vinyl Acetate | 5.958 | 43 | 1065848 | 249.197 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 197949 | 49.069 | ug/l | 98 |
| 25) 2-Butanone | 6.890 | 43 | 157281 | 246.999 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 180065 | 49.191 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 122751 | 50.053 | ug/l | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 84337 | 47.247 | ug/l | 98 |
| 29) Tetrahydrofuran | 7.262 | 42 | 99242 | 238.435 | ug/l | 100 |
| 30) Chloroform | 7.421 | 83 | 201334 | 49.253 | ug/l | 99 |
| 31) Cyclohexane | 7.701 | 56 | 178746 | 46.094 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 181553 | 48.795 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 146702 | 48.254 | ug/l | 100 |
| 37) Ethyl Acetate | 6.982 | 43 | 72710 | 48.080 | ug/l | 100 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 165430 | 48.402 | ug/l | 98 |
| 39) Methylcyclohexane | 9.109 | 83 | 178508 | 46.422 | ug/l | 97 |
| 40) Benzene | 8.079 | 78 | 436709 | 48.593 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.220 | 41 | 36160 | 42.766 ug/l | | 91 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 122335 | 47.978 ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 140455 | 47.984 ug/l | | 99 |
| 44) Trichloroethene | 8.866 | 130 | 109499 | 48.665 ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 105190 | 48.637 ug/l | | 100 |
| 46) Dibromomethane | 9.231 | 93 | 56977 | 48.195 ug/l | | 99 |
| 47) Bromodichloromethane | 9.427 | 83 | 152416 | 48.352 ug/l | | 99 |
| 48) Methyl methacrylate | 9.219 | 41 | 66362 | 48.481 ug/l | | 98 |
| 49) 1,4-Dioxane | 9.231 | 88 | 12417 | 944.605 ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 10.000 | 43 | 360891 | 240.853 ug/l | | 100 |
| 52) Toluene | 10.170 | 92 | 275527 | 49.351 ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 144366 | 49.988 ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 167718 | 49.192 ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.573 | 97 | 72899 | 47.334 ug/l | | 98 |
| 56) Ethyl methacrylate | 10.439 | 69 | 108485 | 50.979 ug/l | | 100 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 132919 | 49.183 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 239640 | 234.614 ug/l | | 100 |
| 59) 2-Hexanone | 10.762 | 43 | 245501 | 249.476 ug/l | | 99 |
| 60) Dibromochloromethane | 10.908 | 129 | 102499 | 48.867 ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 69304 | 47.532 ug/l | | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 96416 | 47.455 ug/l | | 98 |
| 65) Chlorobenzene | 11.444 | 112 | 293397 | 48.625 ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131 | 104152 | 49.295 ug/l | | 100 |
| 67) Ethyl Benzene | 11.518 | 91 | 530215 | 49.609 ug/l | | 99 |
| 68) m/p-Xylenes | 11.627 | 106 | 395166 | 98.298 ug/l | | 99 |
| 69) o-Xylene | 11.957 | 106 | 187084 | 49.676 ug/l | | 98 |
| 70) Styrene | 11.969 | 104 | 316002 | 50.431 ug/l | | 100 |
| 71) Bromoform | 12.133 | 173 | 58316 | 48.247 ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 493694 | 49.774 ug/l | | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 128988 | 51.162 ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 84288 | 48.150 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 113156 | 85.685 ug/l | # | 100 |
| 77) Bromobenzene | 12.536 | 156 | 114266 | 49.529 ug/l | | 99 |
| 78) n-propylbenzene | 12.597 | 91 | 595911 | 49.510 ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 339722 | 49.181 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 403527 | 49.604 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 29544 | 49.724 ug/l | | 99 |
| 82) 4-Chlorotoluene | 12.780 | 91 | 353786 | 49.408 ug/l | | 99 |
| 83) tert-Butylbenzene | 12.999 | 119 | 358344 | 48.765 ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.048 | 105 | 403288 | 49.846 ug/l | | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 515970 | 48.069 ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 435539 | 48.594 ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.292 | 146 | 221110 | 48.450 ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 215487 | 47.797 ug/l | | 100 |
| 89) n-Butylbenzene | 13.621 | 91 | 408995 | 48.491 ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 88564 | 47.306 ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.664 | 146 | 193750 | 48.457 ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 13100 | 47.306 ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 14.926 | 180 | 116572 | 47.769 ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.029 | 225 | 70063 | 45.603 ug/l | | 99 |
| 95) Naphthalene | 15.145 | 128 | 205892 | 50.937 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 98515 | 47.779 ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

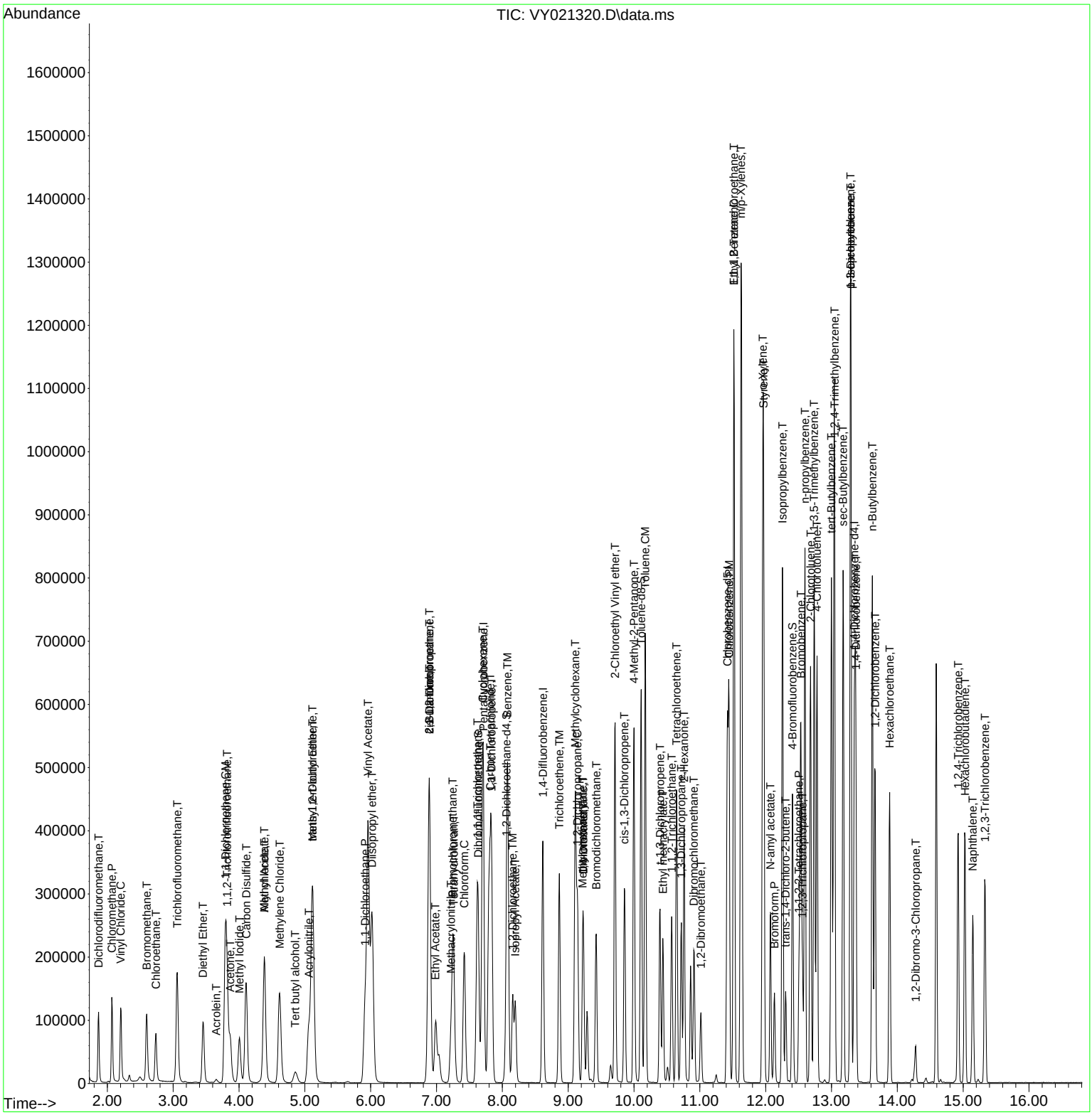
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

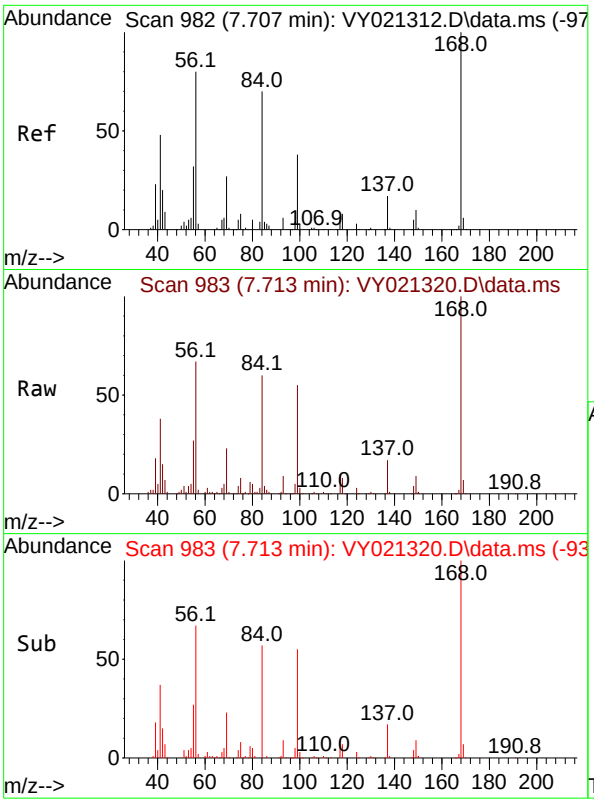
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



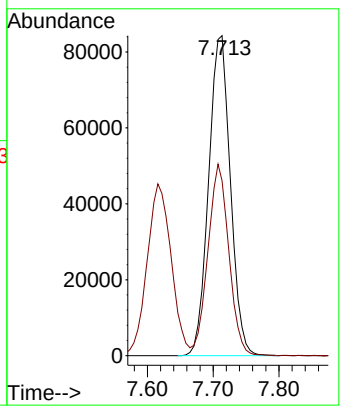


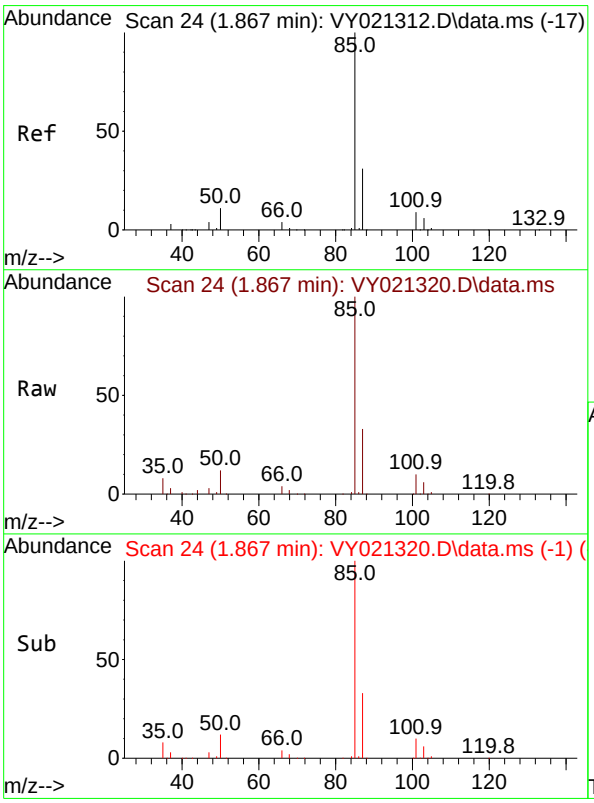

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 193888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.7 | 47.1 | 70.7 |

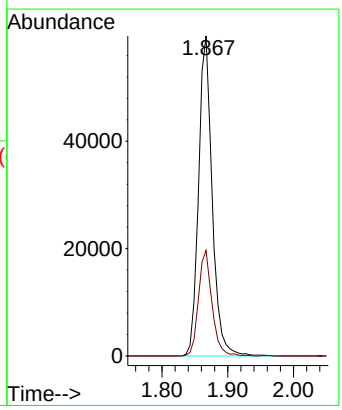


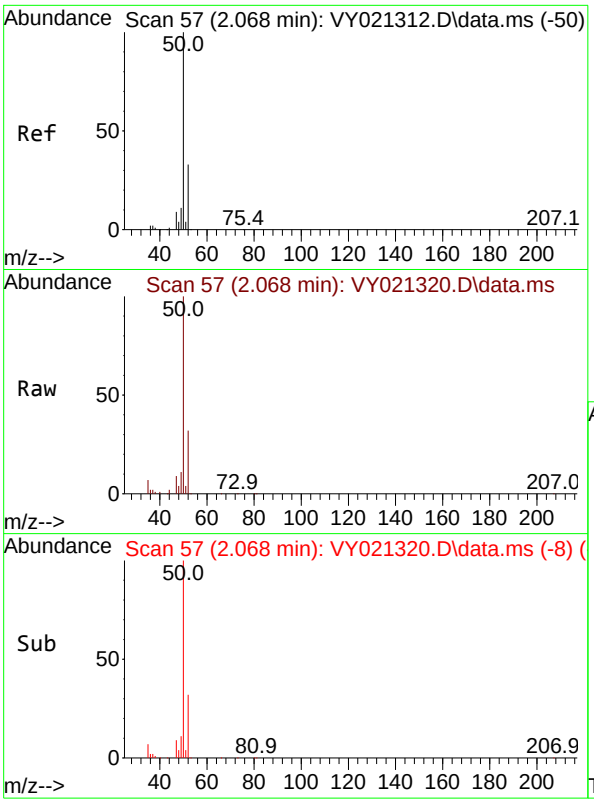




#2
Dichlorodifluoromethane
Concen: 46.640 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 85 Resp: 85738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 15.4 | 46.4 |



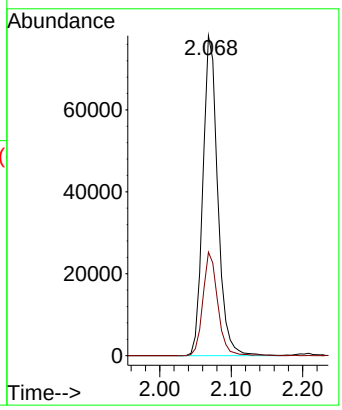


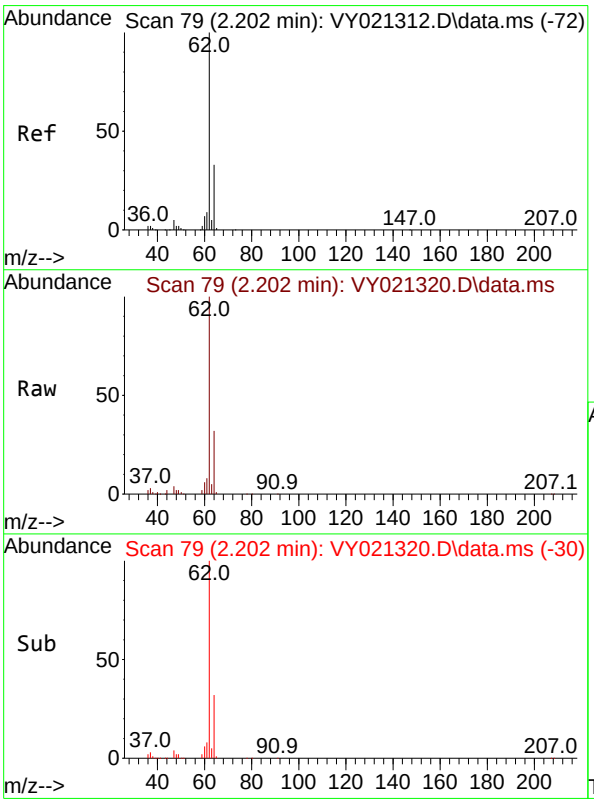

#3
Chloromethane
Concen: 47.473 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 112705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 26.6 | 40.0 |

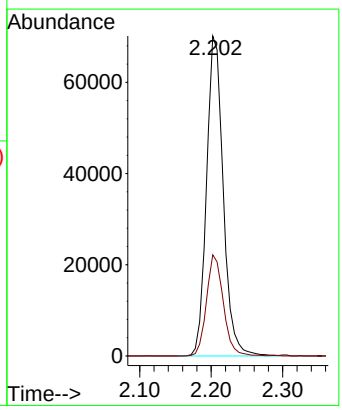


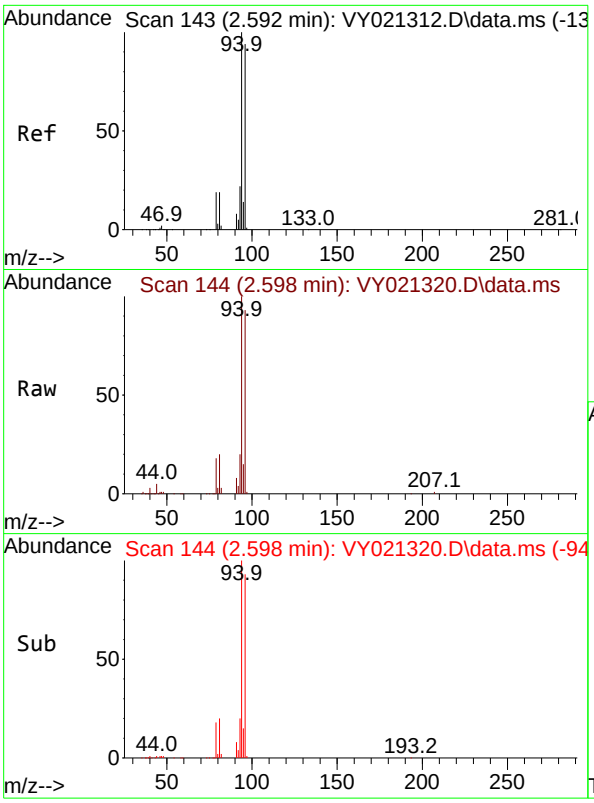




#4
Vinyl Chloride
Concen: 48.798 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 113710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.6 | 26.3 | 39.5 |



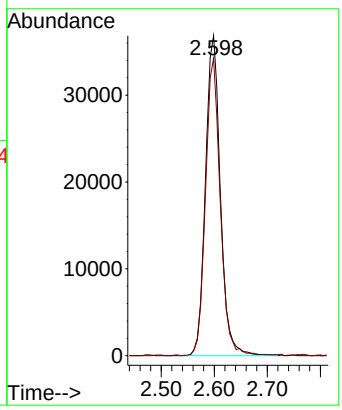


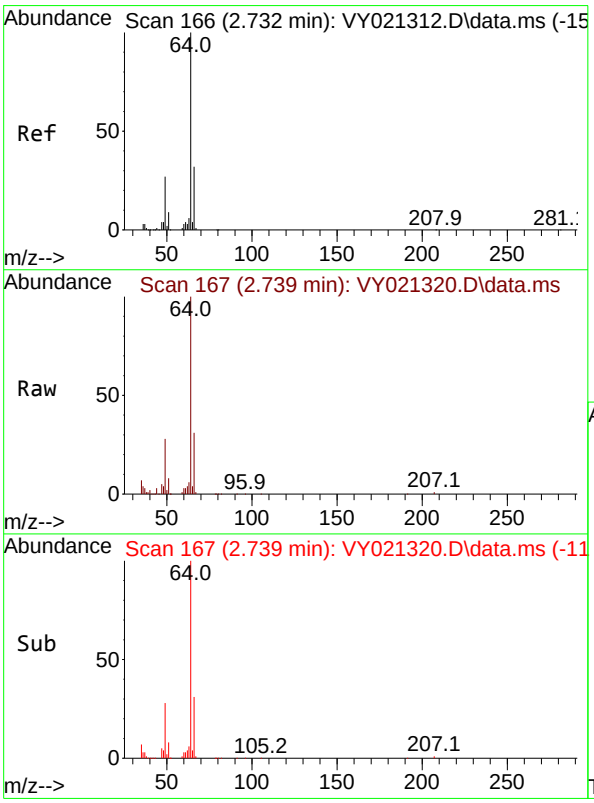

#5
Bromomethane
Concen: 46.361 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 71789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.6 | 75.2 | 112.8 |

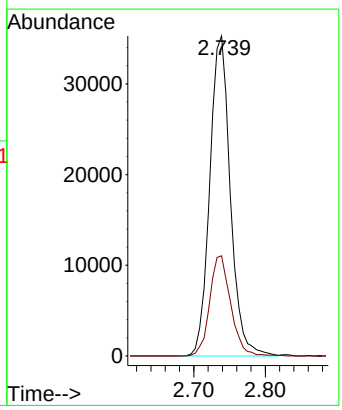


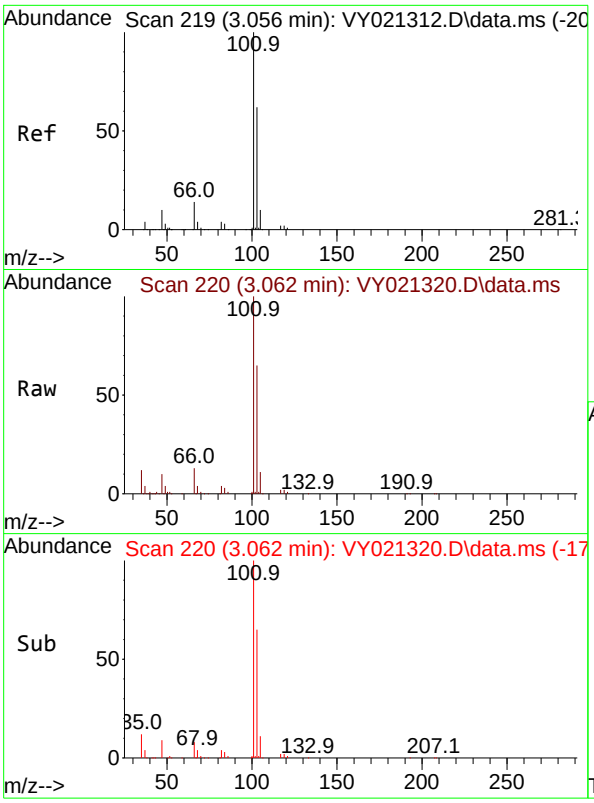




#6
Chloroethane
Concen: 48.772 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 64 Resp: 70476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 25.4 | 38.0 |



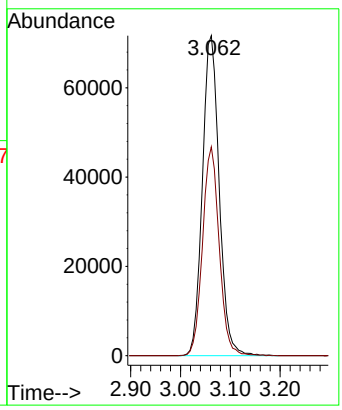


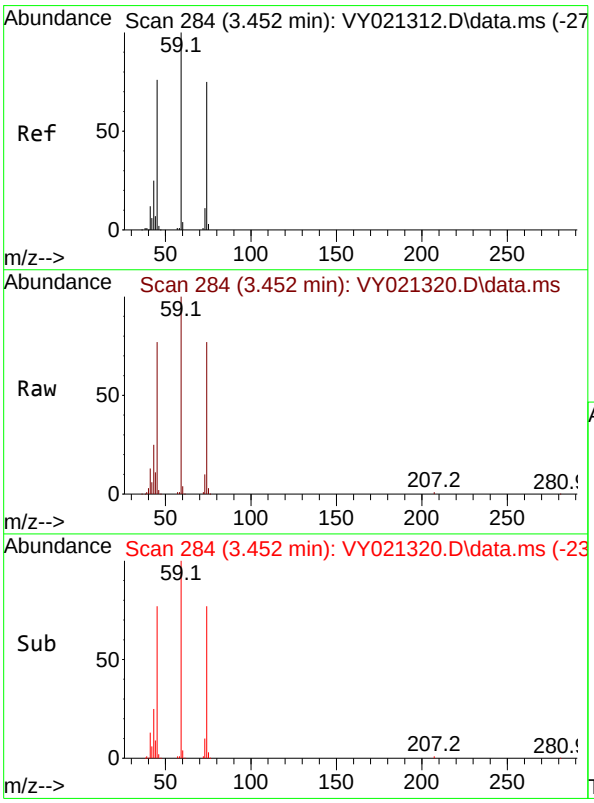

#7
Trichlorofluoromethane
Concen: 47.701 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 167868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 49.7 | 74.5 |

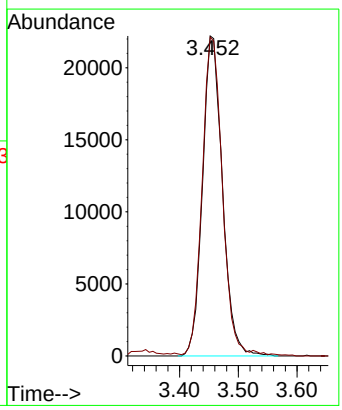


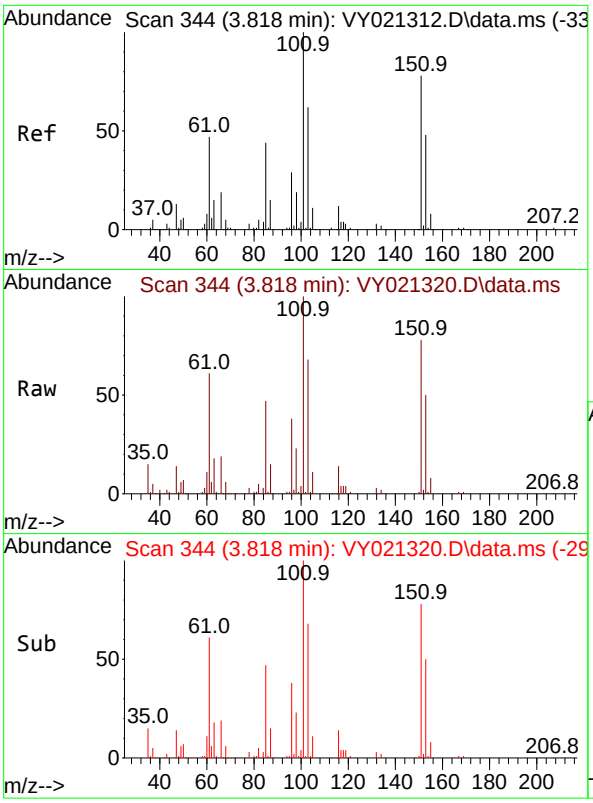




#8
Diethyl Ether
Concen: 49.537 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 74 Resp: 52323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.2 | 50.3 | 150.9 |



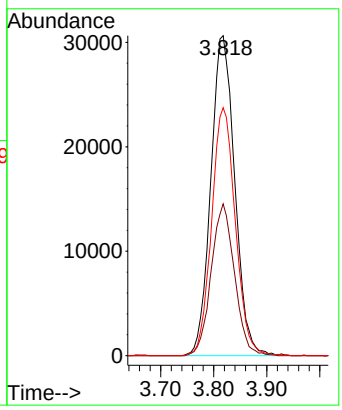


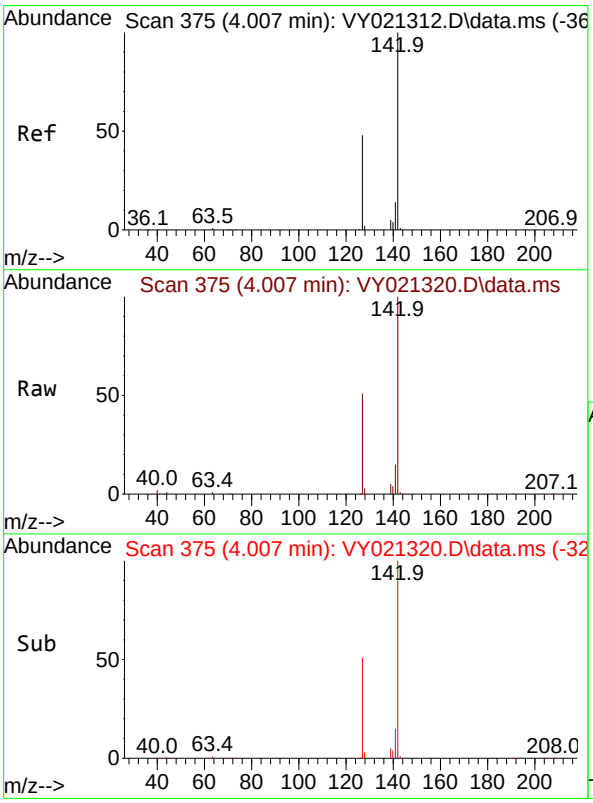

#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.169 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 96104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.2 | 36.7 | 55.1 |
| 151 | 77.0 | 62.6 | 94.0 |

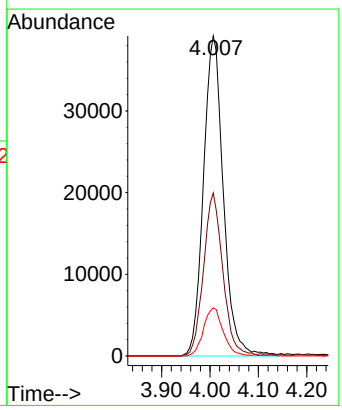


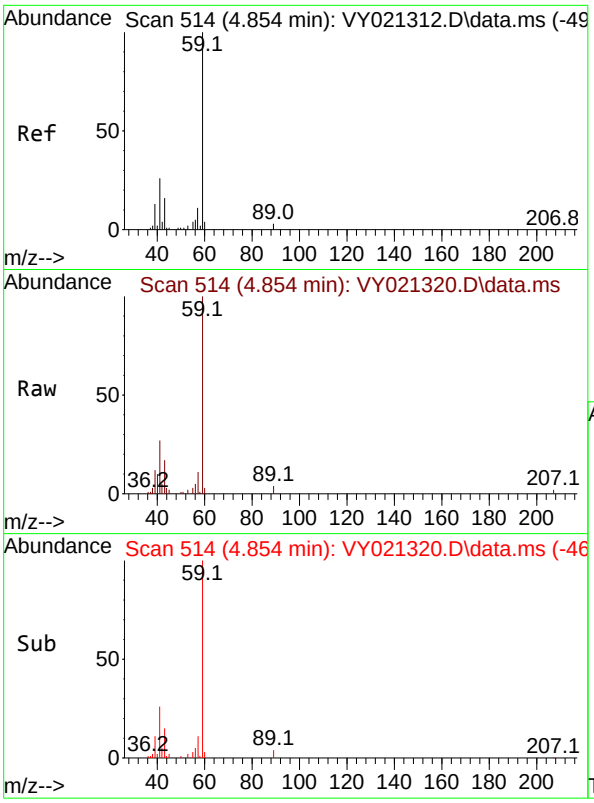




#10
Methyl Iodide
Concen: 52.212 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:142 Resp: 111918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.4 | 39.2 | 58.8 |
| 141 | 14.8 | 11.4 | 17.2 |



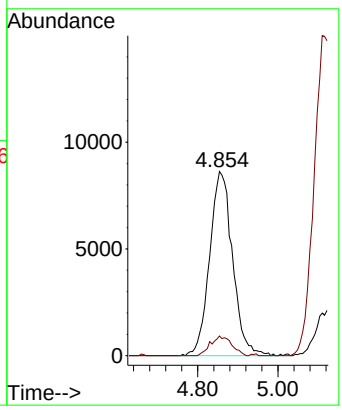


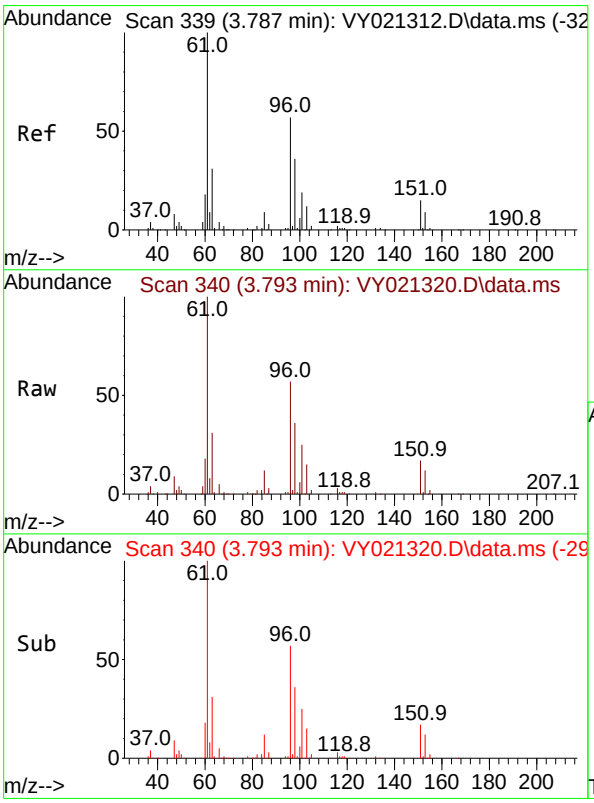

#11
Tert butyl alcohol
Concen: 202.221 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 34212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.8 | 8.3 | 12.5 |

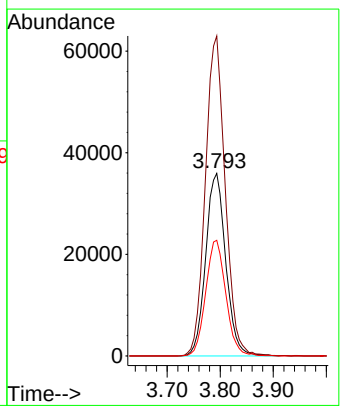


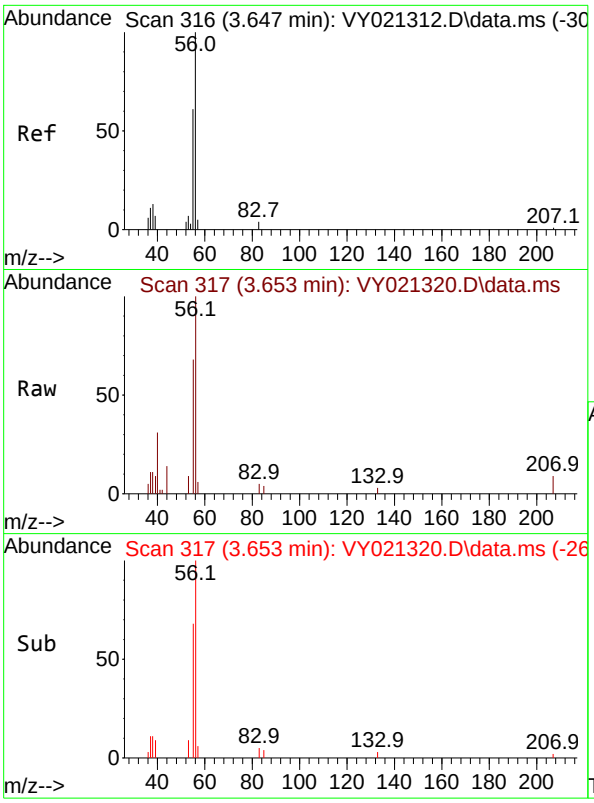




#12
1,1-Dichloroethene
Concen: 48.413 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 94447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.2 | 139.7 | 209.5 |
| 98 | 63.3 | 49.7 | 74.5 |



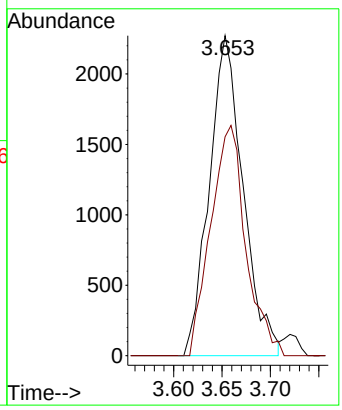


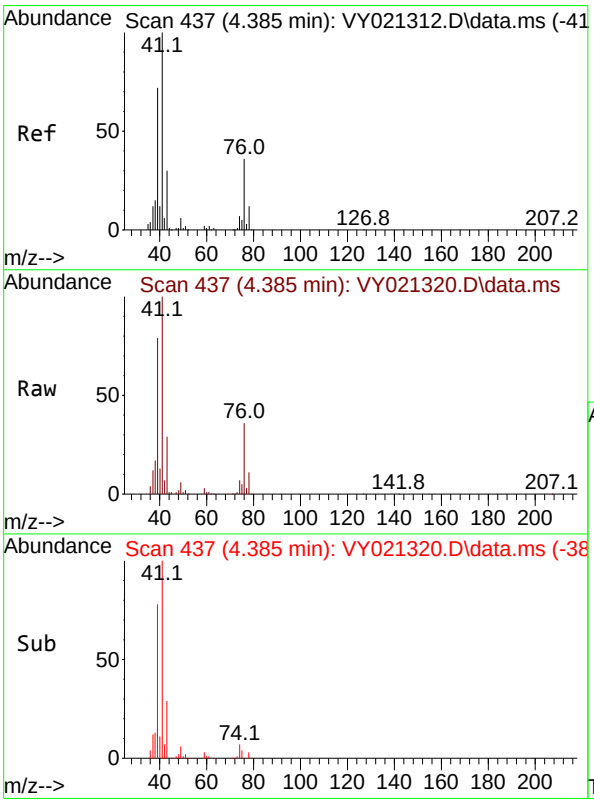

#13
Acrolein
Concen: 42.624 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 5526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.4 | 59.0 | 88.6 |

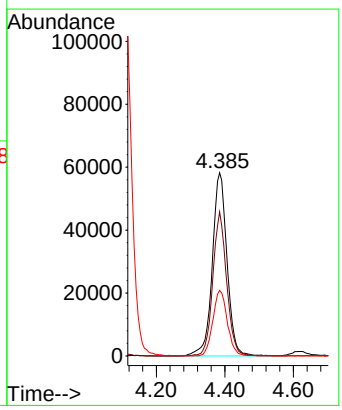


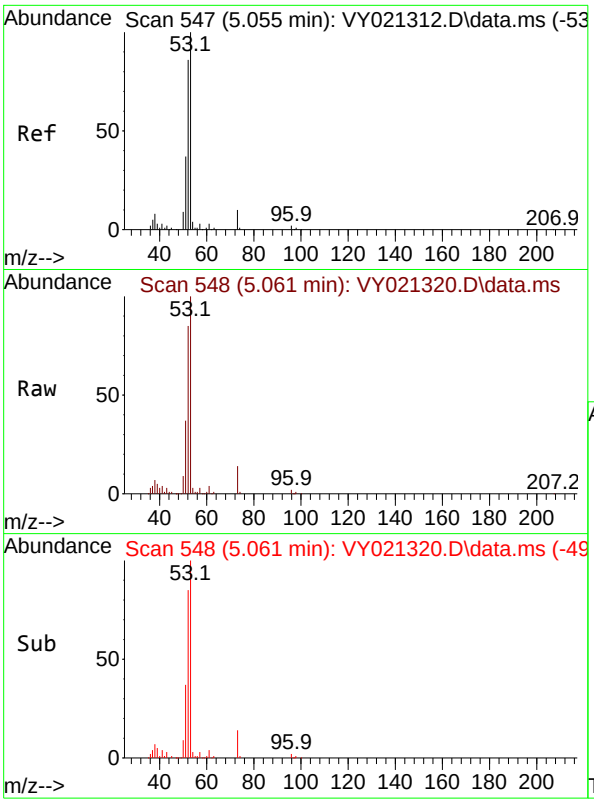




#14
Allyl chloride
Concen: 50.242 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 173778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.8 | 60.0 | 90.0 |
| 76 | 35.2 | 29.0 | 43.6 |



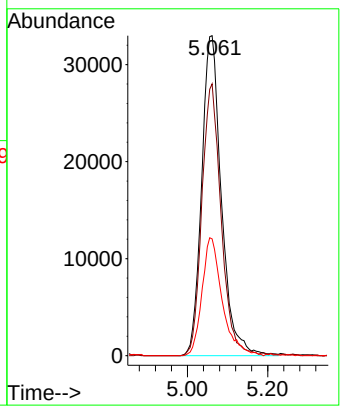


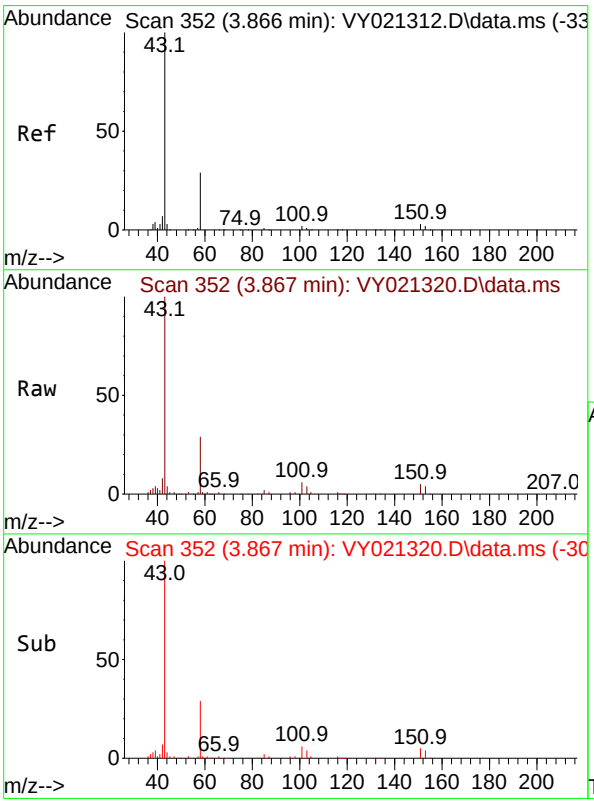

#15
Acrylonitrile
Concen: 241.892 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 112963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 65.5 | 98.3 |
| 51 | 37.7 | 30.6 | 46.0 |

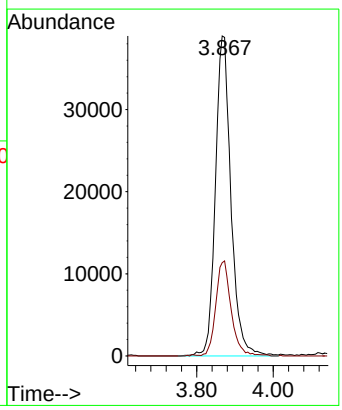


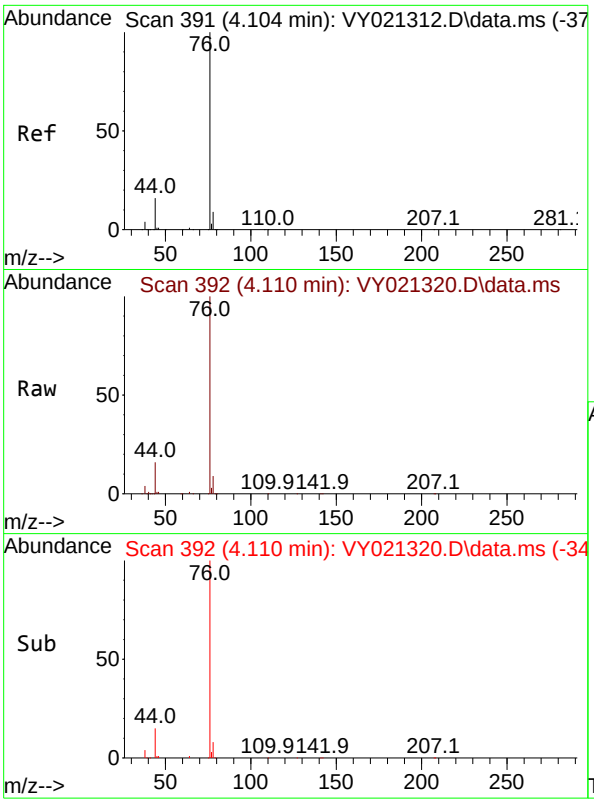




#16
Acetone
Concen: 260.267 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 109810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.2 | 23.5 | 35.3 |



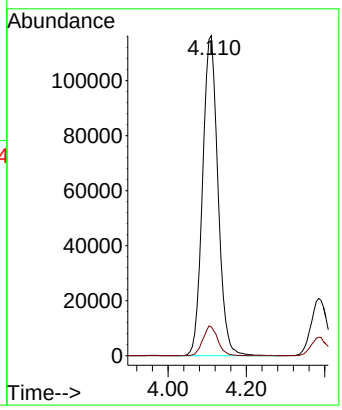


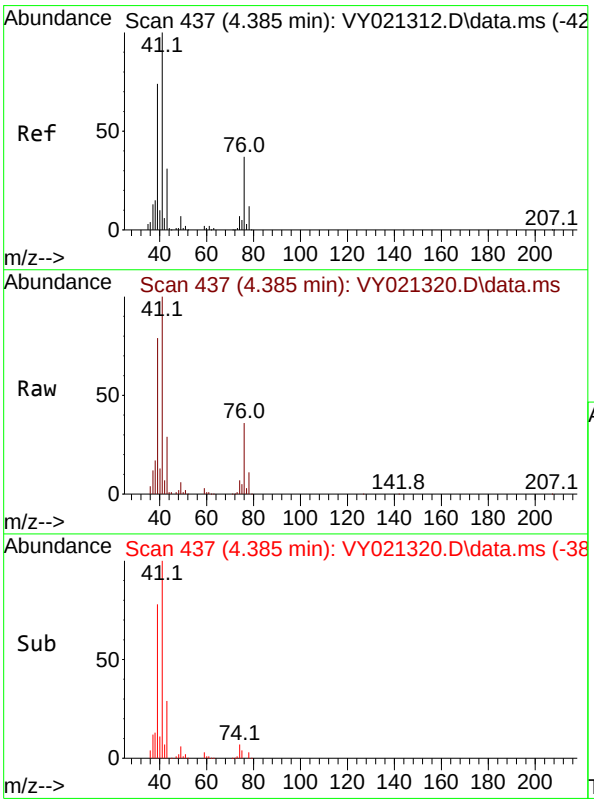

#17
Carbon Disulfide
Concen: 48.712 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 315561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.1 | 10.7 |

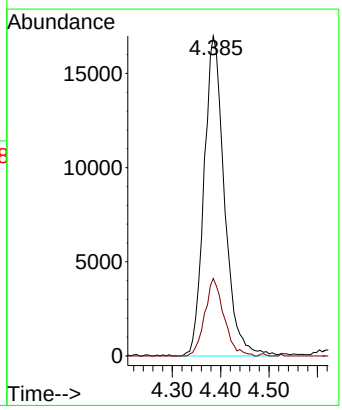


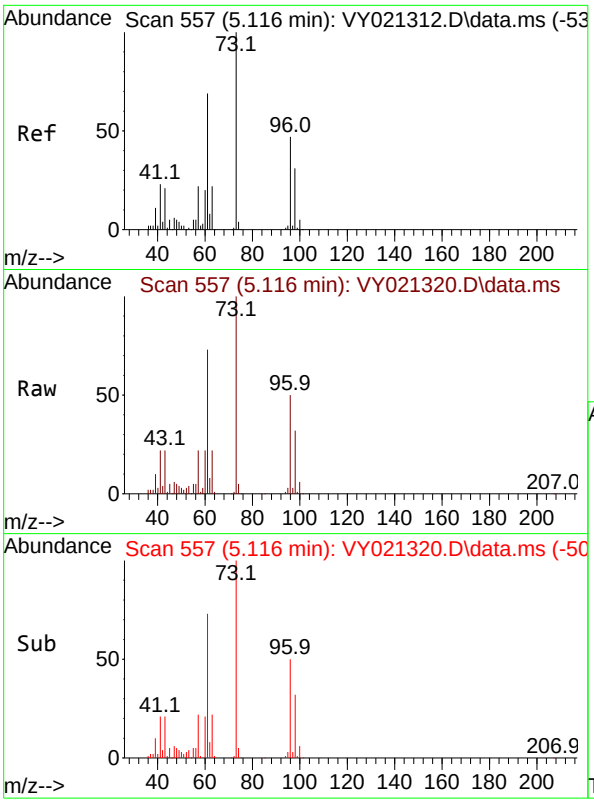




#18
Methyl Acetate
Concen: 48.342 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 49846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 17.7 | 26.5 |



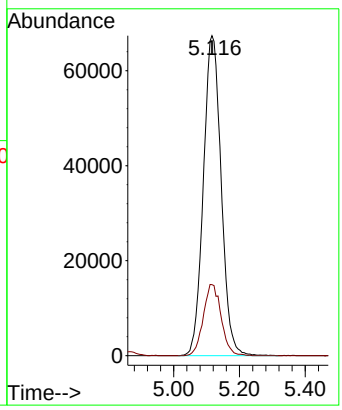


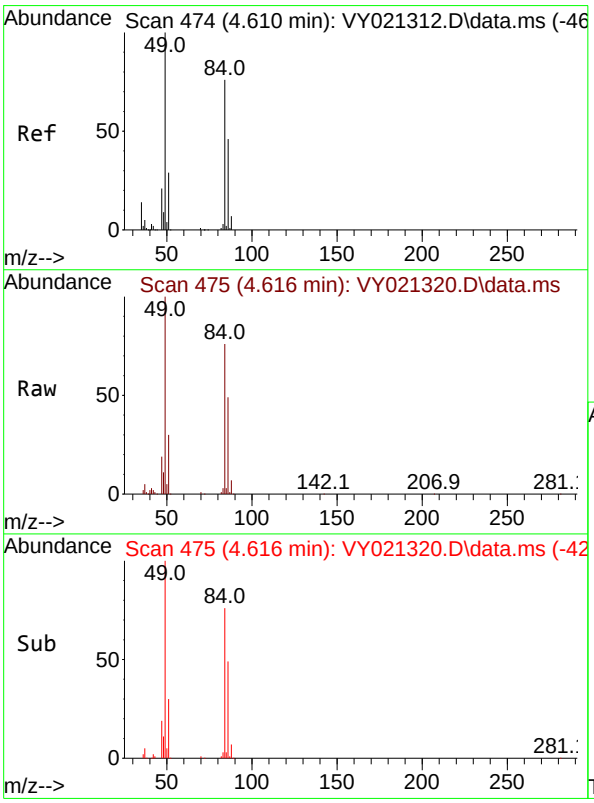

#19
Methyl tert-butyl Ether
Concen: 49.206 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 253623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.4 | 26.0 |

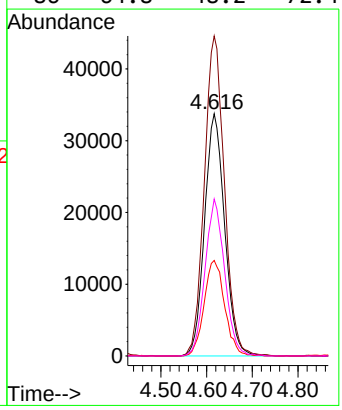


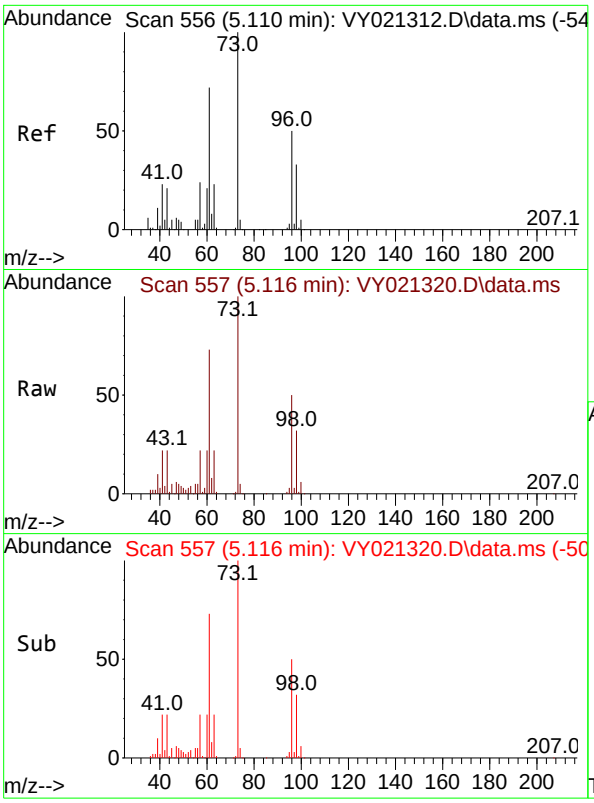




#20
Methylene Chloride
Concen: 45.263 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 84 Resp: 103268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 132.1 | 105.1 | 157.7 |
| 51 | 39.5 | 31.0 | 46.4 |
| 86 | 64.8 | 48.2 | 72.4 |



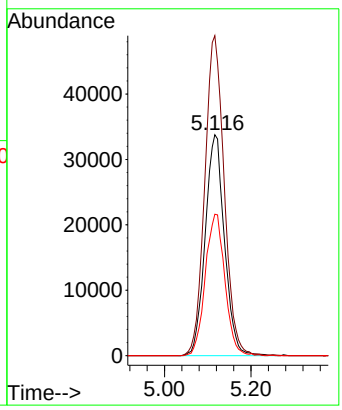


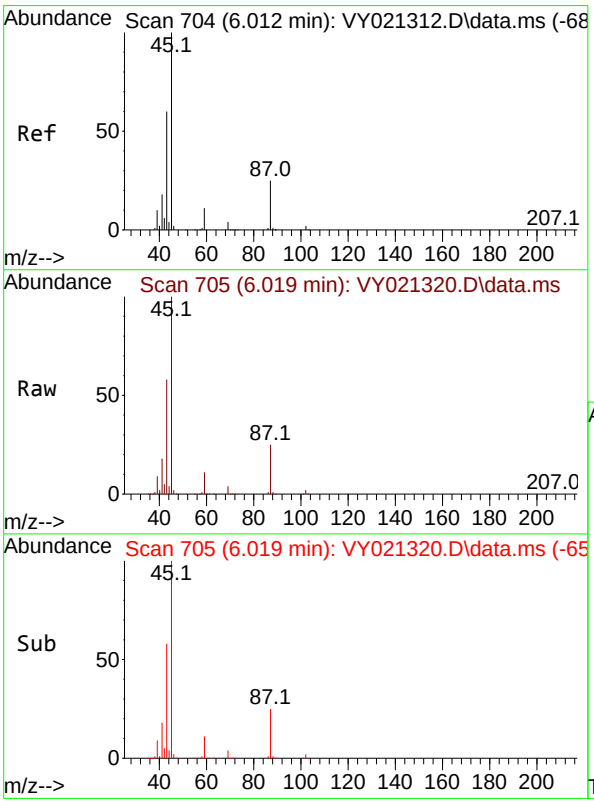

#21
trans-1,2-Dichloroethene
Concen: 48.708 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 104607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.8 | 116.3 | 174.5 |
| 98 | 64.0 | 52.6 | 78.8 |

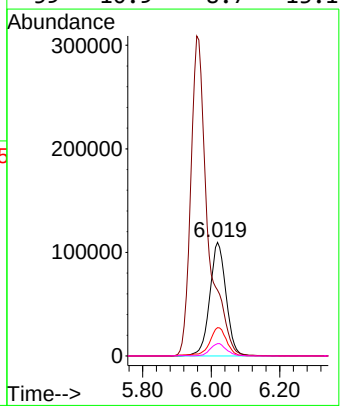


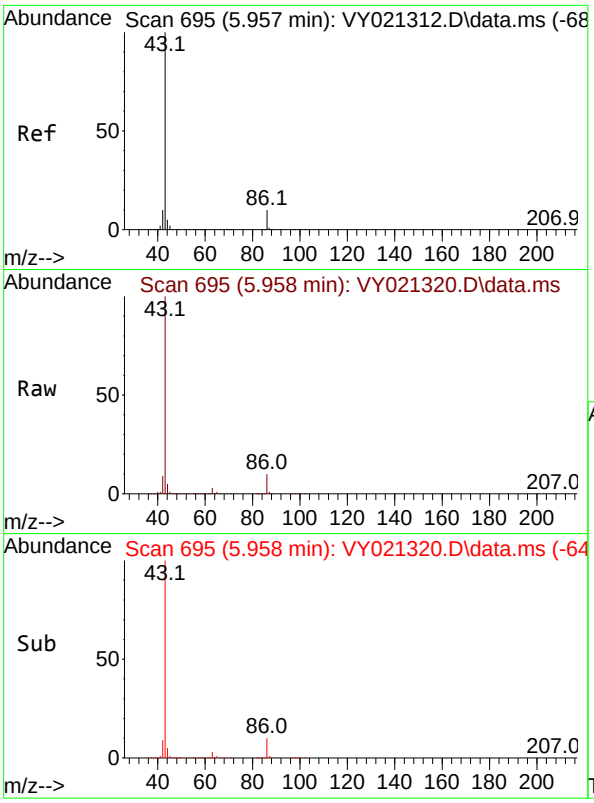




#22
Diisopropyl ether
Concen: 50.442 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 45 Resp: 361038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 57.7 | 48.2 | 72.4 |
| 87 | 24.9 | 20.3 | 30.5 |
| 59 | 10.9 | 8.7 | 13.1 |



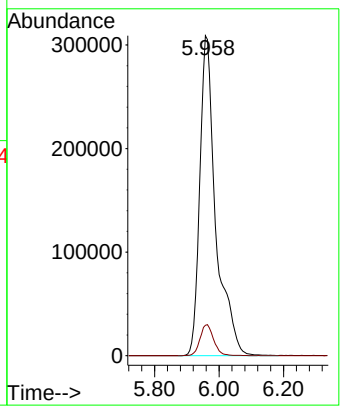


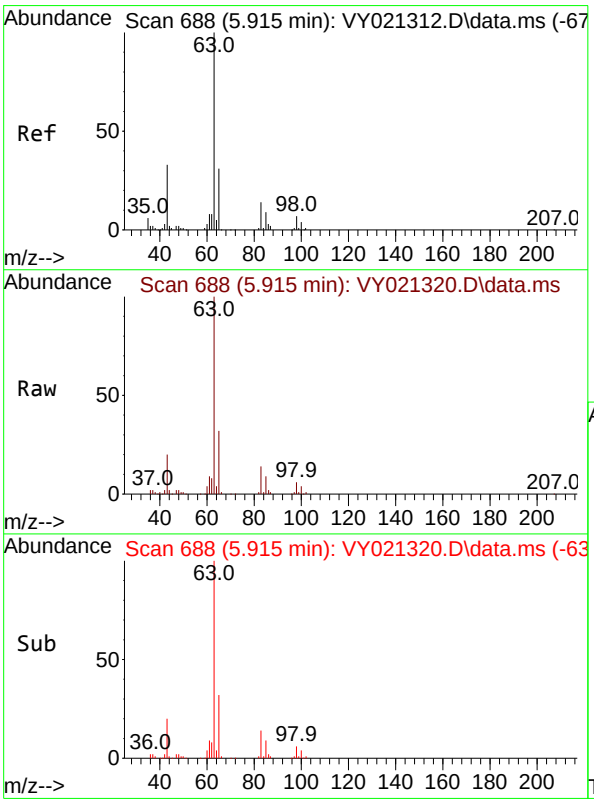

#23
Vinyl Acetate
Concen: 249.197 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 1065848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.5 | 8.0 | 12.0 |

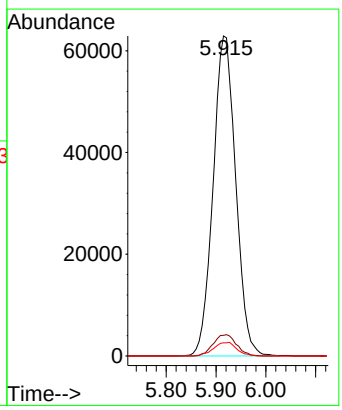


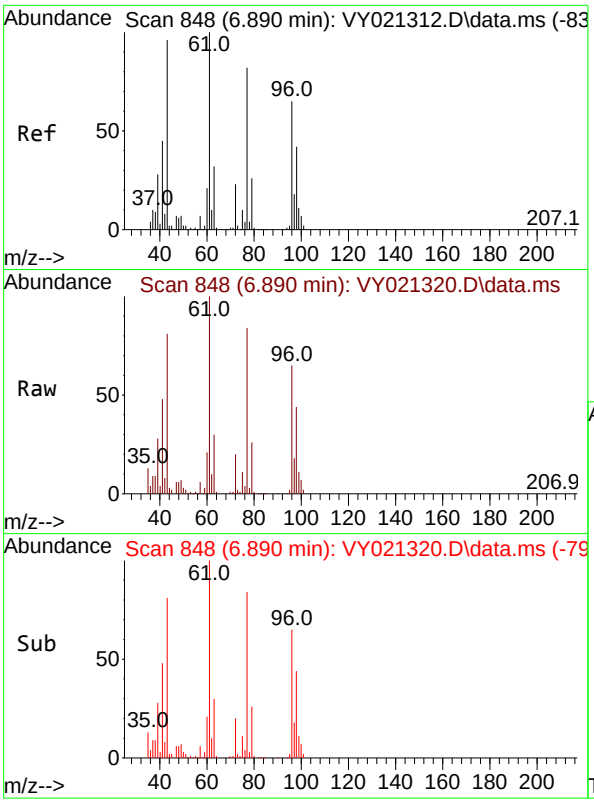




#24
1,1-Dichloroethane
Concen: 49.069 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 197949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.4 | 3.7 | 11.1 |
| 100 | 4.1 | 2.1 | 6.5 |



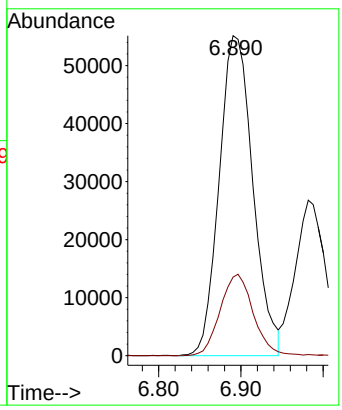


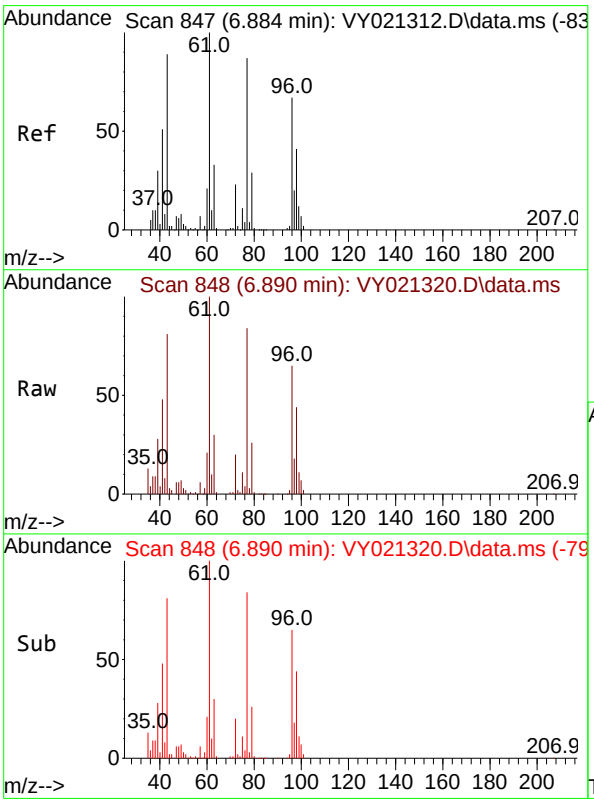

#25
2-Butanone
Concen: 246.999 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 157281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.5 | 19.0 | 28.6 |

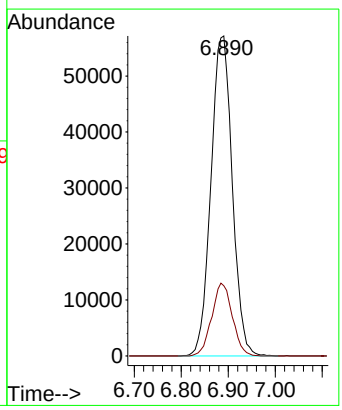


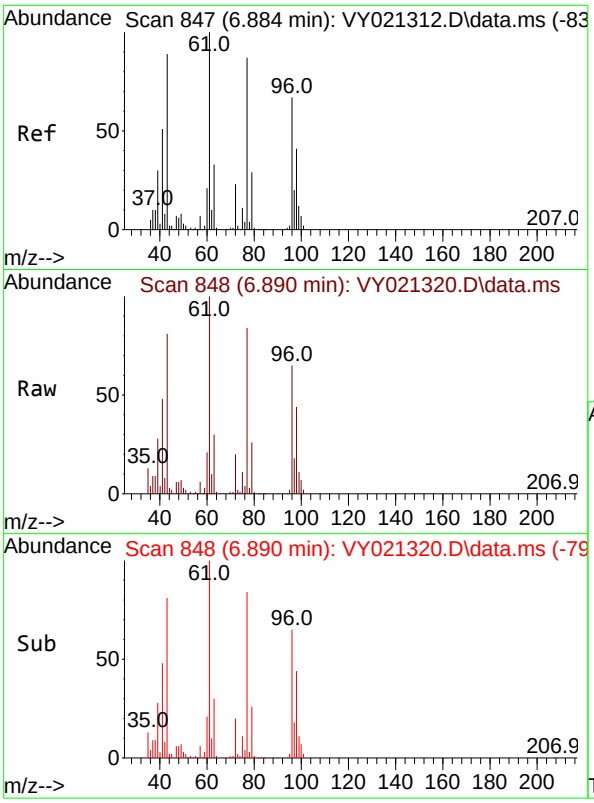




#26
2,2-Dichloropropane
Concen: 49.191 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 77 Resp: 180065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.9 | 10.9 | 32.7 |



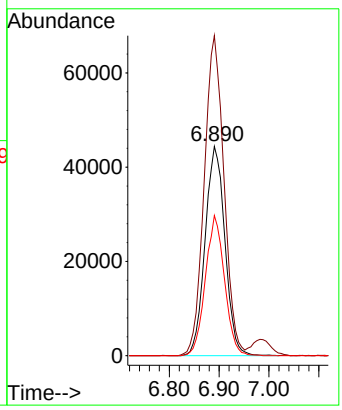


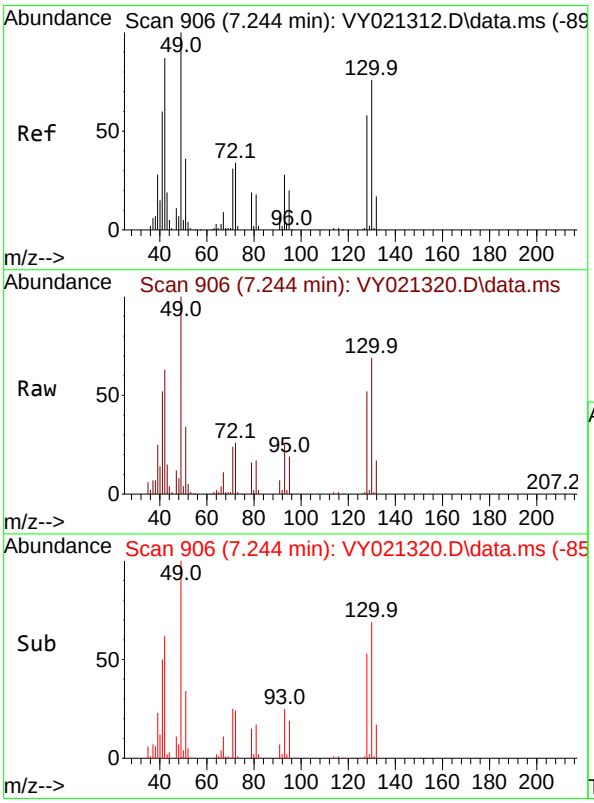

#27
cis-1,2-Dichloroethene
Concen: 50.053 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 122751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.2 | 0.0 | 308.0 |
| 98 | 64.6 | 0.0 | 129.6 |

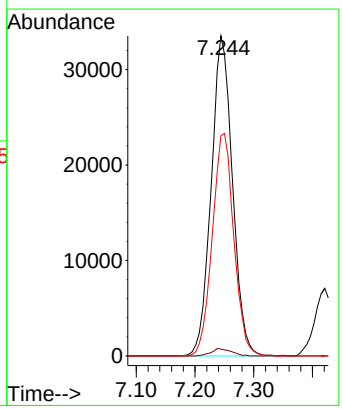


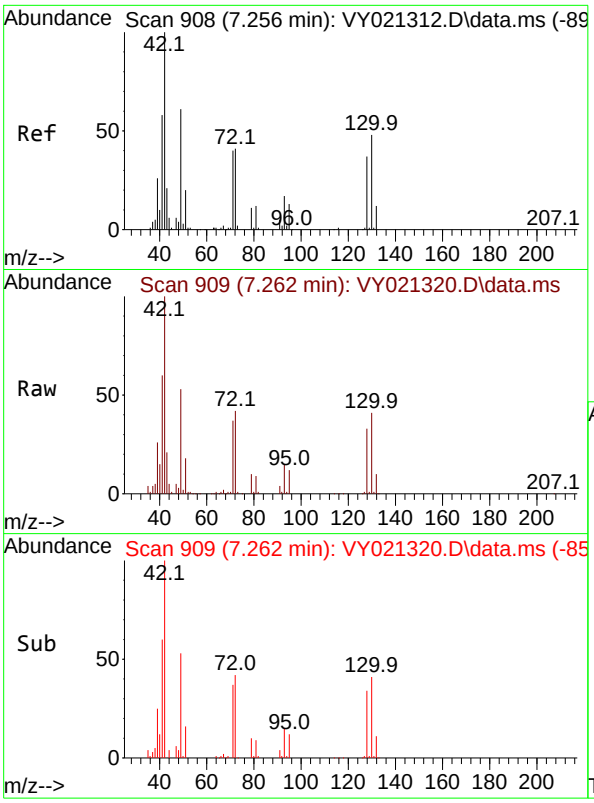




#28
Bromochloromethane
Concen: 47.247 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 49 Resp: 84337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.0 |
| 130 | 70.3 | 57.8 | 86.6 |



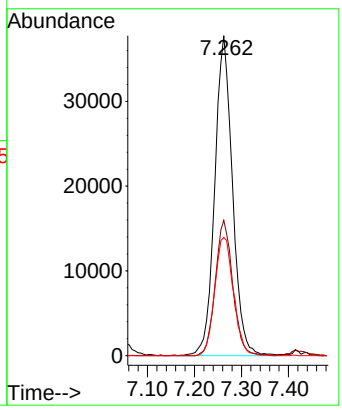


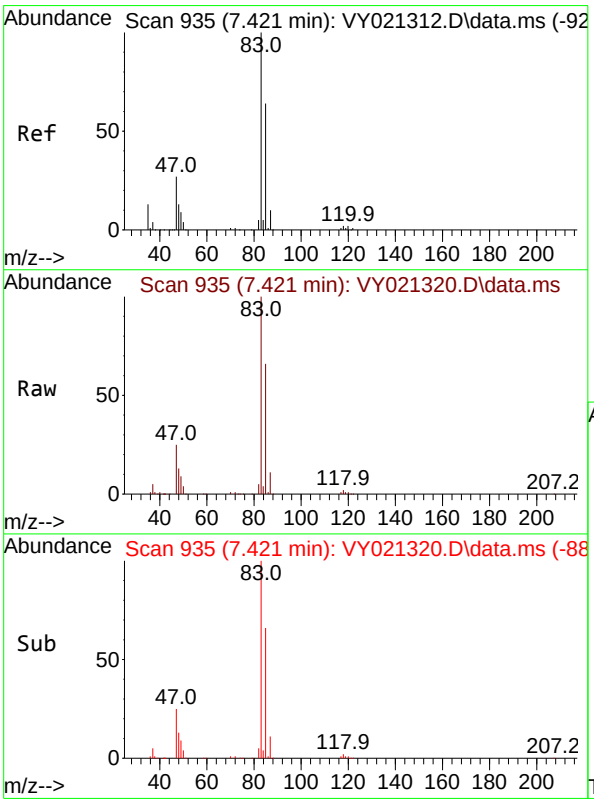

#29
Tetrahydrofuran
Concen: 238.435 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 99242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.6 | 33.1 | 49.7 |
| 71 | 39.1 | 31.4 | 47.0 |

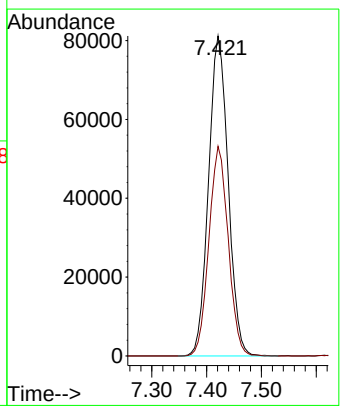


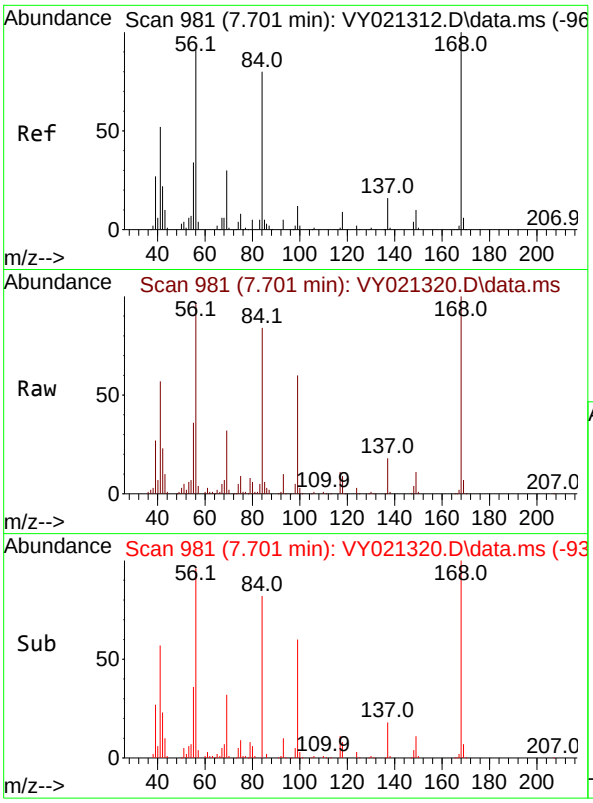




#30
Chloroform
Concen: 49.253 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 201334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 51.6 | 77.4 |



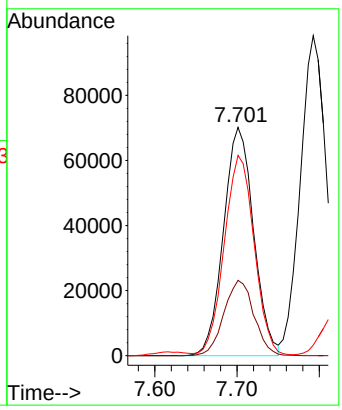


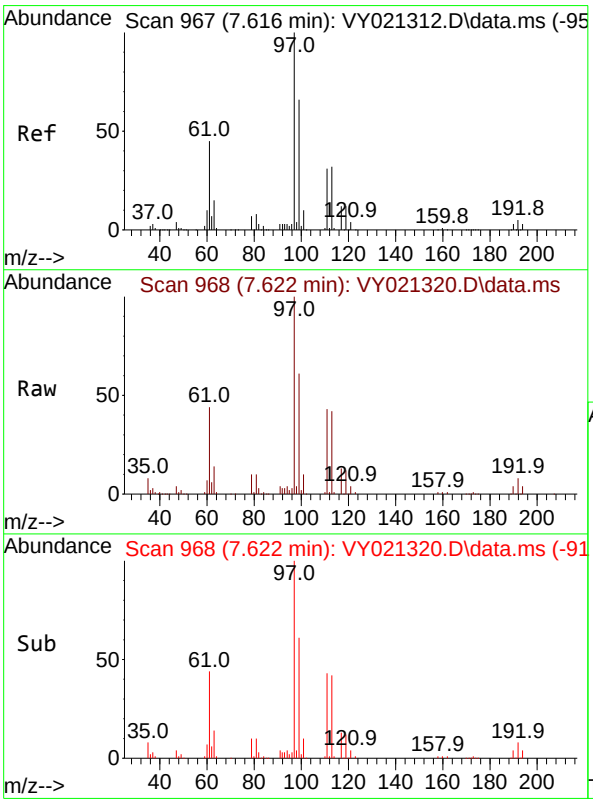

#31
Cyclohexane
Concen: 46.094 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 178746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.0 | 26.2 | 39.4 |
| 84 | 86.1 | 70.2 | 105.4 |

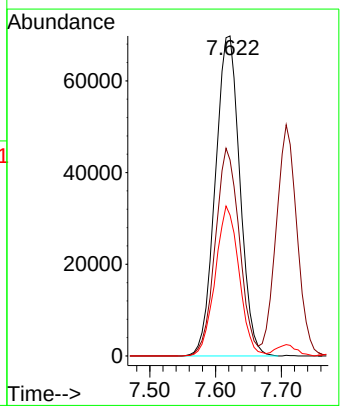


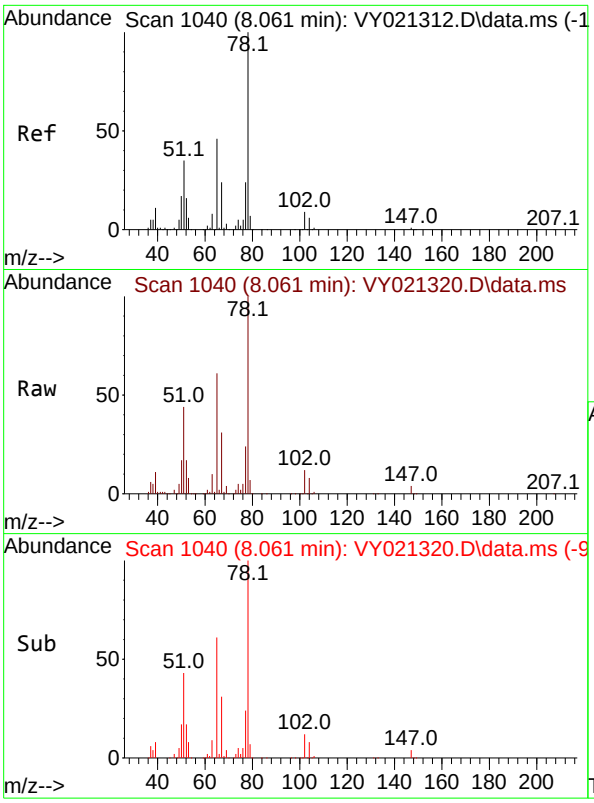




#32
1,1,1-Trichloroethane
Concen: 48.795 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 97 Resp: 181553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 52.4 | 78.6 |
| 61 | 45.6 | 36.2 | 54.2 |



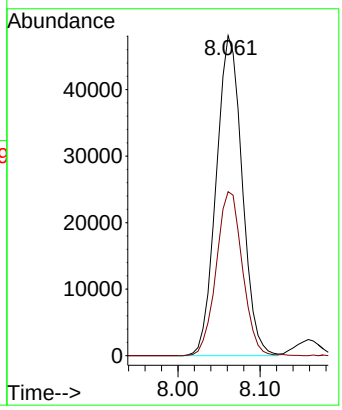


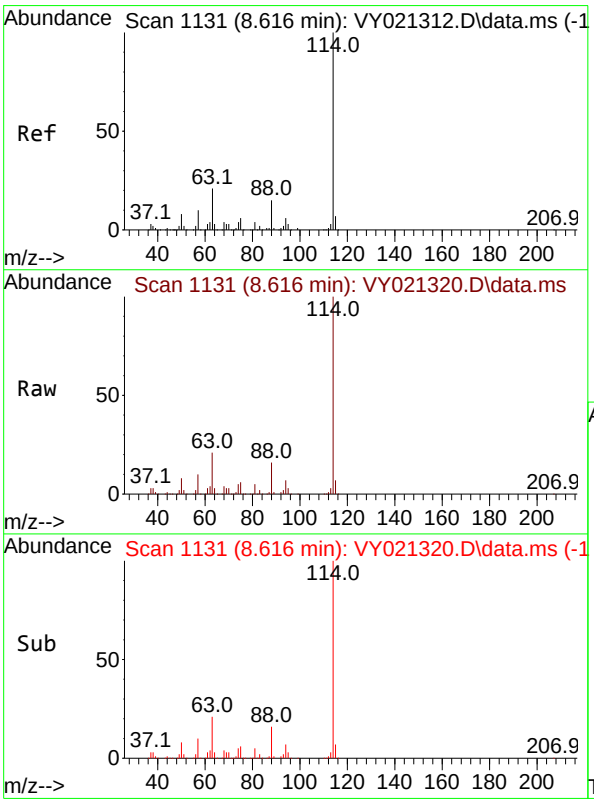

#33
1,2-Dichloroethane-d4
Concen: 47.987 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 105547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 103.6 |

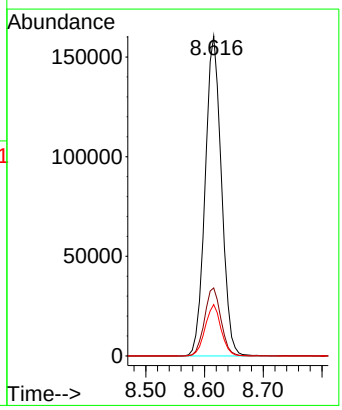


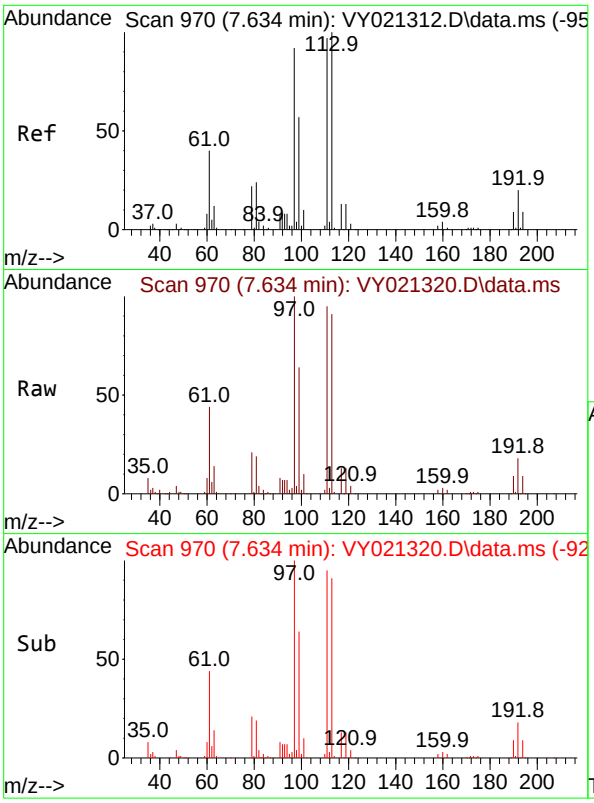




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:114 Resp: 308714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 42.2 |
| 88 | 16.0 | 0.0 | 29.8 |



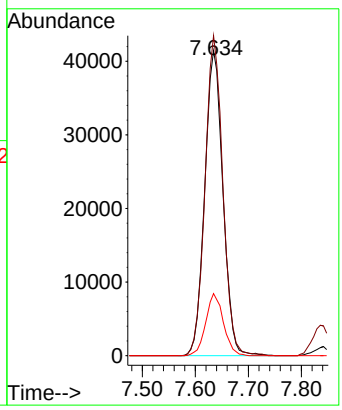


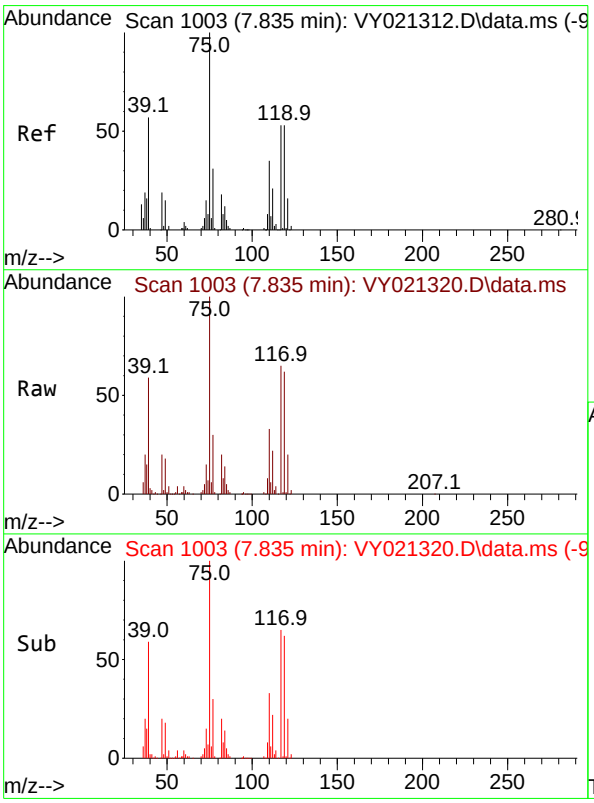

#35
Dibromofluoromethane
Concen: 48.743 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 98654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |

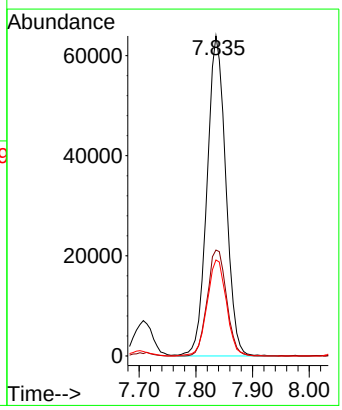


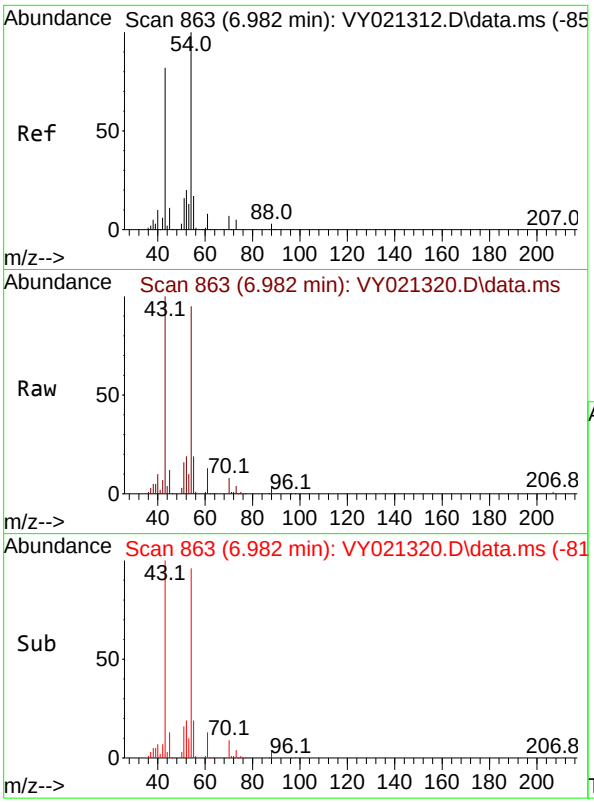




#36
1,1-Dichloropropene
Concen: 48.254 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 146702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.1 | 16.9 | 50.7 |
| 77 | 30.9 | 24.6 | 36.8 |



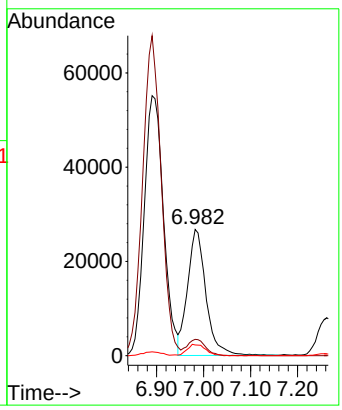


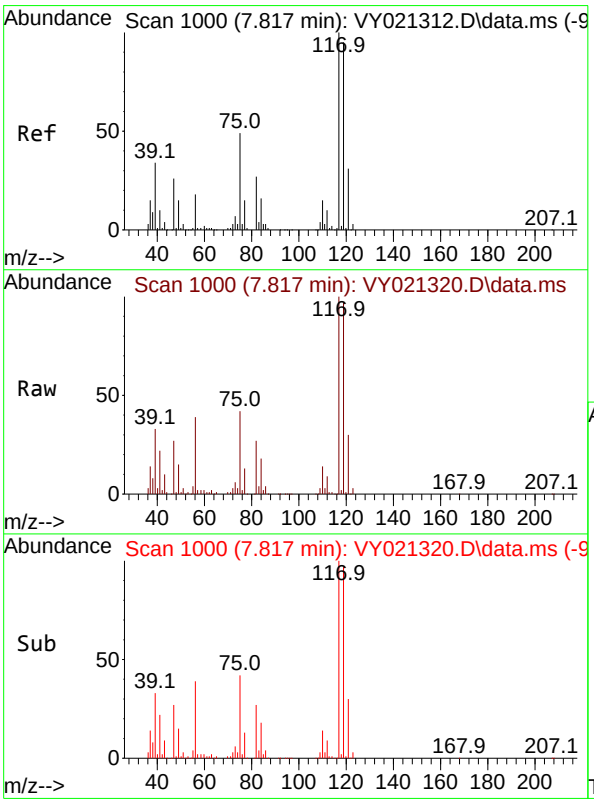

#37
Ethyl Acetate
Concen: 48.080 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 72710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 10.4 | 15.6 |
| 70 | 9.2 | 7.5 | 11.3 |

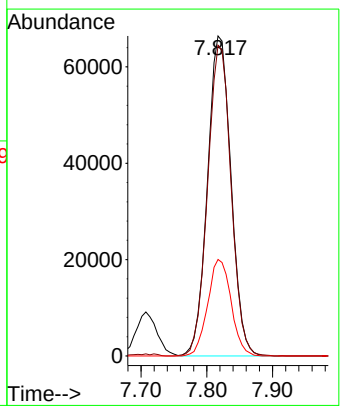


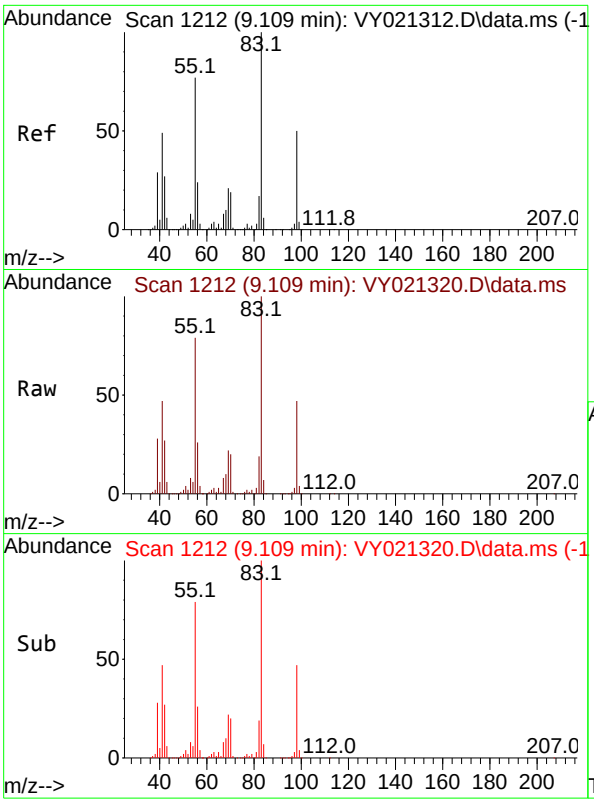




#38
Carbon Tetrachloride
Concen: 48.402 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 165430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.1 | 76.0 | 114.0 |
| 121 | 30.1 | 24.9 | 37.3 |



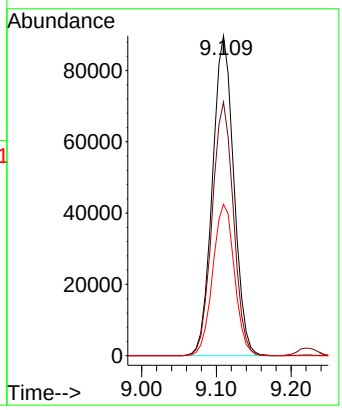


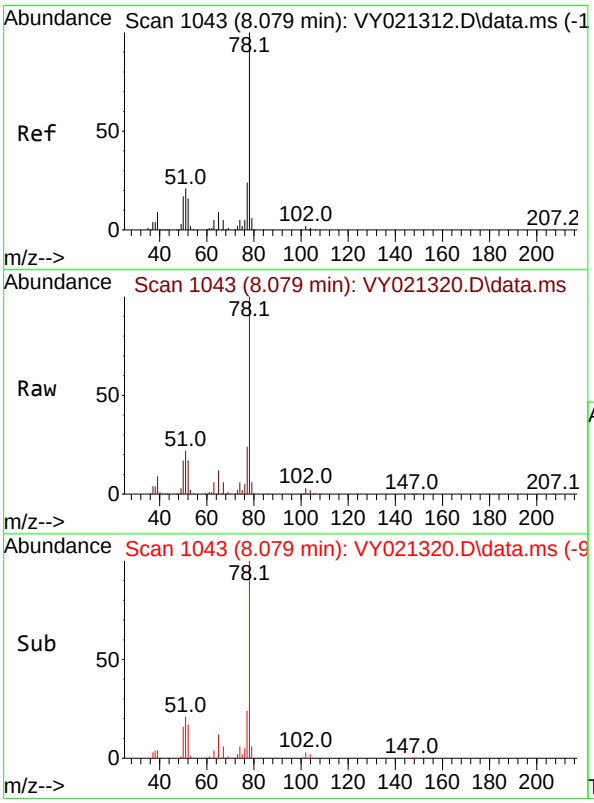

#39
Methylcyclohexane
Concen: 46.422 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 178508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.2 | 61.3 | 91.9 |
| 98 | 47.3 | 39.9 | 59.9 |

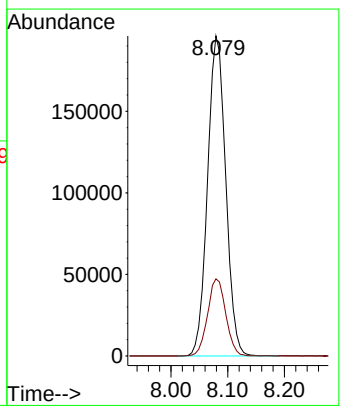


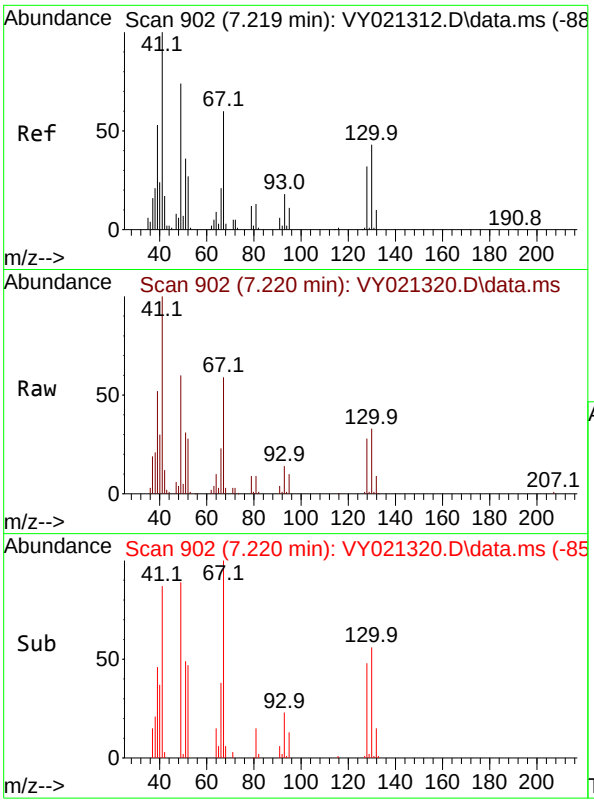




#40
Benzene
Concen: 48.593 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 78 Resp: 436709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.2 | 28.8 |



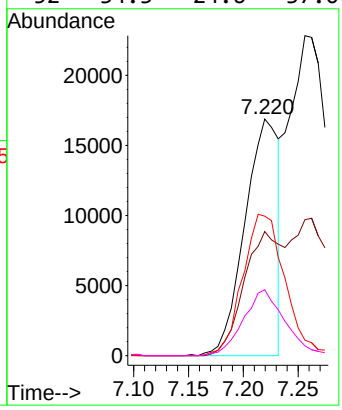


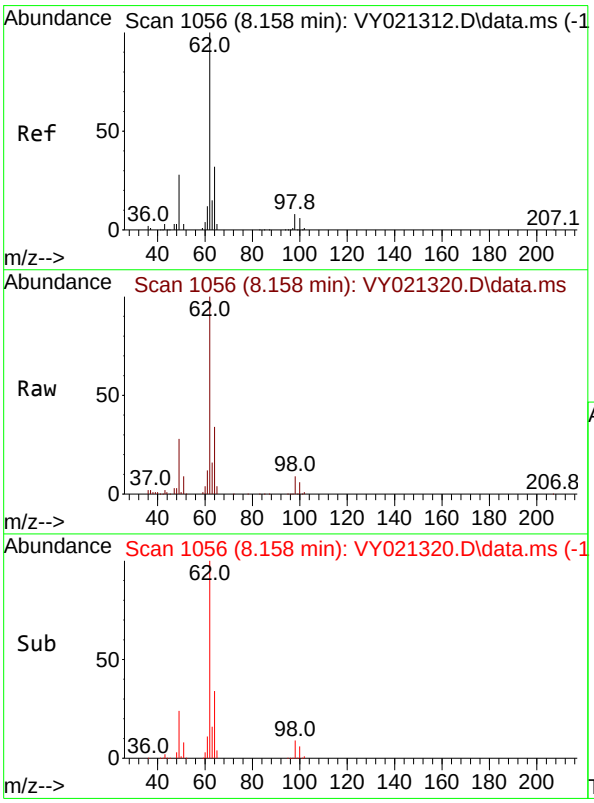

#41
Methacrylonitrile
Concen: 42.766 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 36160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 61.0 | 42.3 | 63.5 |
| 67 | 75.4 | 54.8 | 82.2 |
| 52 | 34.3 | 24.6 | 37.0 |

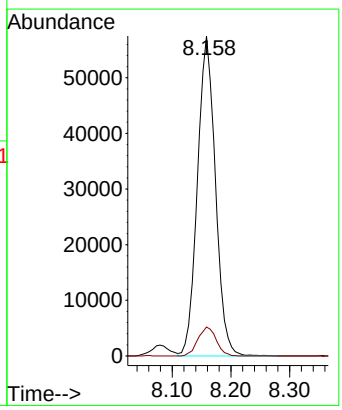


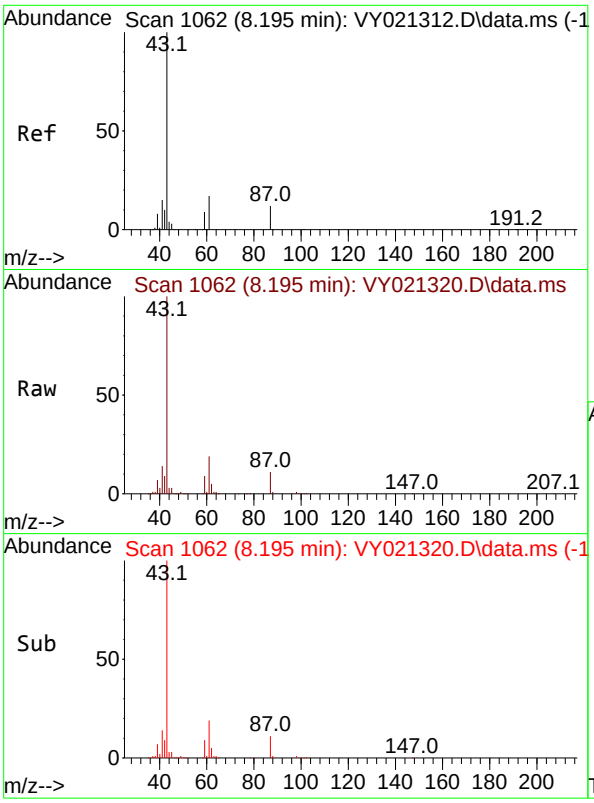




#42
1,2-Dichloroethane
Concen: 47.978 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 122335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 0.0 | 17.6 |



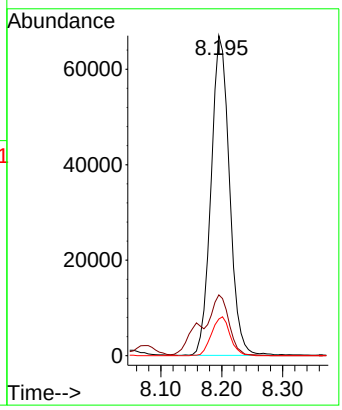


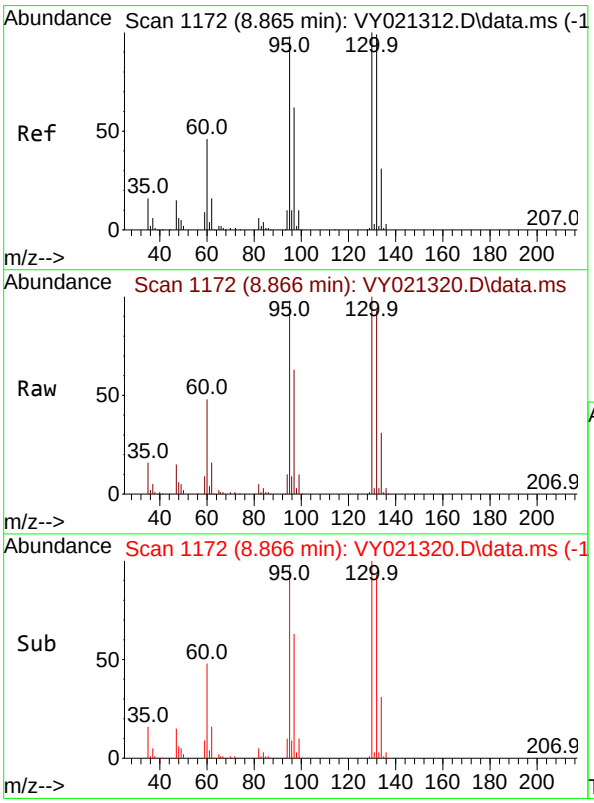

#43
Isopropyl Acetate
Concen: 47.984 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 140455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.0 | 22.6 |
| 87 | 12.3 | 10.0 | 15.0 |

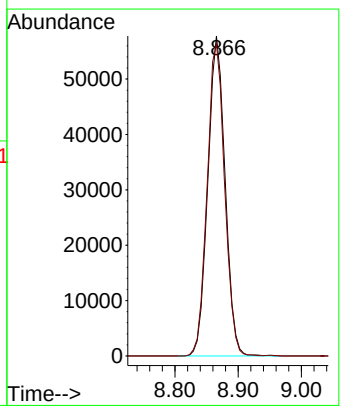


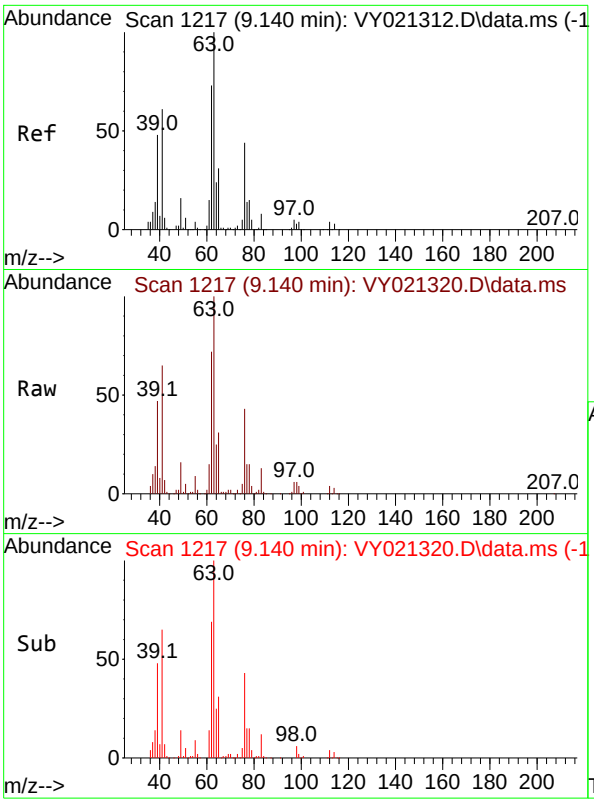




#44
Trichloroethene
Concen: 48.665 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:130 Resp: 109499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.5 | 0.0 | 196.0 |



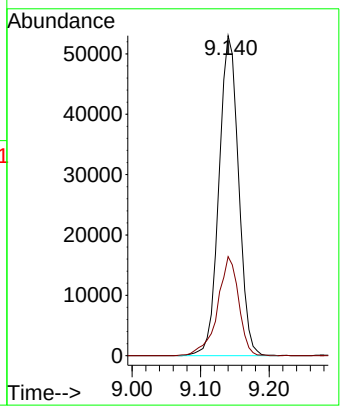


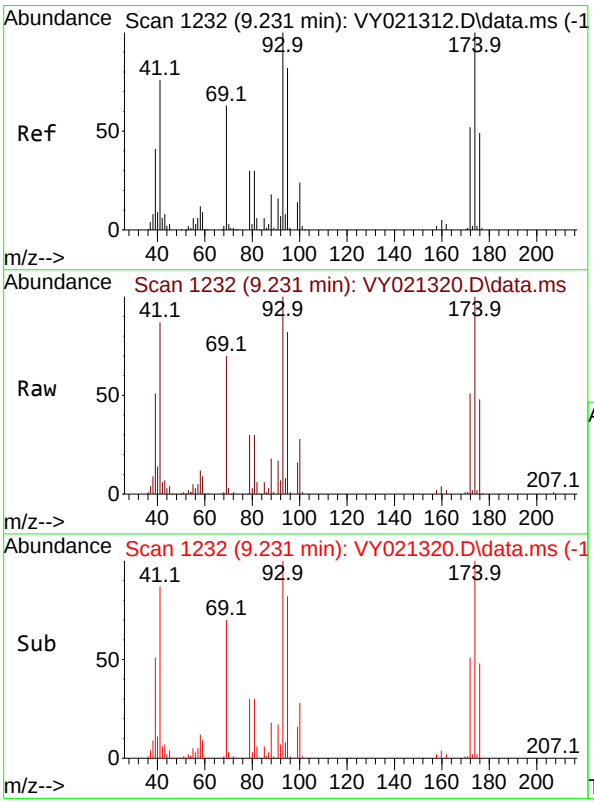

#45
1,2-Dichloropropane
Concen: 48.637 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 105190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.9 | 24.6 | 36.8 |

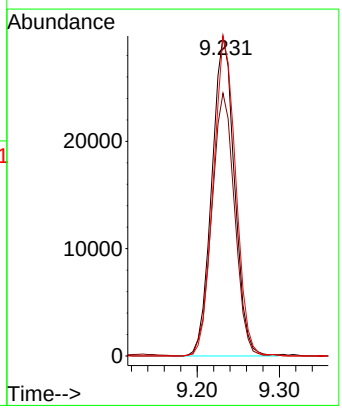


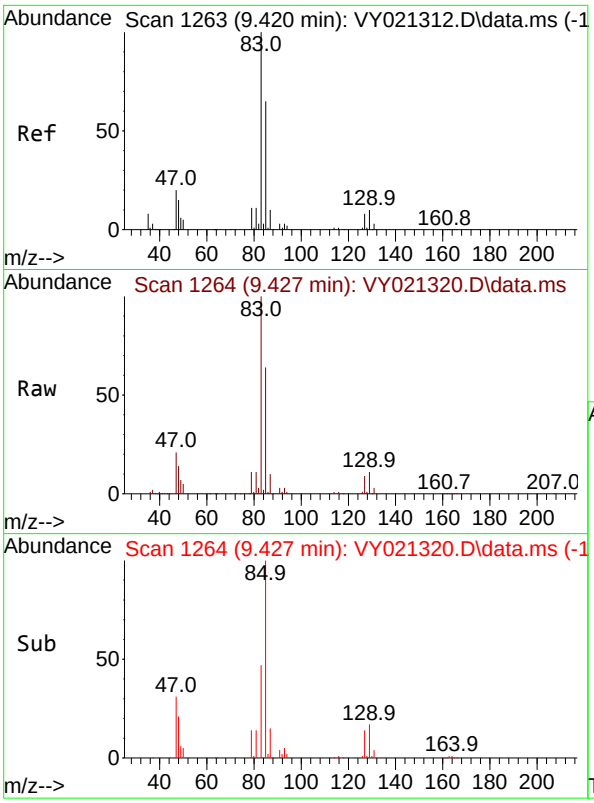




#46
Dibromomethane
Concen: 48.195 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 93 Resp: 56977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 66.4 | 99.6 |
| 174 | 98.8 | 78.2 | 117.2 |



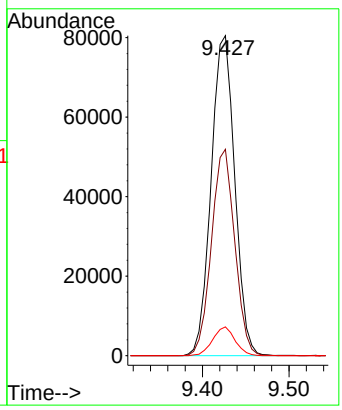


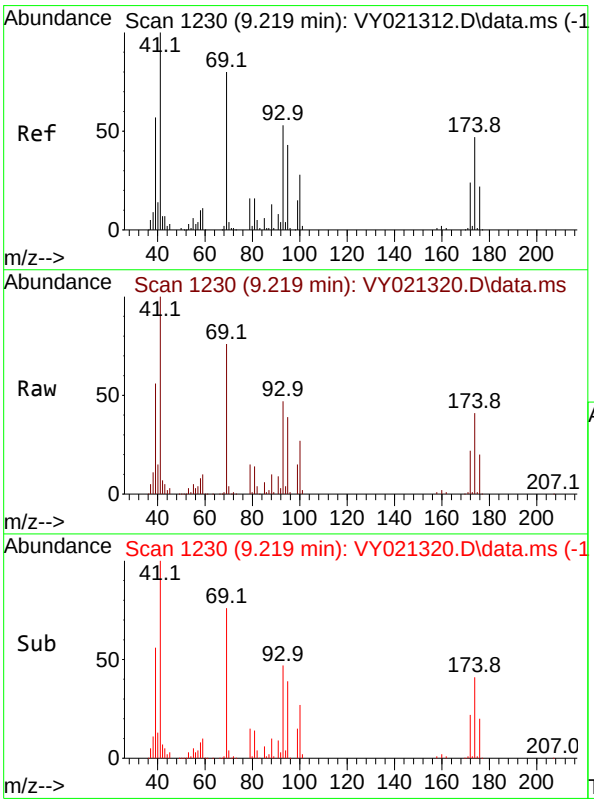

#47
Bromodichloromethane
Concen: 48.352 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 152416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.8 | 77.8 |
| 127 | 9.0 | 6.7 | 10.1 |

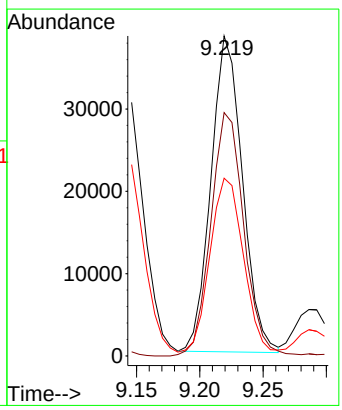


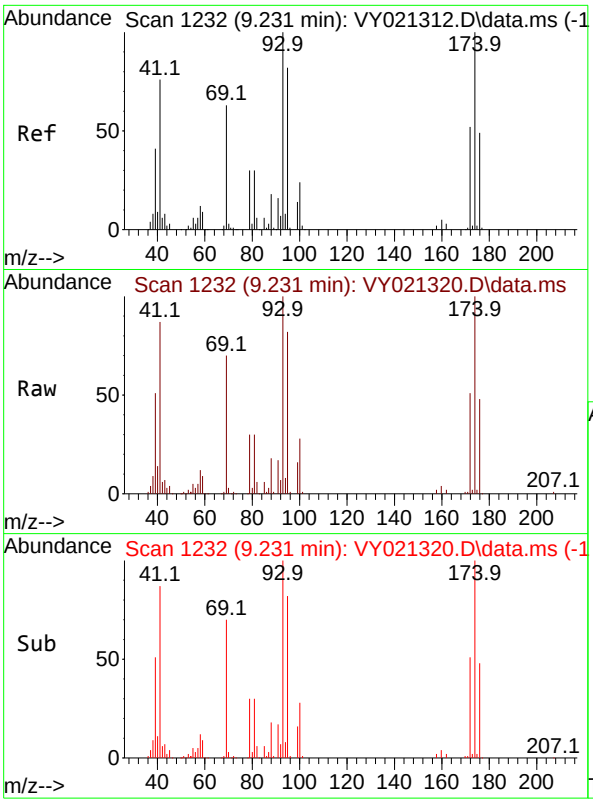




#48
Methyl methacrylate
Concen: 48.481 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 66362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.7 | 63.3 | 94.9 |
| 39 | 58.6 | 45.0 | 67.6 |



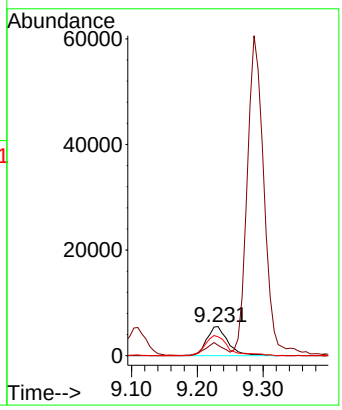


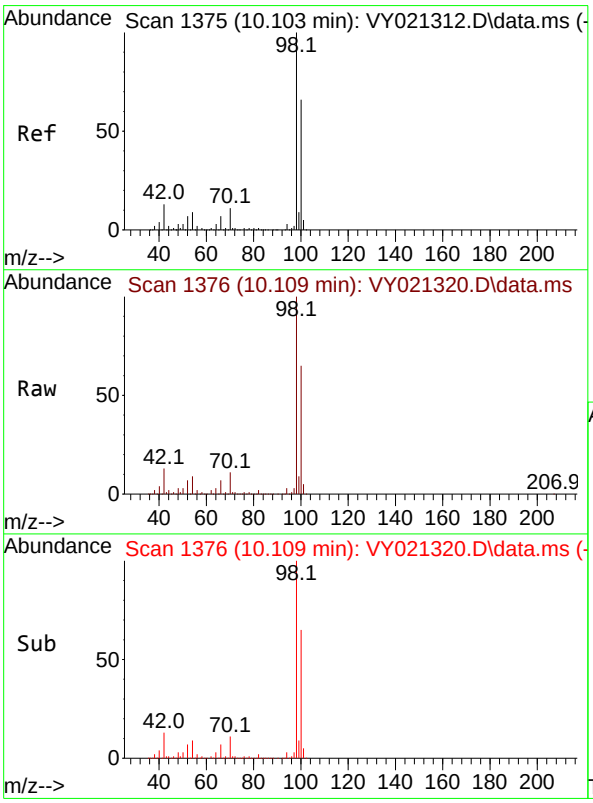

#49
1,4-Dioxane
Concen: 944.605 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 12417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.7 | 34.8 | 52.2 |
| 58 | 74.3 | 59.8 | 89.6 |

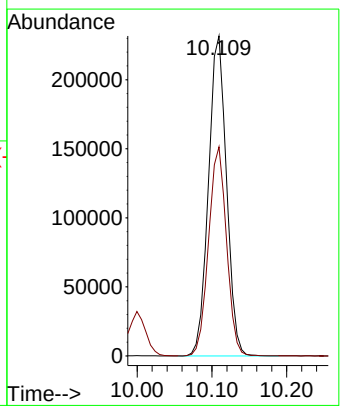


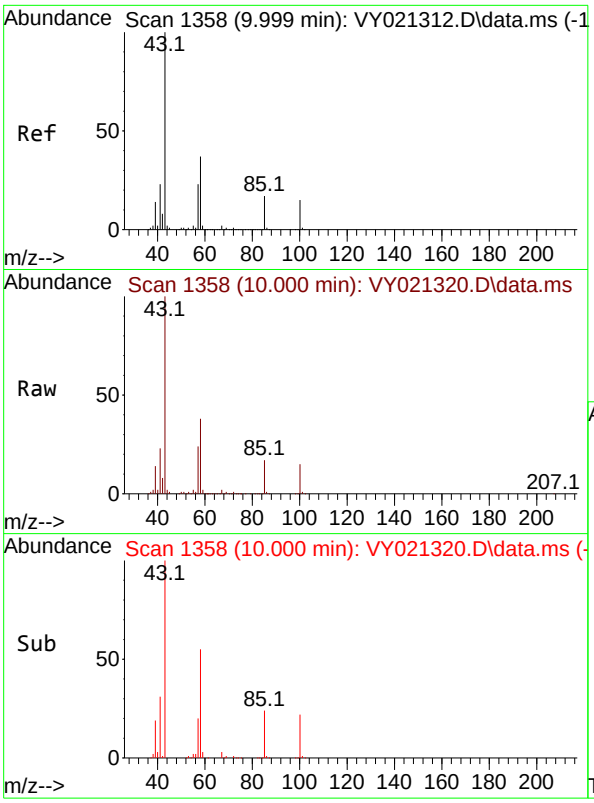




#50
Toluene-d8
Concen: 49.599 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 98 Resp: 387966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 52.4 | 78.6 |



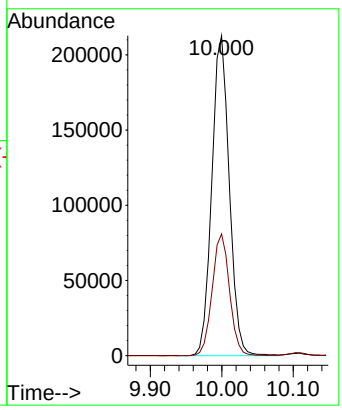


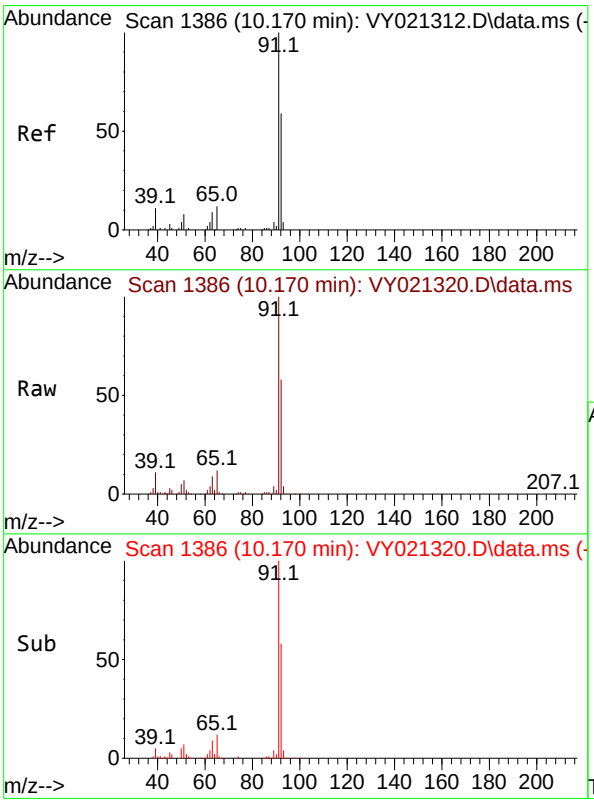

#51
4-Methyl-2-Pentanone
Concen: 240.853 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 360891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.1 | 45.1 |

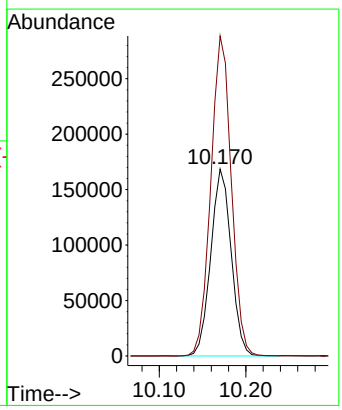


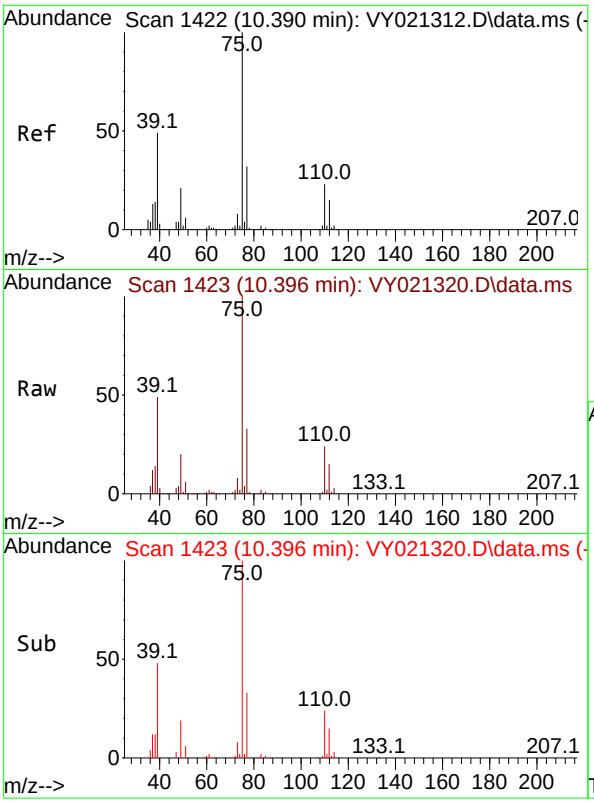




#52
Toluene
Concen: 49.351 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 92 Resp: 275527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.3 | 137.8 | 206.8 |



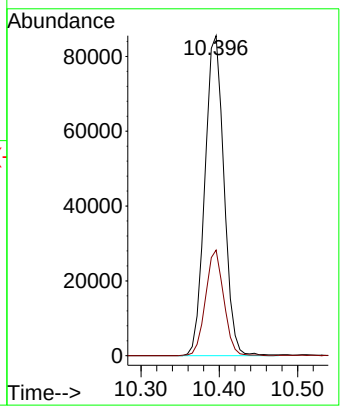


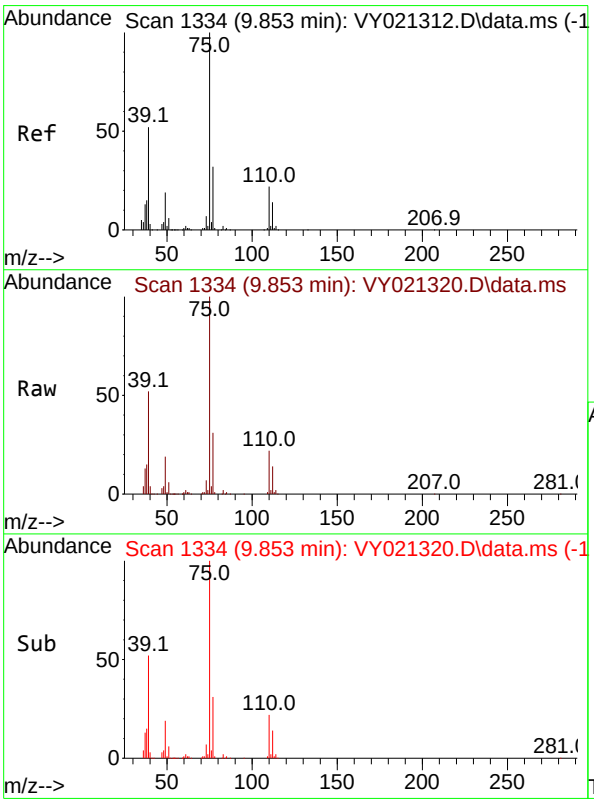

#53
t-1,3-Dichloropropene
Concen: 49.988 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 144366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.0 | 25.3 | 37.9 |

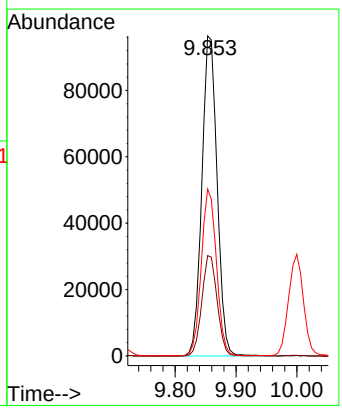


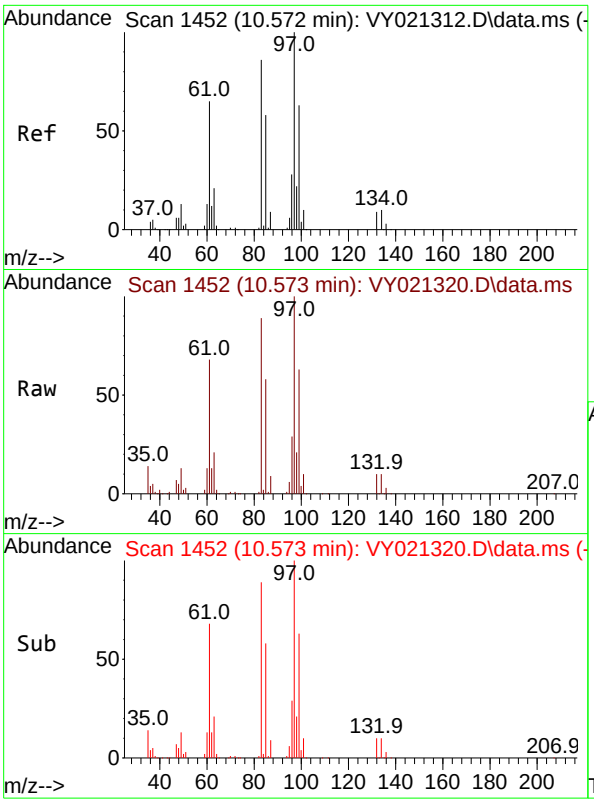




#54
cis-1,3-Dichloropropene
Concen: 49.192 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 167718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.7 | 38.5 |
| 39 | 52.1 | 41.8 | 62.6 |



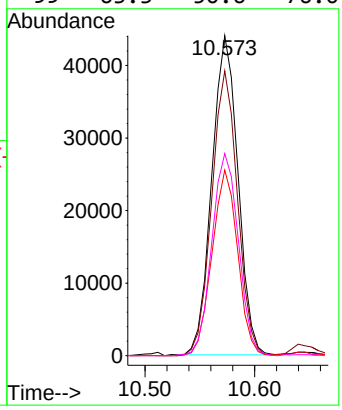


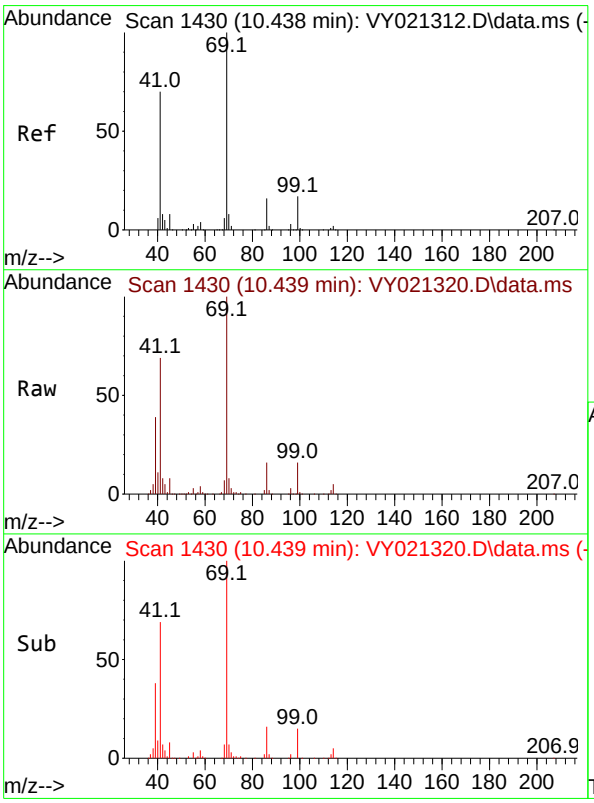

#55
1,1,2-Trichloroethane
Concen: 47.334 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 72899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.2 | 68.7 | 103.1 |
| 85 | 58.2 | 46.3 | 69.5 |
| 99 | 63.3 | 50.6 | 76.0 |

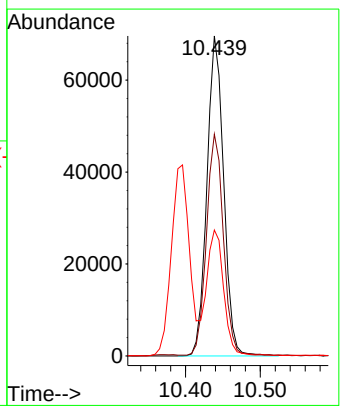


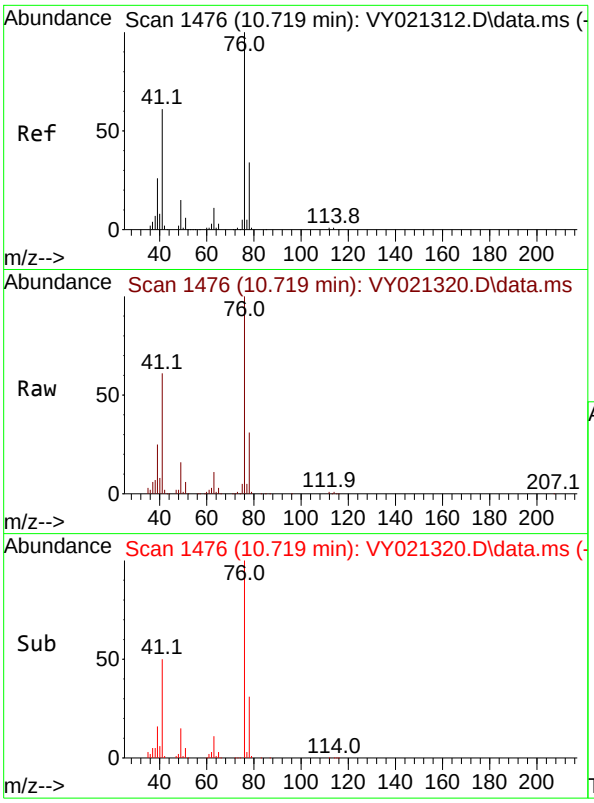




#56
Ethyl methacrylate
Concen: 50.979 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 69 Resp: 108485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.2 | 56.2 | 84.4 |
| 39 | 41.3 | 32.7 | 49.1 |



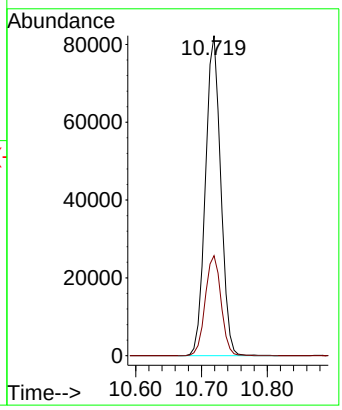


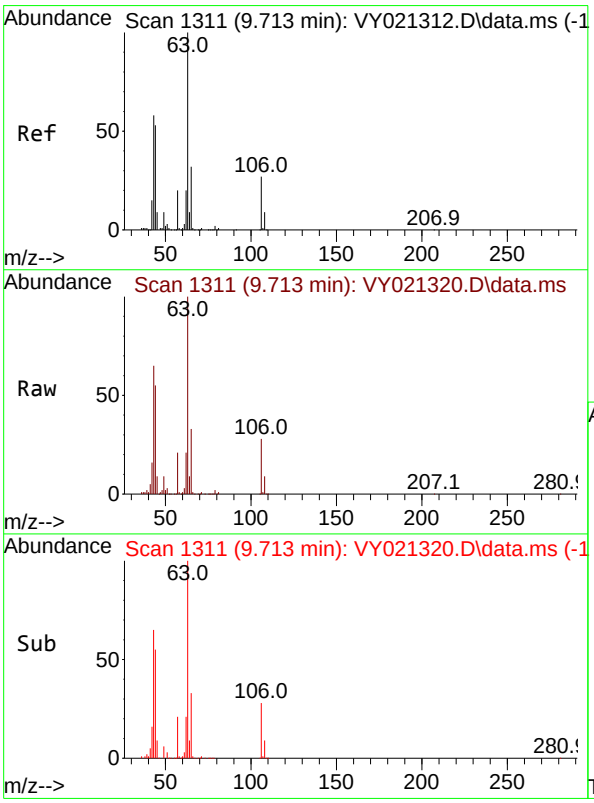

#57
1,3-Dichloropropane
Concen: 49.183 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 132919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 25.9 | 38.9 |

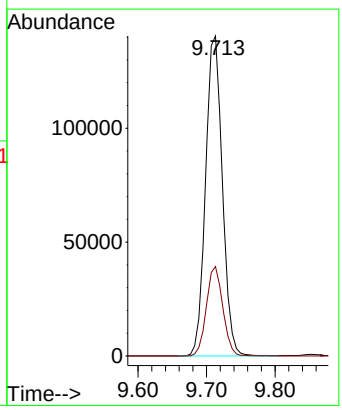


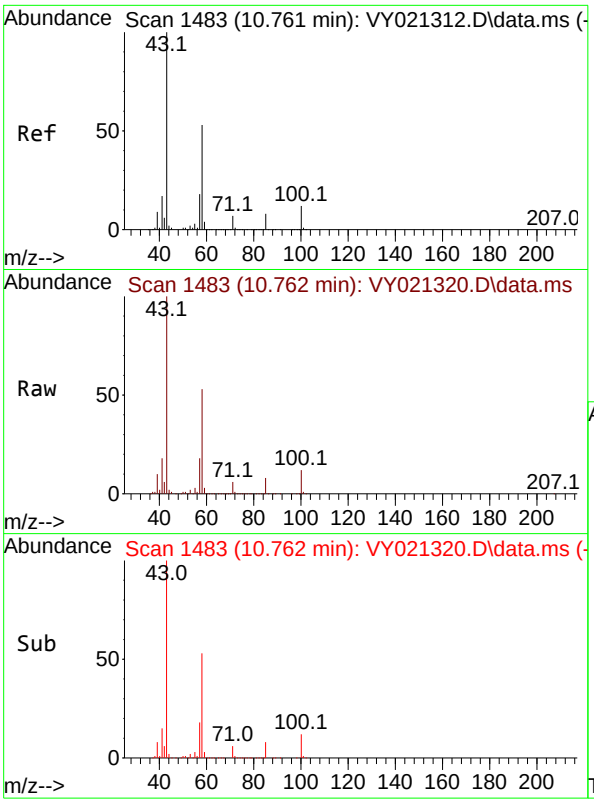




#58
2-Chloroethyl Vinyl ether
Concen: 234.614 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 239640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.3 | 21.7 | 32.5 |



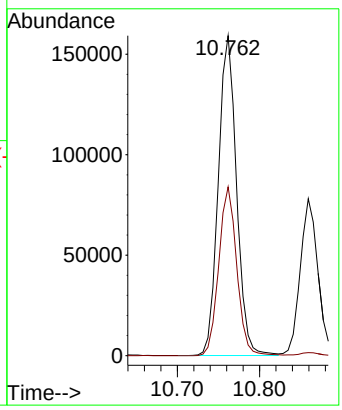


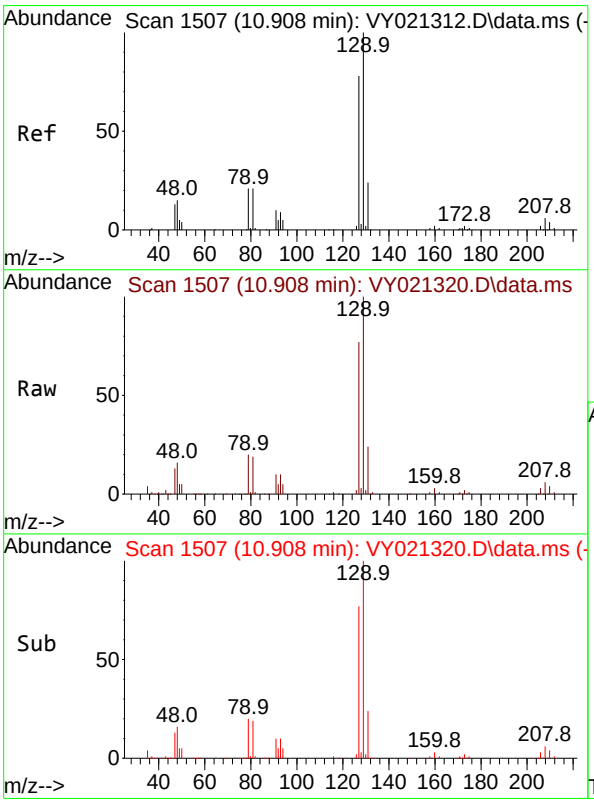

#59
2-Hexanone
Concen: 249.476 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 245501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 25.9 | 77.6 |

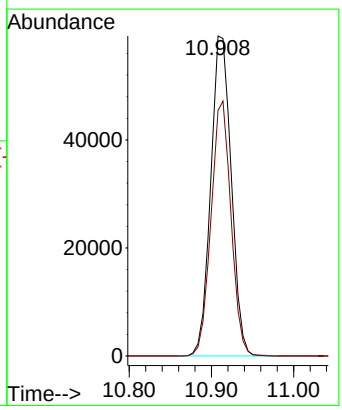


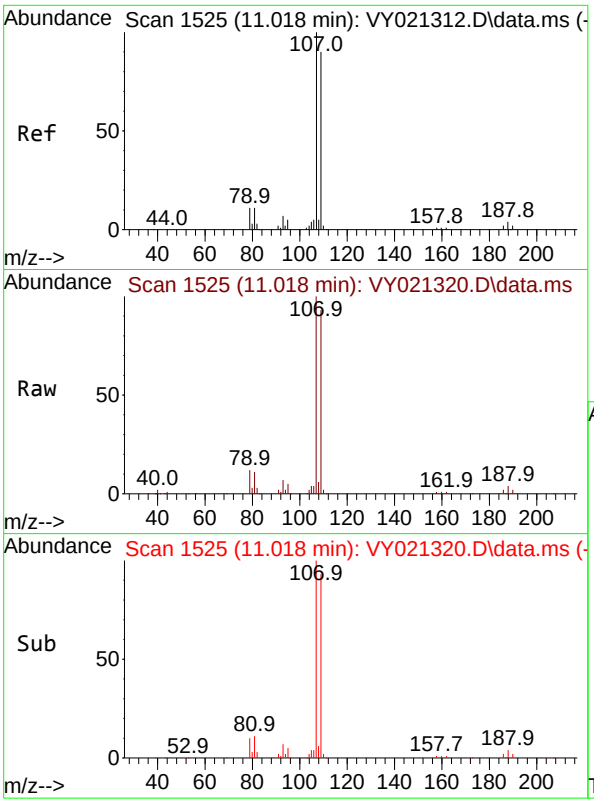




#60
Dibromochloromethane
Concen: 48.867 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:129 Resp: 102499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.5 | 38.8 | 116.4 |



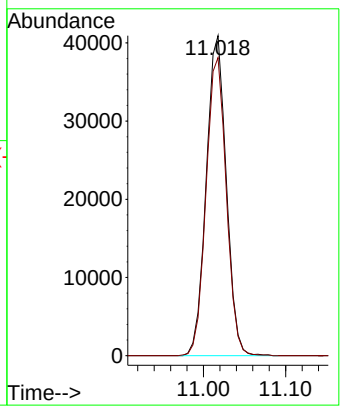


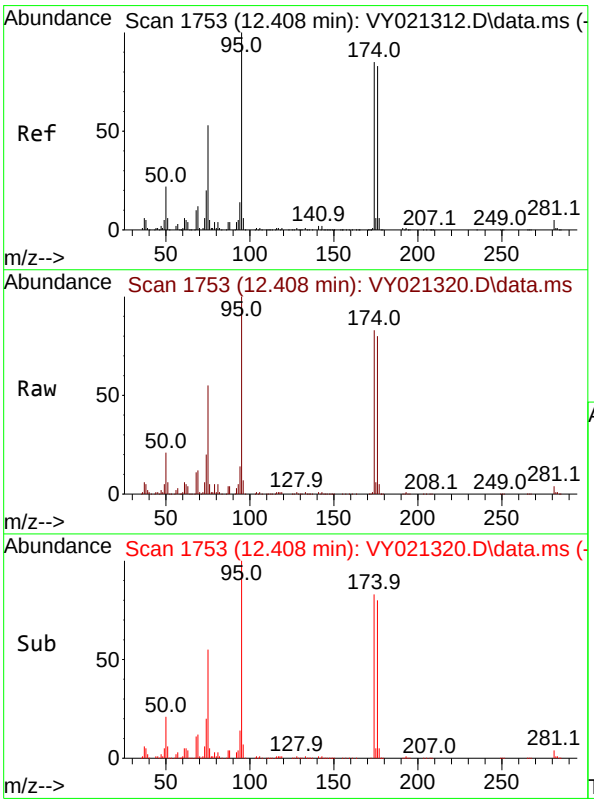

#61
1,2-Dibromoethane
Concen: 47.532 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 69304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.0 | 73.8 | 110.8 |

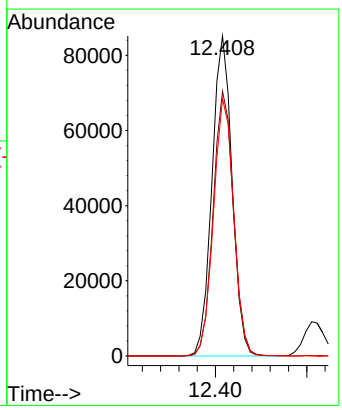


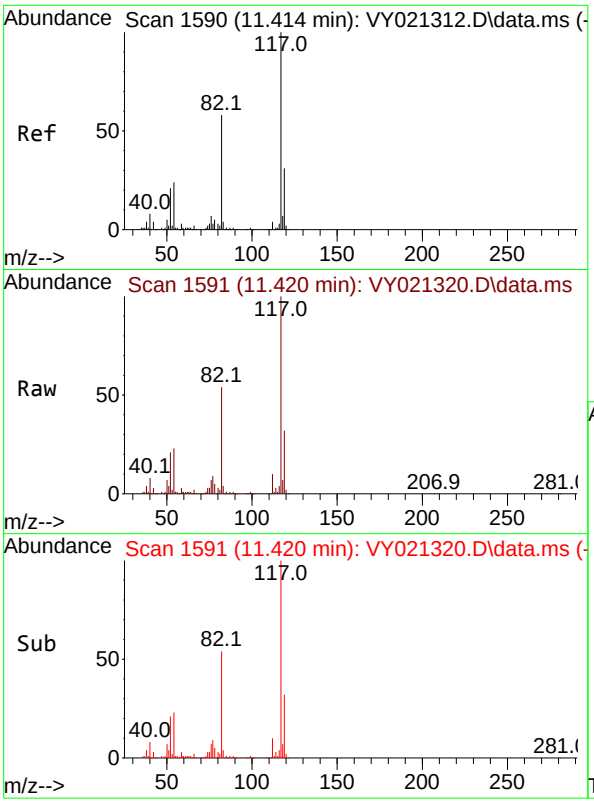




#62
4-Bromofluorobenzene
Concen: 49.290 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 95 Resp: 129754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.6 | 0.0 | 168.0 |
| 176 | 81.2 | 0.0 | 162.6 |



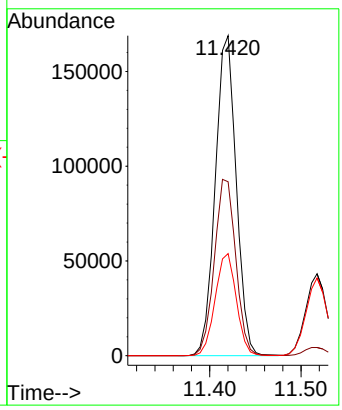


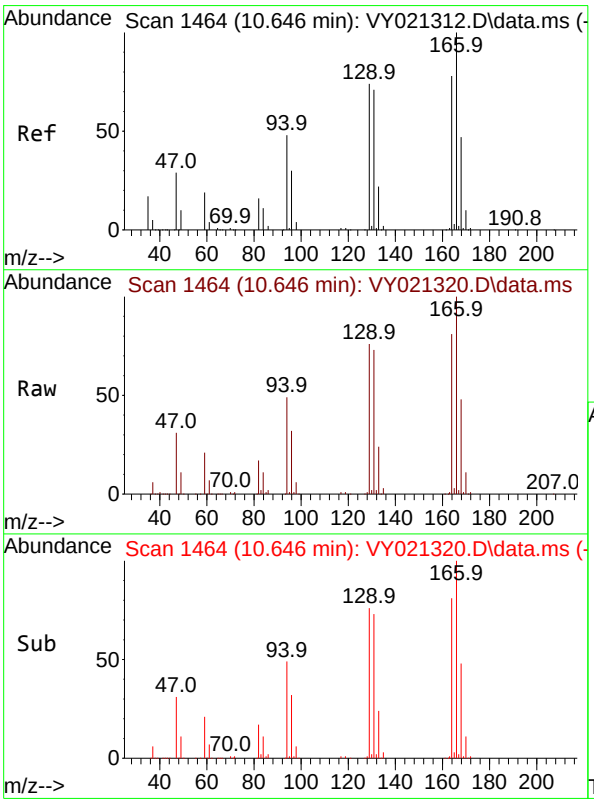

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 268805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.3 | 46.2 | 69.4 |
| 119 | 31.9 | 24.9 | 37.3 |

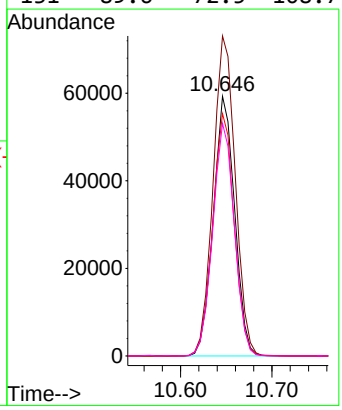


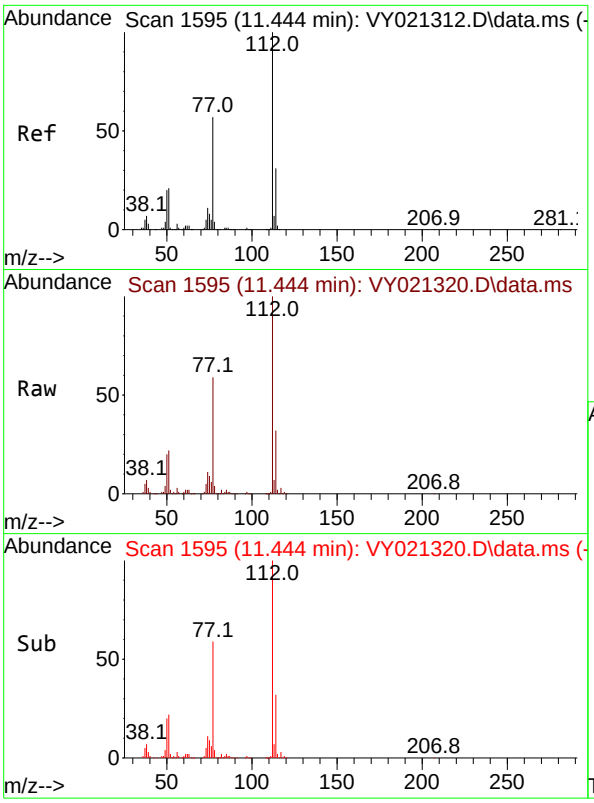




#64
Tetrachloroethene
Concen: 47.455 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:164 Resp: 96416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.2 | 101.9 | 152.9 |
| 129 | 93.3 | 75.5 | 113.3 |
| 131 | 89.6 | 72.5 | 108.7 |



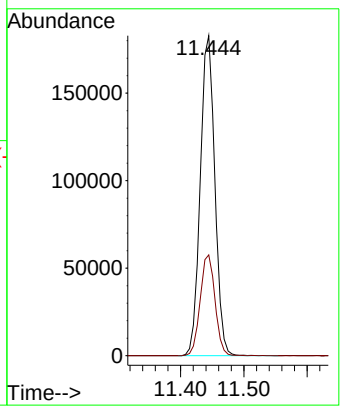


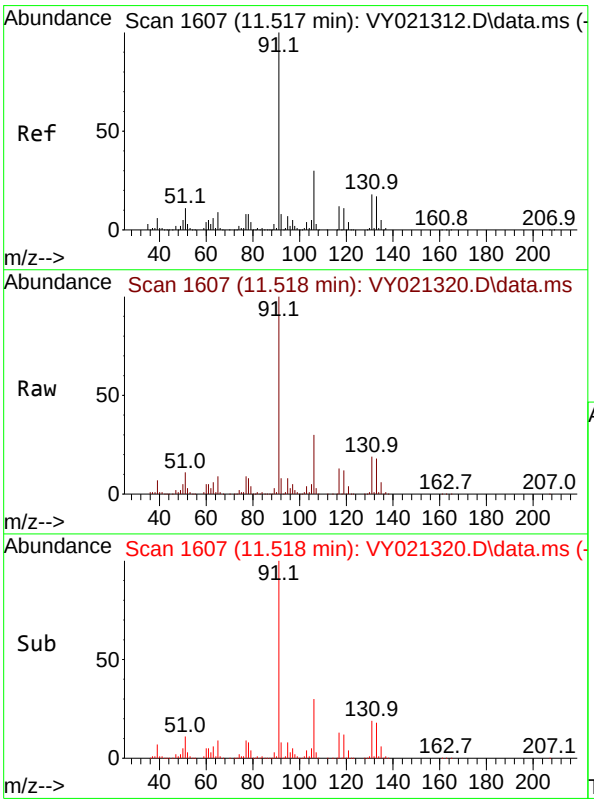

#65
Chlorobenzene
Concen: 48.625 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 293397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 25.0 | 37.6 |

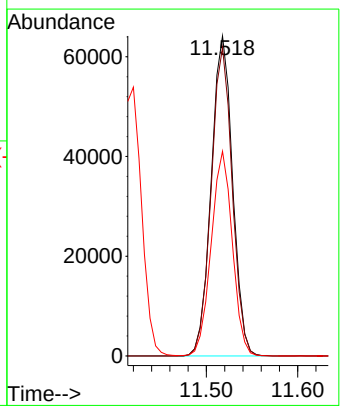


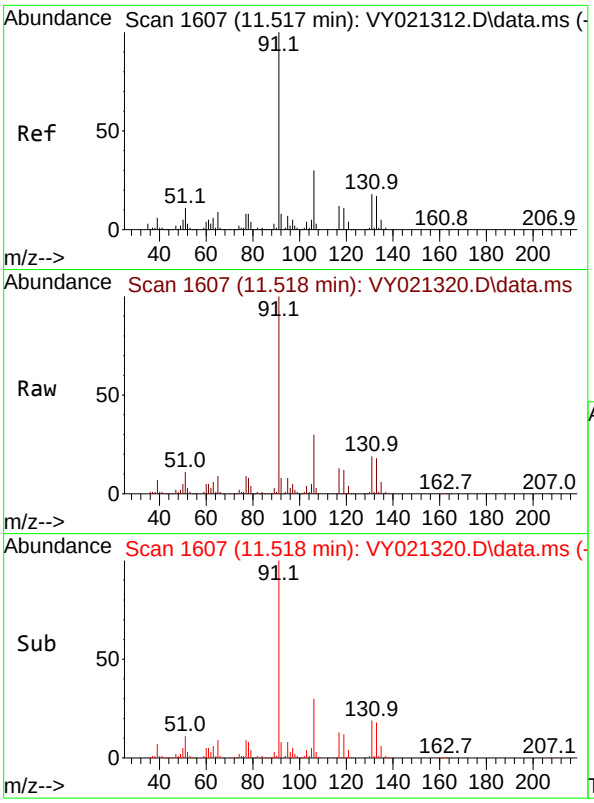




#66
1,1,1,2-Tetrachloroethane
Concen: 49.295 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:131 Resp: 104152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.9 | 143.6 |
| 119 | 63.4 | 31.7 | 95.1 |



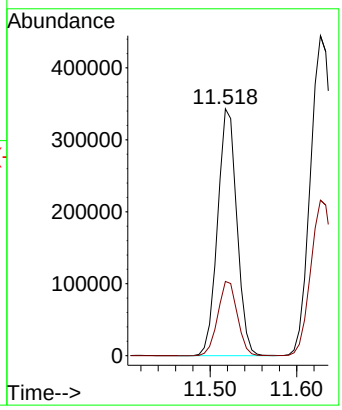


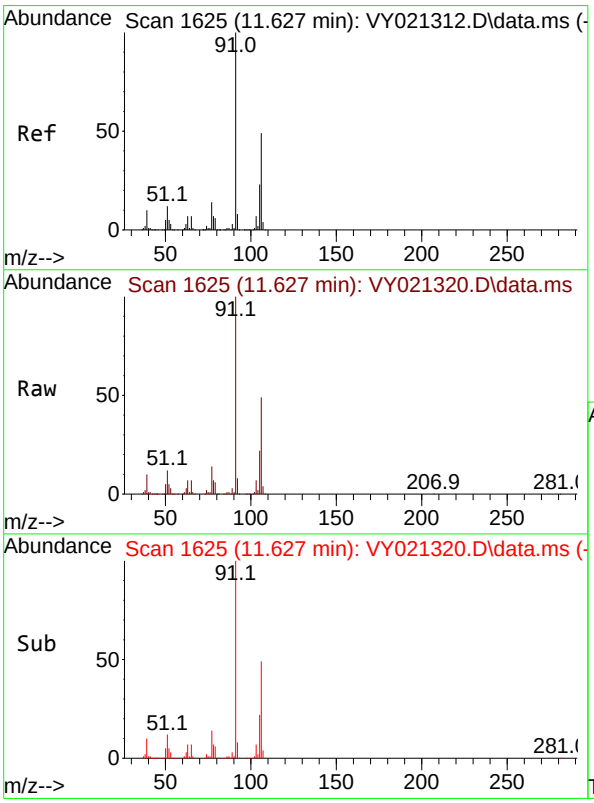

#67
Ethyl Benzene
Concen: 49.609 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 530215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 24.4 | 36.6 |

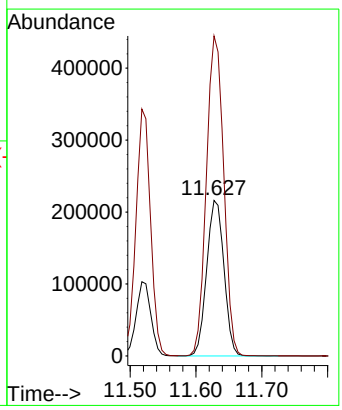


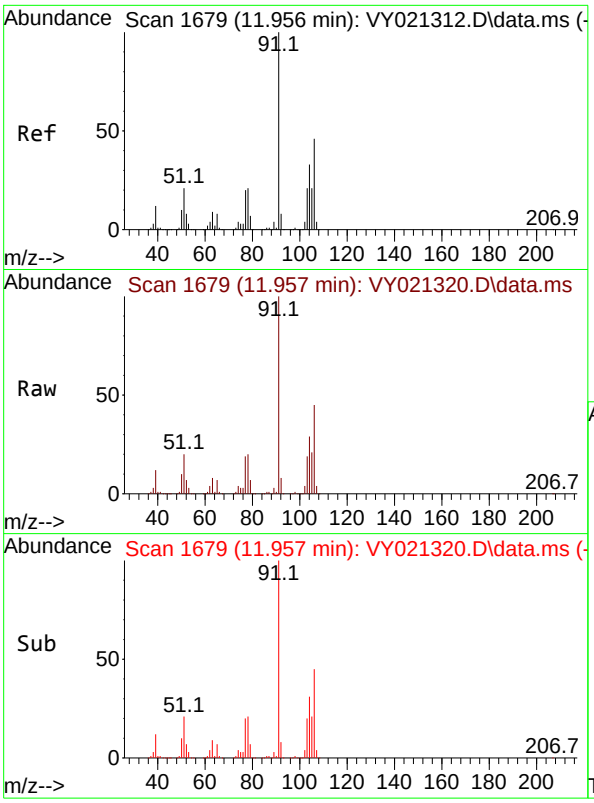




#68
m/p-Xylenes
Concen: 98.298 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:106 Resp: 395166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.2 | 163.9 | 245.9 |



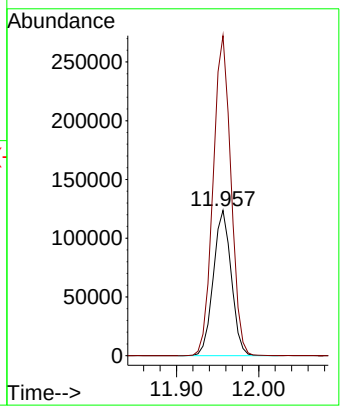


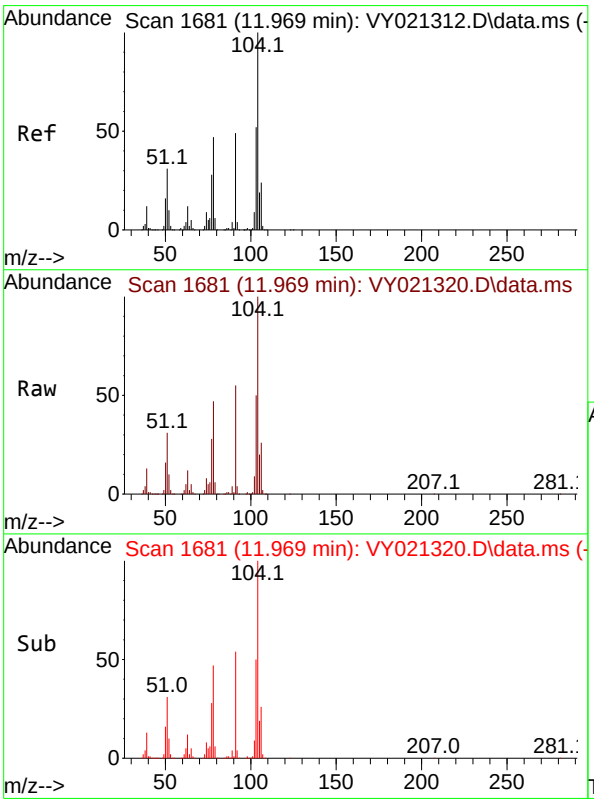

#69
o-Xylene
Concen: 49.676 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 187084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.4 | 108.1 | 324.2 |

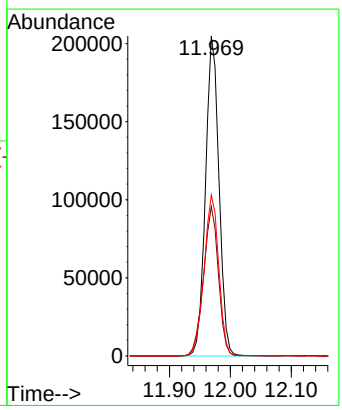


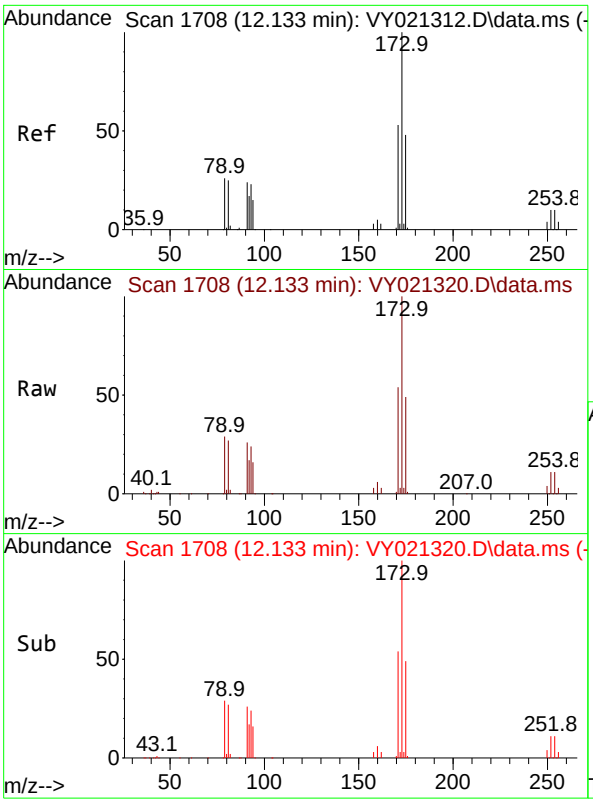




#70
Styrene
Concen: 50.431 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:104 Resp: 316002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.3 | 41.3 | 61.9 |
| 103 | 54.9 | 43.9 | 65.9 |



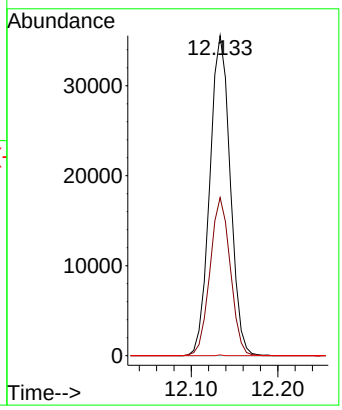


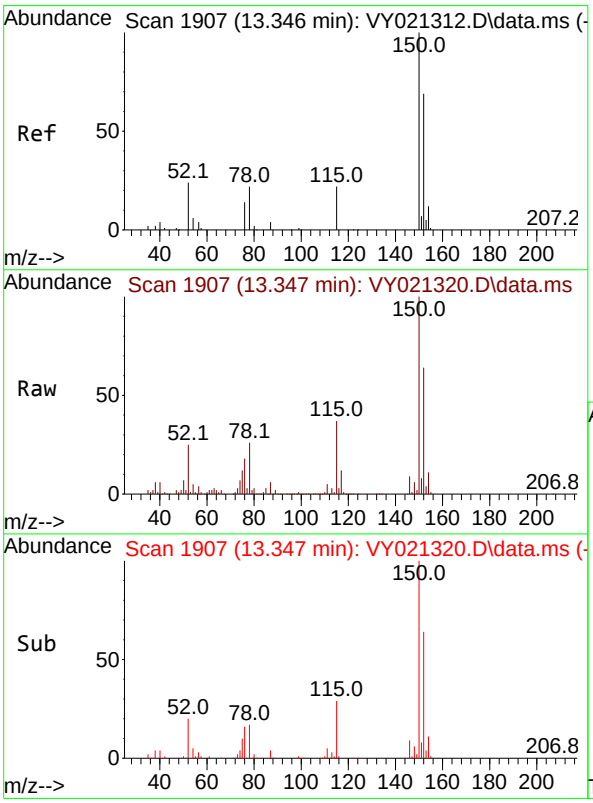

#71
Bromoform
Concen: 48.247 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 58316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.1 | 72.3 |
| 254 | 0.1 | 0.1 | 0.1# |

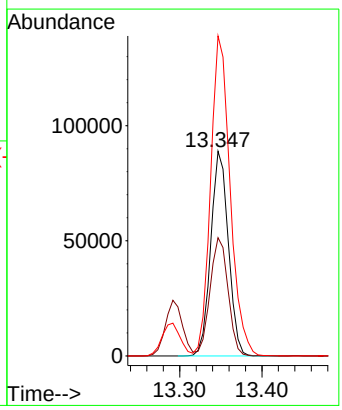


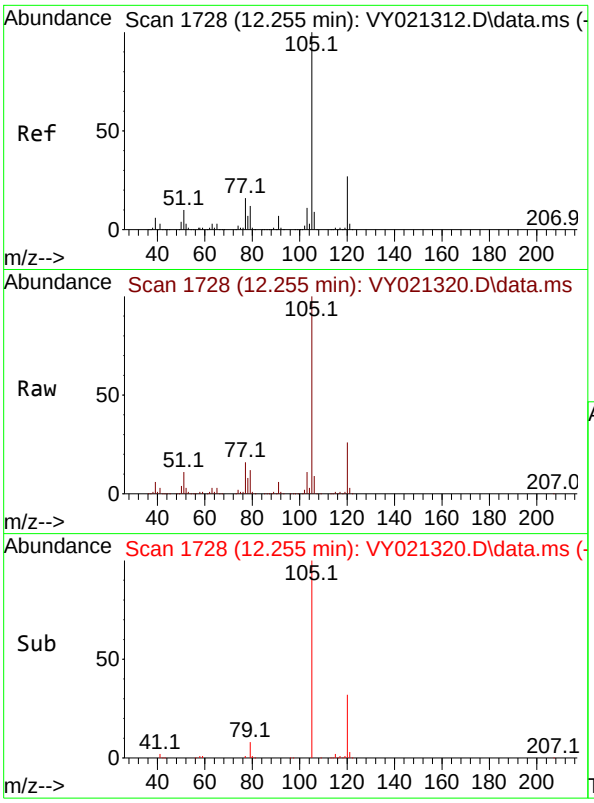




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:152 Resp: 131935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.0 | 29.3 | 88.0 |
| 150 | 173.7 | 0.0 | 347.4 |



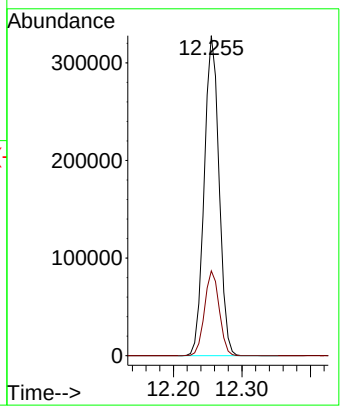


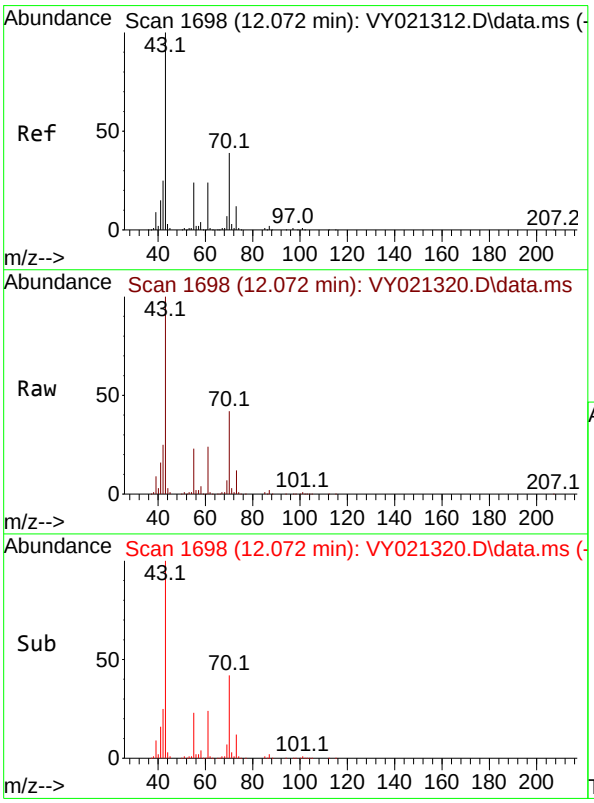

#73
Isopropylbenzene
Concen: 49.774 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 493694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.3 | 39.8 |

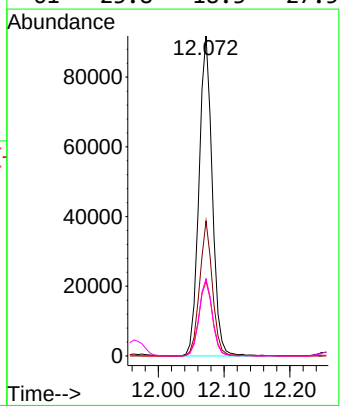


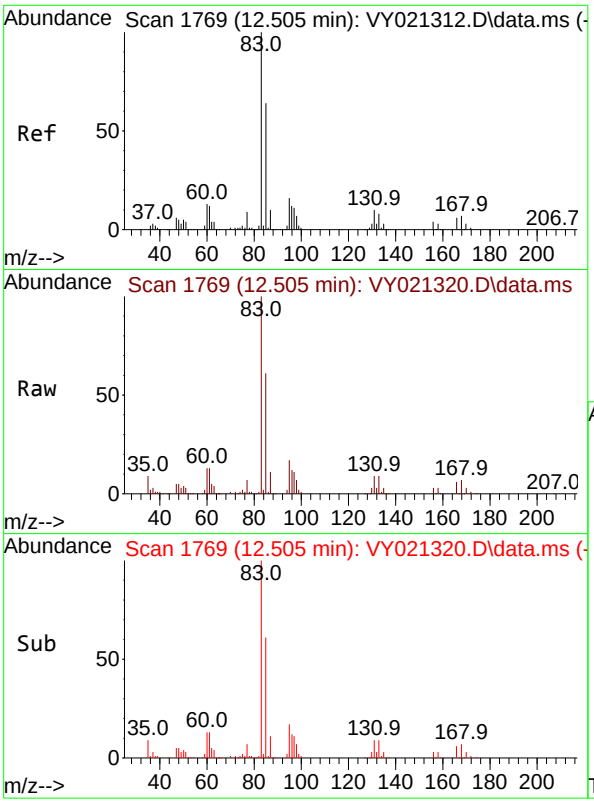




#74
N-amyl acetate
Concen: 51.162 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 128988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.4 | 32.2 | 48.2 |
| 55 | 24.1 | 19.6 | 29.4 |
| 61 | 23.8 | 18.3 | 27.5 |



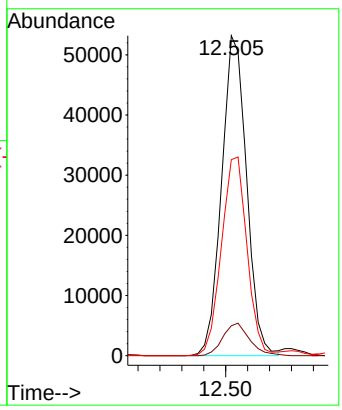


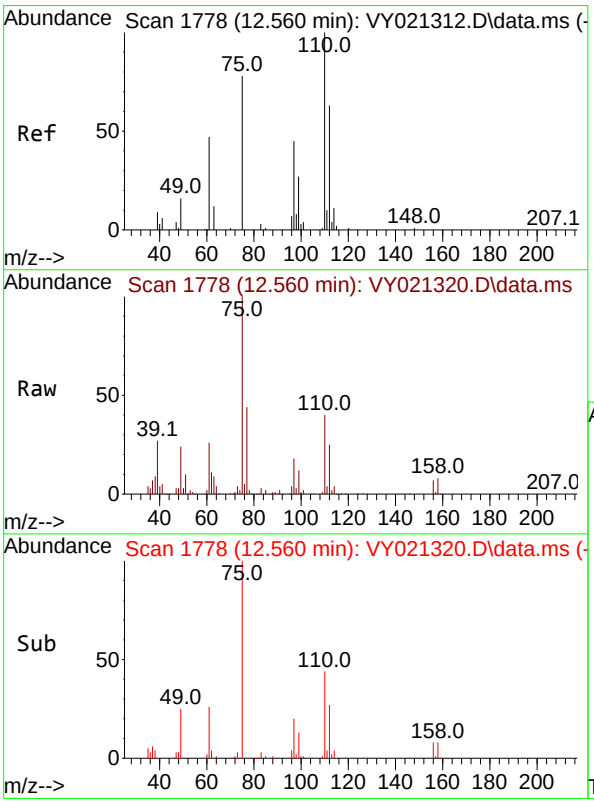

#75
1,1,2,2-Tetrachloroethane
Concen: 48.150 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 84288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 5.2 | 15.6 |
| 85 | 63.7 | 32.0 | 96.0 |

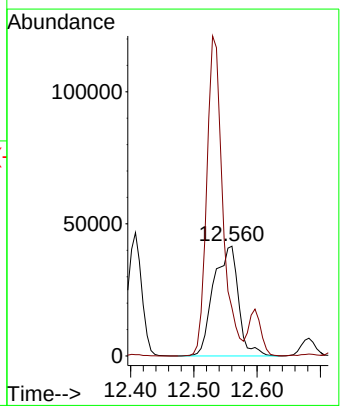


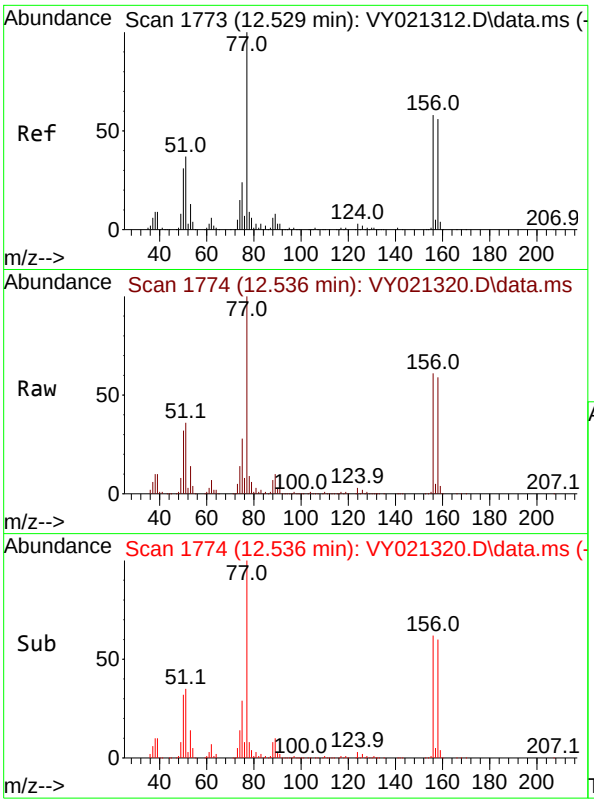




#76
1,2,3-Trichloropropane
Concen: 85.685 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 113156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



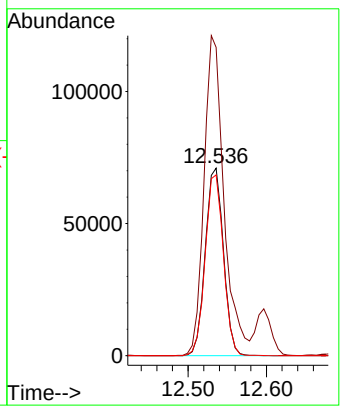


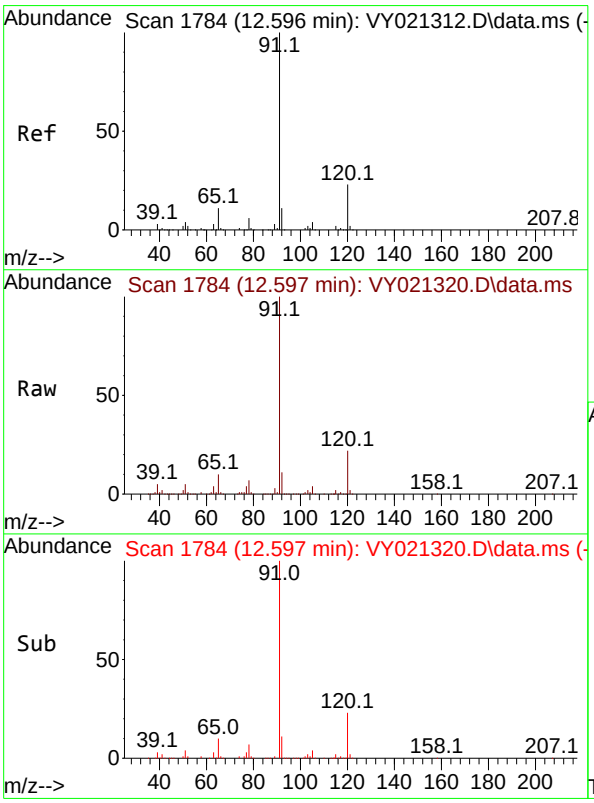

#77
Bromobenzene
Concen: 49.529 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 114266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 187.3 | 94.0 | 282.1 |
| 158 | 96.8 | 48.7 | 146.1 |

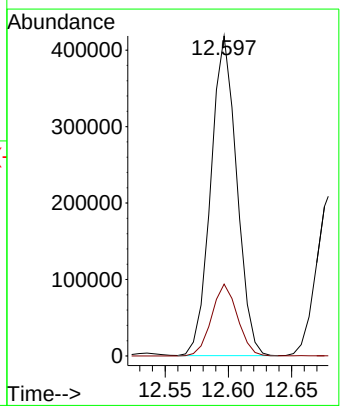


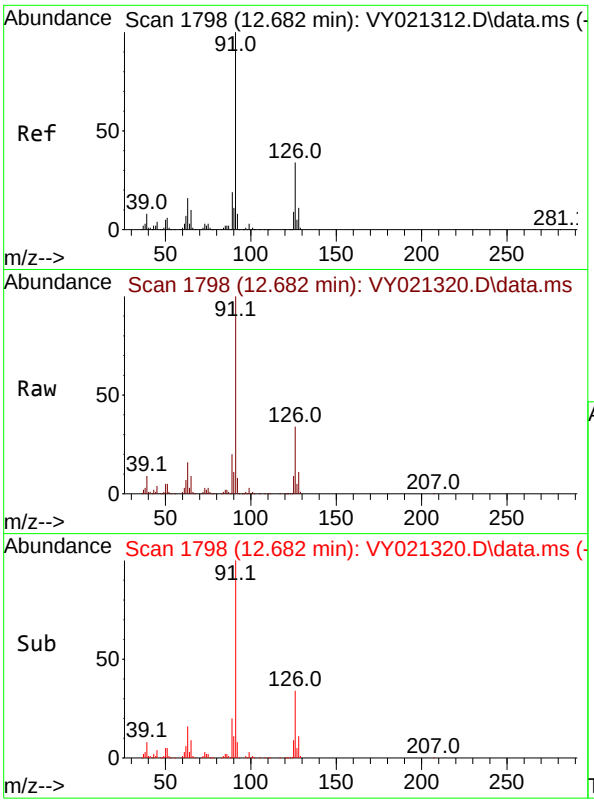




#78
n-propylbenzene
Concen: 49.510 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 595911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.2 | 33.5 |



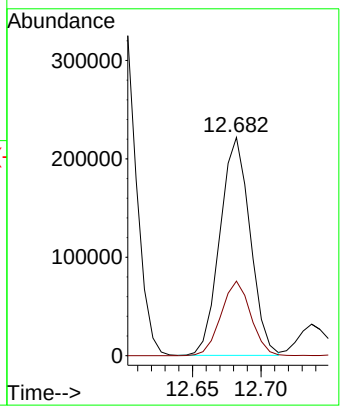


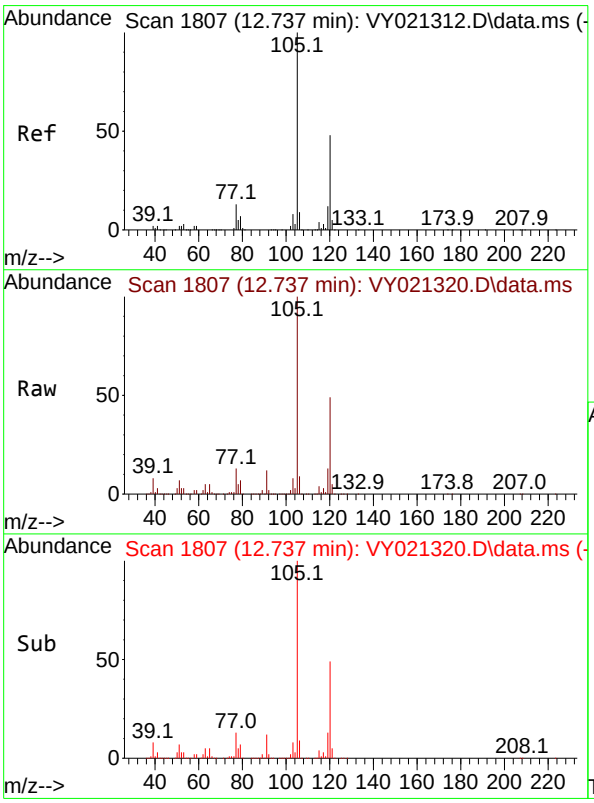

#79
2-Chlorotoluene
Concen: 49.181 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 339722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.9 | 50.6 |

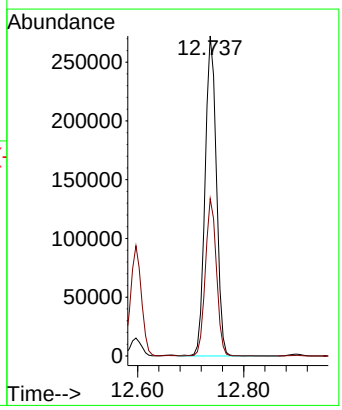


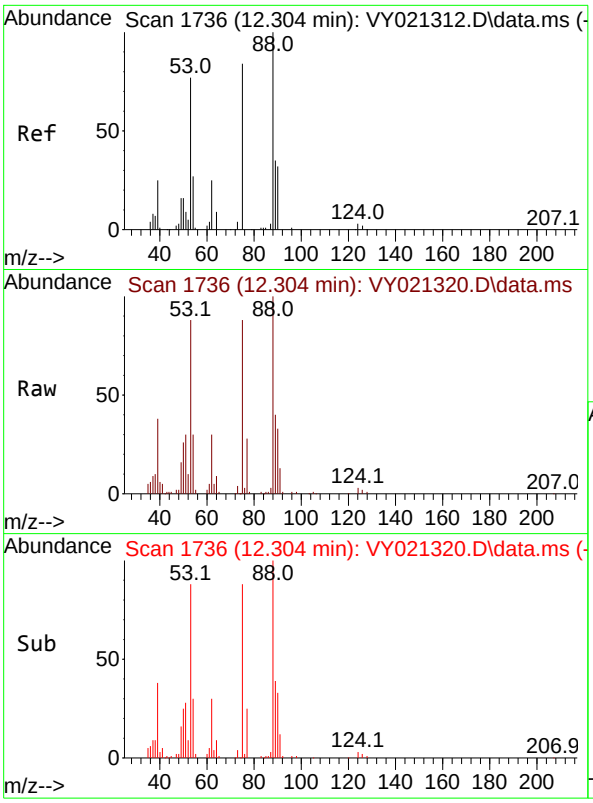




#80
1,3,5-Trimethylbenzene
Concen: 49.604 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 24.3 | 73.0 |



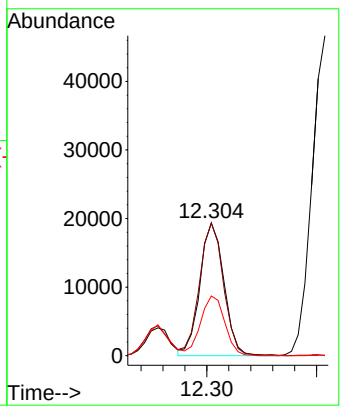


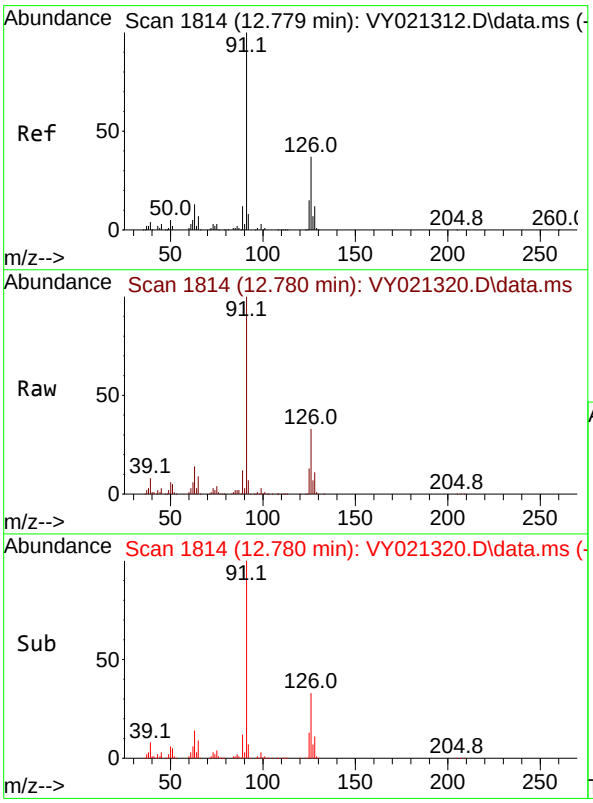

#81
trans-1,4-Dichloro-2-butene
Concen: 49.724 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 29544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 100.2 | 79.1 | 118.7 |
| 89 | 44.9 | 35.6 | 53.4 |

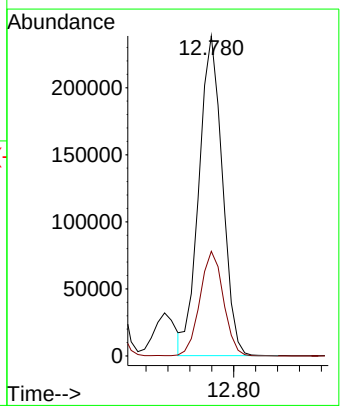


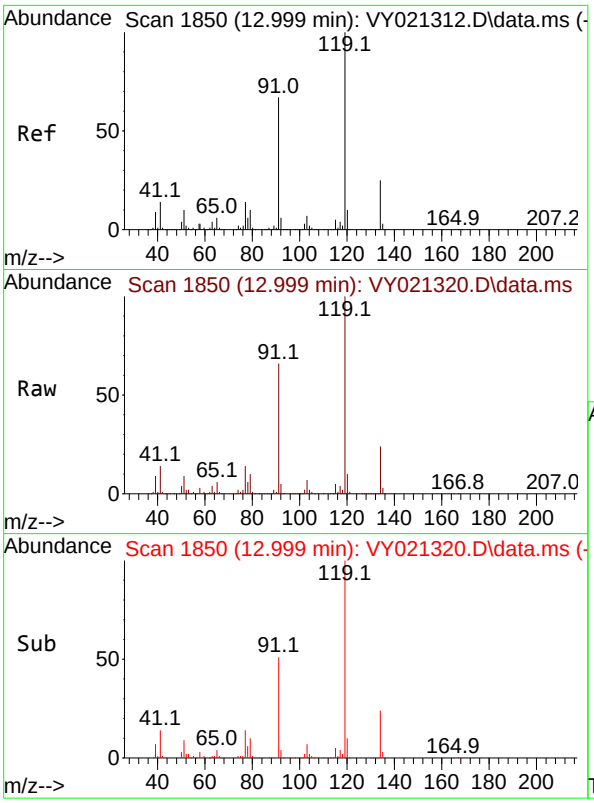




#82
4-Chlorotoluene
Concen: 49.408 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 353786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.8 | 16.8 | 50.4 |



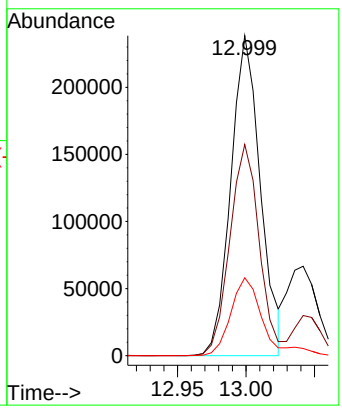


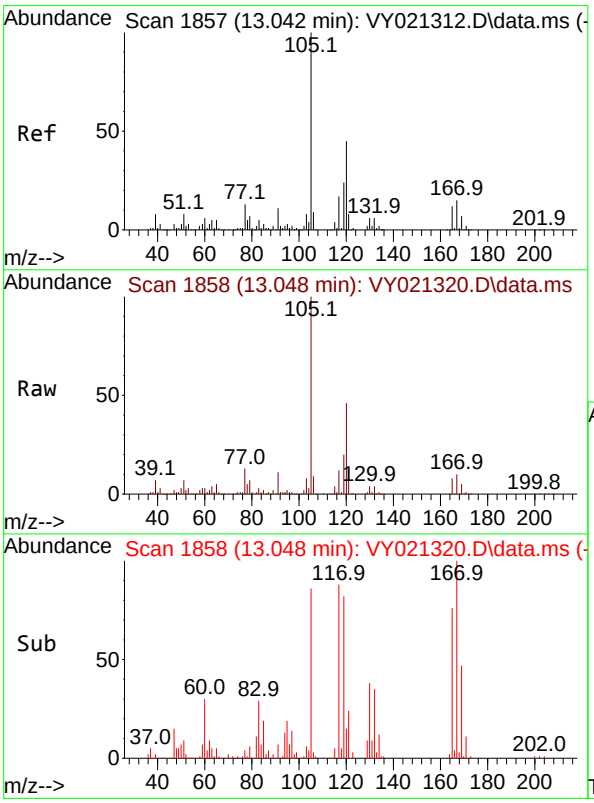

#83
tert-Butylbenzene
Concen: 48.765 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 358344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.1 | 32.7 | 98.1 |
| 134 | 26.5 | 13.3 | 39.9 |

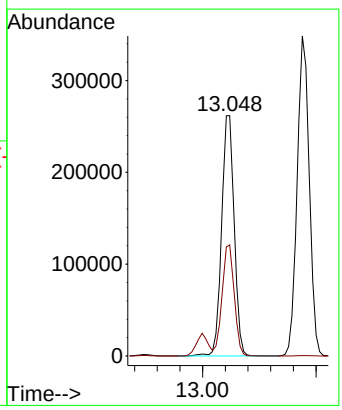


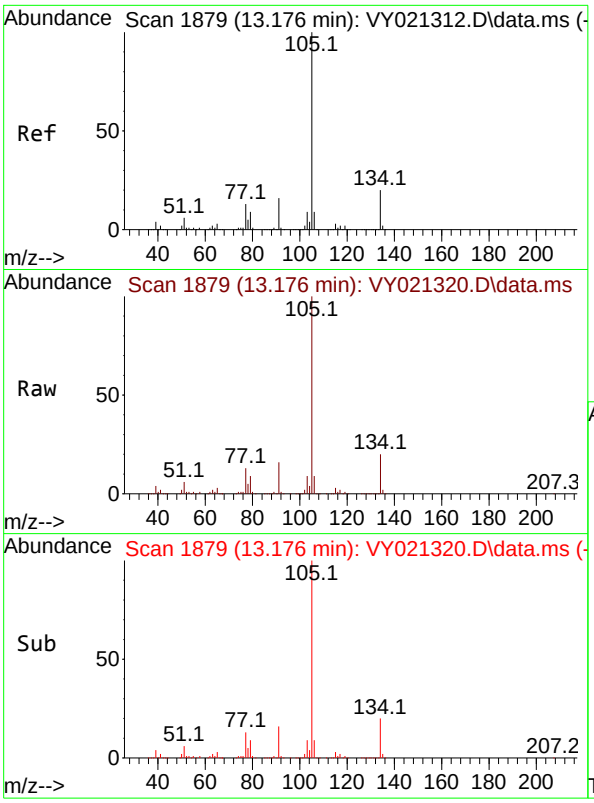




#84
1,2,4-Trimethylbenzene
Concen: 49.846 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 22.4 | 67.3 |



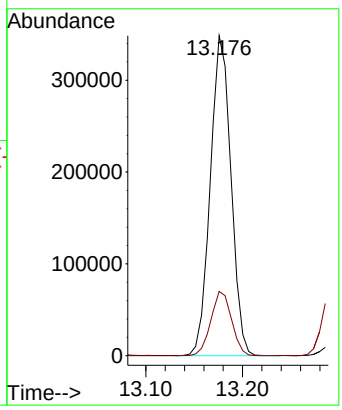


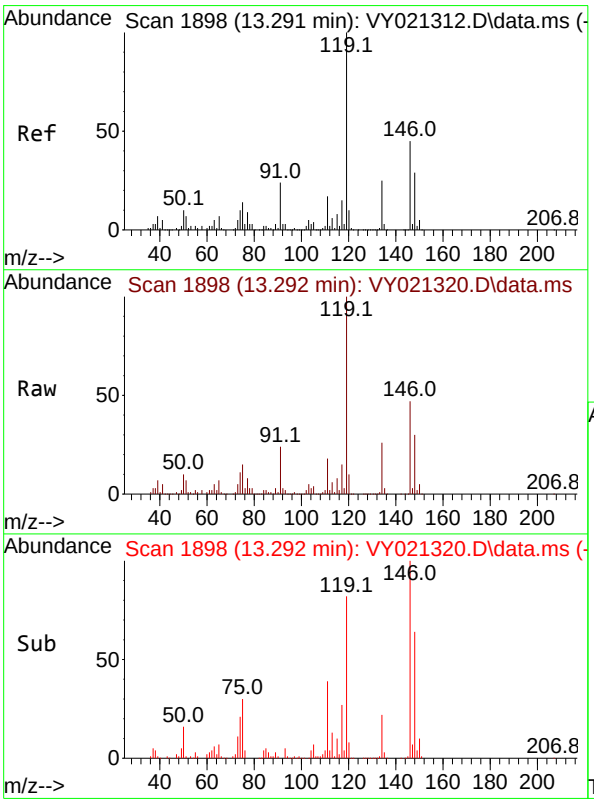

#85
sec-Butylbenzene
Concen: 48.069 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 515970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 10.0 | 30.0 |

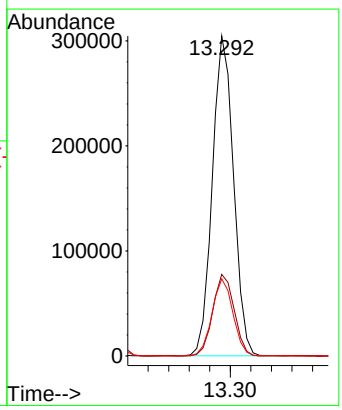


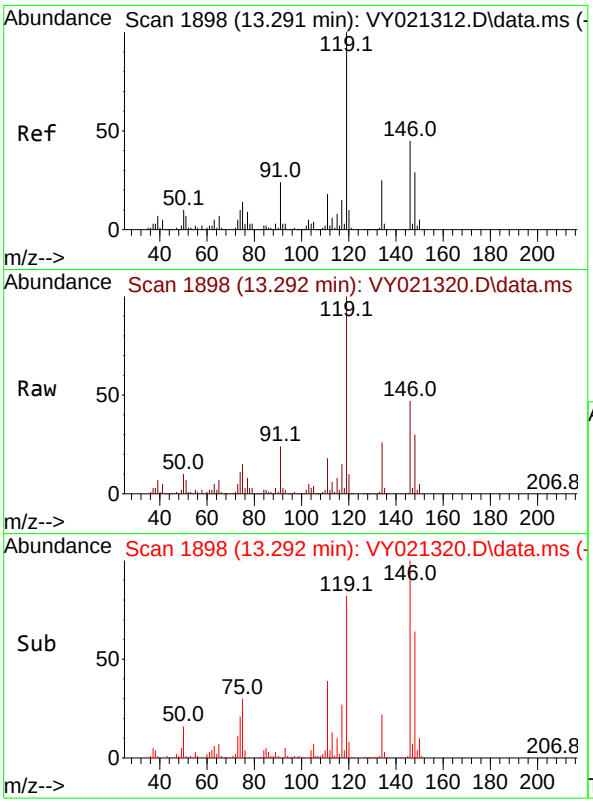




#86
p-Isopropyltoluene
Concen: 48.594 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:119 Resp: 435539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 13.0 | 38.9 |
| 91 | 23.8 | 12.0 | 36.1 |



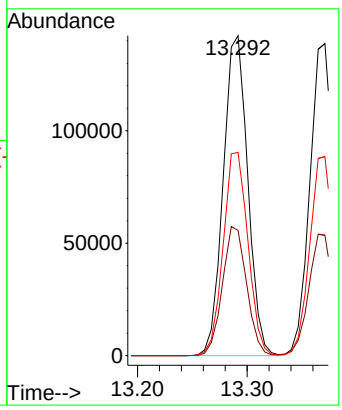


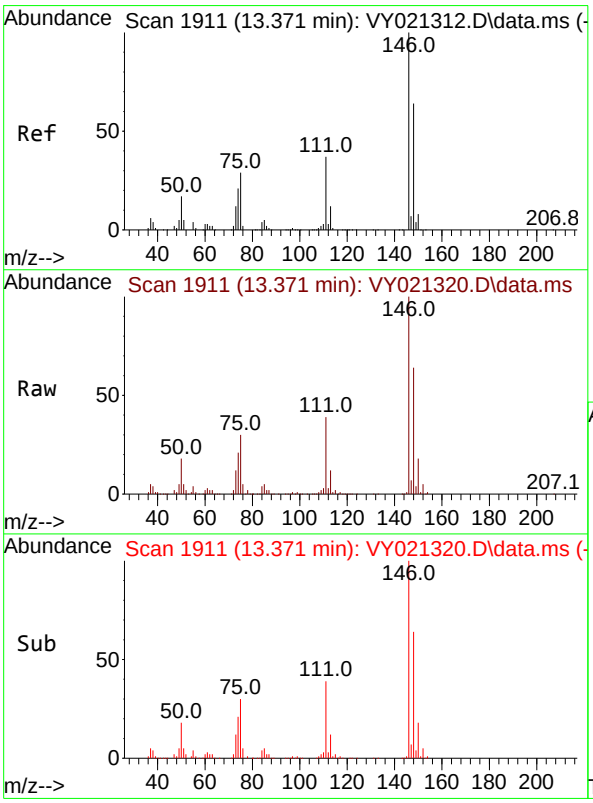

#87
1,3-Dichlorobenzene
Concen: 48.450 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 221110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.0 | 59.9 |
| 148 | 64.2 | 31.9 | 95.9 |

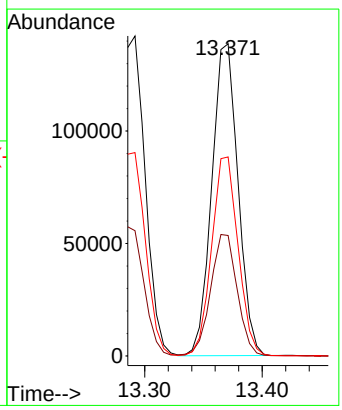


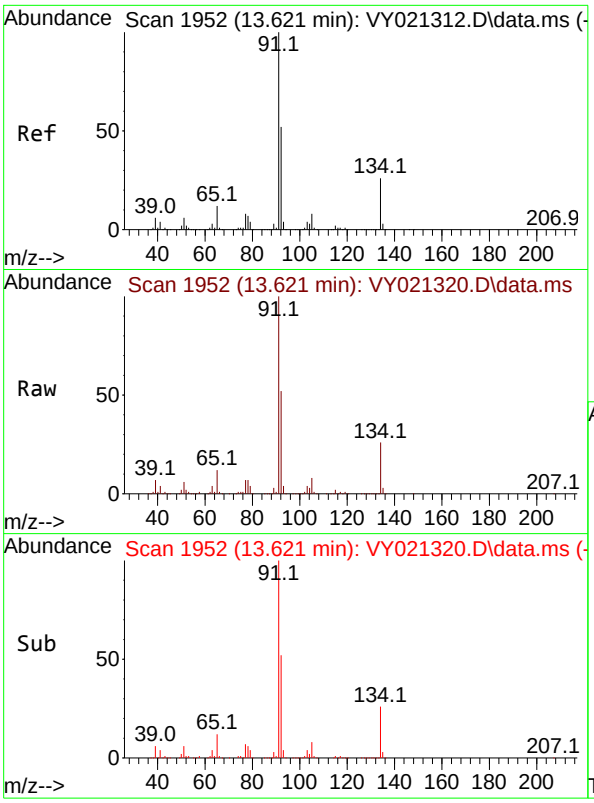




#88
1,4-Dichlorobenzene
Concen: 47.797 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 215487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.3 | 19.5 | 58.5 |
| 148 | 64.5 | 32.0 | 96.2 |



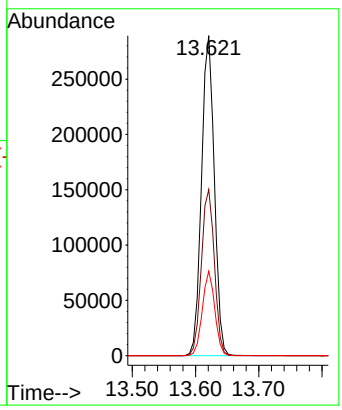


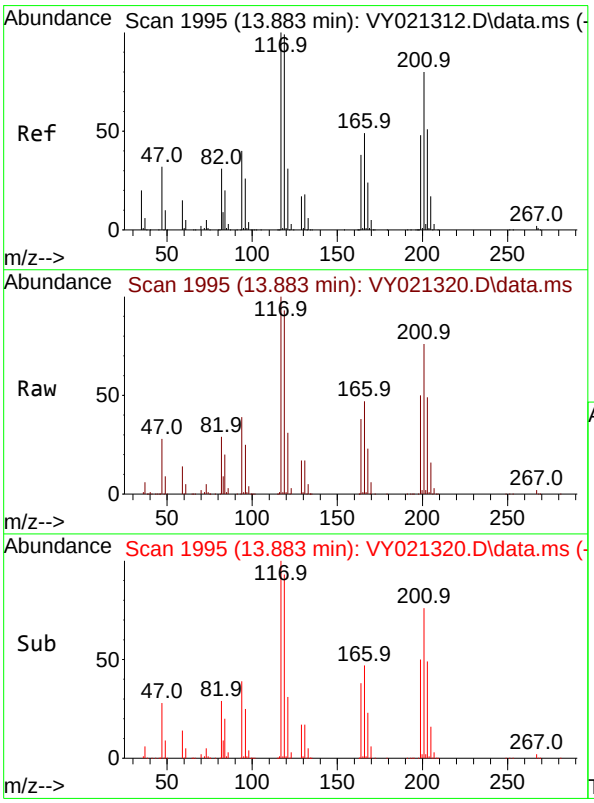

#89
n-Butylbenzene
Concen: 48.491 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 408995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 26.4 | 79.2 |
| 134 | 25.6 | 12.7 | 38.0 |

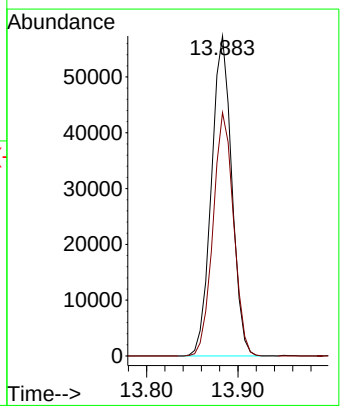


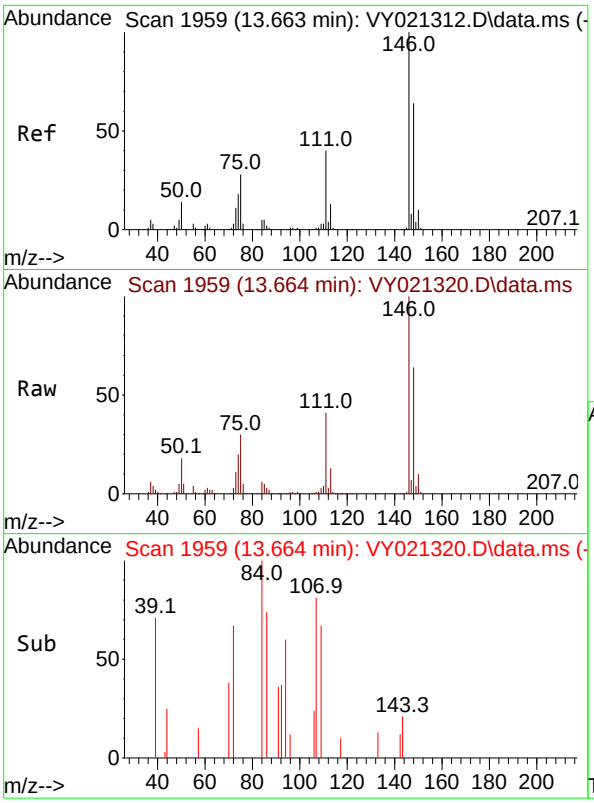




#90
Hexachloroethane
Concen: 47.306 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 88564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.8 | 38.4 | 115.2 |



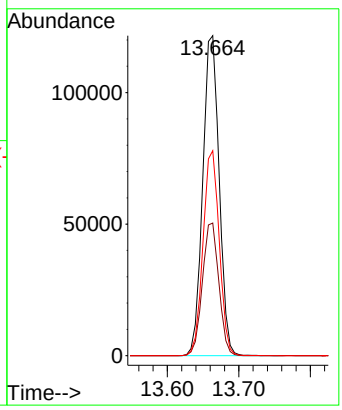


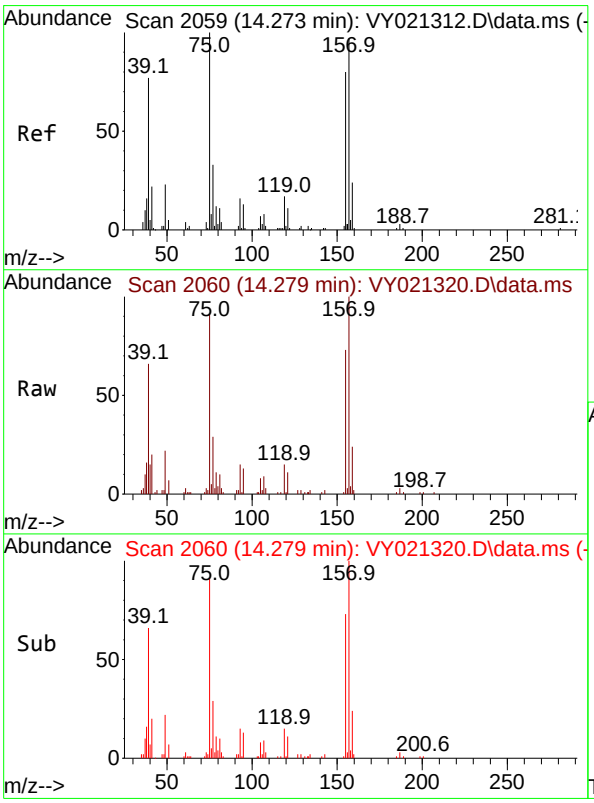

#91
1,2-Dichlorobenzene
Concen: 48.457 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 193750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.7 | 62.1 |
| 148 | 63.4 | 31.7 | 95.1 |

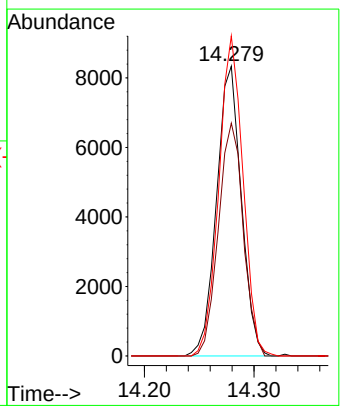


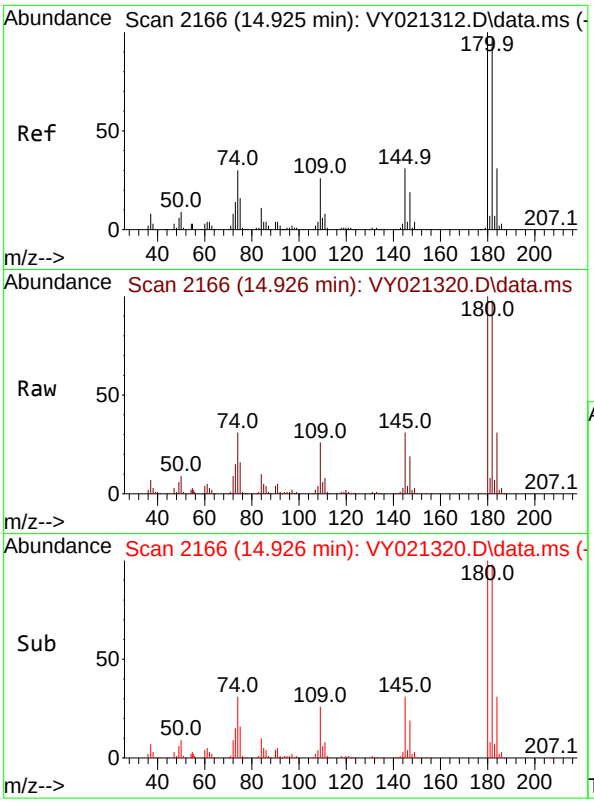




#92
1,2-Dibromo-3-Chloropropane
Concen: 47.306 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 13100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.5 | 41.9 | 125.6 |
| 157 | 107.7 | 52.5 | 157.6 |



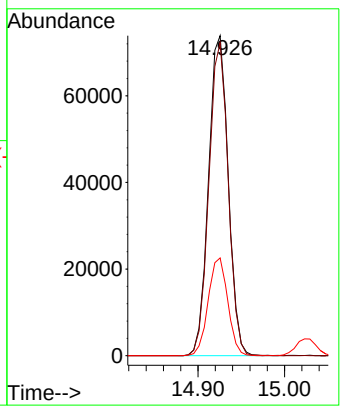


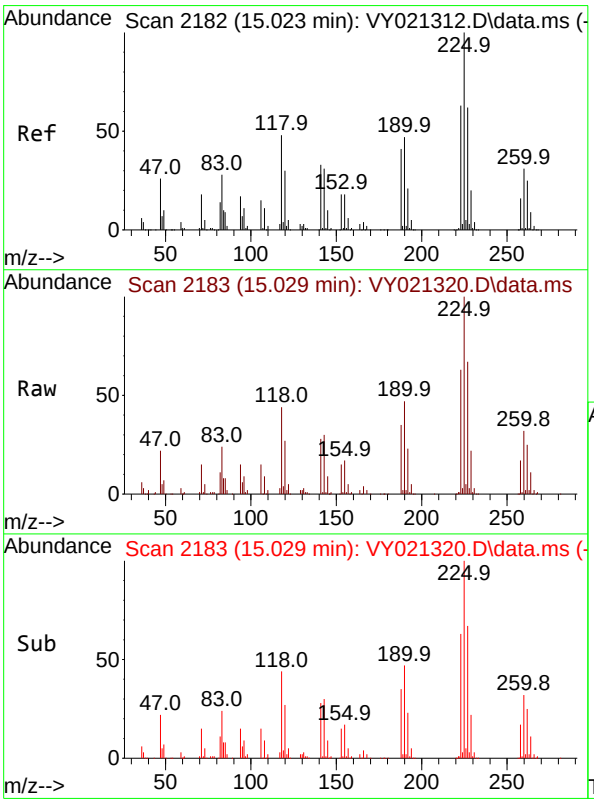

#93
1,2,4-Trichlorobenzene
Concen: 47.769 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 116572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 47.9 | 143.7 |
| 145 | 30.4 | 15.6 | 46.8 |

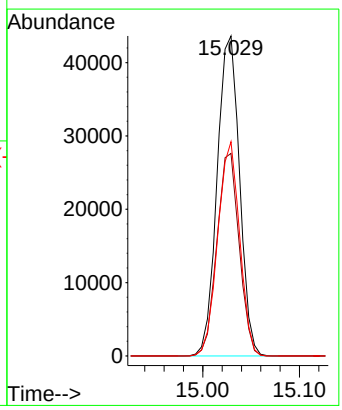


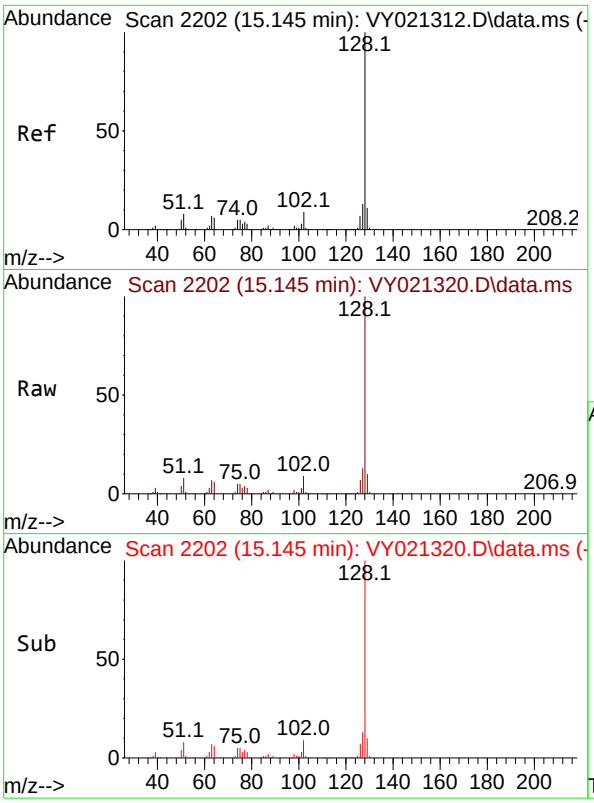




#94
Hexachlorobutadiene
Concen: 45.603 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:225 Resp: 70063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 31.8 | 95.4 |
| 227 | 65.3 | 31.9 | 95.7 |



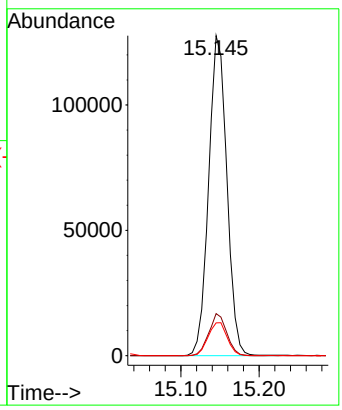


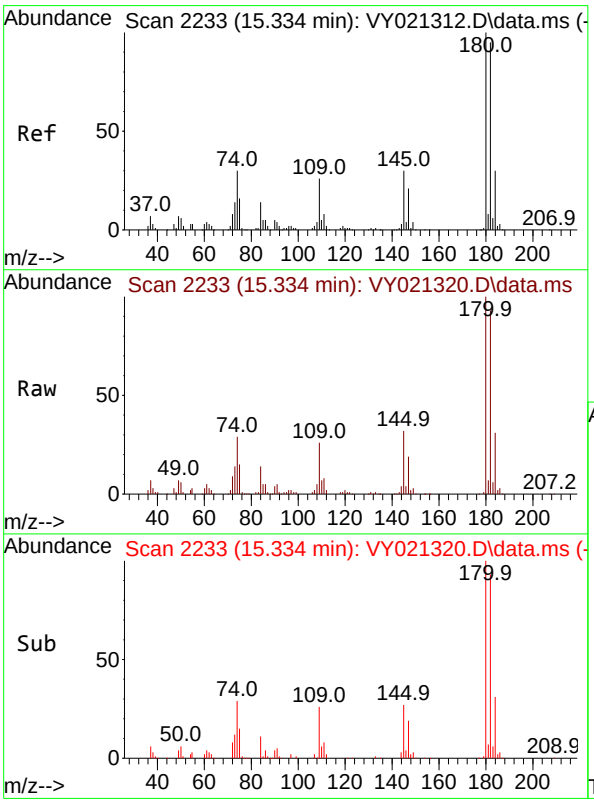

#95
Naphthalene
Concen: 50.937 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 205892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.5 | 15.7 |
| 129 | 10.9 | 8.5 | 12.7 |

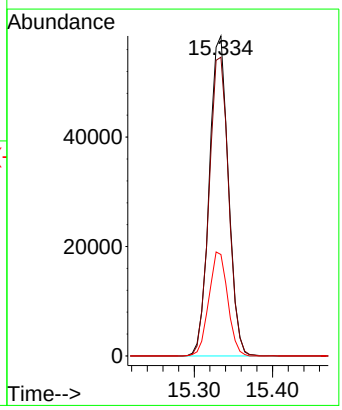



#96
1,2,3-Trichlorobenzene
Concen: 47.779 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:180 Resp: 98515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 48.3 | 144.9 |
| 145 | 32.2 | 16.1 | 48.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 184417 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.615 | 114 | 291138 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 254891 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 128725 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 97685 | 46.693 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 93.380% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 90492 | 47.410 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 94.820% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 351200 | 47.609 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 95.220% | | | |
| 62) 4-Bromofluorobenzene | 12.407 | 95 | 117404 | 47.291 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 94.580% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 34125 | 19.517 | ug/l | 97 |
| 3) Chloromethane | 2.068 | 50 | 42771 | 18.941 | ug/l | 96 |
| 4) Vinyl Chloride | 2.202 | 62 | 42765 | 19.295 | ug/l | 98 |
| 5) Bromomethane | 2.592 | 94 | 28297 | 19.212 | ug/l | 100 |
| 6) Chloroethane | 2.732 | 64 | 26124 | 19.007 | ug/l | 95 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 63673 | 19.022 | ug/l | 100 |
| 8) Diethyl Ether | 3.452 | 74 | 19334 | 19.245 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 38299 | 19.763 | ug/l | 98 |
| 10) Methyl Iodide | 4.007 | 142 | 37750 | 18.516 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.854 | 59 | 13942 | 86.641 | ug/l # | 90 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 35305 | 19.026 | ug/l | 96 |
| 13) Acrolein | 3.653 | 56 | 20005 | 162.231 | ug/l | 95 |
| 14) Allyl chloride | 4.385 | 41 | 62973 | 19.141 | ug/l | 98 |
| 15) Acrylonitrile | 5.061 | 53 | 42599 | 95.903 | ug/l | 99 |
| 16) Acetone | 3.872 | 43 | 38073 | 94.873 | ug/l | 99 |
| 17) Carbon Disulfide | 4.104 | 76 | 114721 | 18.619 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 18152 | 18.509 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 5.110 | 73 | 93663 | 19.105 | ug/l | 100 |
| 20) Methylene Chloride | 4.610 | 84 | 40120 | 18.488 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 38871 | 19.029 | ug/l | 97 |
| 22) Diisopropyl ether | 6.018 | 45 | 134550 | 19.764 | ug/l | 100 |
| 23) Vinyl Acetate | 5.957 | 43 | 386141 | 94.917 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 73384 | 19.125 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 56272 | 92.910 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 66242 | 19.026 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 44795 | 19.204 | ug/l | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 30330 | 17.864 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 37274 | 94.152 | ug/l | 98 |
| 30) Chloroform | 7.421 | 83 | 75017 | 19.294 | ug/l | 99 |
| 31) Cyclohexane | 7.701 | 56 | 69642 | 18.881 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 67879 | 19.180 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 55184 | 19.247 | ug/l | 100 |
| 37) Ethyl Acetate | 6.988 | 43 | 28035 | 19.657 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 61214 | 18.991 | ug/l | 96 |
| 39) Methylcyclohexane | 9.109 | 83 | 68527 | 18.897 | ug/l | 97 |
| 40) Benzene | 8.079 | 78 | 163641 | 19.308 | ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 10887 | 13.653 ug/l # | 73 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 46152 | 19.193 ug/l | 100 |
| 43) Isopropyl Acetate | 8.195 | 43 | 51417 | 18.626 ug/l | 99 |
| 44) Trichloroethene | 8.865 | 130 | 40770 | 19.214 ug/l | 98 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 39037 | 19.139 ug/l | 95 |
| 46) Dibromomethane | 9.231 | 93 | 21795 | 19.549 ug/l | 97 |
| 47) Bromodichloromethane | 9.420 | 83 | 56650 | 19.056 ug/l | 97 |
| 48) Methyl methacrylate | 9.219 | 41 | 25014 | 19.377 ug/l | 99 |
| 49) 1,4-Dioxane | 9.231 | 88 | 4576 | 369.128 ug/l | 97 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 131838 | 93.298 ug/l | 100 |
| 52) Toluene | 10.170 | 92 | 101381 | 19.255 ug/l | 100 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 51842 | 19.034 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 61986 | 19.278 ug/l | 96 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 27740 | 19.099 ug/l | 97 |
| 56) Ethyl methacrylate | 10.438 | 69 | 37632 | 18.751 ug/l | 99 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 49393 | 19.380 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 87093 | 90.414 ug/l | 100 |
| 59) 2-Hexanone | 10.761 | 43 | 87008 | 93.755 ug/l | 99 |
| 60) Dibromochloromethane | 10.908 | 129 | 38212 | 19.318 ug/l | 100 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 25849 | 18.799 ug/l | 96 |
| 64) Tetrachloroethene | 10.646 | 164 | 36984 | 19.197 ug/l | 97 |
| 65) Chlorobenzene | 11.444 | 112 | 108578 | 18.977 ug/l | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 39302 | 19.617 ug/l | 98 |
| 67) Ethyl Benzene | 11.517 | 91 | 192592 | 19.003 ug/l | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 147929 | 38.806 ug/l | 100 |
| 69) o-Xylene | 11.956 | 106 | 69071 | 19.342 ug/l | 99 |
| 70) Styrene | 11.969 | 104 | 114447 | 19.262 ug/l | 99 |
| 71) Bromoform | 12.133 | 173 | 21872 | 19.083 ug/l # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 184435 | 19.058 ug/l | 100 |
| 74) N-amyl acetate | 12.072 | 43 | 44104 | 17.930 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 32169 | 18.835 ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 42083 | 32.661 ug/l # | 100 |
| 77) Bromobenzene | 12.529 | 156 | 42599 | 18.925 ug/l | 98 |
| 78) n-propylbenzene | 12.596 | 91 | 226845 | 19.317 ug/l | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 128526 | 19.070 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 155422 | 19.582 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 10066 | 17.364 ug/l | 95 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 133936 | 19.171 ug/l | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 136788 | 19.079 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 152431 | 19.310 ug/l | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 204066 | 19.486 ug/l | 100 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 167856 | 19.195 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 13.291 | 146 | 85257 | 19.148 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 84570 | 19.226 ug/l | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 155625 | 18.911 ug/l | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 34224 | 18.736 ug/l | 100 |
| 91) 1,2-Dichlorobenzene | 13.663 | 146 | 73256 | 18.778 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75 | 5025 | 18.599 ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 42148 | 17.702 ug/l | 99 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 27956 | 18.650 ug/l | 99 |
| 95) Naphthalene | 15.151 | 128 | 68106 | 17.269 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 36072 | 17.931 ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

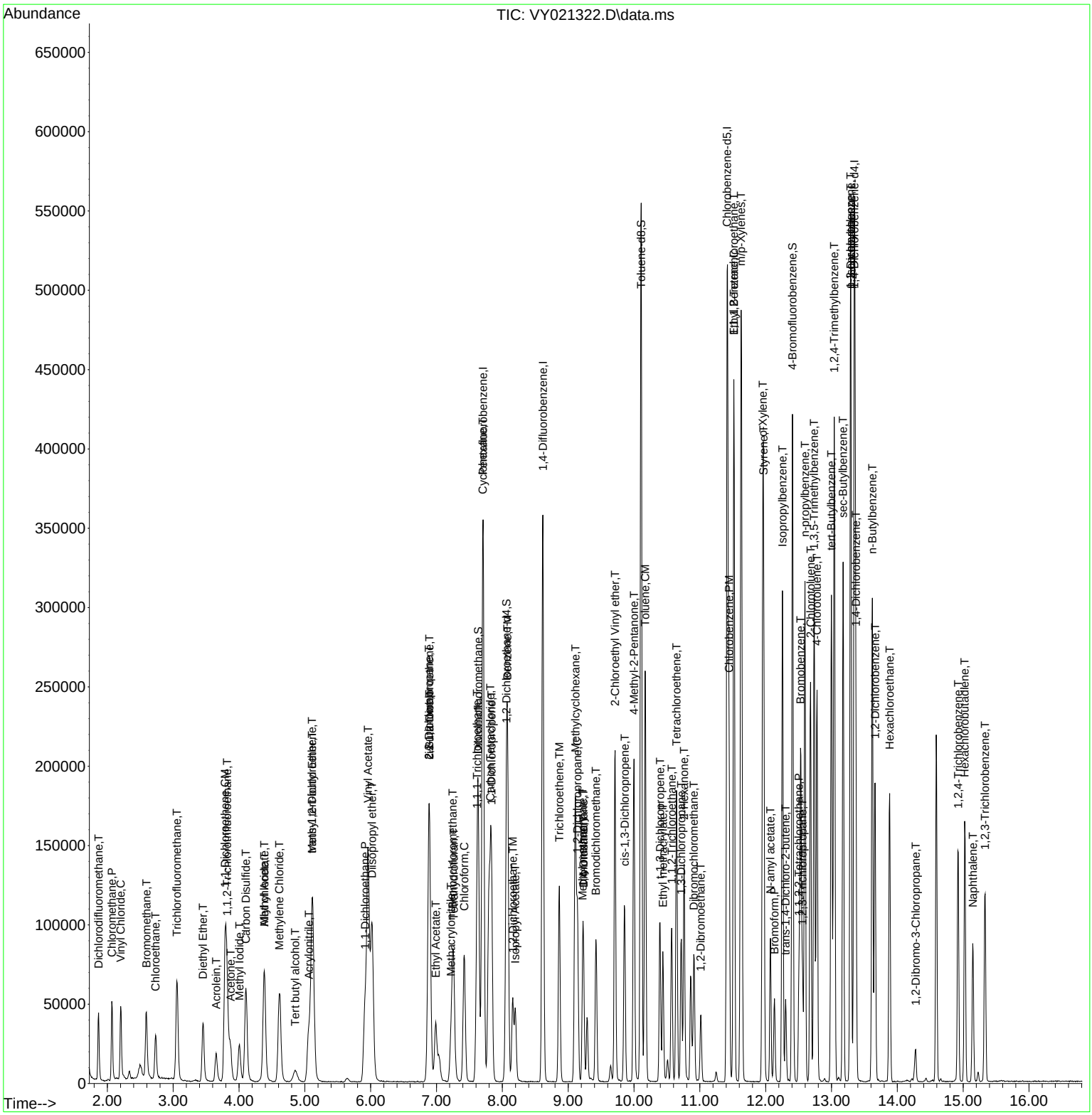
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

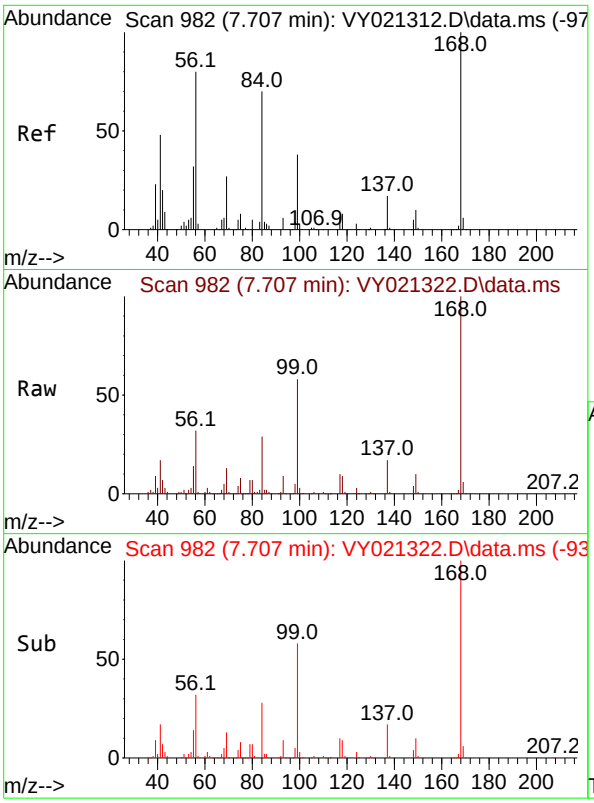
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



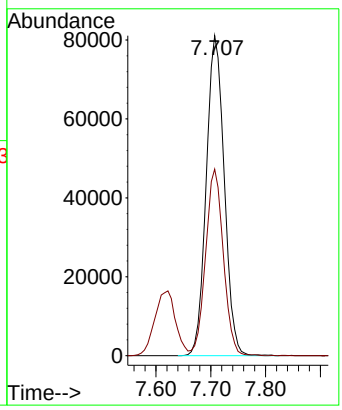


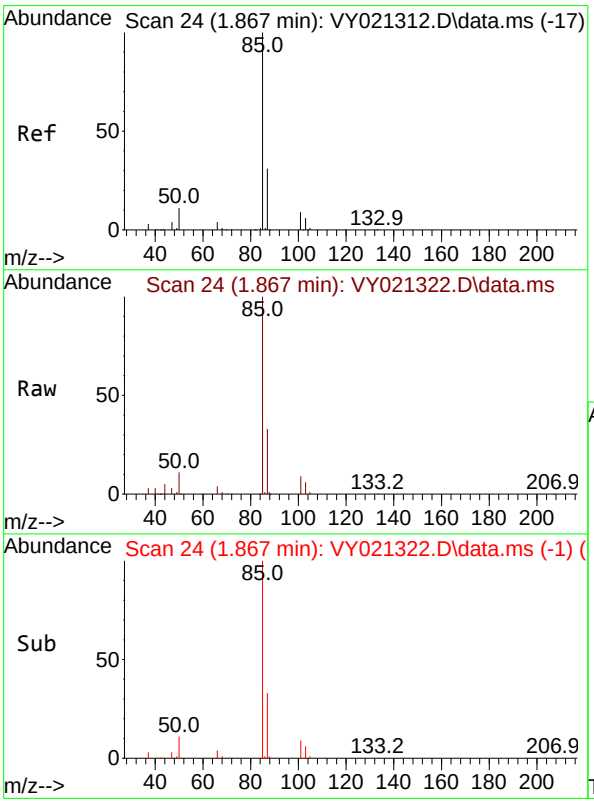

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:168 Resp: 184417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.3 | 47.1 | 70.7 |

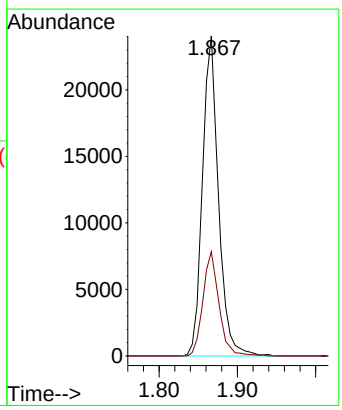


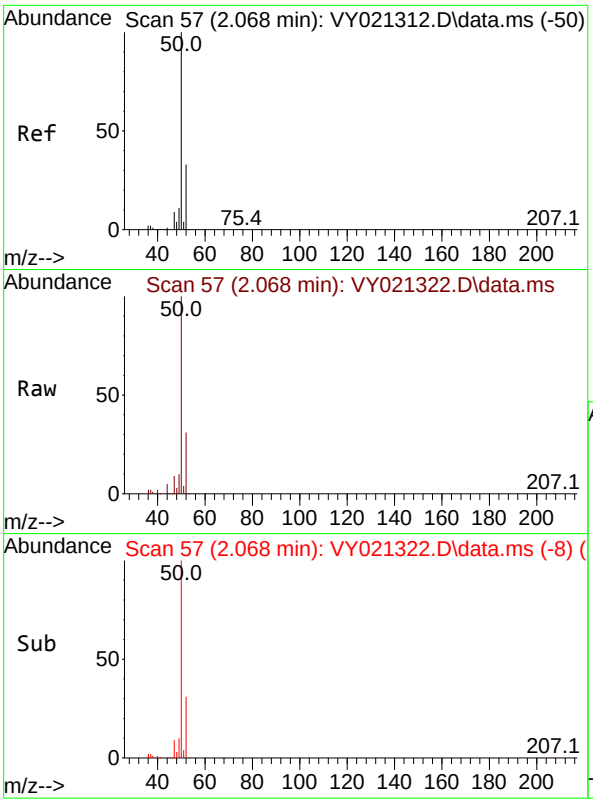




#2
Dichlorodifluoromethane
Concen: 19.517 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 85 Resp: 34125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 15.4 | 46.4 |



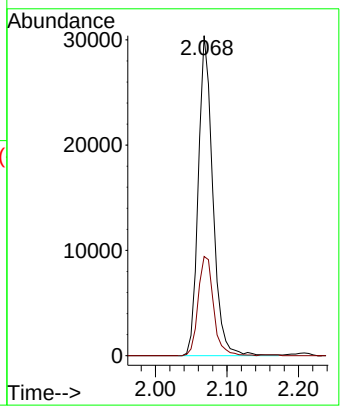


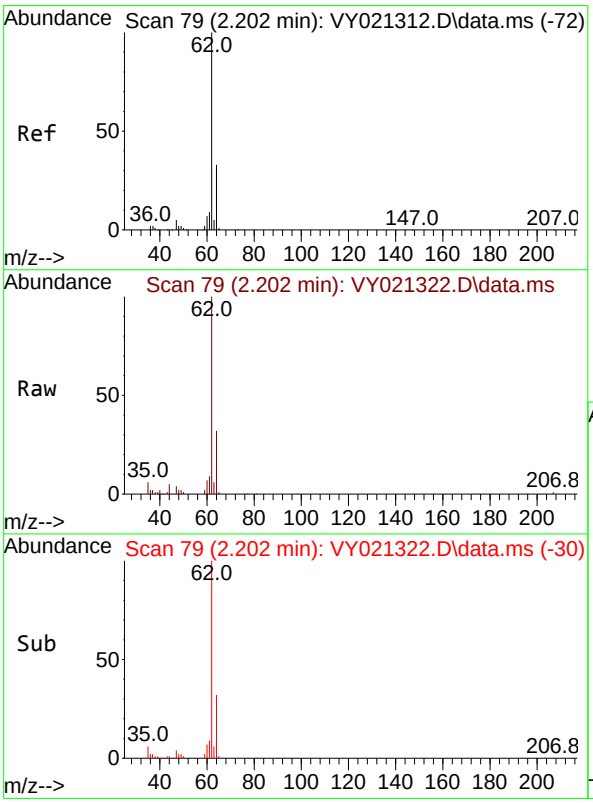

#3
Chloromethane
Concen: 18.941 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 50 Resp: 42771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.0 | 26.6 | 40.0 |

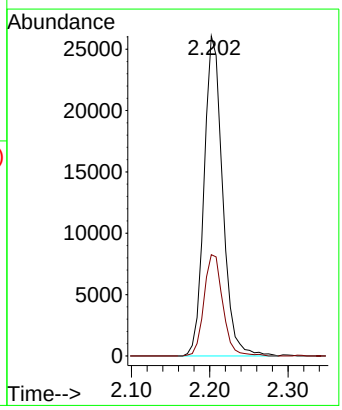


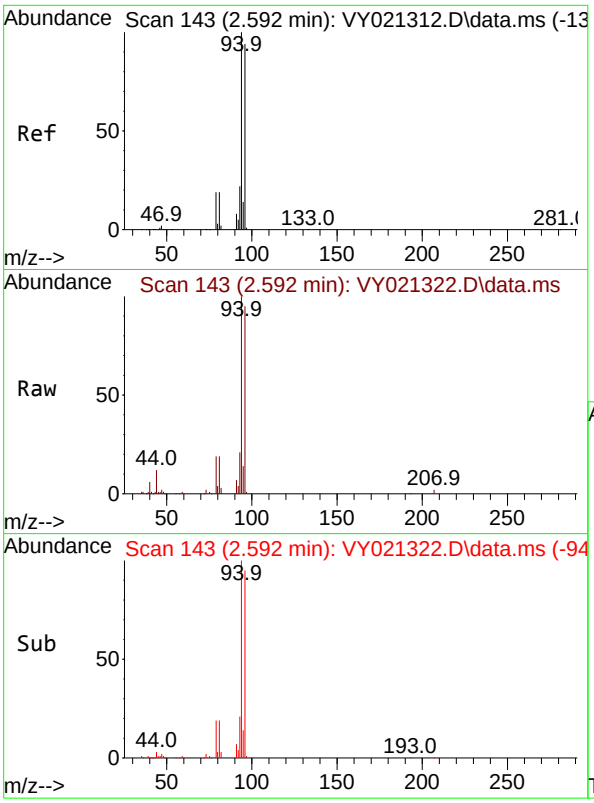




#4
Vinyl Chloride
Concen: 19.295 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 42765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 26.3 | 39.5 |



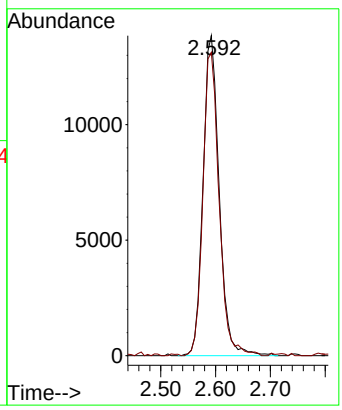


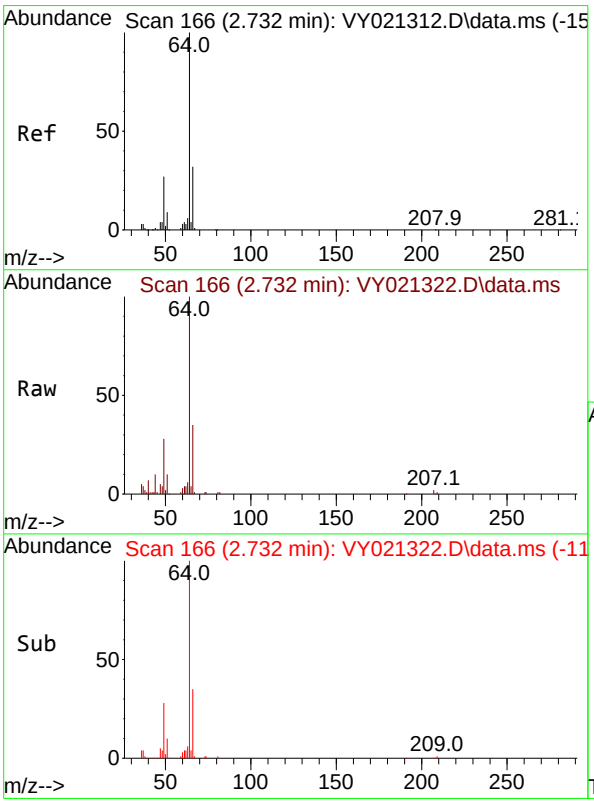

#5
Bromomethane
Concen: 19.212 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 94 Resp: 28297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.4 | 75.2 | 112.8 |

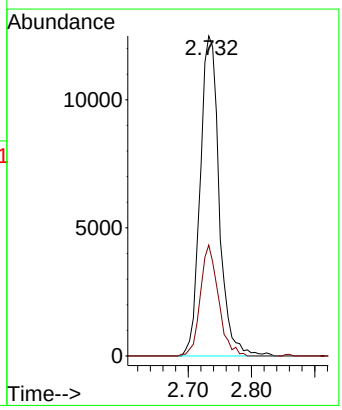


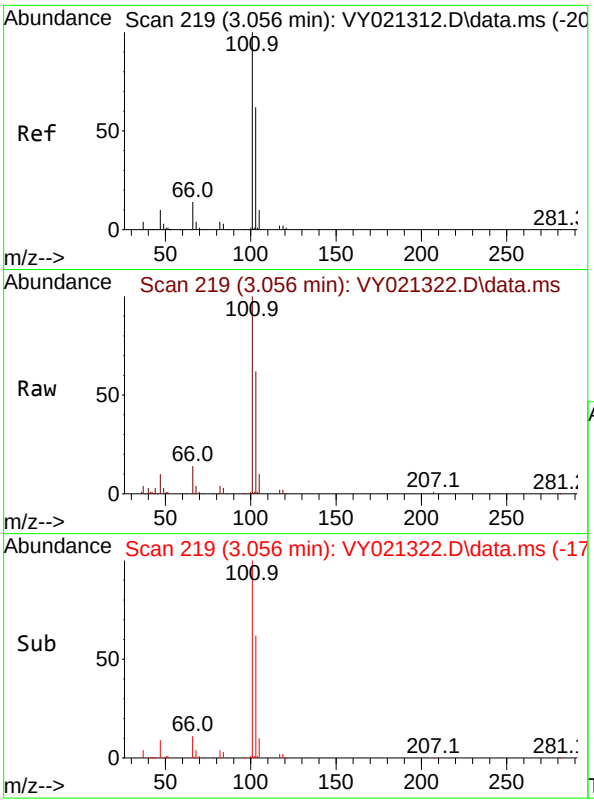




#6
Chloroethane
Concen: 19.007 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 64 Resp: 26124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.6 | 25.4 | 38.0 |



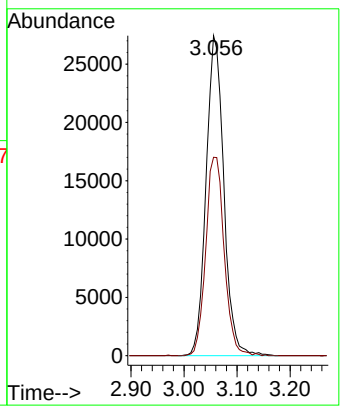


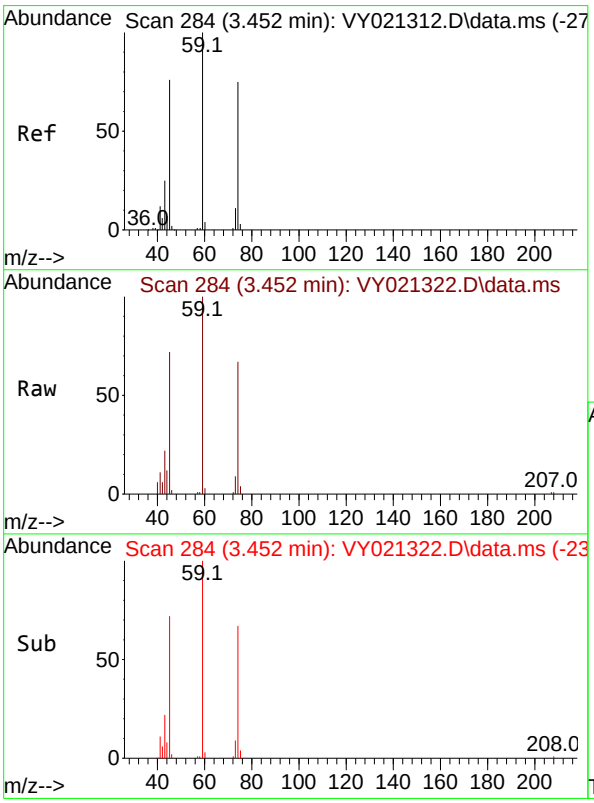

#7
Trichlorofluoromethane
Concen: 19.022 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:101 Resp: 63673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.0 | 49.7 | 74.5 |

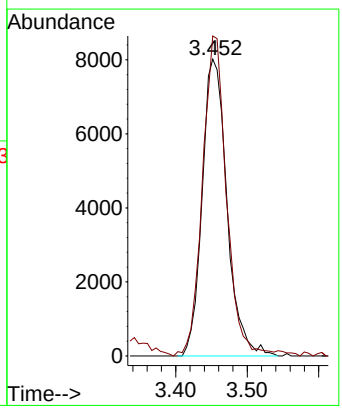


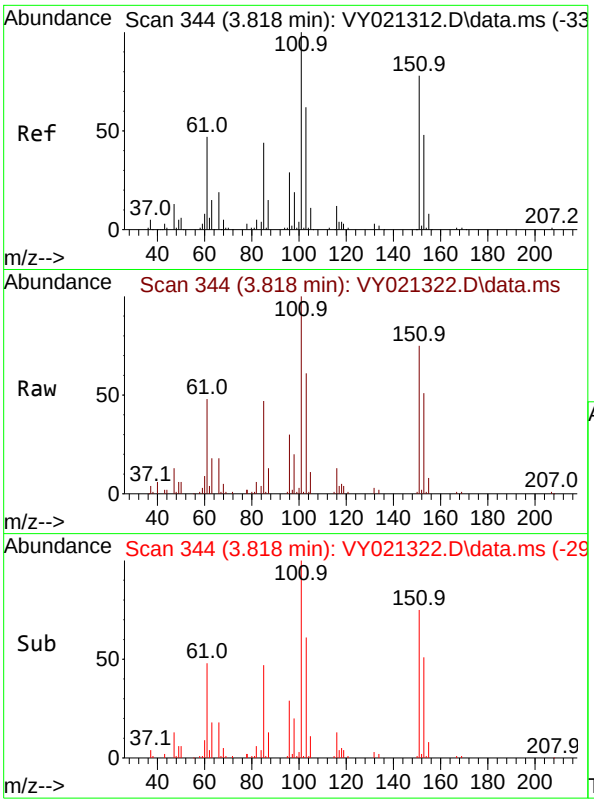




#8
Diethyl Ether
Concen: 19.245 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 74 Resp: 19334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.1 | 50.3 | 150.9 |



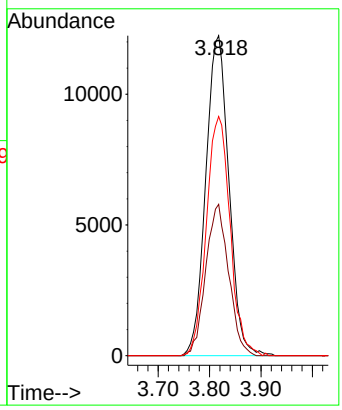


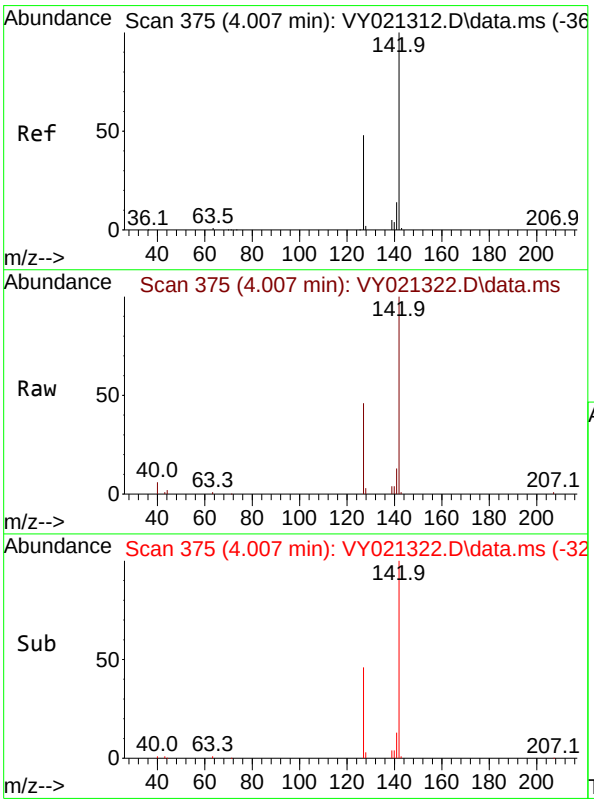

#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.763 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:101 Resp: 38299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.9 | 36.7 | 55.1 |
| 151 | 76.6 | 62.6 | 94.0 |

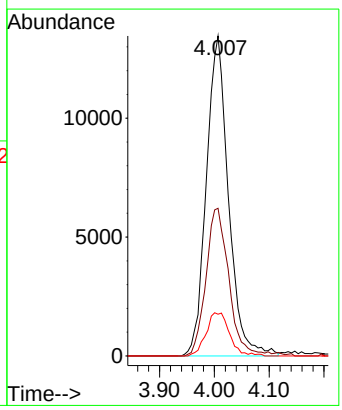


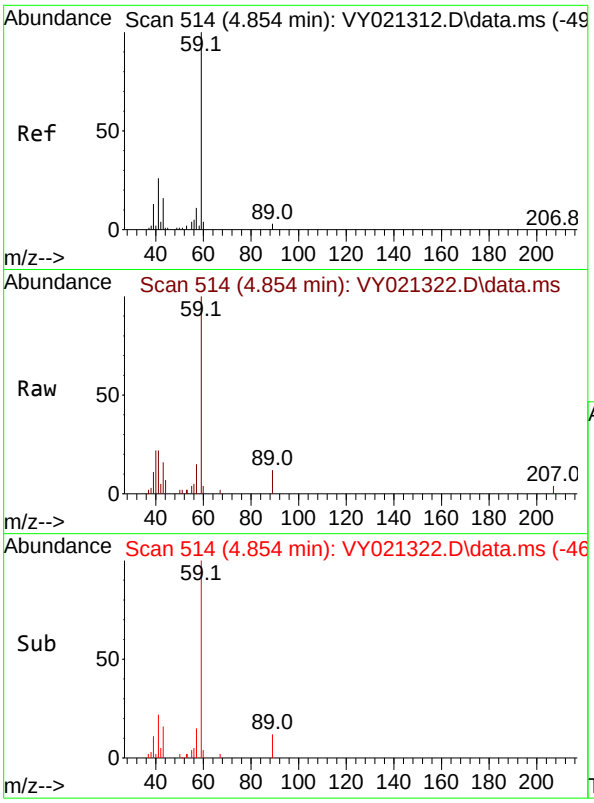




#10
Methyl Iodide
Concen: 18.516 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:142 Resp: 37750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.7 | 39.2 | 58.8 |
| 141 | 14.3 | 11.4 | 17.2 |



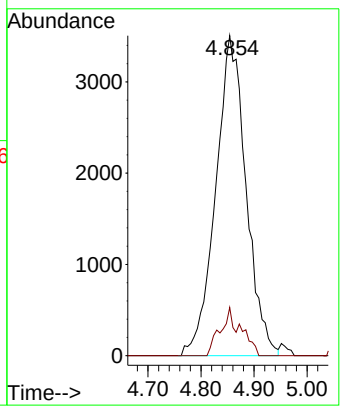


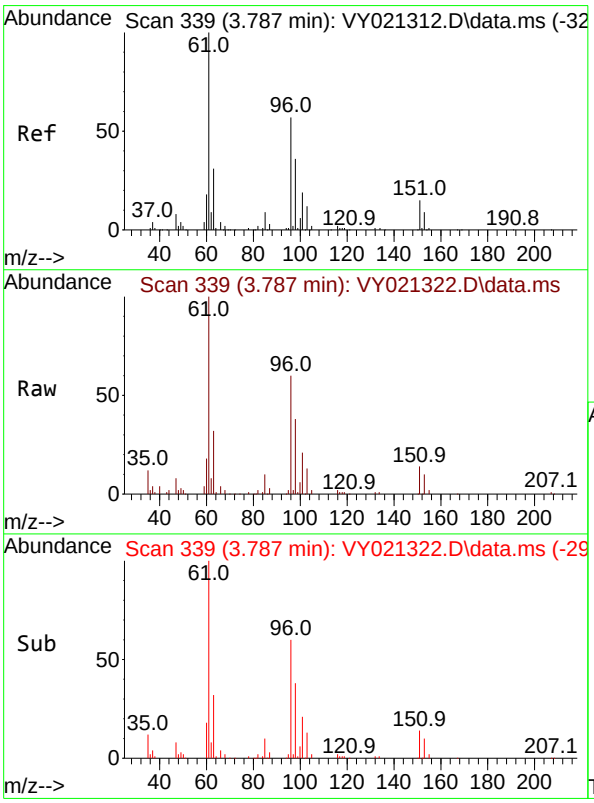

#11
Tert butyl alcohol
Concen: 86.641 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 59 Resp: 13942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 6.7 | 8.3 | 12.5# |

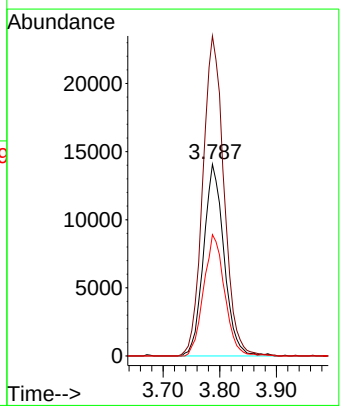


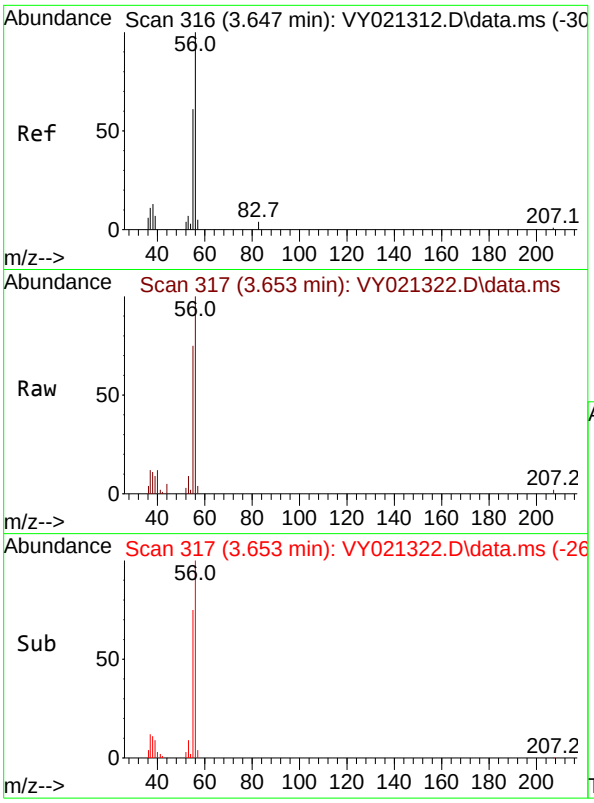




#12
1,1-Dichloroethene
Concen: 19.026 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 35305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 167.0 | 139.7 | 209.5 |
| 98 | 63.3 | 49.7 | 74.5 |



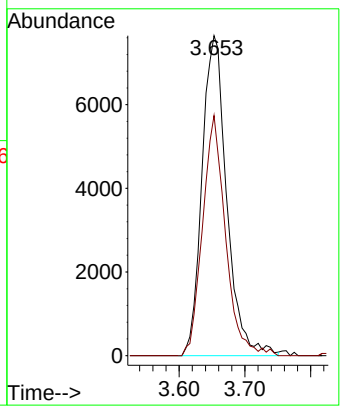


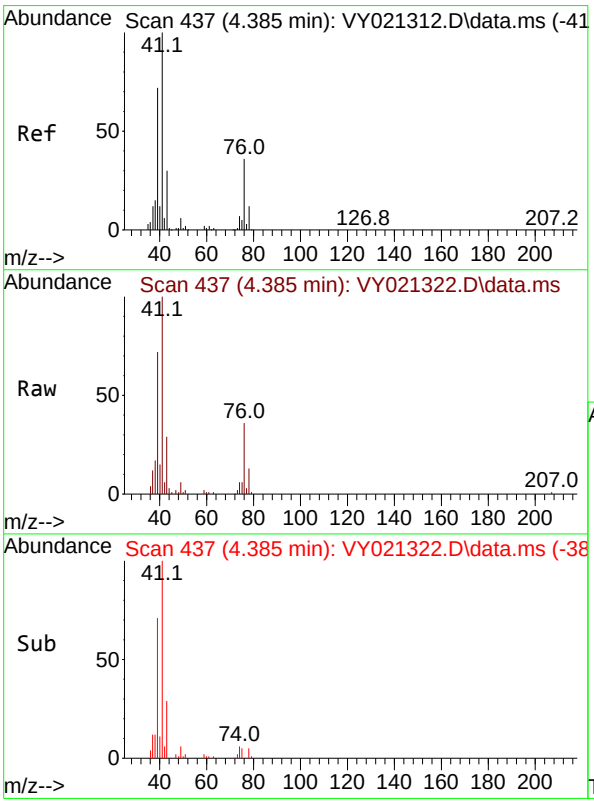

#13
Acrolein
Concen: 162.231 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 56 Resp: 20005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.9 | 59.0 | 88.6 |

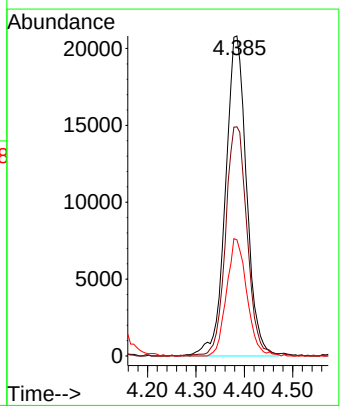


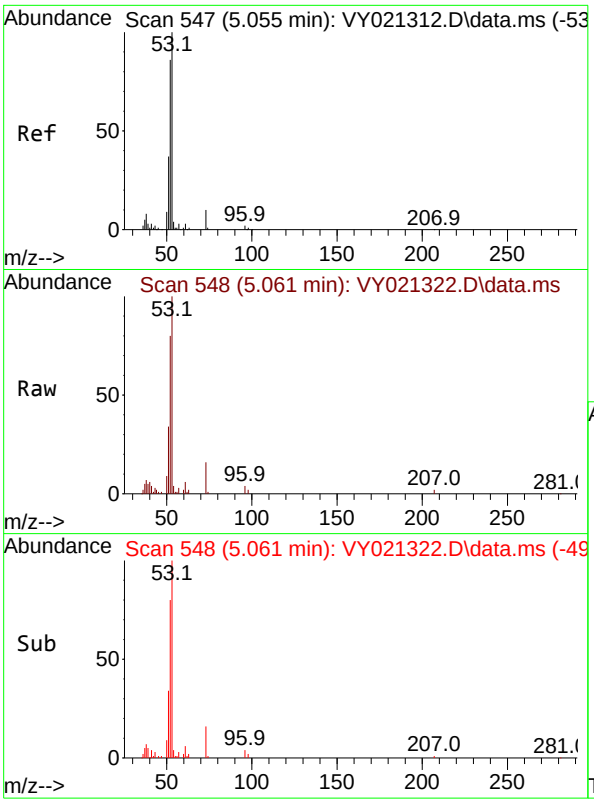




#14
Allyl chloride
Concen: 19.141 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 62973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.4 | 60.0 | 90.0 |
| 76 | 35.3 | 29.0 | 43.6 |



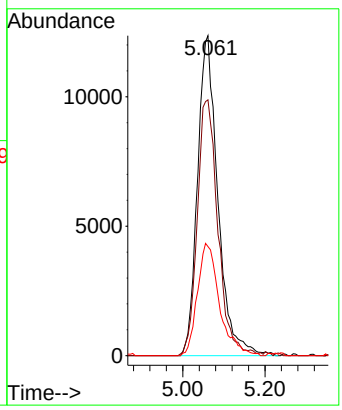


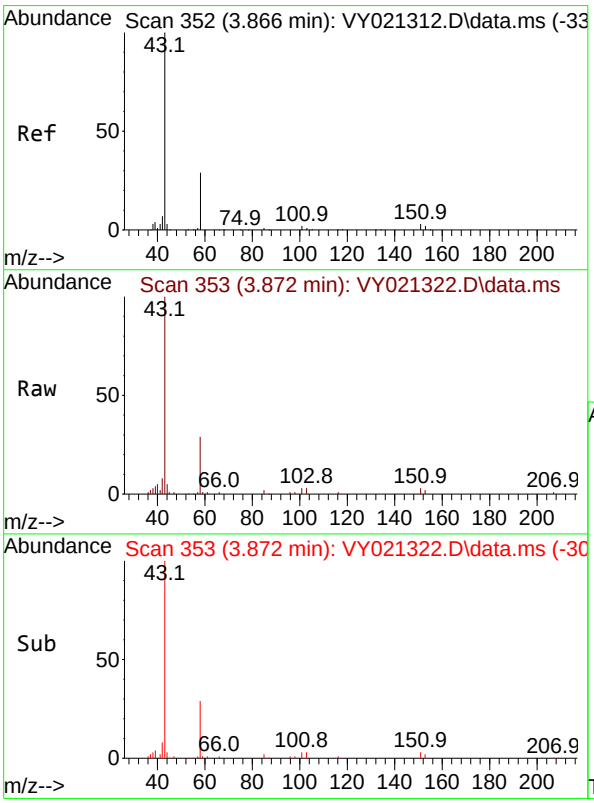

#15
Acrylonitrile
Concen: 95.903 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 53 Resp: 42599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.9 | 65.5 | 98.3 |
| 51 | 38.0 | 30.6 | 46.0 |

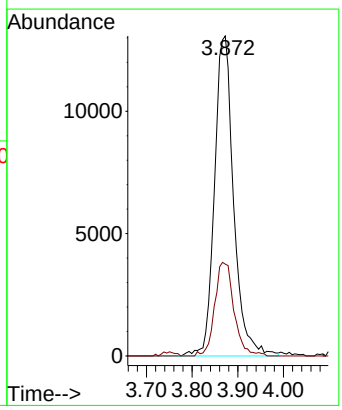


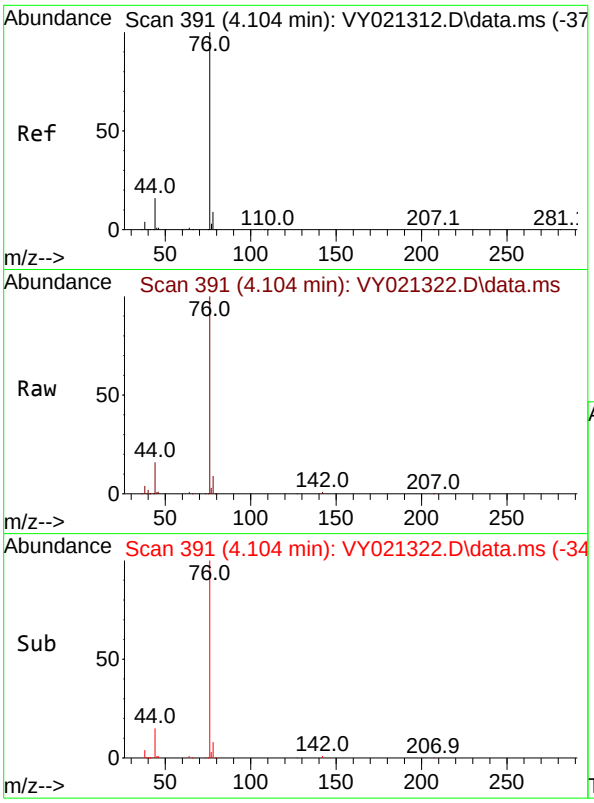




#16
Acetone
Concen: 94.873 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 38073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 23.5 | 35.3 |



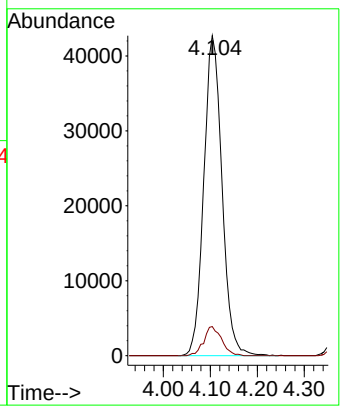


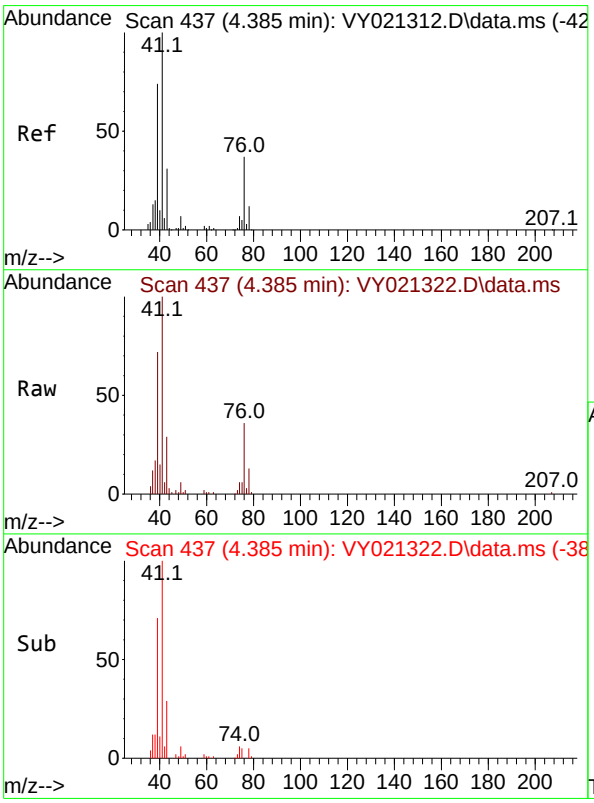

#17
Carbon Disulfide
Concen: 18.619 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 76 Resp: 114721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.1 | 10.7 |

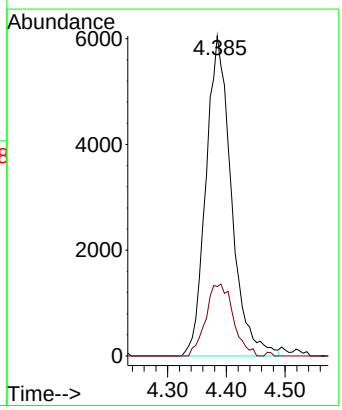


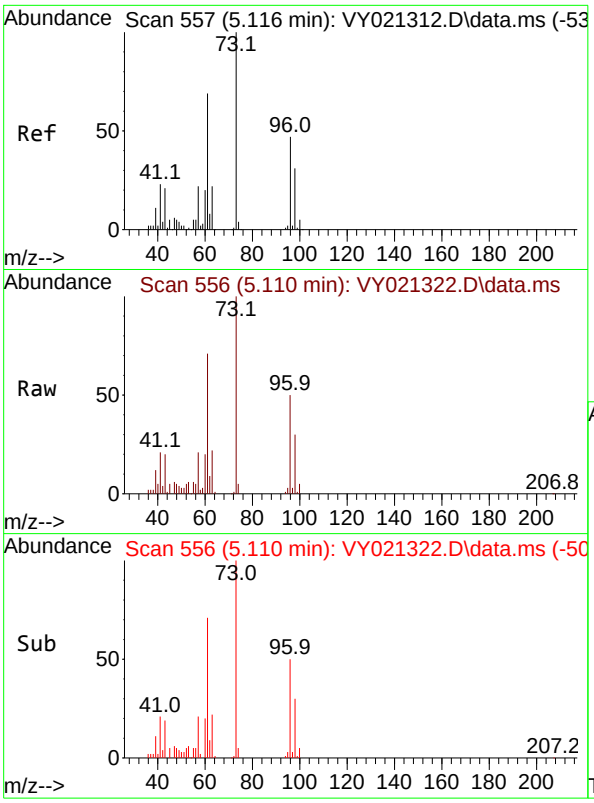




#18
Methyl Acetate
Concen: 18.509 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 18152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.2 | 17.7 | 26.5 |



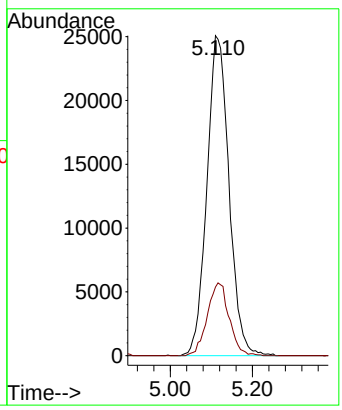


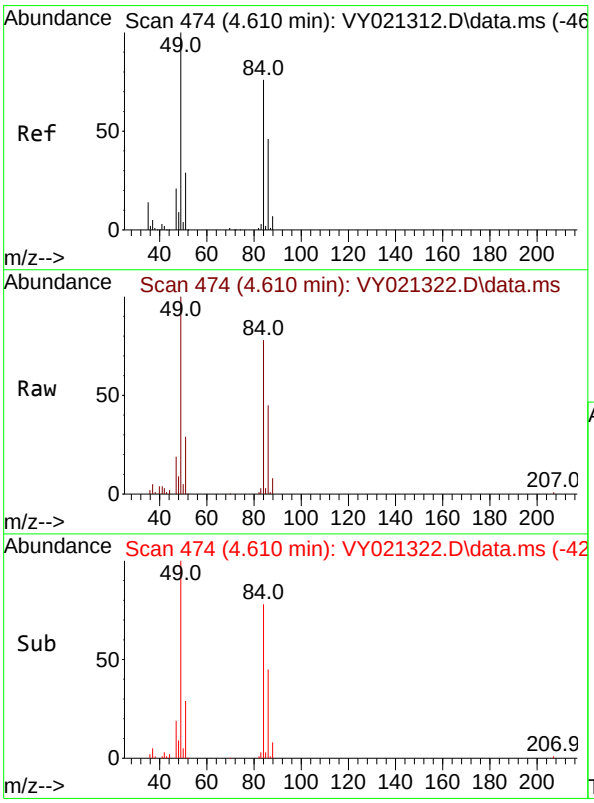

#19
Methyl tert-butyl Ether
Concen: 19.105 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 73 Resp: 93663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.5 | 17.4 | 26.0 |

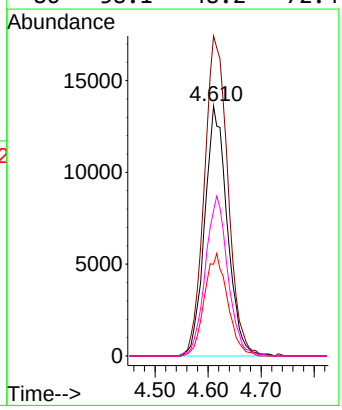


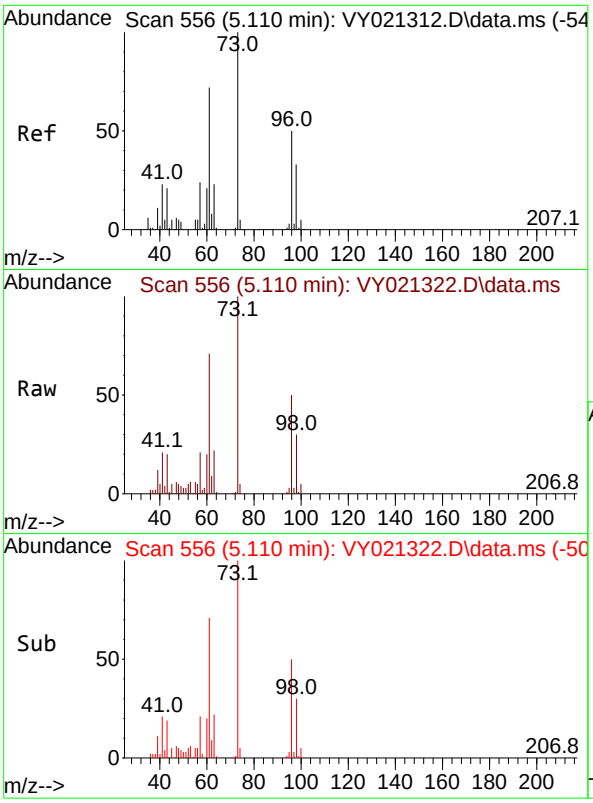




#20
Methylene Chloride
Concen: 18.488 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 84 Resp: 40120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 128.0 | 105.1 | 157.7 |
| 51 | 36.7 | 31.0 | 46.4 |
| 86 | 58.1 | 48.2 | 72.4 |



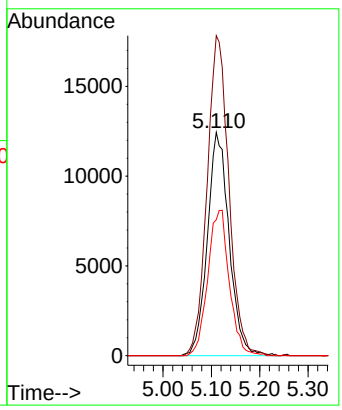


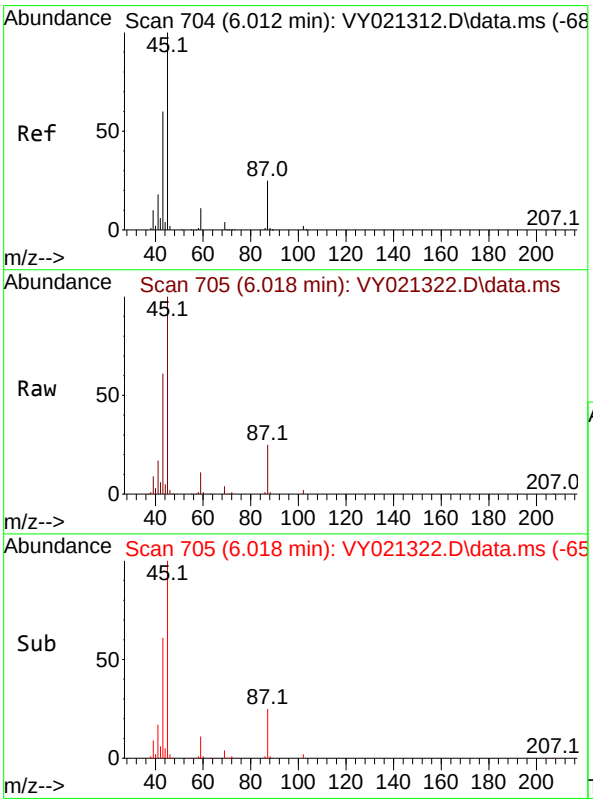

#21
trans-1,2-Dichloroethene
Concen: 19.029 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 96 Resp: 38871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.3 | 116.3 | 174.5 |
| 98 | 60.9 | 52.6 | 78.8 |

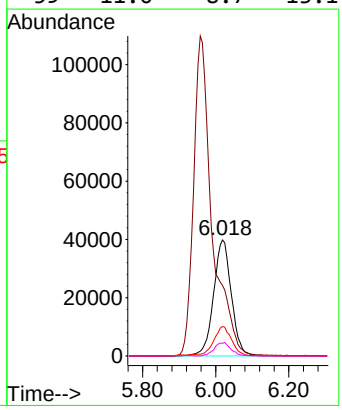


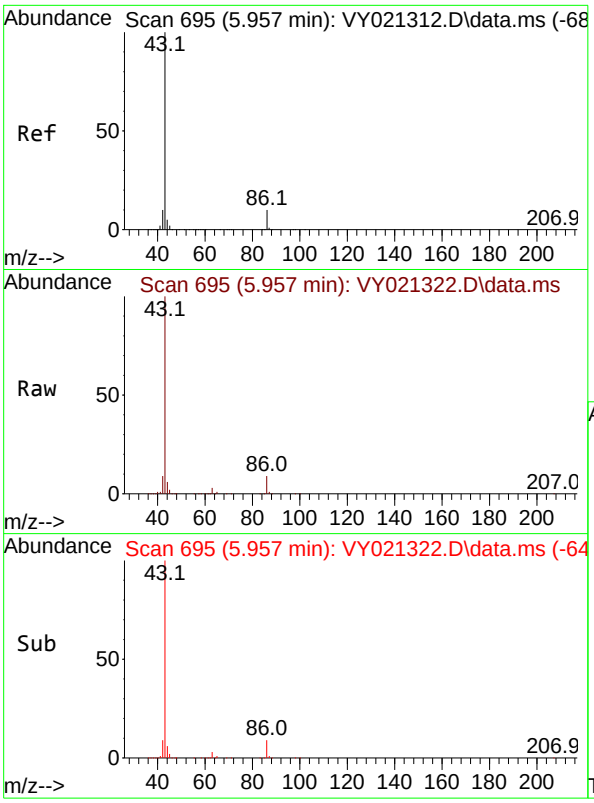




#22
Diisopropyl ether
Concen: 19.764 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 45 Resp: 134550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 60.5 | 48.2 | 72.4 |
| 87 | 25.4 | 20.3 | 30.5 |
| 59 | 11.0 | 8.7 | 13.1 |



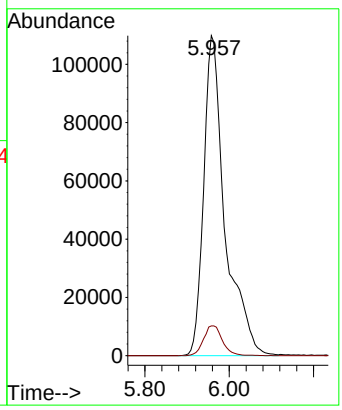


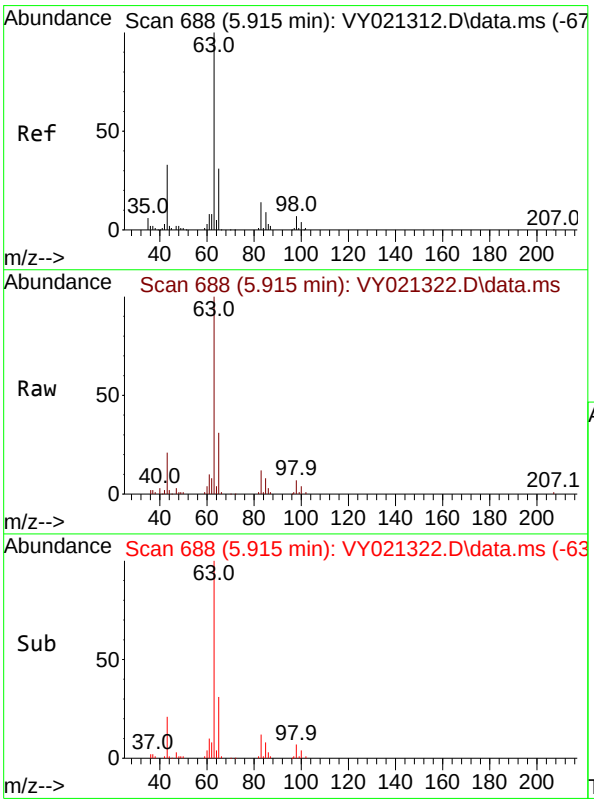

#23
Vinyl Acetate
Concen: 94.917 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 43 Resp: 386141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.3 | 8.0 | 12.0 |

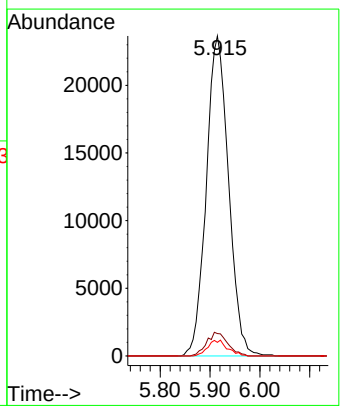


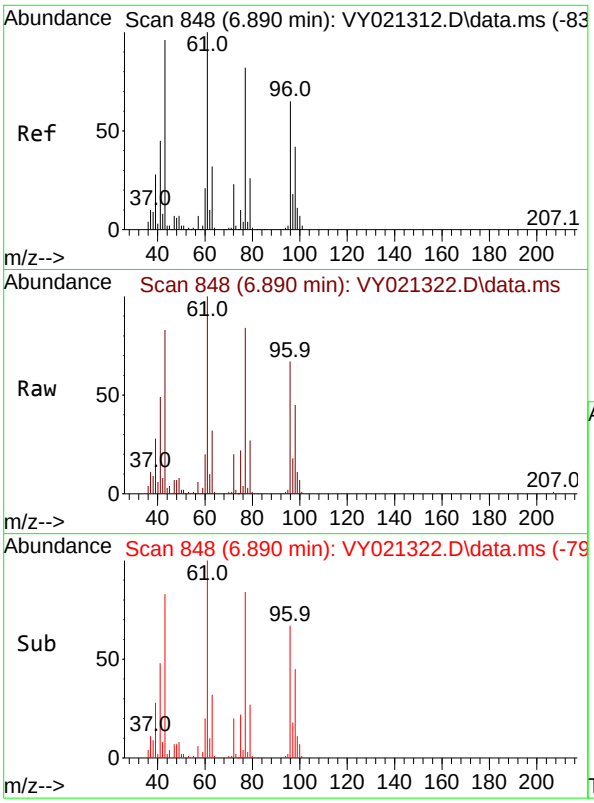




#24
1,1-Dichloroethane
Concen: 19.125 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 73384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.7 | 11.1 |
| 100 | 4.3 | 2.1 | 6.5 |



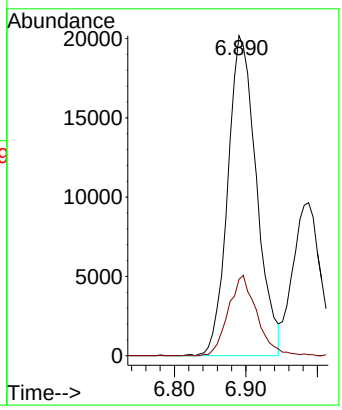


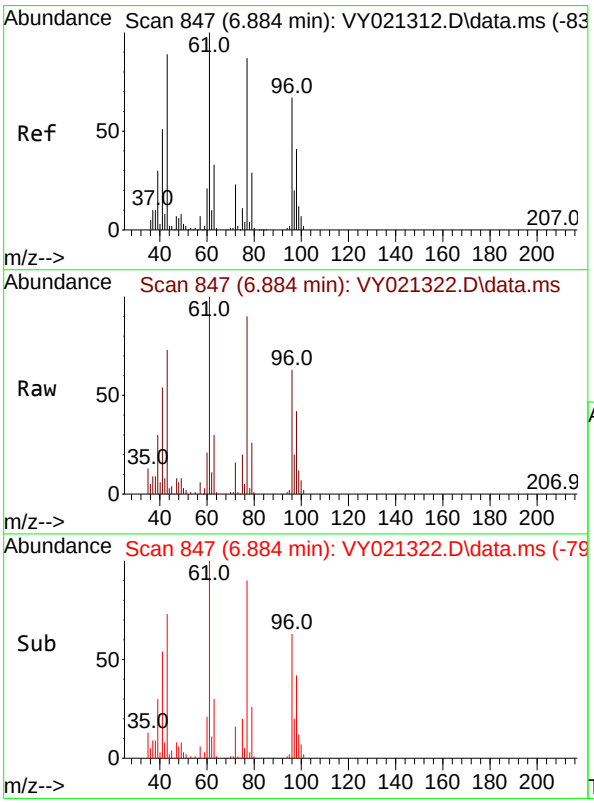

#25
2-Butanone
Concen: 92.910 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 43 Resp: 56272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.9 | 19.0 | 28.6 |

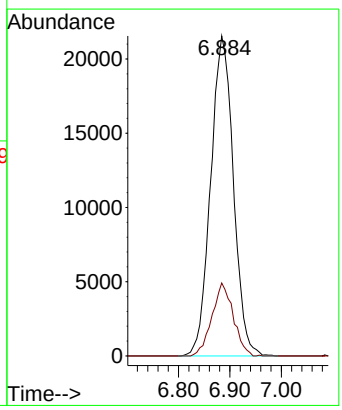


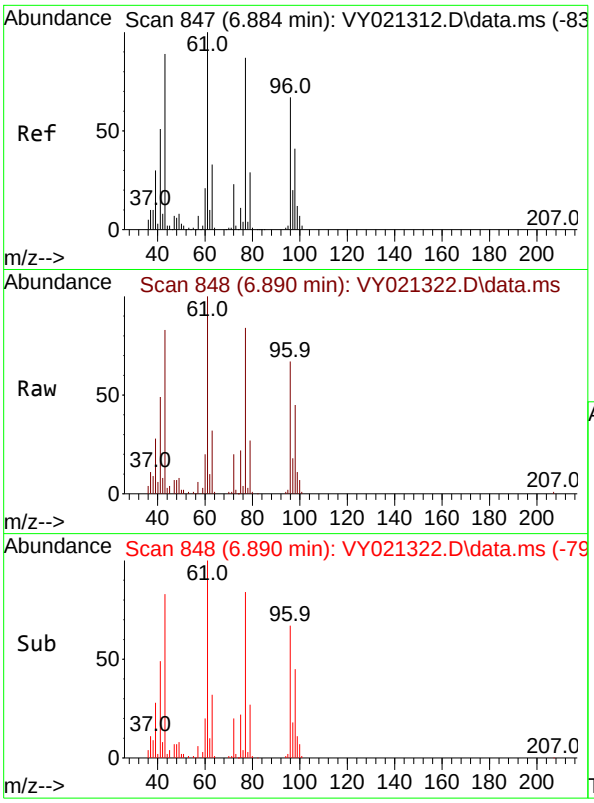




#26
2,2-Dichloropropane
Concen: 19.026 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 77 Resp: 66242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.4 | 10.9 | 32.7 |



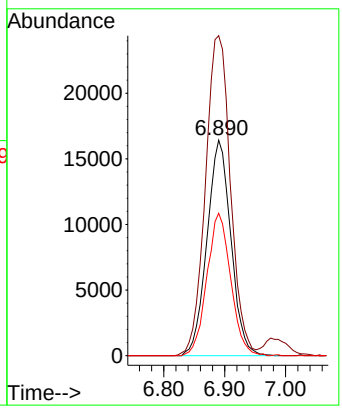


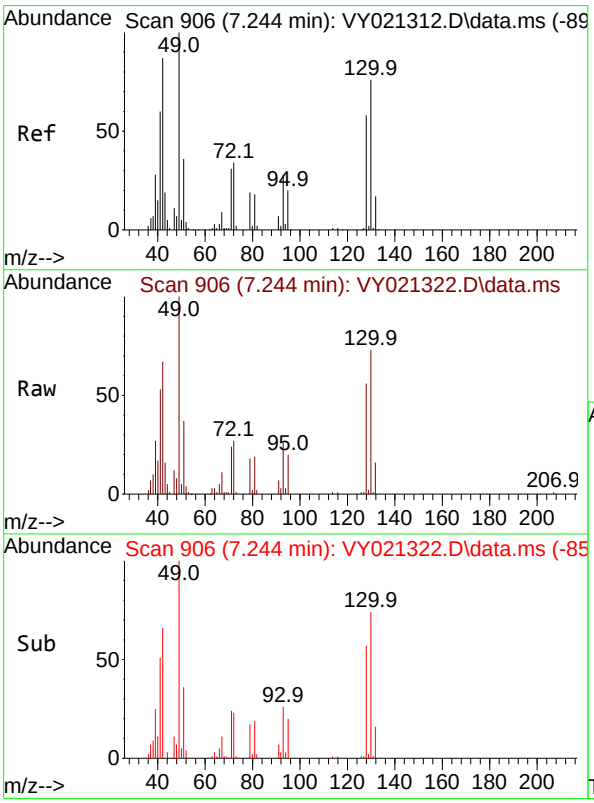

#27
cis-1,2-Dichloroethene
Concen: 19.204 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 96 Resp: 44795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.5 | 0.0 | 308.0 |
| 98 | 65.6 | 0.0 | 129.6 |

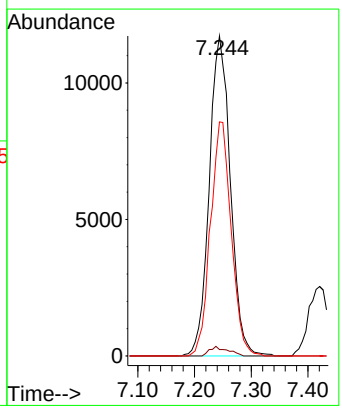


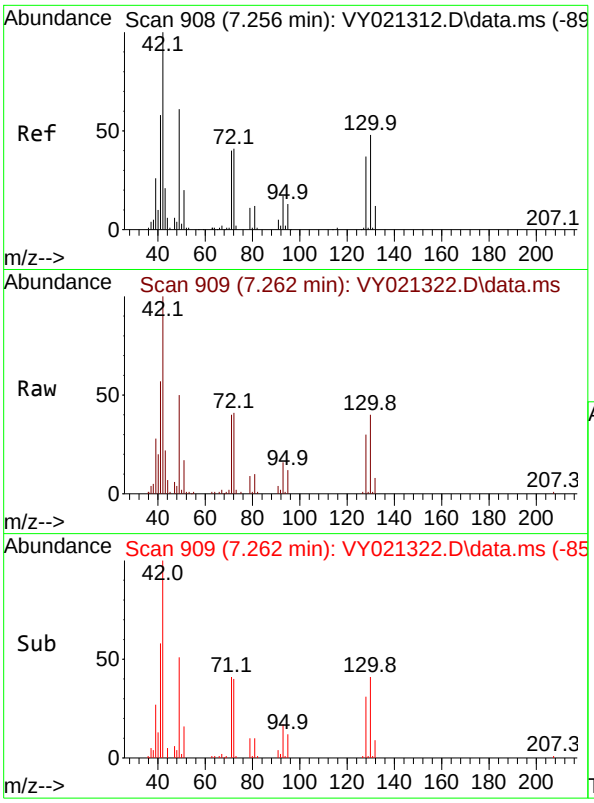




#28
Bromochloromethane
Concen: 17.864 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 49 Resp: 30330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.6 | 0.0 | 4.0 |
| 130 | 71.7 | 57.8 | 86.6 |



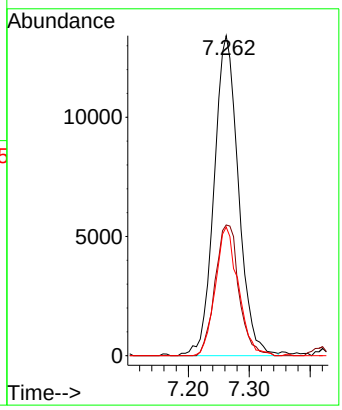


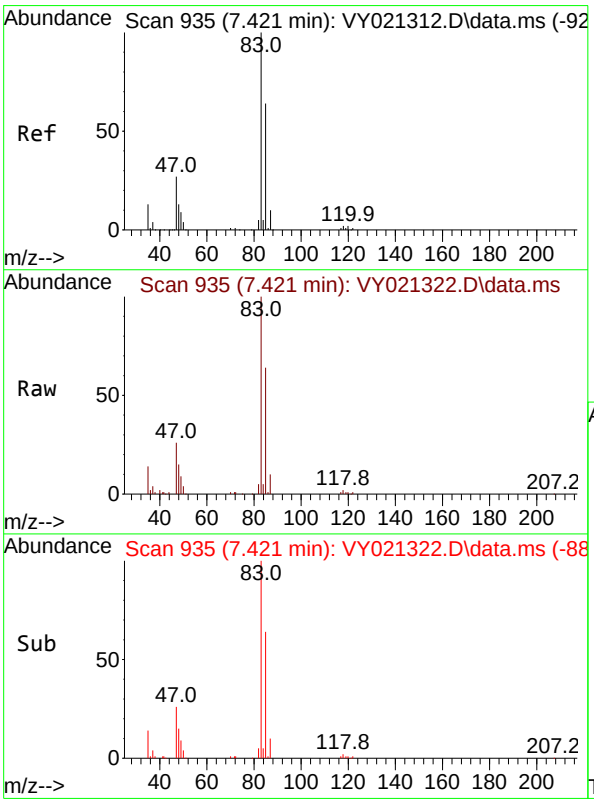

#29
Tetrahydrofuran
Concen: 94.152 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 42 Resp: 37274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.0 | 33.1 | 49.7 |
| 71 | 38.0 | 31.4 | 47.0 |

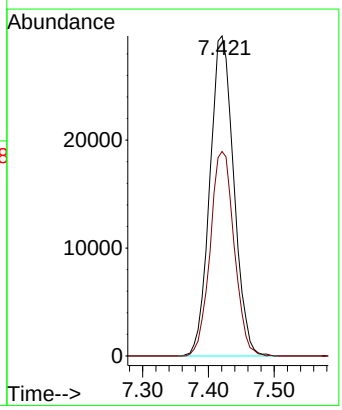


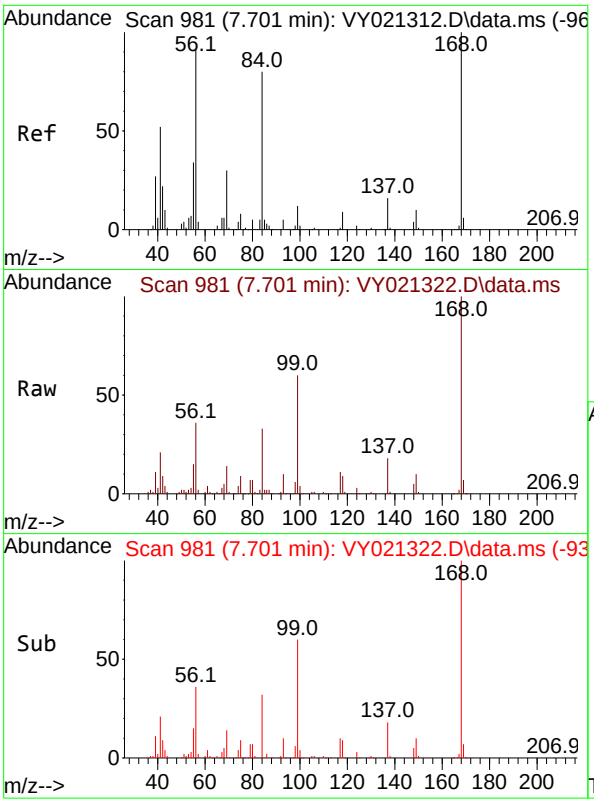




#30
Chloroform
Concen: 19.294 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 75017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 51.6 | 77.4 |



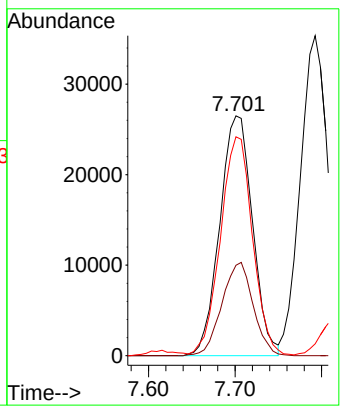


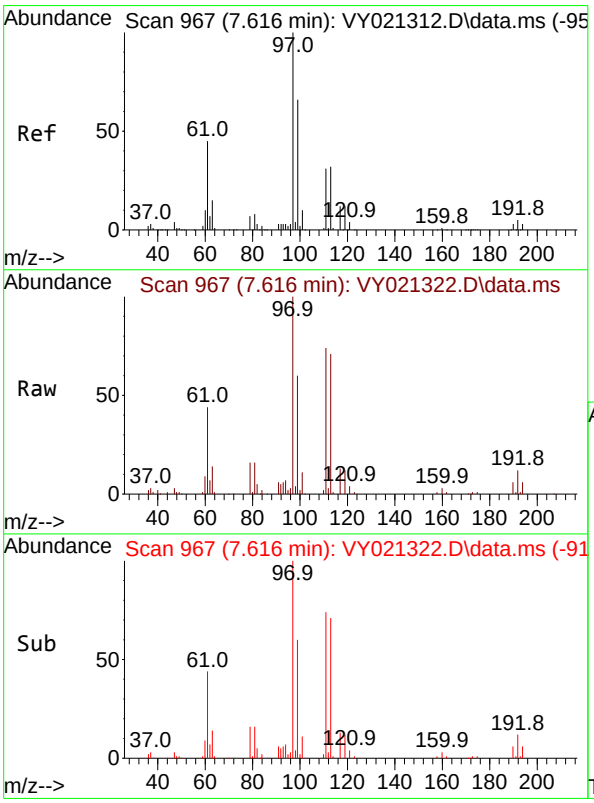

#31
Cyclohexane
Concen: 18.881 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 56 Resp: 69642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 37.7 | 26.2 | 39.4 |
| 84 | 90.1 | 70.2 | 105.4 |

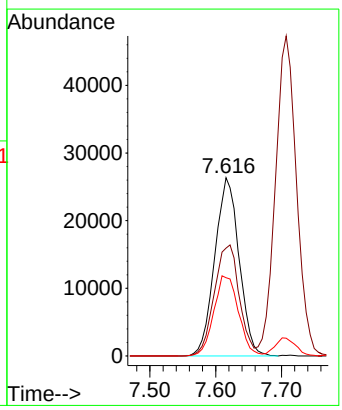


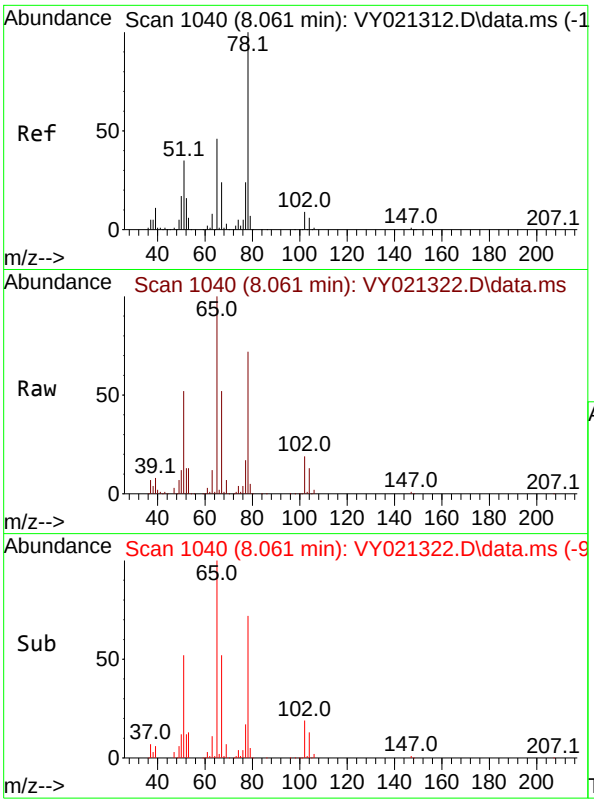




#32
1,1,1-Trichloroethane
Concen: 19.180 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 97 Resp: 67879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.9 | 52.4 | 78.6 |
| 61 | 45.6 | 36.2 | 54.2 |



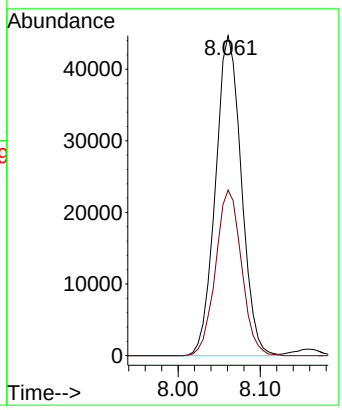


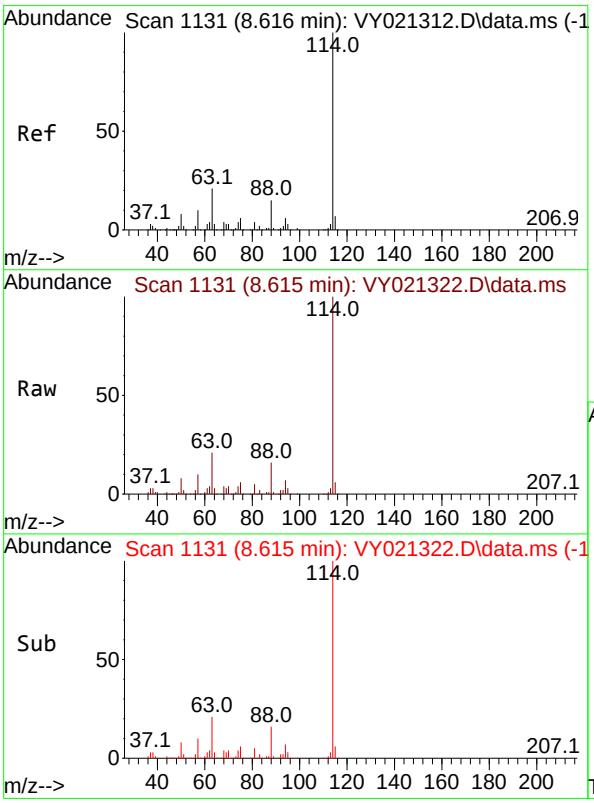

#33
1,2-Dichloroethane-d4
Concen: 46.693 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 65 Resp: 97685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 103.6 |

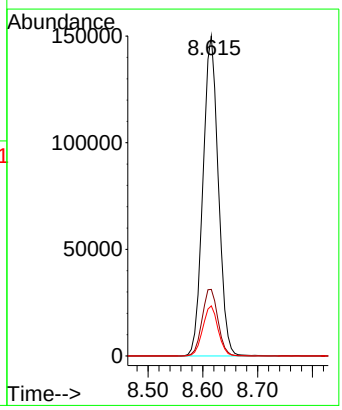


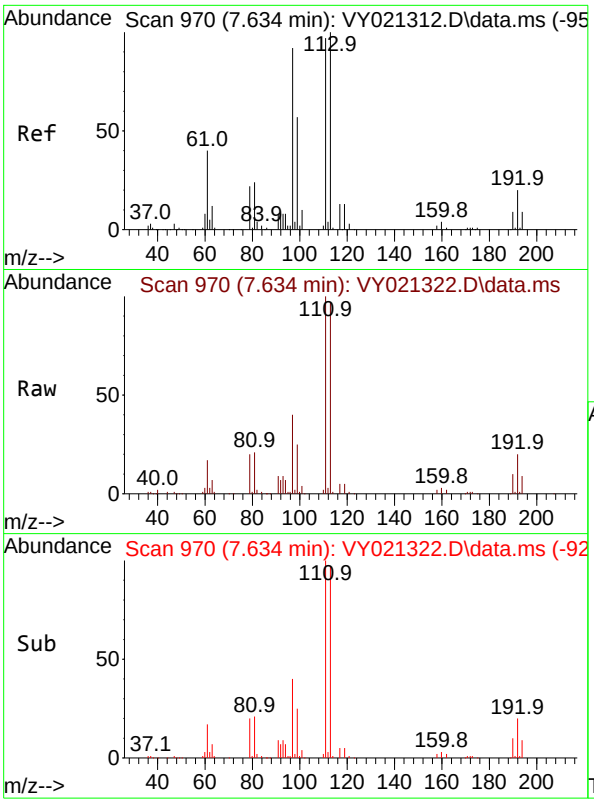




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:114 Resp: 291138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 42.2 |
| 88 | 15.6 | 0.0 | 29.8 |



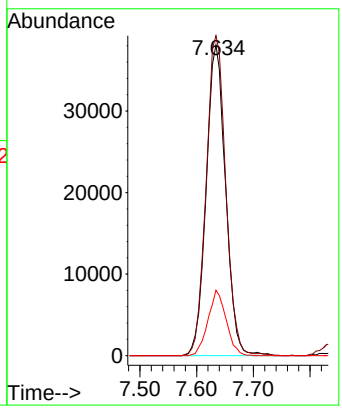


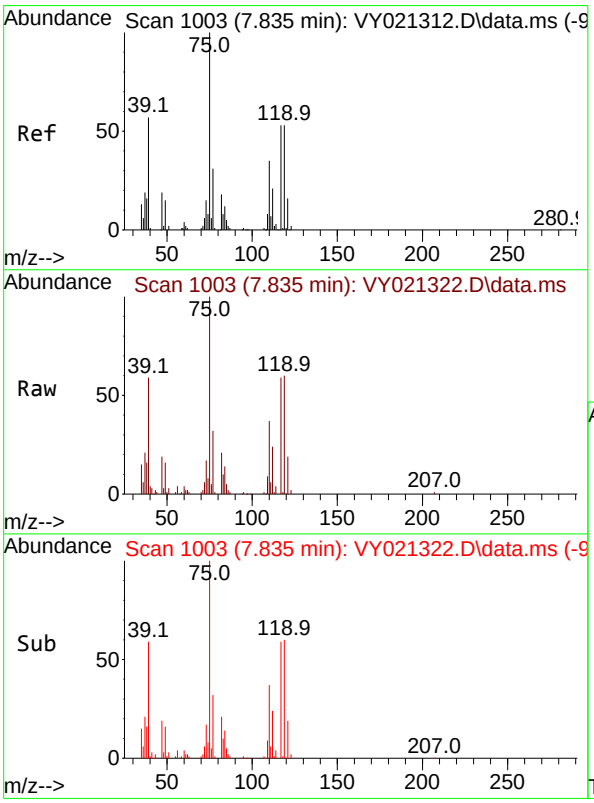

#35
Dibromofluoromethane
Concen: 47.410 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:113 Resp: 90492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.2 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |

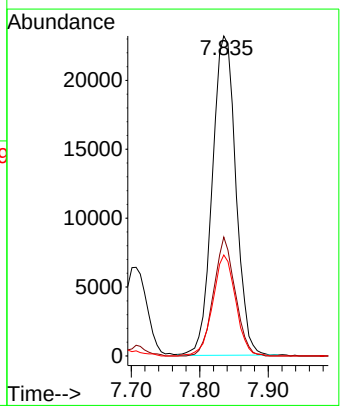


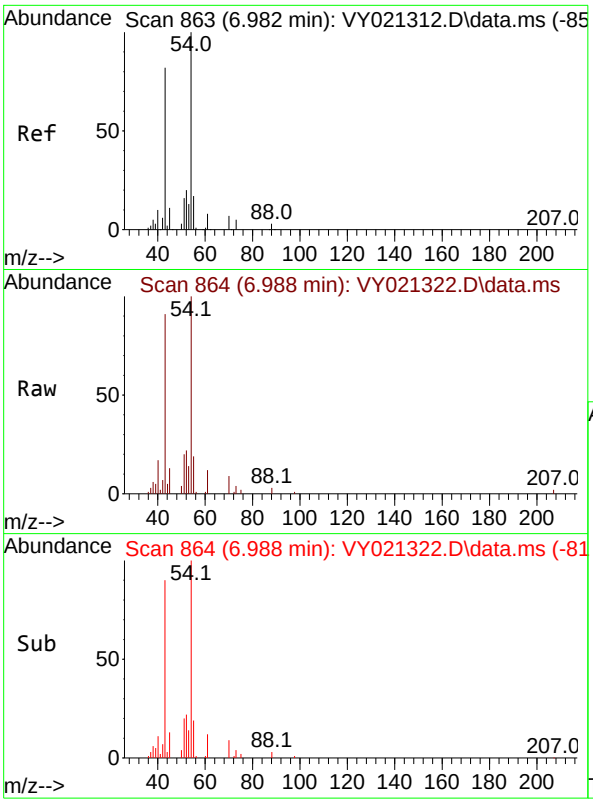




#36
1,1-Dichloropropene
Concen: 19.247 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 55184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 16.9 | 50.7 |
| 77 | 30.8 | 24.6 | 36.8 |



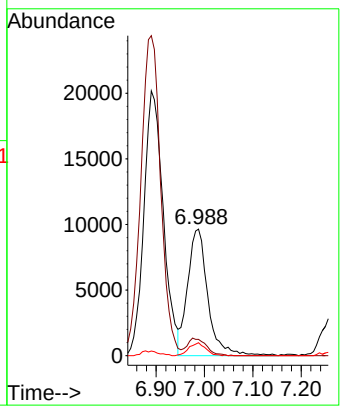


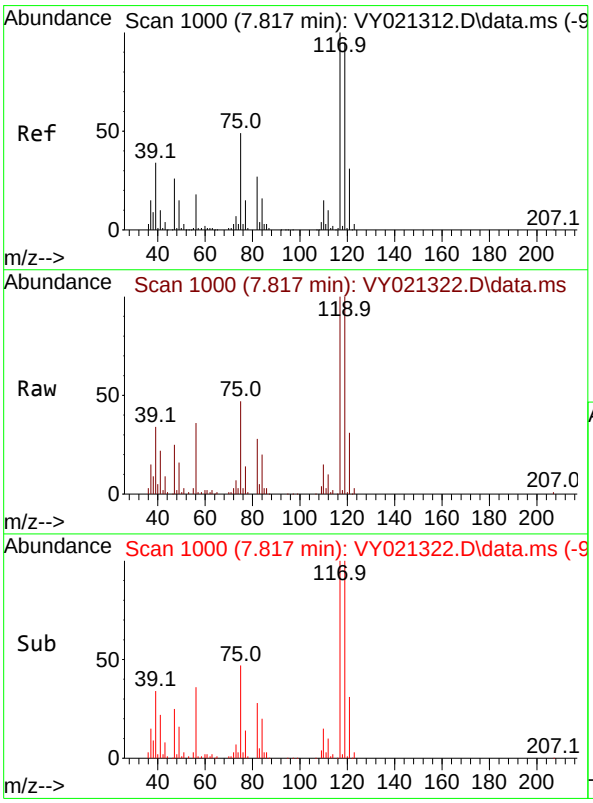

#37
Ethyl Acetate
Concen: 19.657 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 43 Resp: 28035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.1 | 10.4 | 15.6 |
| 70 | 8.5 | 7.5 | 11.3 |

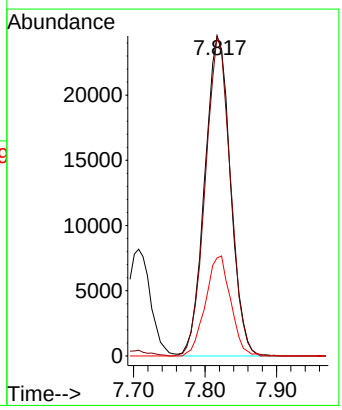


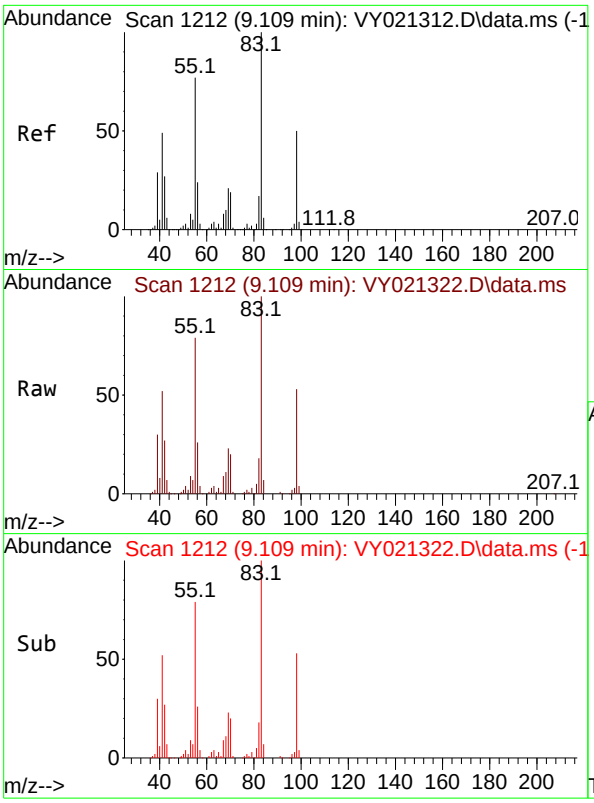




#38
Carbon Tetrachloride
Concen: 18.991 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 61214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 100.1 | 76.0 | 114.0 |
| 121 | 30.7 | 24.9 | 37.3 |



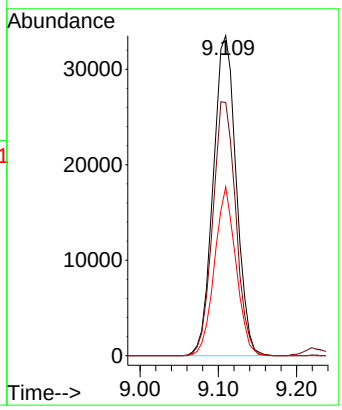


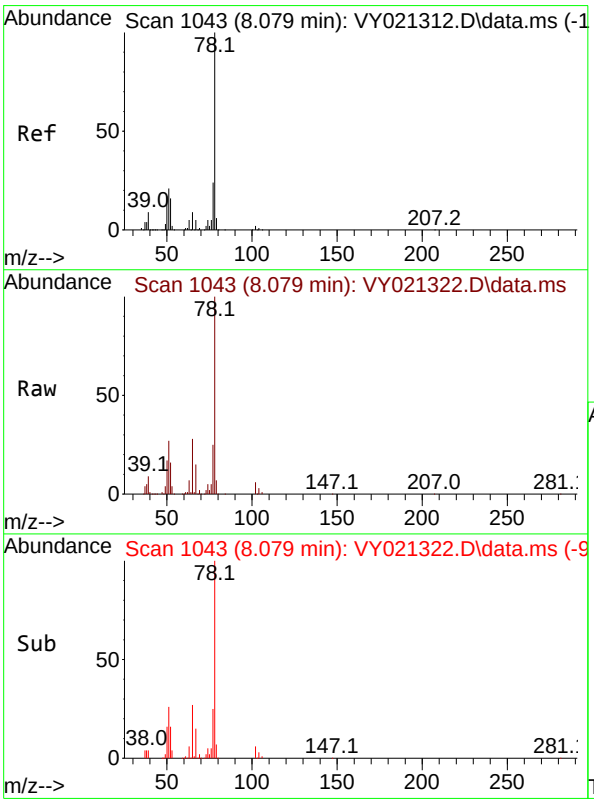

#39
Methylcyclohexane
Concen: 18.897 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 83 Resp: 68527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.1 | 61.3 | 91.9 |
| 98 | 52.7 | 39.9 | 59.9 |

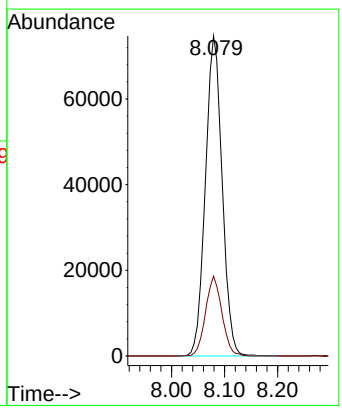


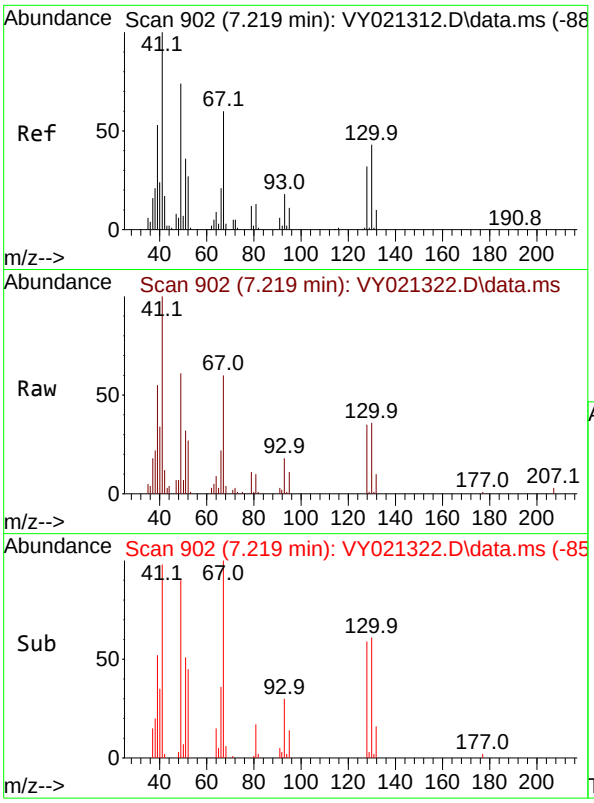




#40
Benzene
Concen: 19.308 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 78 Resp: 163641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.0 | 19.2 | 28.8 |



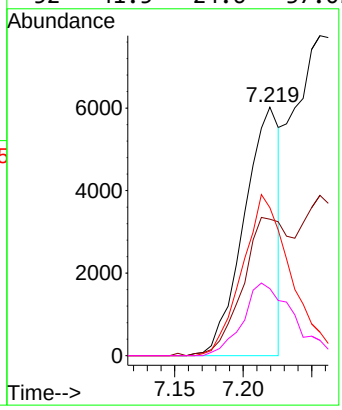


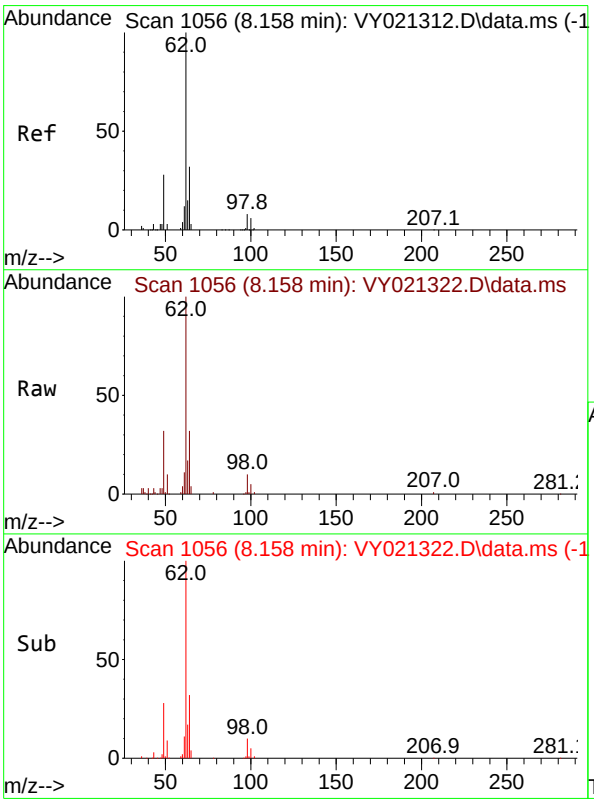

#41
Methacrylonitrile
Concen: 13.653 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 41 Resp: 10887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.0 | 42.3 | 63.5# |
| 67 | 88.9 | 54.8 | 82.2# |
| 52 | 41.5 | 24.6 | 37.0# |

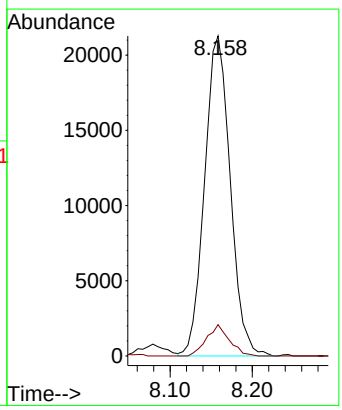


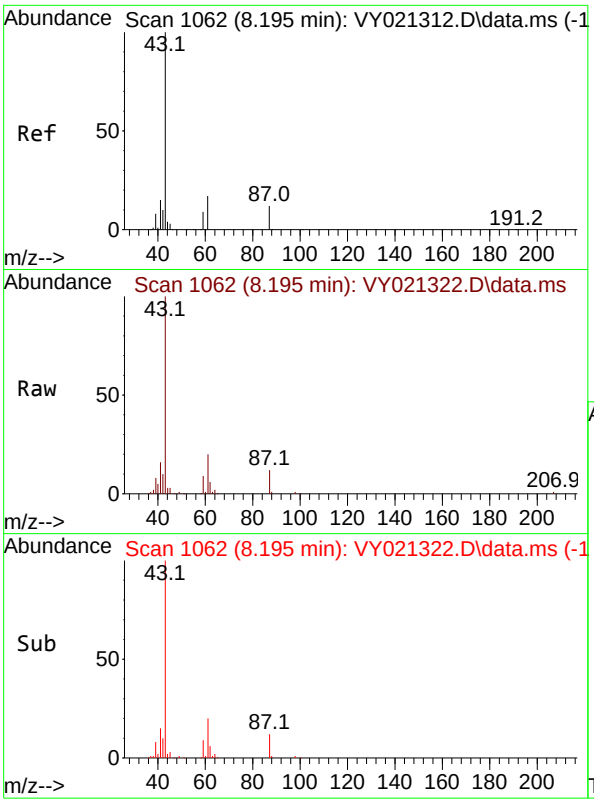




#42
1,2-Dichloroethane
Concen: 19.193 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 46152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 17.6 |



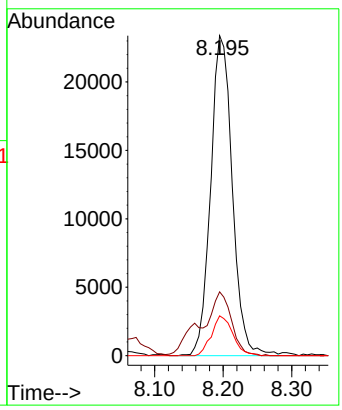


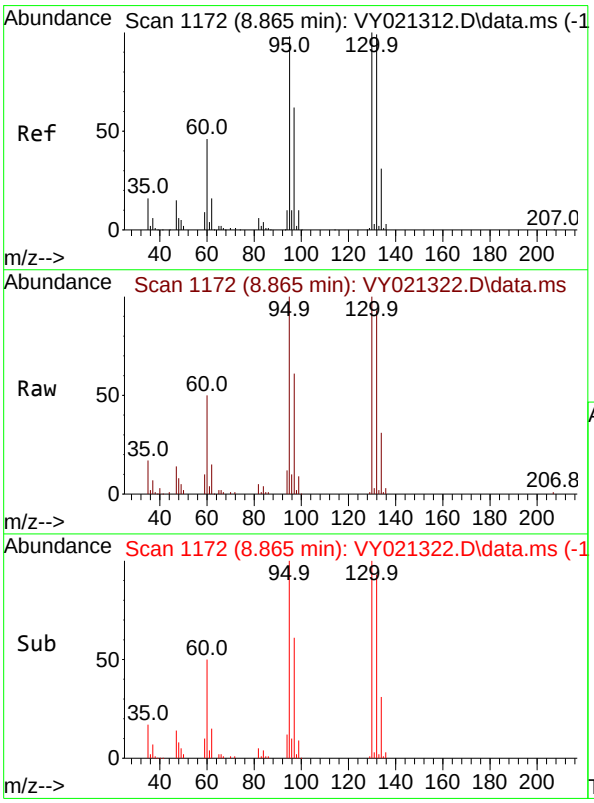

#43
Isopropyl Acetate
Concen: 18.626 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 43 Resp: 51417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.2 | 15.0 | 22.6 |
| 87 | 12.2 | 10.0 | 15.0 |

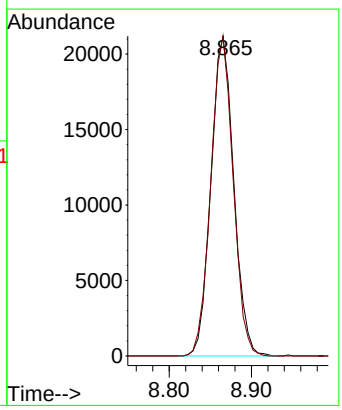


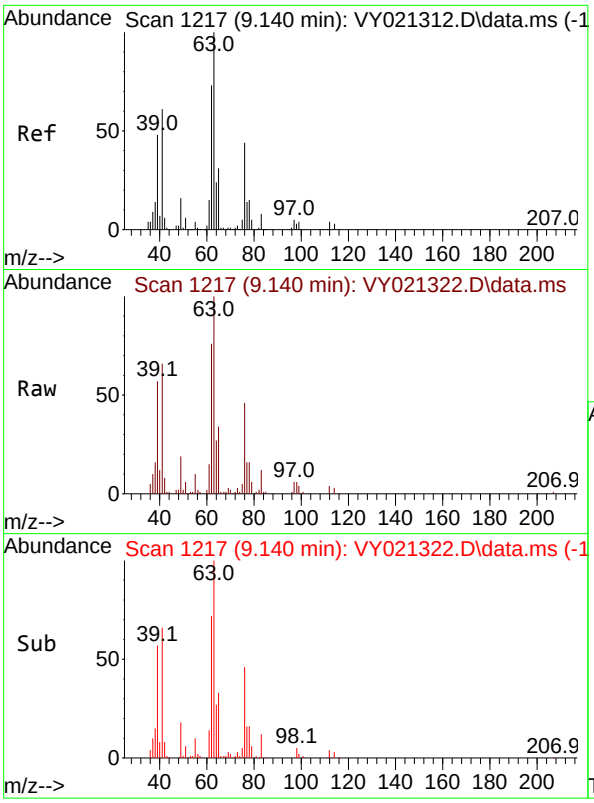




#44
Trichloroethene
Concen: 19.214 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:130 Resp: 40770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.3 | 0.0 | 196.0 |



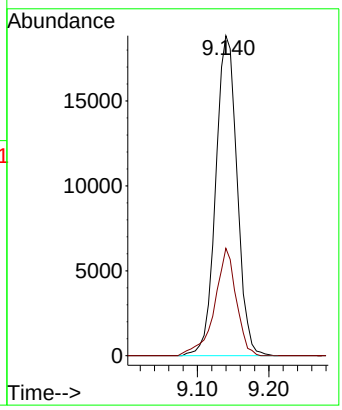


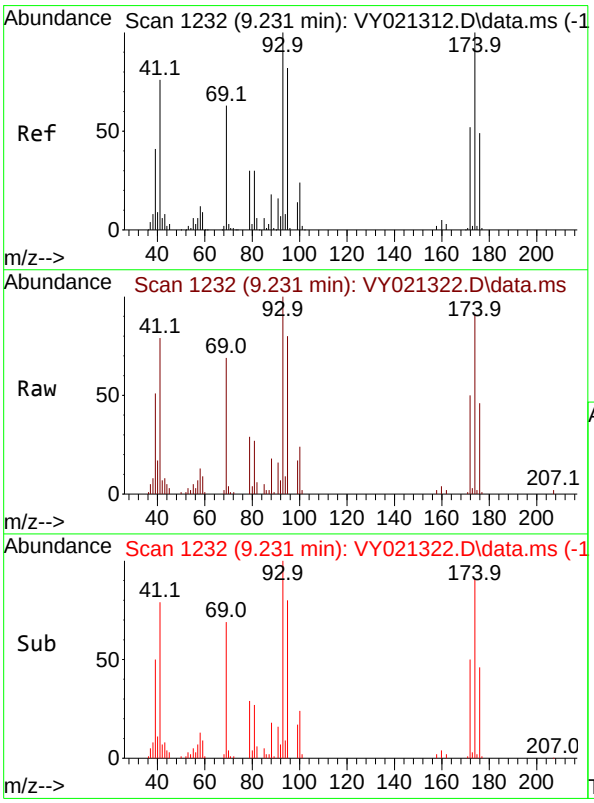

#45
1,2-Dichloropropane
Concen: 19.139 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 63 Resp: 39037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.5 | 24.6 | 36.8 |

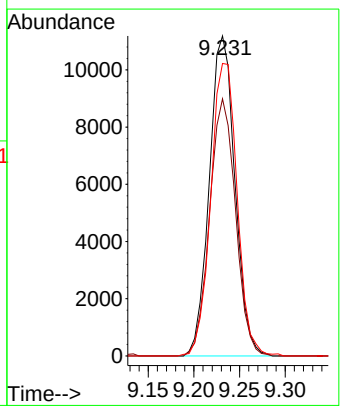


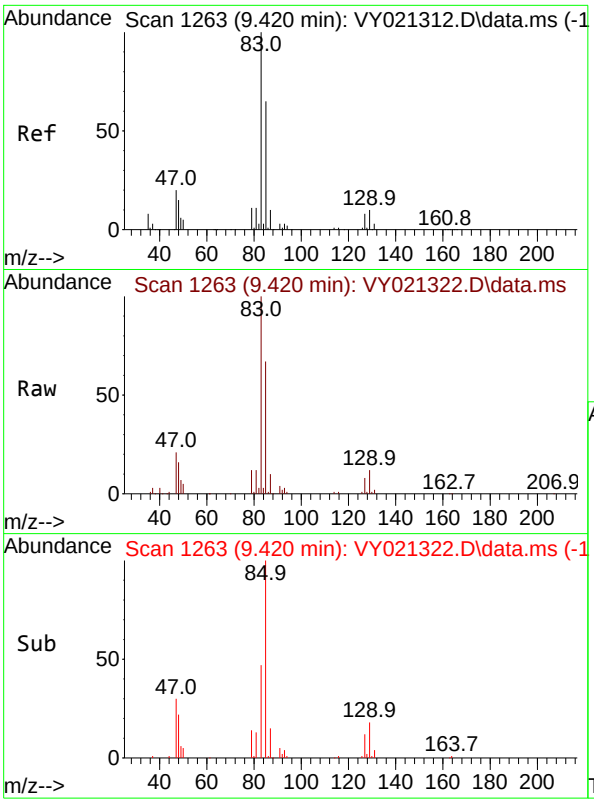




#46
Dibromomethane
Concen: 19.549 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 93 Resp: 21795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.2 | 66.4 | 99.6 |
| 174 | 94.2 | 78.2 | 117.2 |



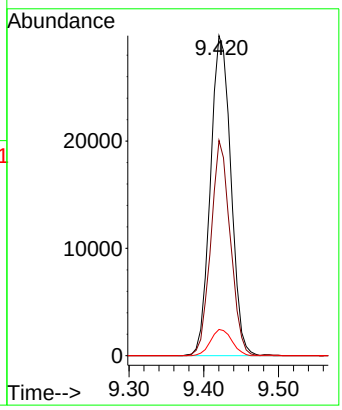


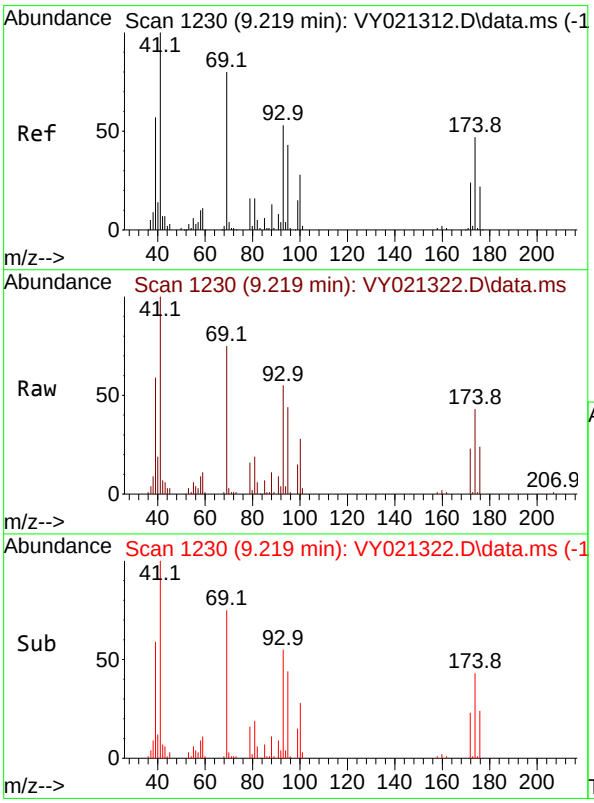

#47
Bromodichloromethane
Concen: 19.056 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 83 Resp: 56650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.3 | 51.8 | 77.8 |
| 127 | 8.2 | 6.7 | 10.1 |

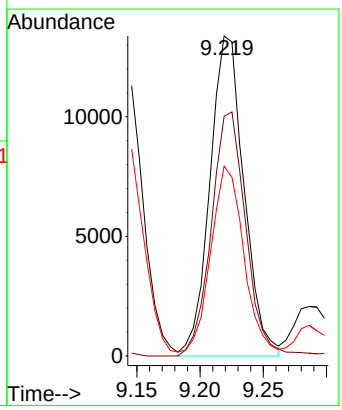


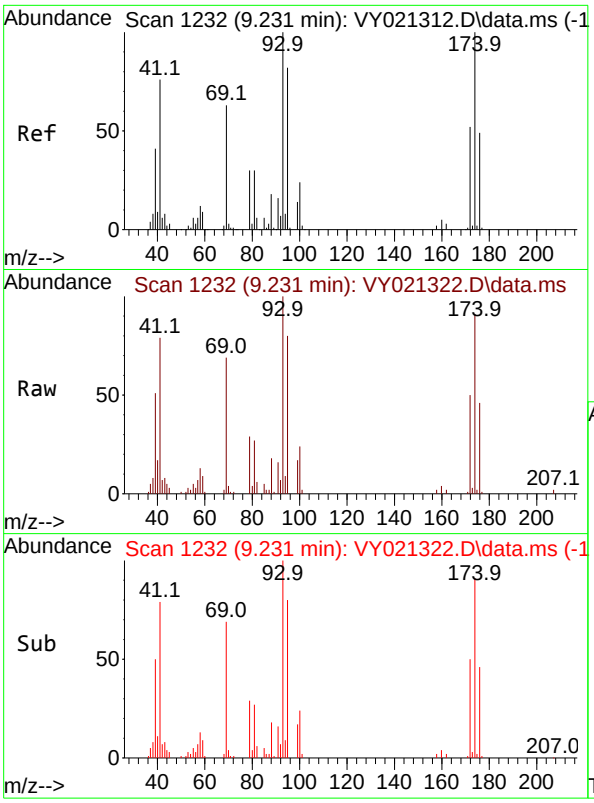




#48
Methyl methacrylate
Concen: 19.377 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 25014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.6 | 63.3 | 94.9 |
| 39 | 55.5 | 45.0 | 67.6 |



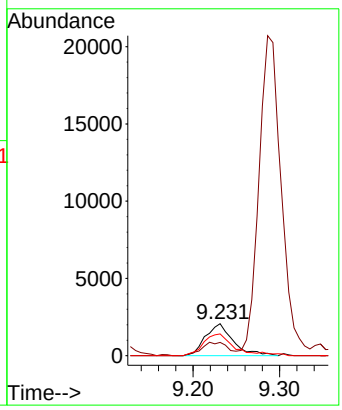


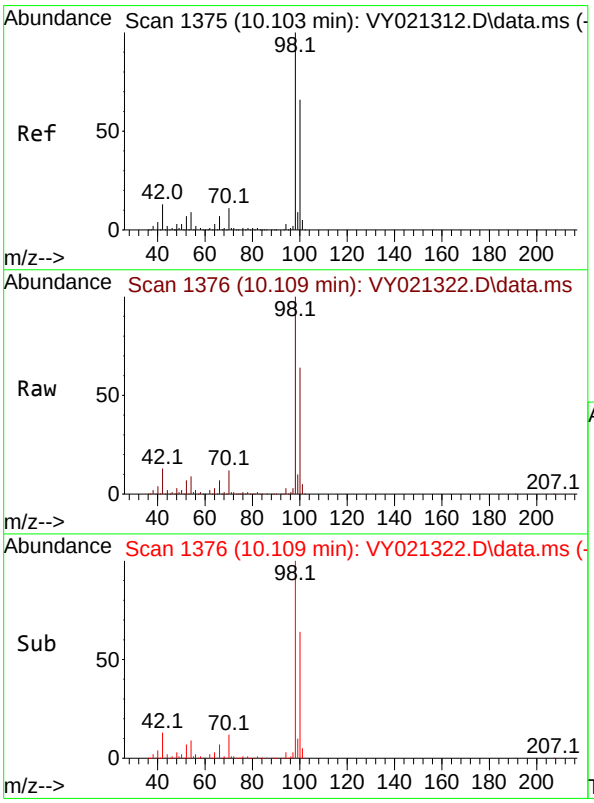

#49
1,4-Dioxane
Concen: 369.128 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 88 Resp: 4576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.2 | 34.8 | 52.2 |
| 58 | 76.9 | 59.8 | 89.6 |

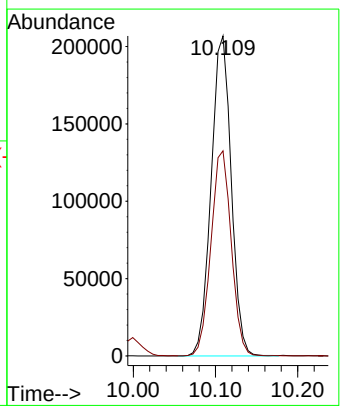


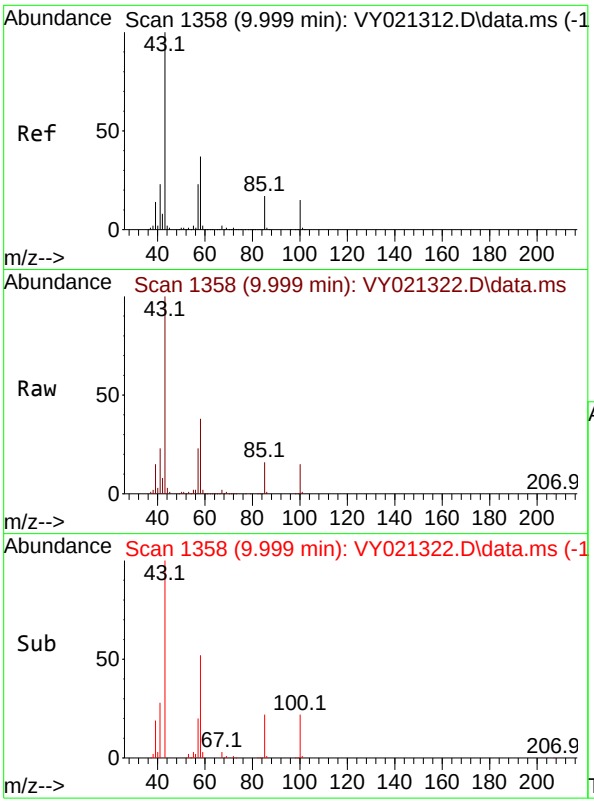




#50
Toluene-d8
Concen: 47.609 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 98 Resp: 351200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 52.4 | 78.6 |



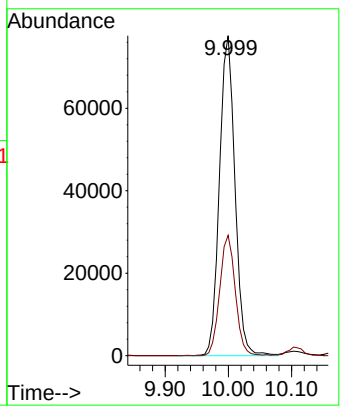


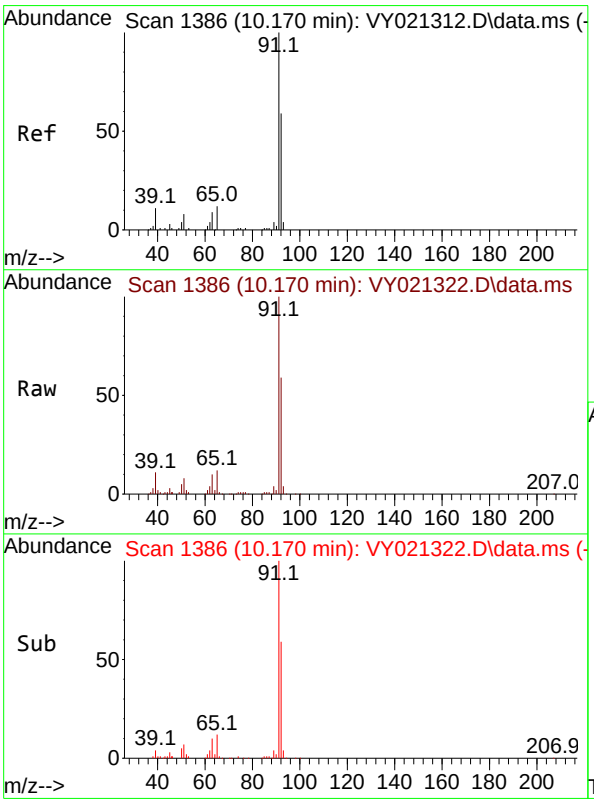

#51
4-Methyl-2-Pentanone
Concen: 93.298 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 43 Resp: 131838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.1 | 45.1 |

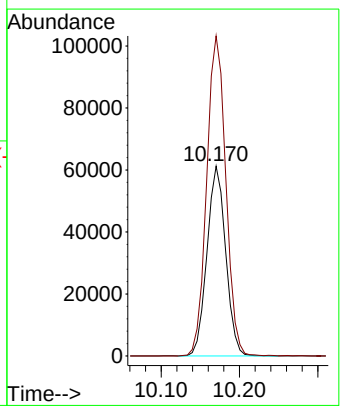


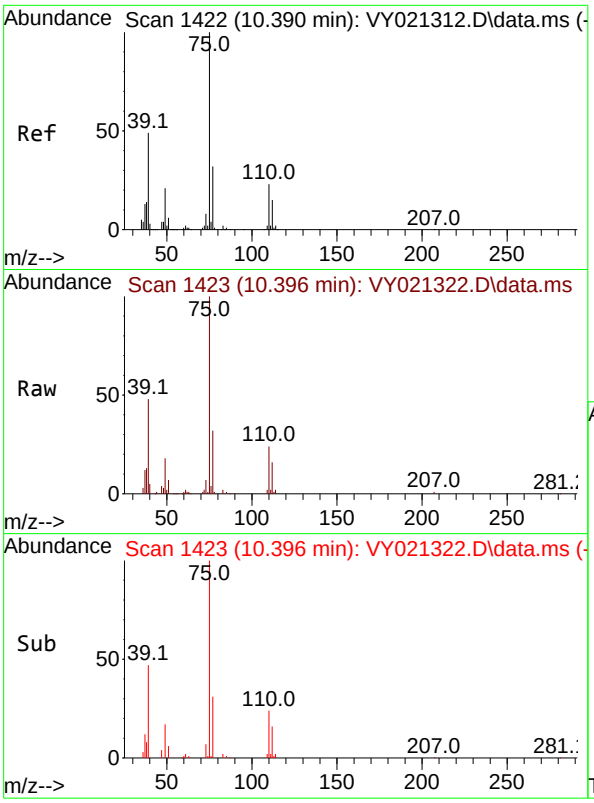




#52
Toluene
Concen: 19.255 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 92 Resp: 101381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.7 | 137.8 | 206.8 |



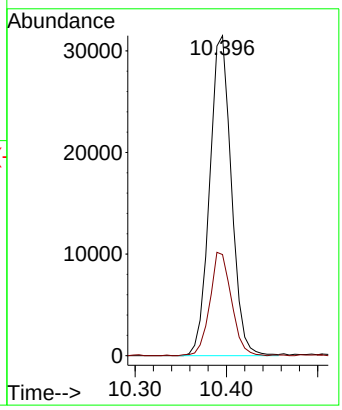


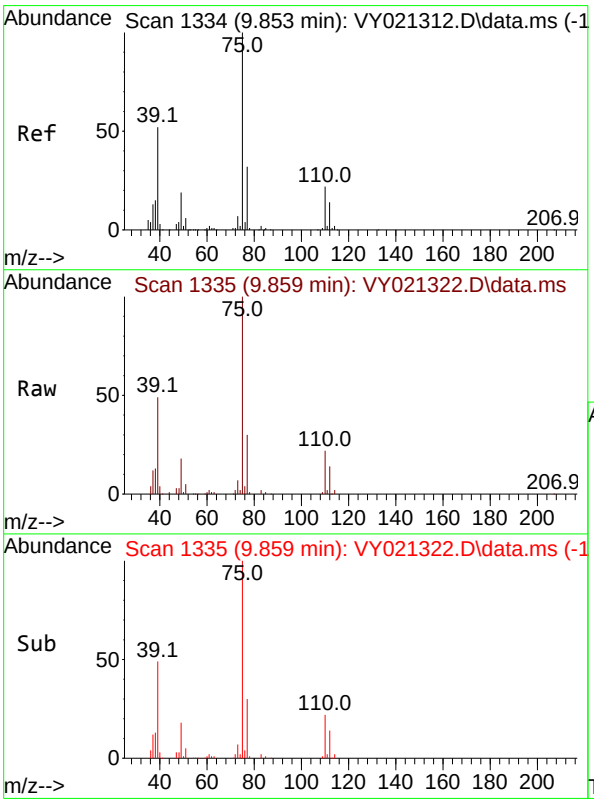

#53
t-1,3-Dichloropropene
Concen: 19.034 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 75 Resp: 51842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.3 | 37.9 |

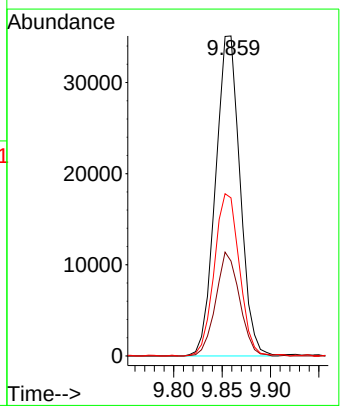


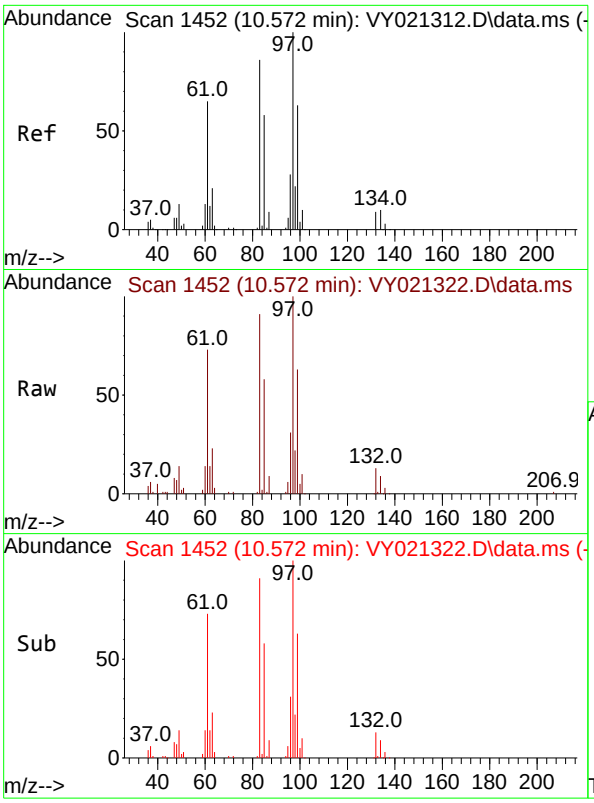




#54
cis-1,3-Dichloropropene
Concen: 19.278 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 61986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.7 | 25.7 | 38.5 |
| 39 | 49.4 | 41.8 | 62.6 |



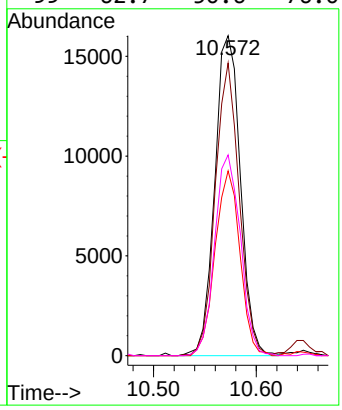


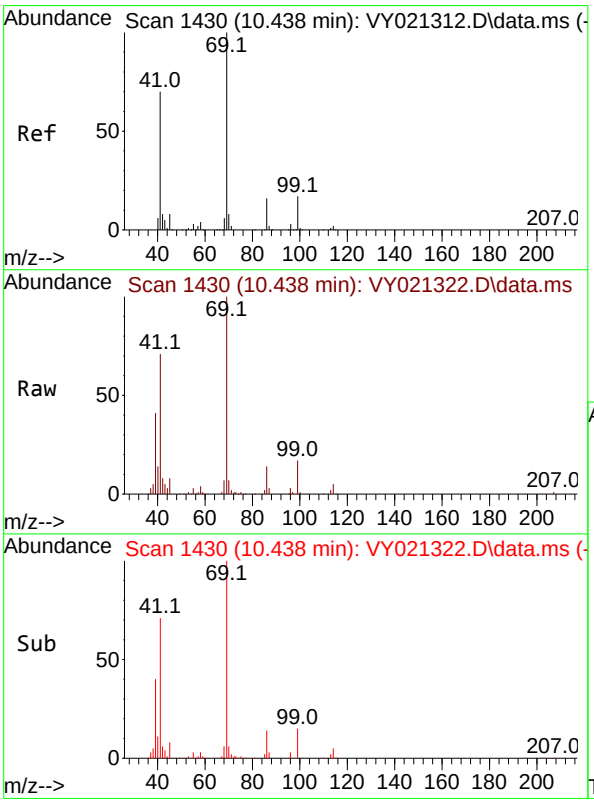

#55
1,1,2-Trichloroethane
Concen: 19.099 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 97 Resp: 27740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 91.5 | 68.7 | 103.1 |
| 85 | 57.8 | 46.3 | 69.5 |
| 99 | 62.7 | 50.6 | 76.0 |

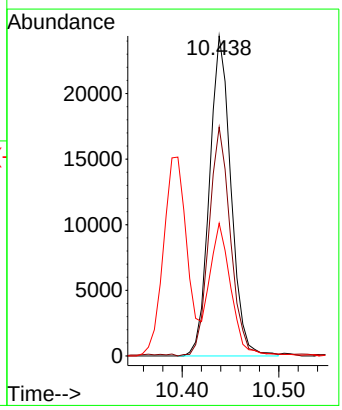


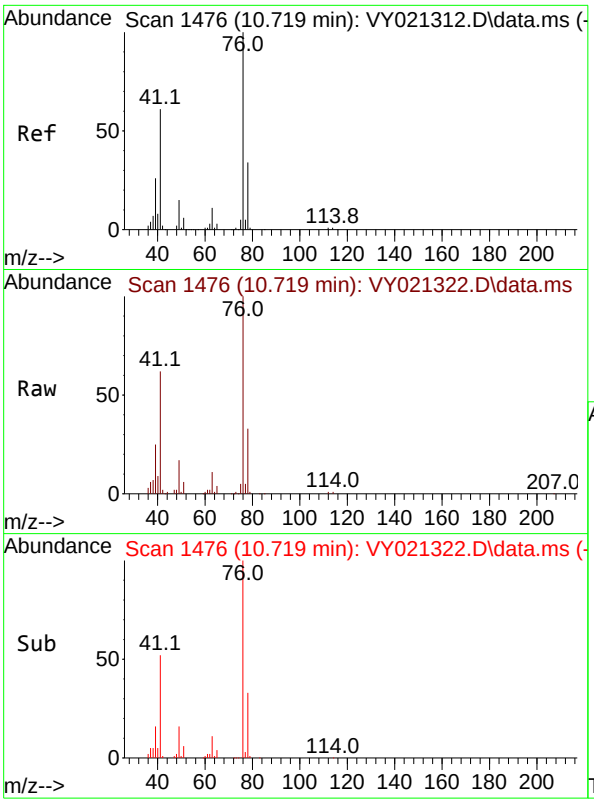




#56
Ethyl methacrylate
Concen: 18.751 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 69 Resp: 37632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 72.0 | 56.2 | 84.4 |
| 39 | 40.8 | 32.7 | 49.1 |



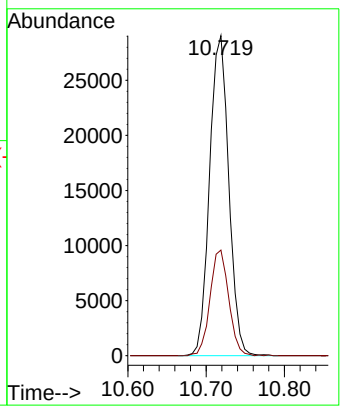


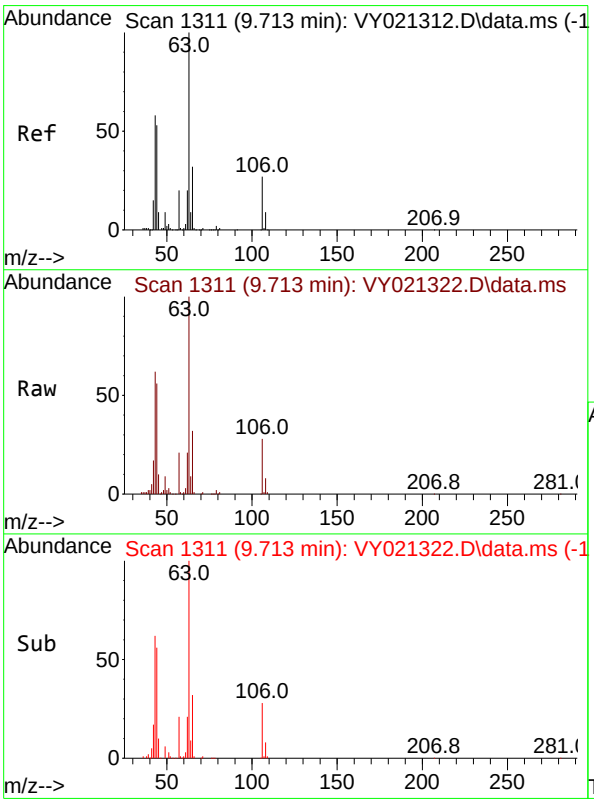

#57
1,3-Dichloropropane
Concen: 19.380 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 76 Resp: 49393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 25.9 | 38.9 |

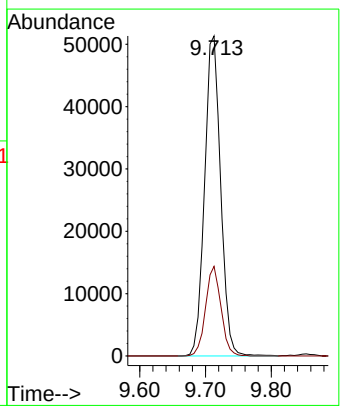


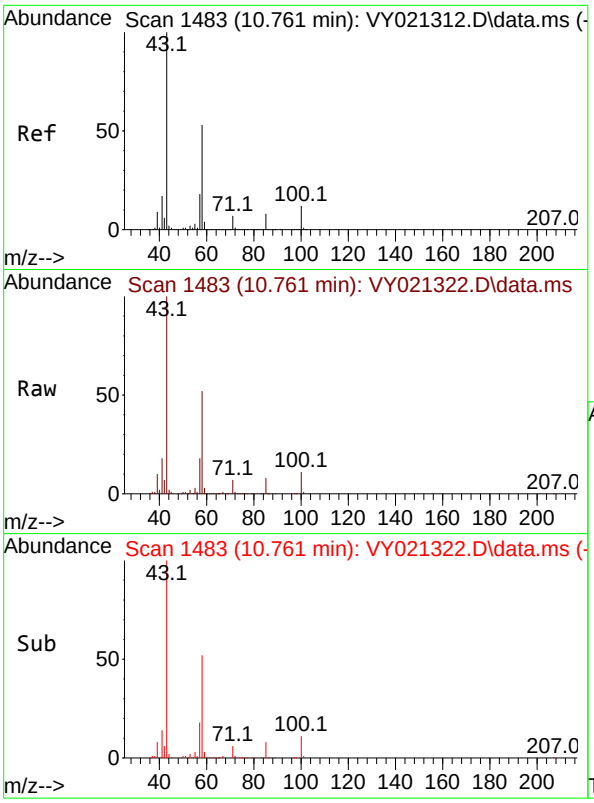




#58
2-Chloroethyl Vinyl ether
Concen: 90.414 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 87093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.9 | 21.7 | 32.5 |



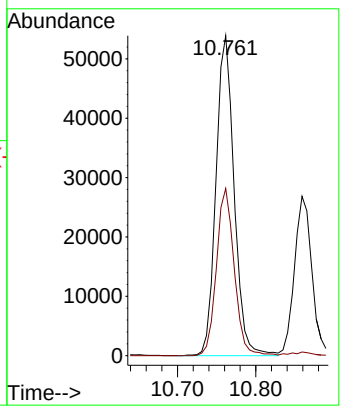


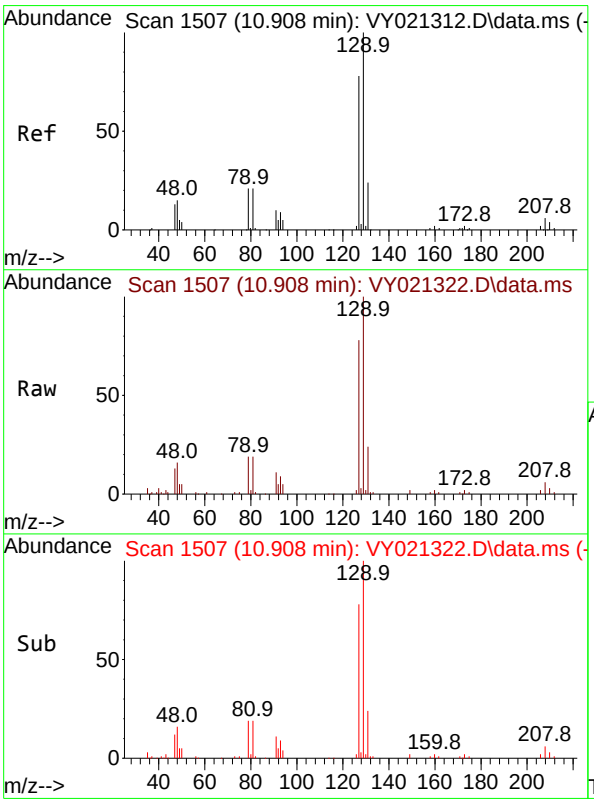

#59
2-Hexanone
Concen: 93.755 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 43 Resp: 87008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.2 | 25.9 | 77.6 |

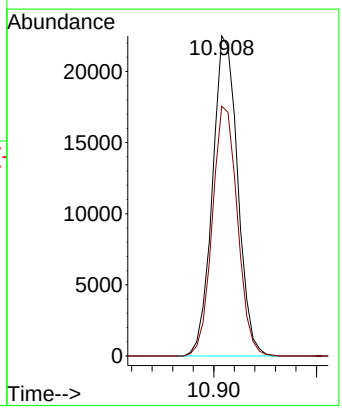


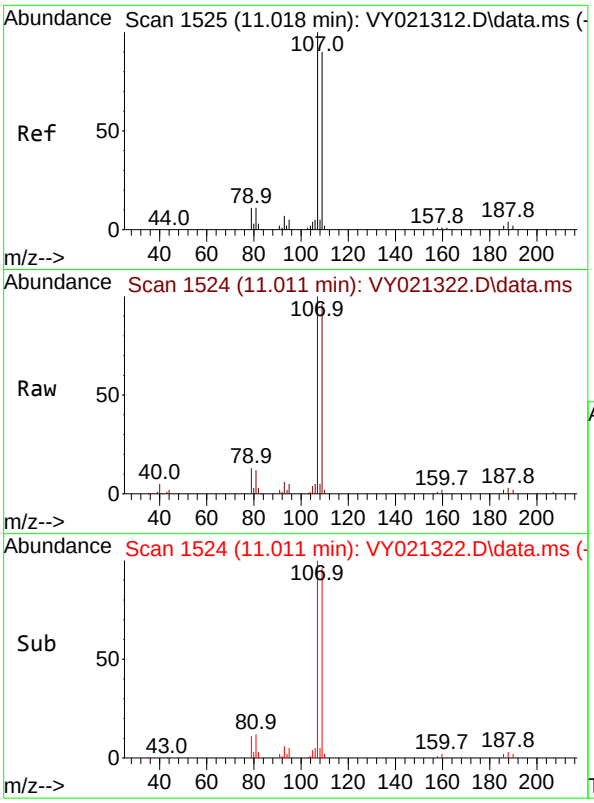




#60
Dibromochloromethane
Concen: 19.318 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:129 Resp: 38212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 38.8 | 116.4 |



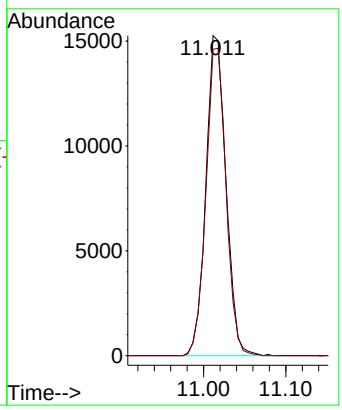


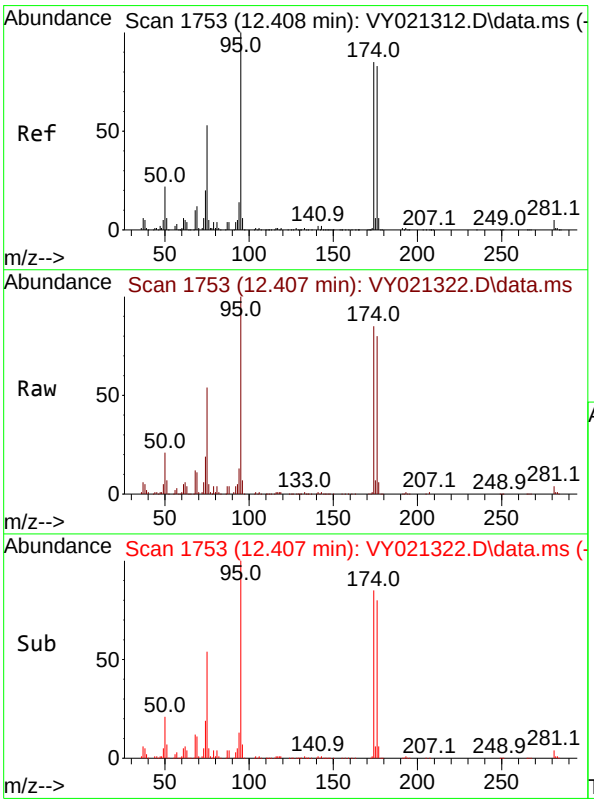

#61
1,2-Dibromoethane
Concen: 18.799 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:107 Resp: 25849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.2 | 73.8 | 110.8 |

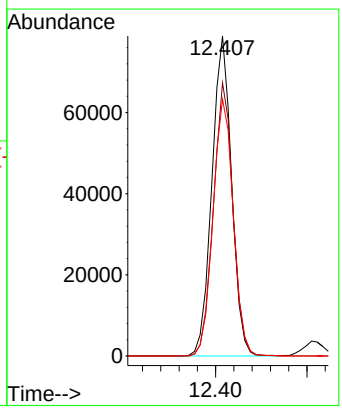


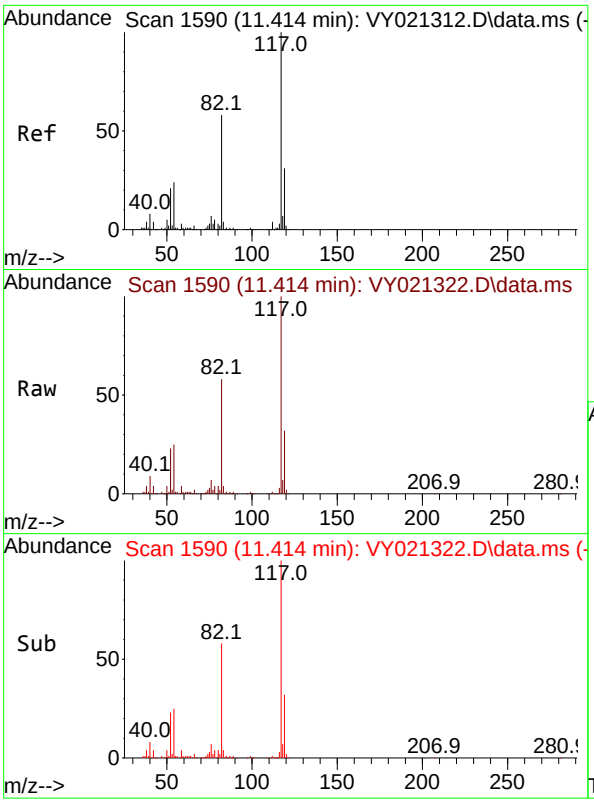




#62
4-Bromofluorobenzene
Concen: 47.291 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 95 Resp: 117404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.1 | 0.0 | 168.0 |
| 176 | 82.9 | 0.0 | 162.6 |



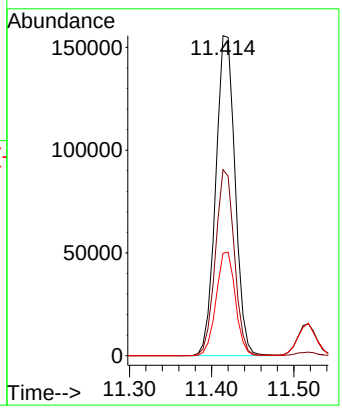


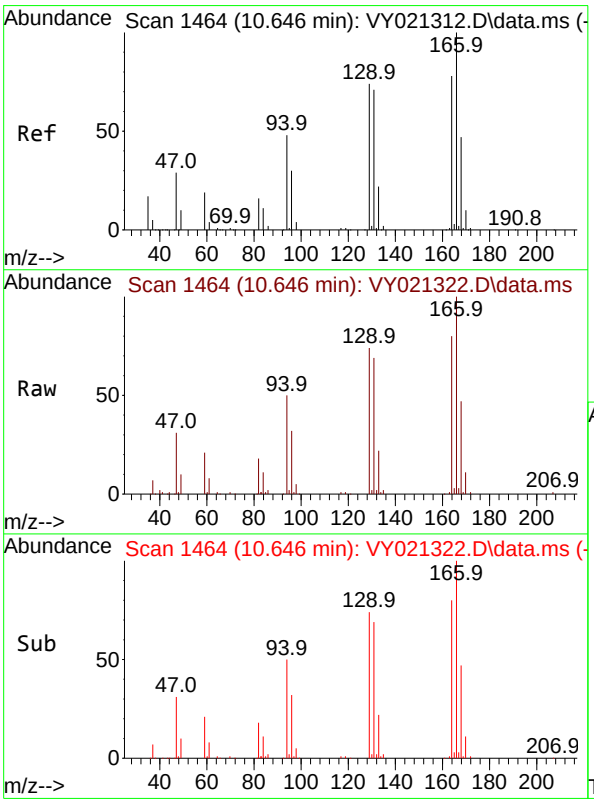

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:117 Resp: 254891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.2 | 46.2 | 69.4 |
| 119 | 32.0 | 24.9 | 37.3 |

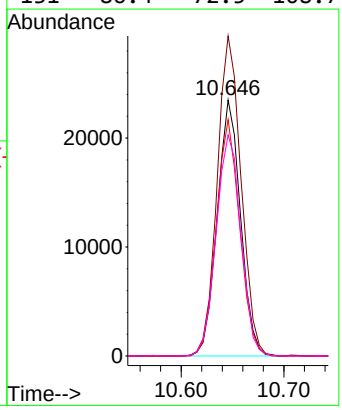


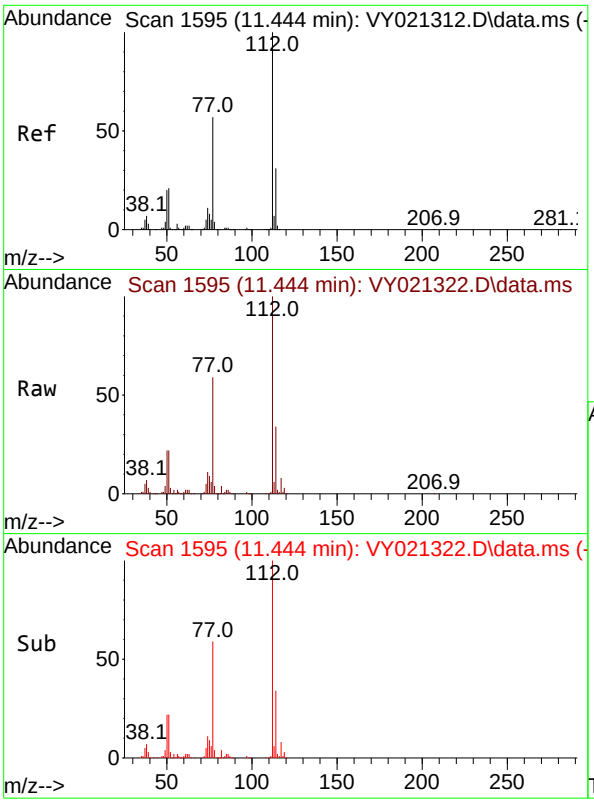




#64
Tetrachloroethene
Concen: 19.197 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:164 Resp: 36984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.0 | 101.9 | 152.9 |
| 129 | 92.3 | 75.5 | 113.3 |
| 131 | 86.4 | 72.5 | 108.7 |



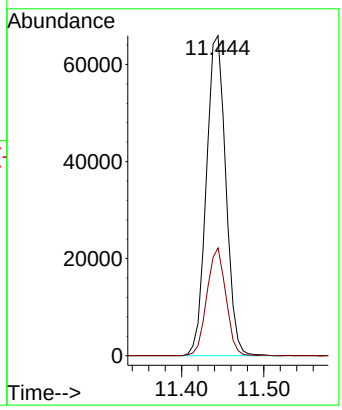


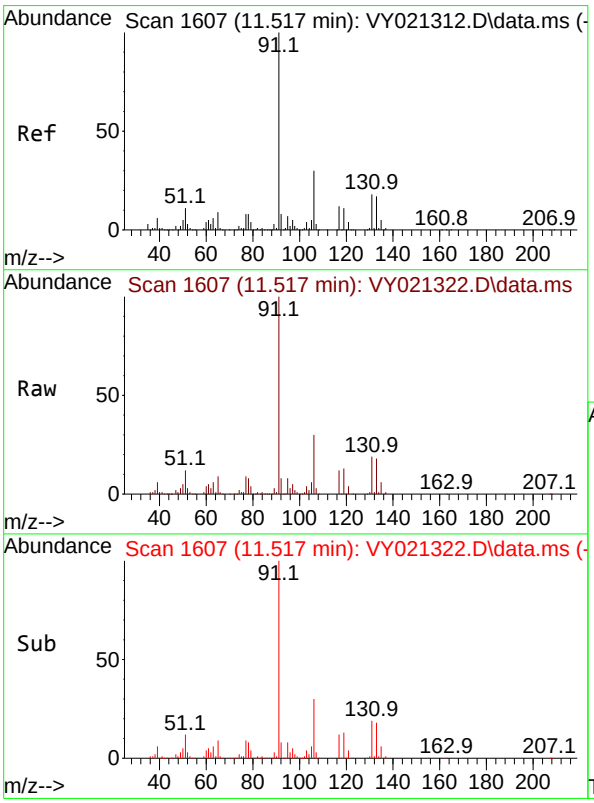

#65
Chlorobenzene
Concen: 18.977 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:112 Resp: 108578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.7 | 25.0 | 37.6 |

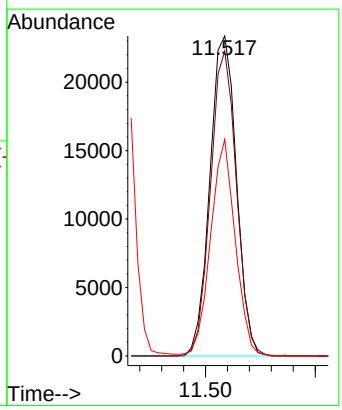


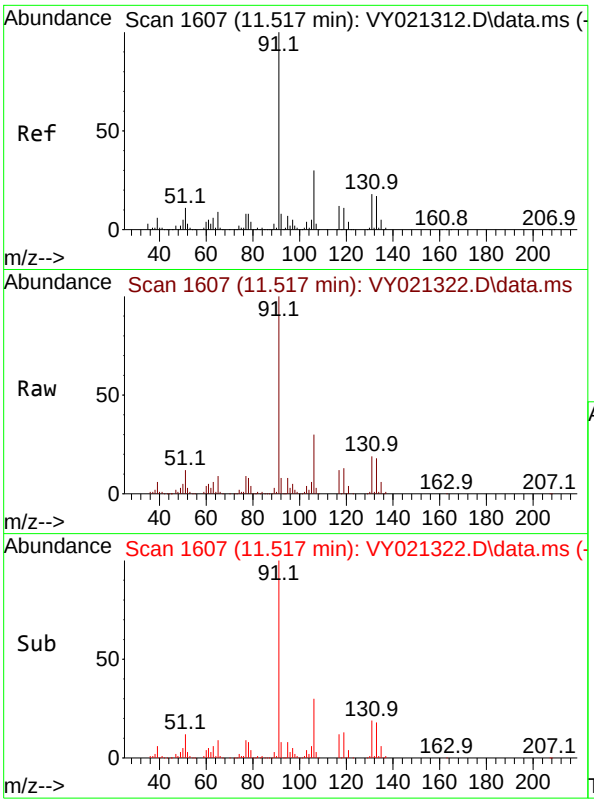




#66
1,1,1,2-Tetrachloroethane
Concen: 19.617 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:131 Resp: 39302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.3 | 47.9 | 143.6 |
| 119 | 63.0 | 31.7 | 95.1 |



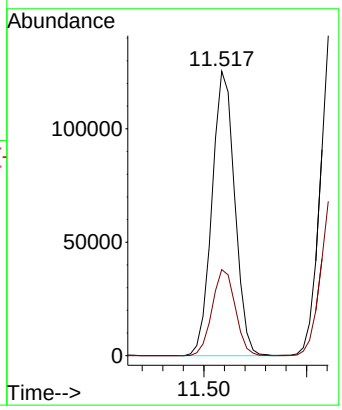


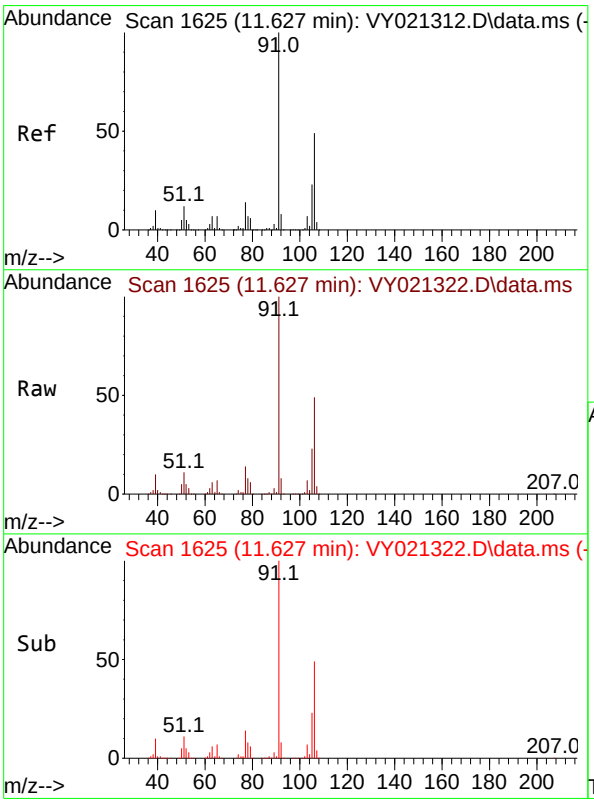

#67
Ethyl Benzene
Concen: 19.003 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 91 Resp: 192592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 24.4 | 36.6 |

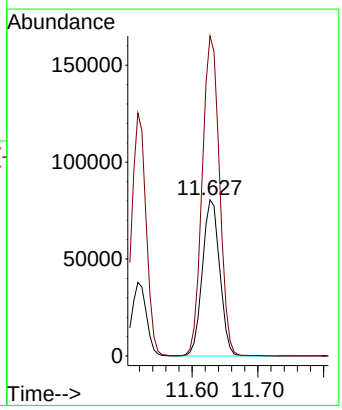


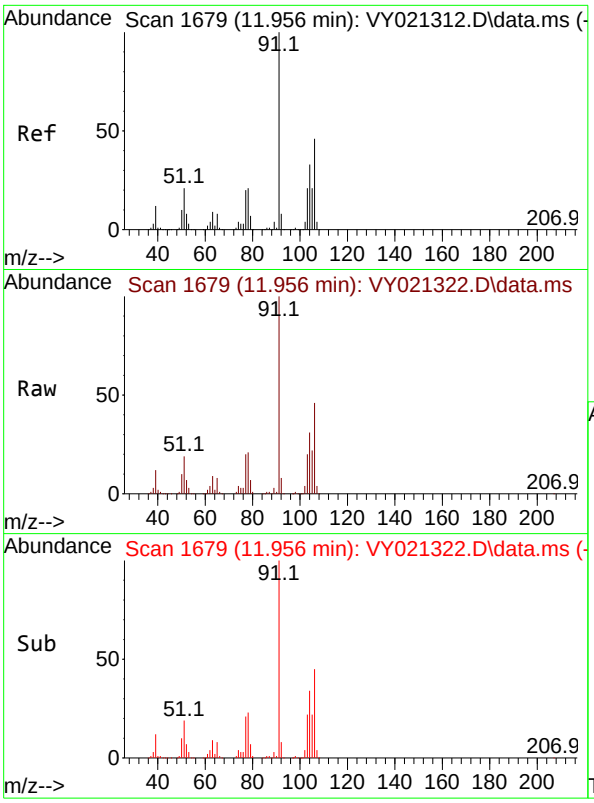




#68
m/p-Xylenes
Concen: 38.806 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:106 Resp: 147929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.3 | 163.9 | 245.9 |



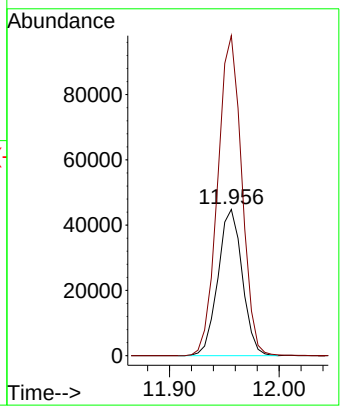


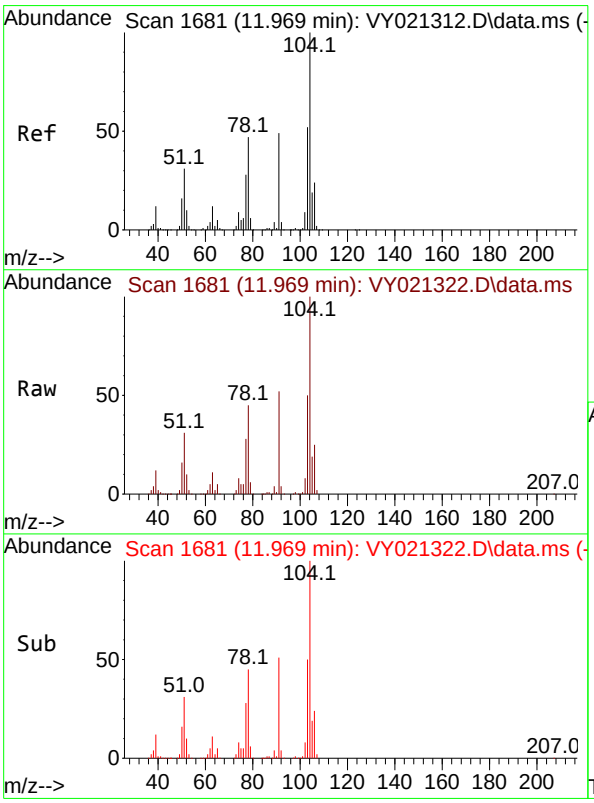

#69
o-Xylene
Concen: 19.342 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:106 Resp: 69071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.1 | 108.1 | 324.2 |

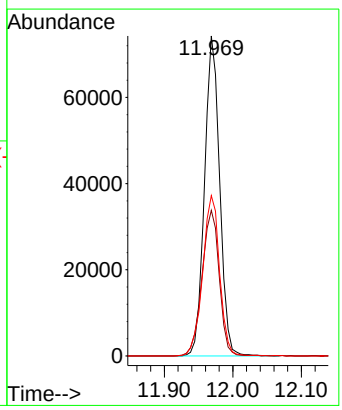


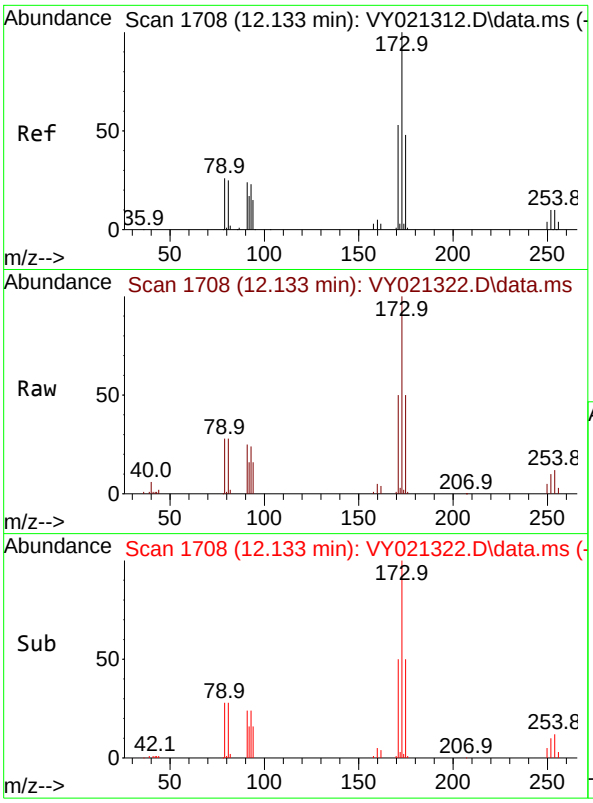




#70
Styrene
Concen: 19.262 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:104 Resp: 114447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.6 | 41.3 | 61.9 |
| 103 | 55.8 | 43.9 | 65.9 |



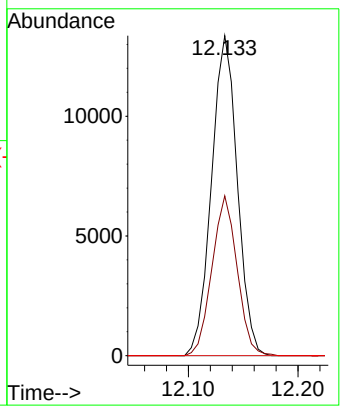


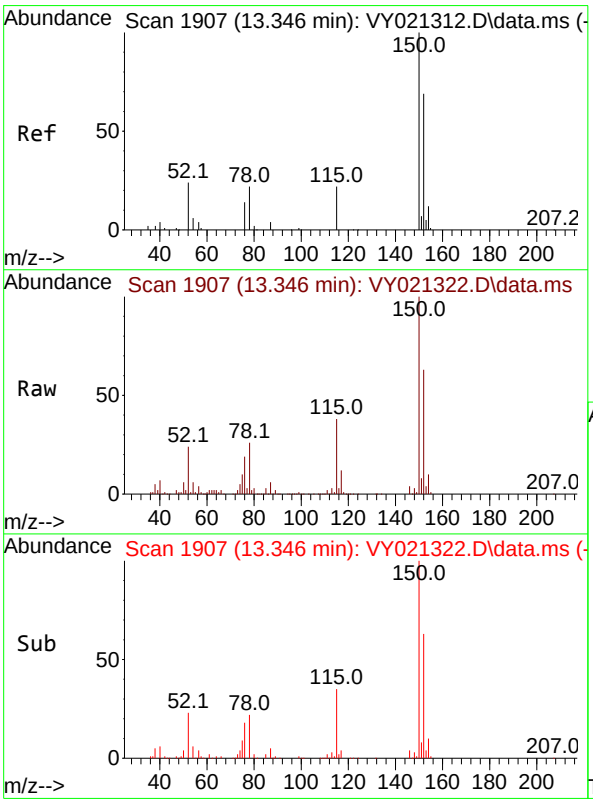

#71
Bromoform
Concen: 19.083 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:173 Resp: 21872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.7 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1# |

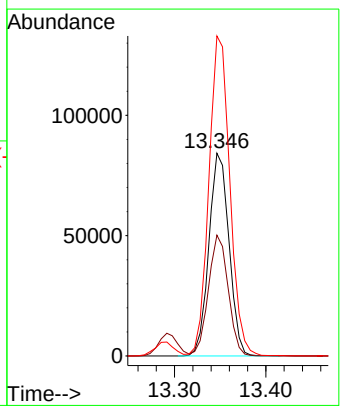


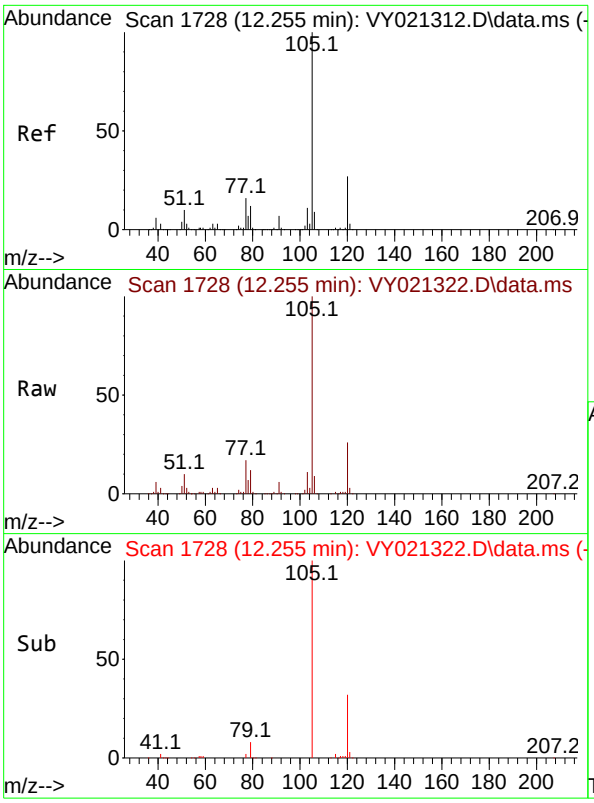




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:152 Resp: 128725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.3 | 29.3 | 88.0 |
| 150 | 164.6 | 0.0 | 347.4 |



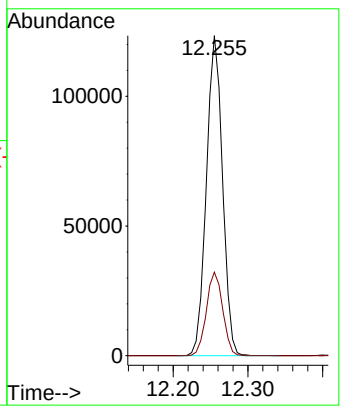


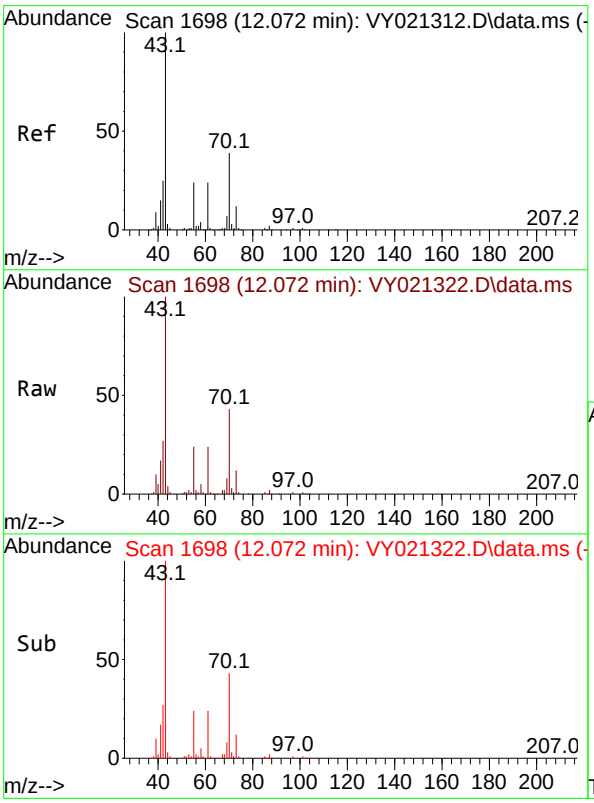

#73
Isopropylbenzene
Concen: 19.058 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:105 Resp: 184435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.3 | 39.8 |

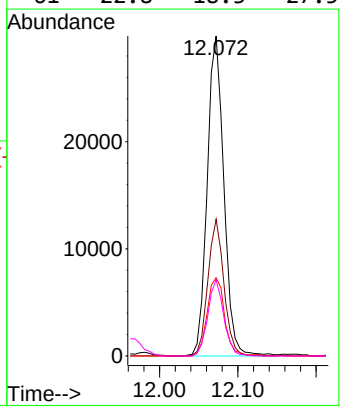


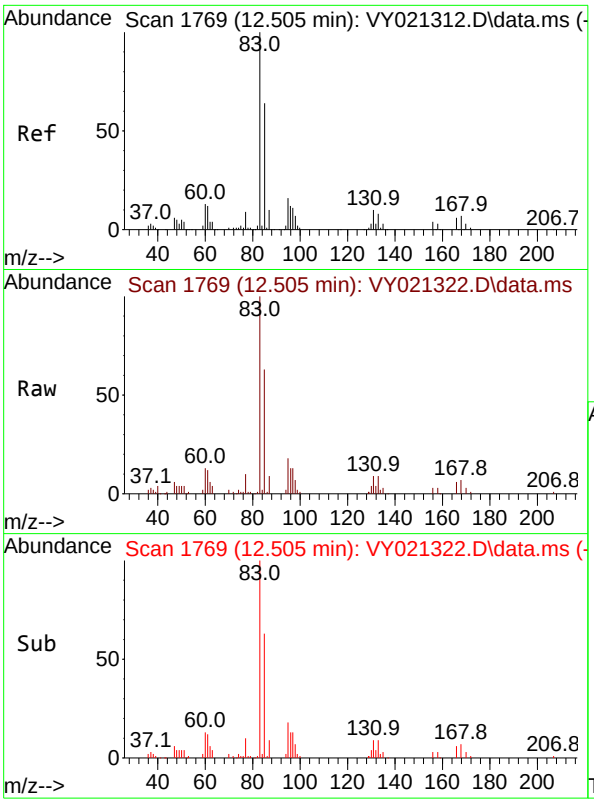




#74
N-amyl acetate
Concen: 17.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 44104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.1 | 32.2 | 48.2 |
| 55 | 25.5 | 19.6 | 29.4 |
| 61 | 22.8 | 18.3 | 27.5 |



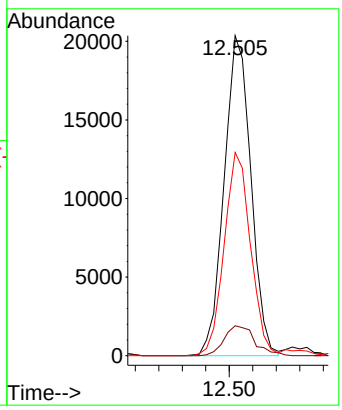


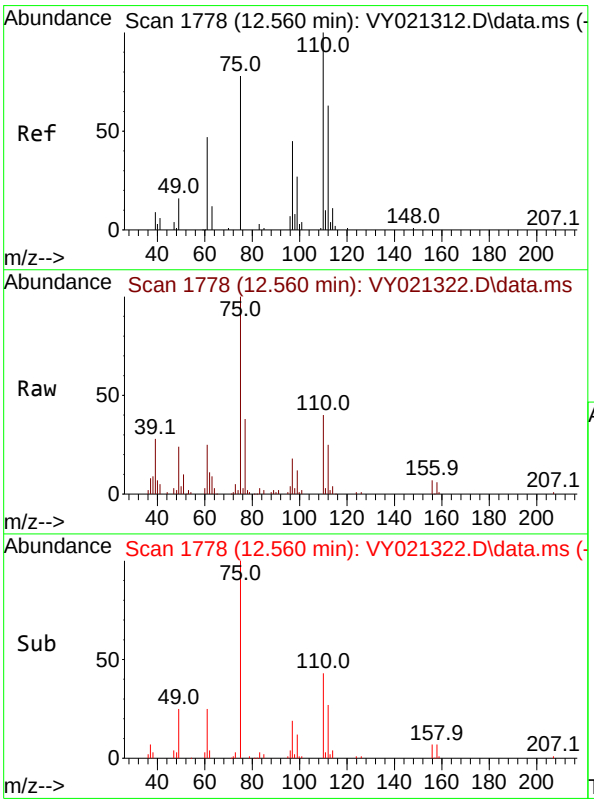

#75
1,1,2,2-Tetrachloroethane
Concen: 18.835 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 83 Resp: 32169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.7 | 5.2 | 15.6 |
| 85 | 62.6 | 32.0 | 96.0 |

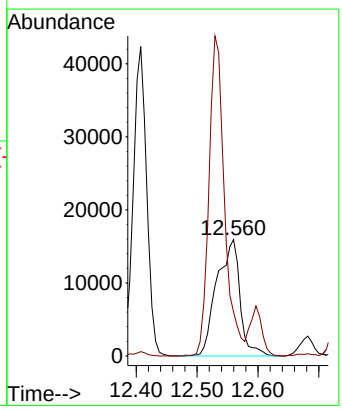


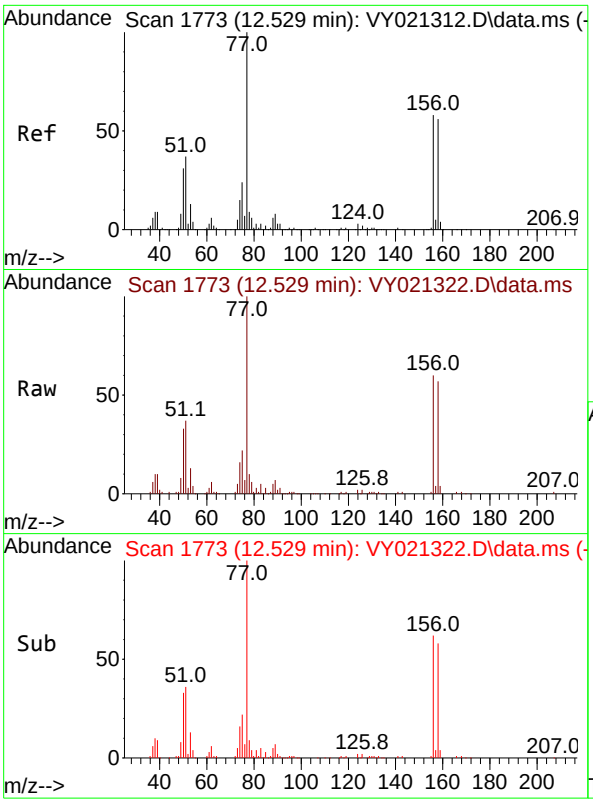




#76
1,2,3-Trichloropropane
Concen: 32.661 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 42083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



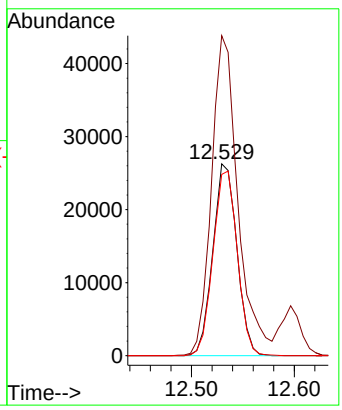


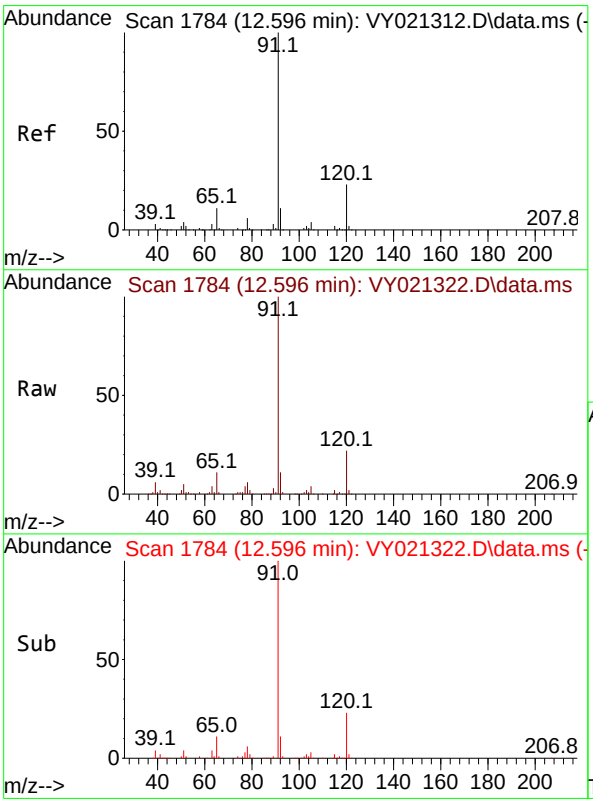

#77
Bromobenzene
Concen: 18.925 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:156 Resp: 42599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 183.3 | 94.0 | 282.1 |
| 158 | 97.3 | 48.7 | 146.1 |

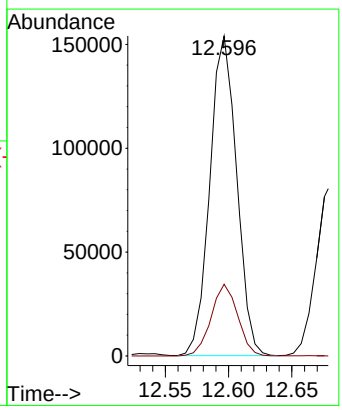


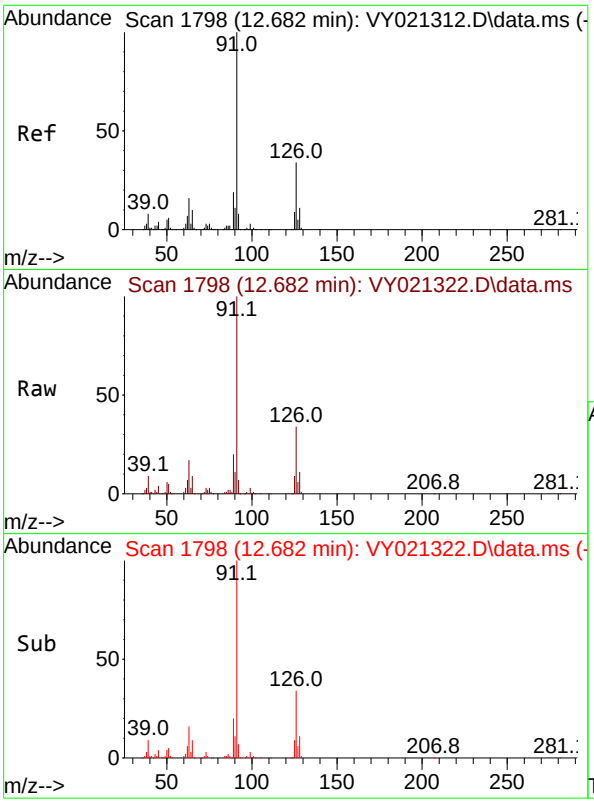




#78
n-propylbenzene
Concen: 19.317 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 226845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.2 | 33.5 |



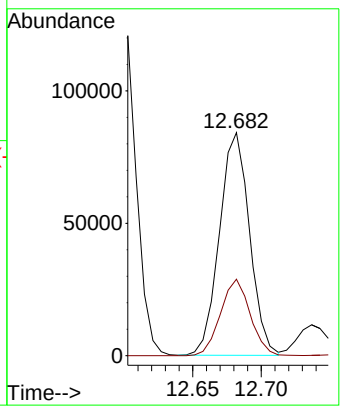


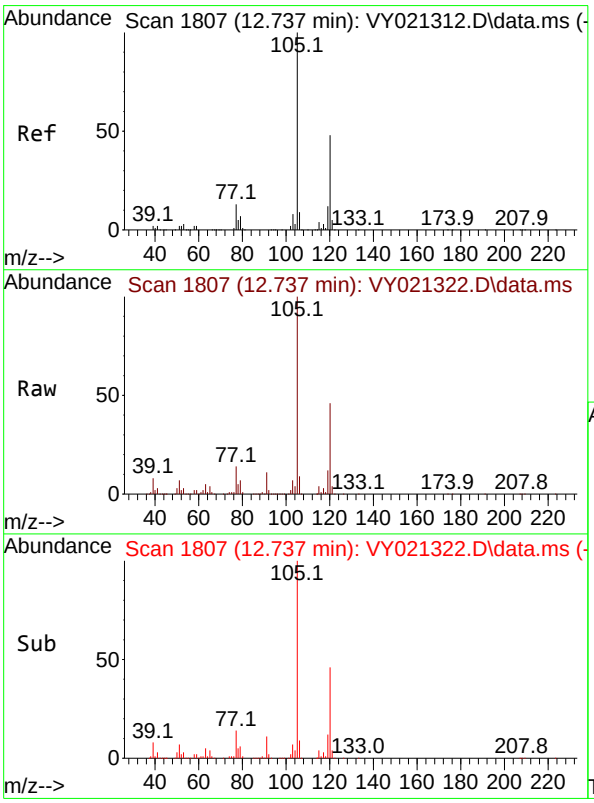

#79
2-Chlorotoluene
Concen: 19.070 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 91 Resp: 128526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.9 | 16.9 | 50.6 |

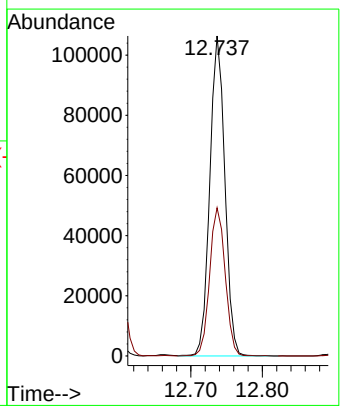


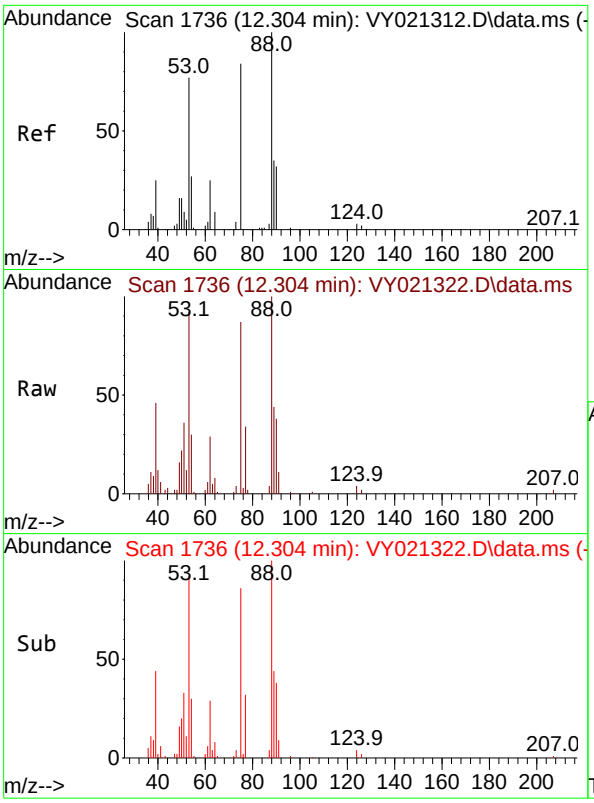




#80
1,3,5-Trimethylbenzene
Concen: 19.582 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 155422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 24.3 | 73.0 |



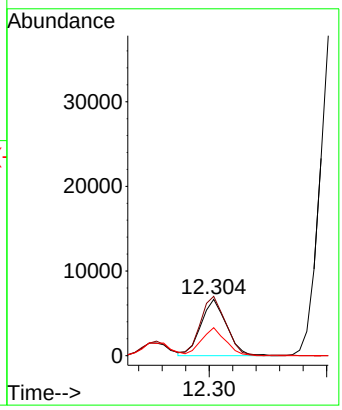


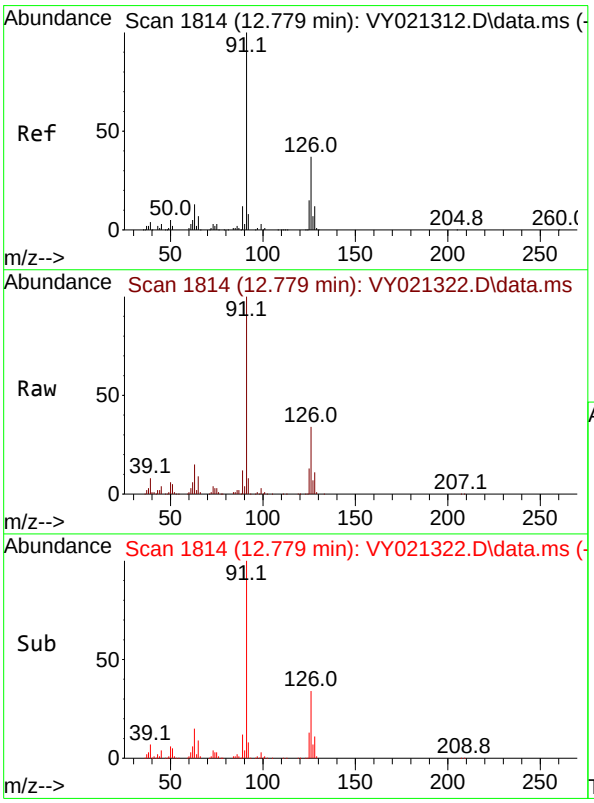

#81
trans-1,4-Dichloro-2-butene
Concen: 17.364 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 75 Resp: 10066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 104.9 | 79.1 | 118.7 |
| 89 | 46.4 | 35.6 | 53.4 |

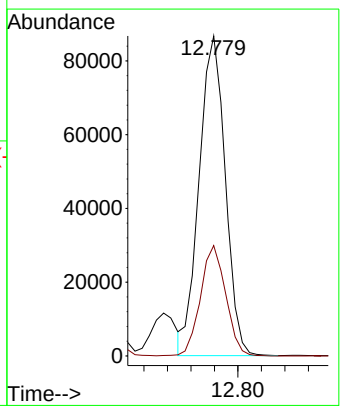


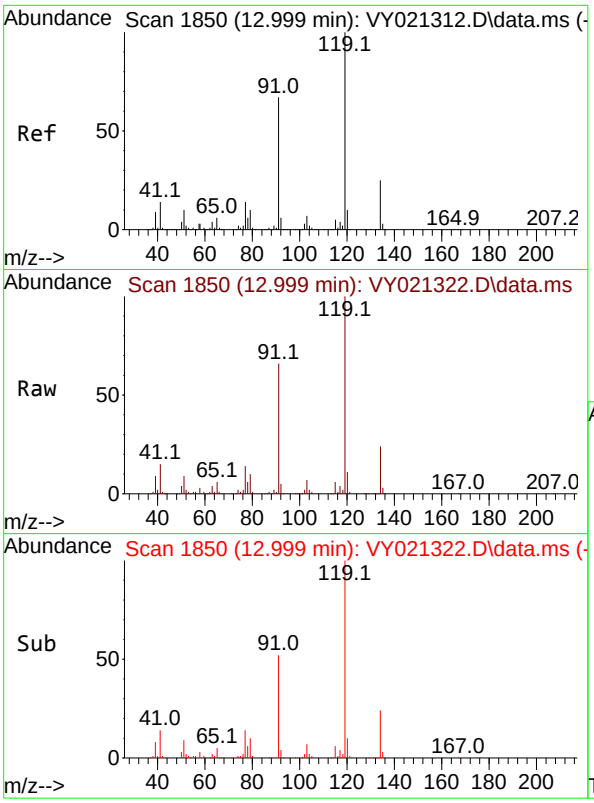




#82
4-Chlorotoluene
Concen: 19.171 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 133936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.8 | 50.4 |



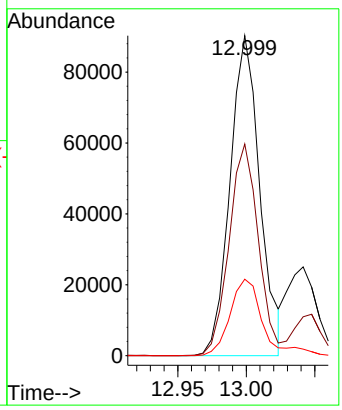


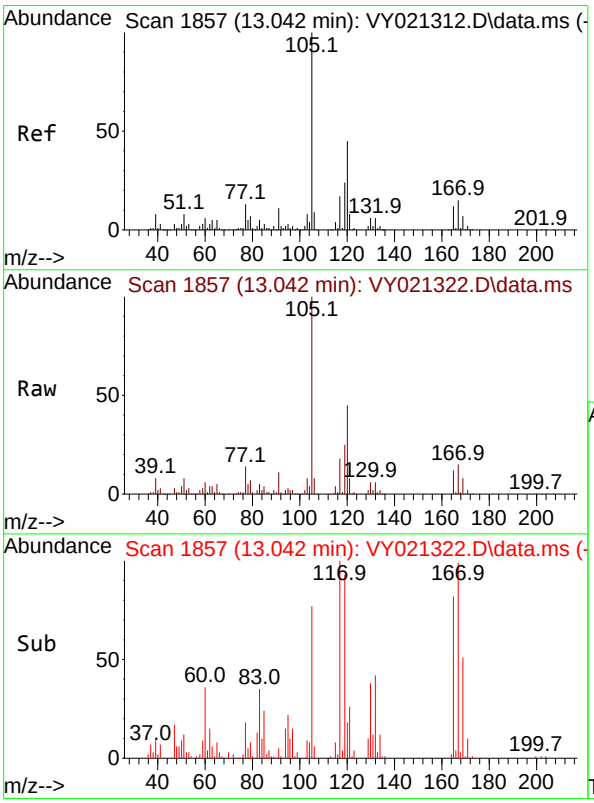

#83
tert-Butylbenzene
Concen: 19.079 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:119 Resp: 136788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.8 | 32.7 | 98.1 |
| 134 | 26.3 | 13.3 | 39.9 |

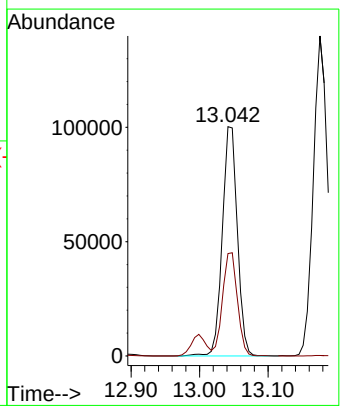


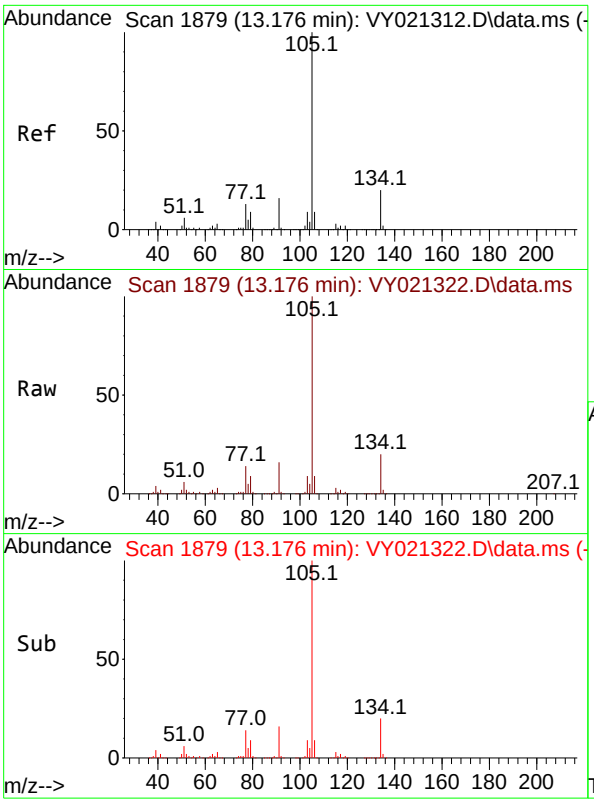




#84
1,2,4-Trimethylbenzene
Concen: 19.310 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 152431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 22.4 | 67.3 |



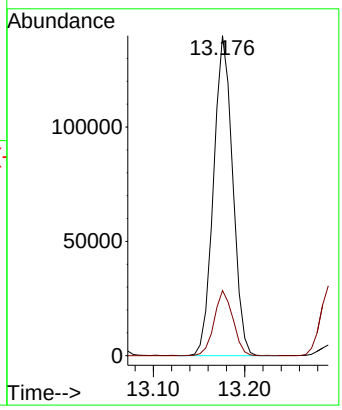


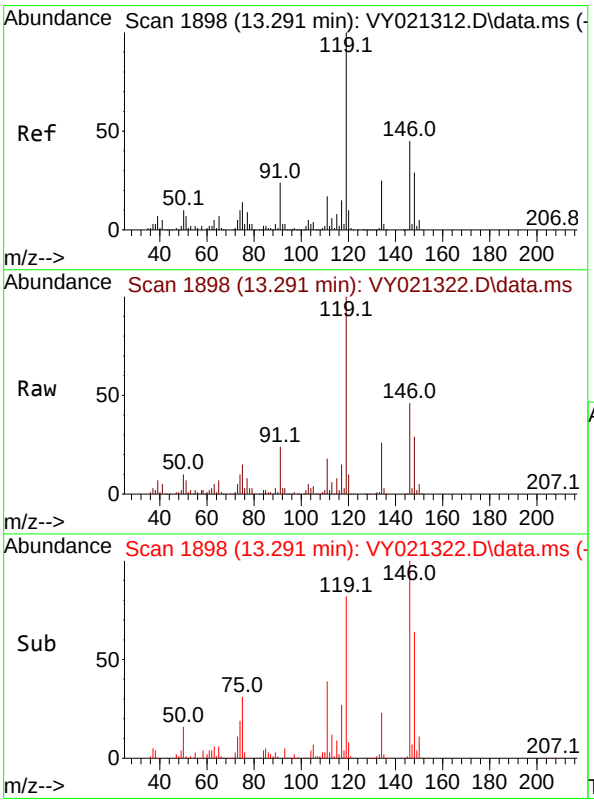

#85
sec-Butylbenzene
Concen: 19.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:105 Resp: 204066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 10.0 | 30.0 |

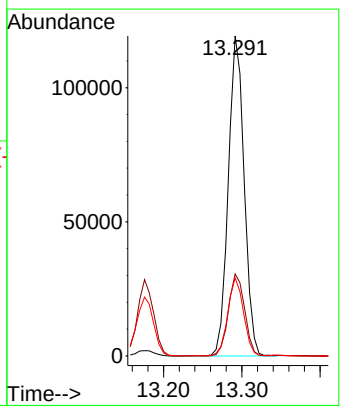


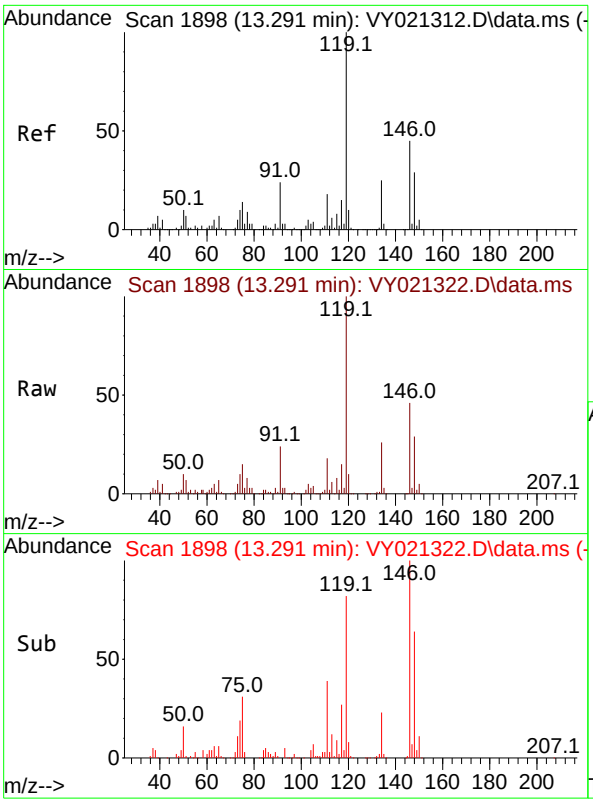




#86
p-Isopropyltoluene
Concen: 19.195 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:119 Resp: 167856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 13.0 | 38.9 |
| 91 | 24.2 | 12.0 | 36.1 |



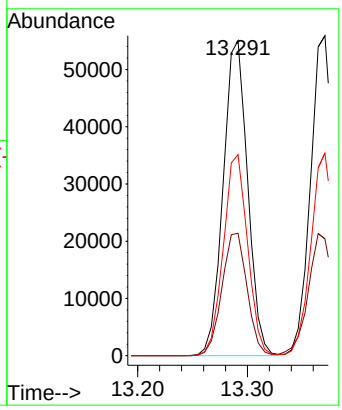


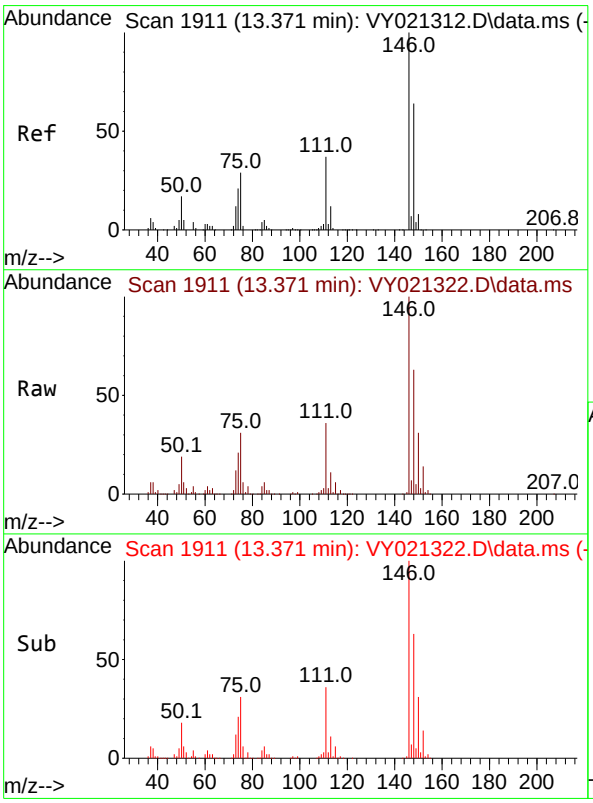

#87
1,3-Dichlorobenzene
Concen: 19.148 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:146 Resp: 85257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.0 | 59.9 |
| 148 | 63.4 | 31.9 | 95.9 |

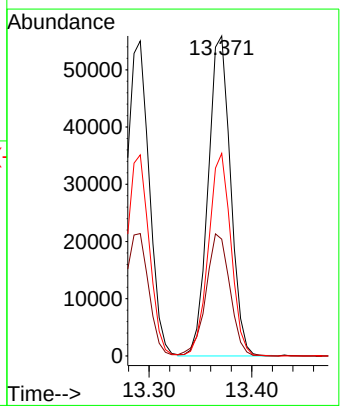


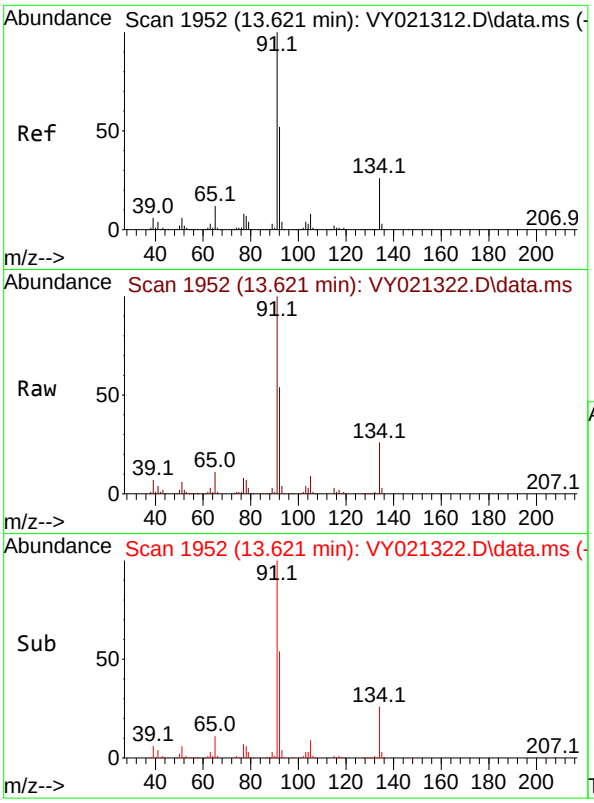




#88
1,4-Dichlorobenzene
Concen: 19.226 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 84570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 19.5 | 58.5 |
| 148 | 63.6 | 32.0 | 96.2 |



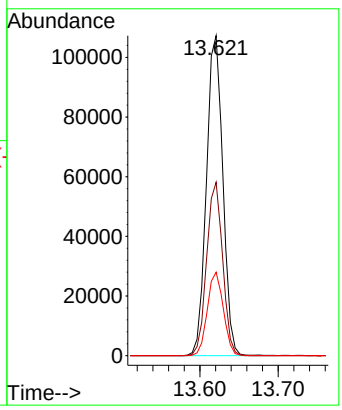


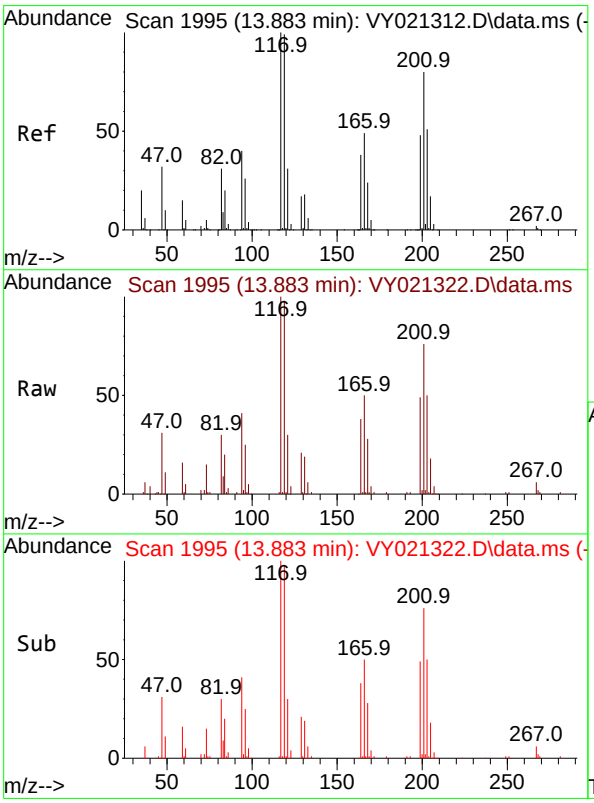

#89
n-Butylbenzene
Concen: 18.911 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion: 91 Resp: 155625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.8 | 26.4 | 79.2 |
| 134 | 25.5 | 12.7 | 38.0 |

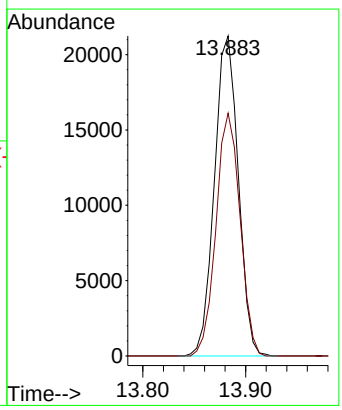


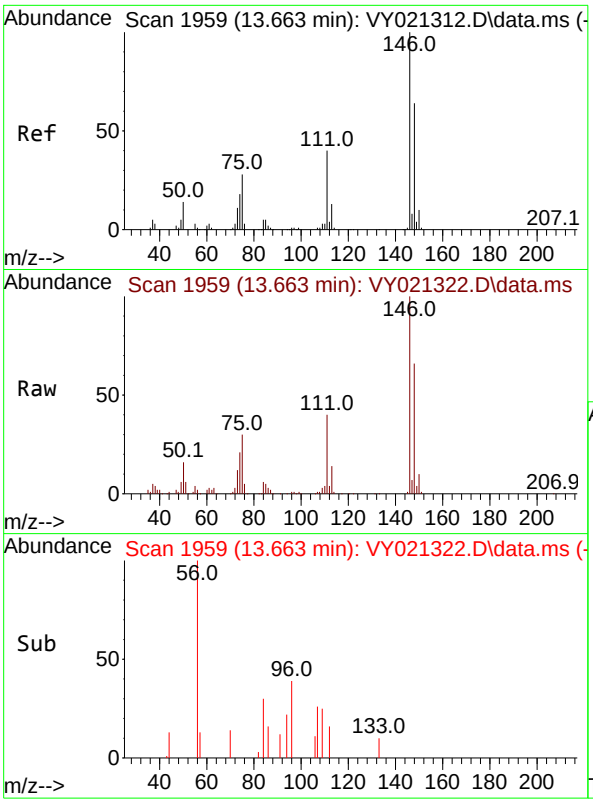




#90
Hexachloroethane
Concen: 18.736 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 34224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.4 | 38.4 | 115.2 |



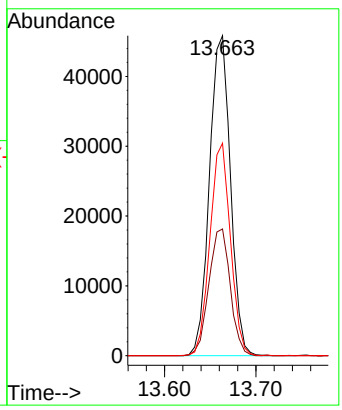


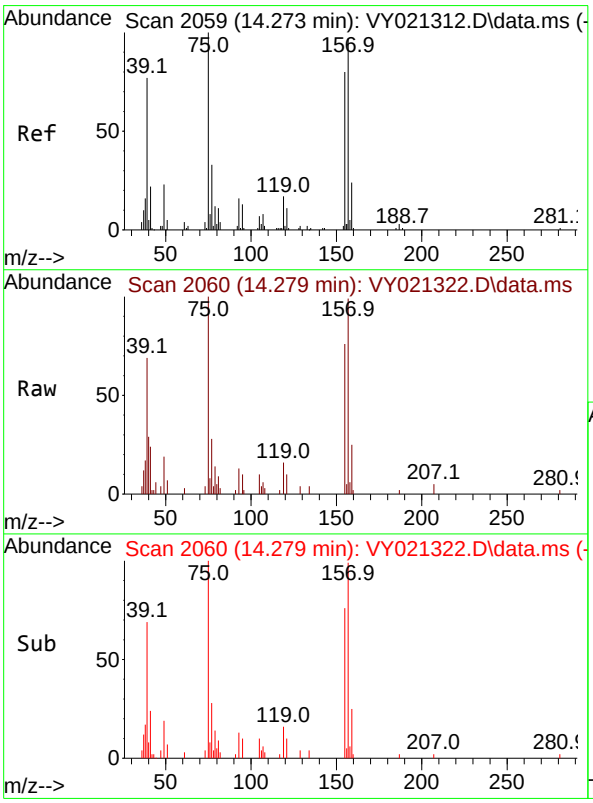

#91
1,2-Dichlorobenzene
Concen: 18.778 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:146 Resp: 73256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 20.7 | 62.1 |
| 148 | 64.9 | 31.7 | 95.1 |

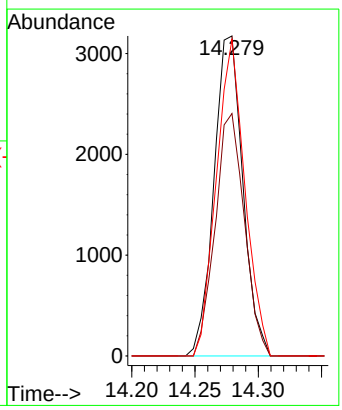


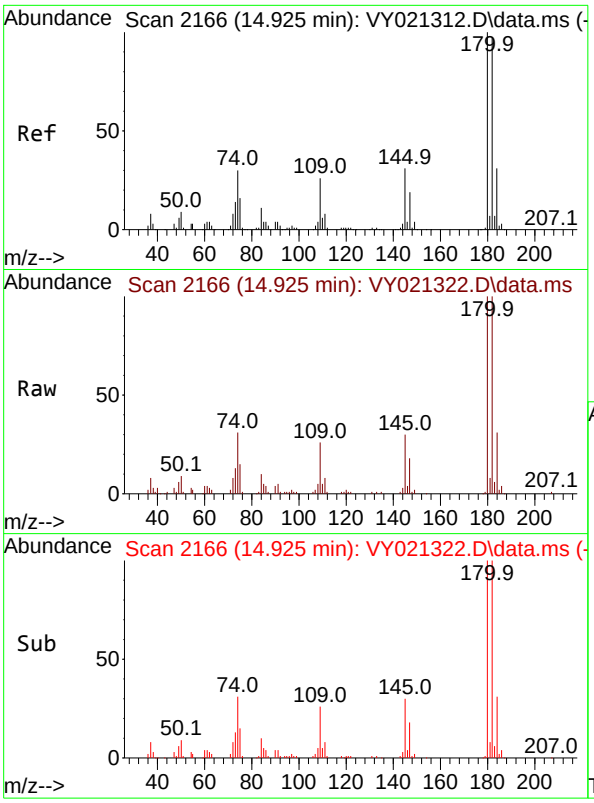




#92
1,2-Dibromo-3-Chloropropane
Concen: 18.599 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 5025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 76.7 | 41.9 | 125.6 |
| 157 | 97.9 | 52.5 | 157.6 |



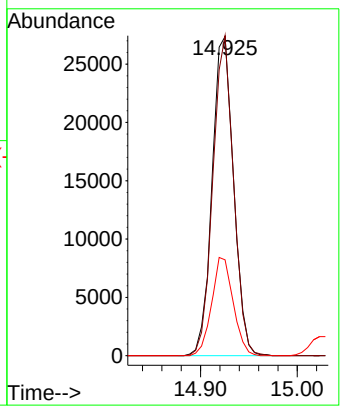


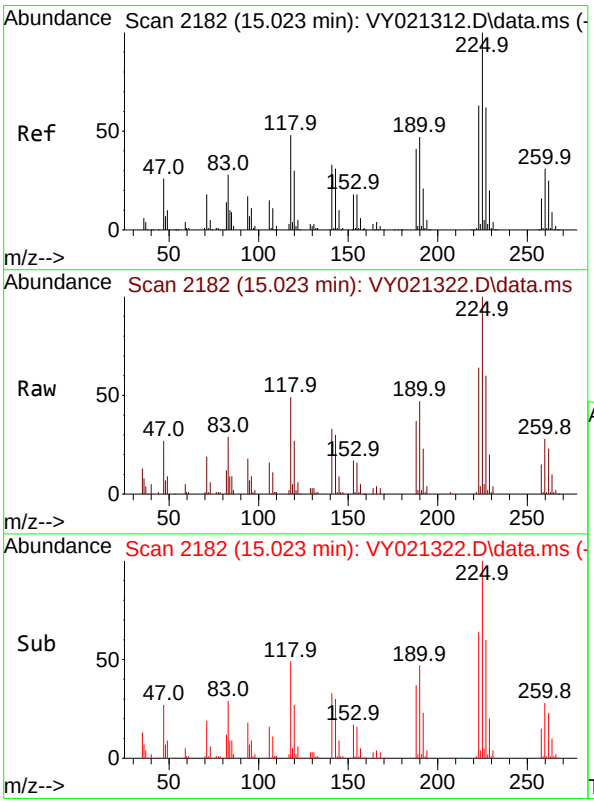

#93
1,2,4-Trichlorobenzene
Concen: 17.702 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:180 Resp: 42148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 47.9 | 143.7 |
| 145 | 30.9 | 15.6 | 46.8 |

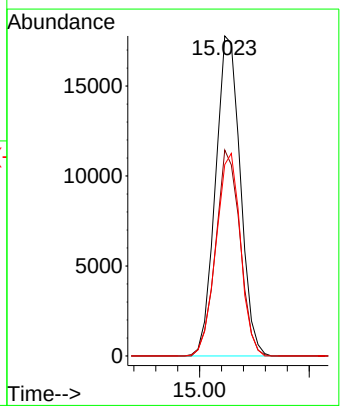


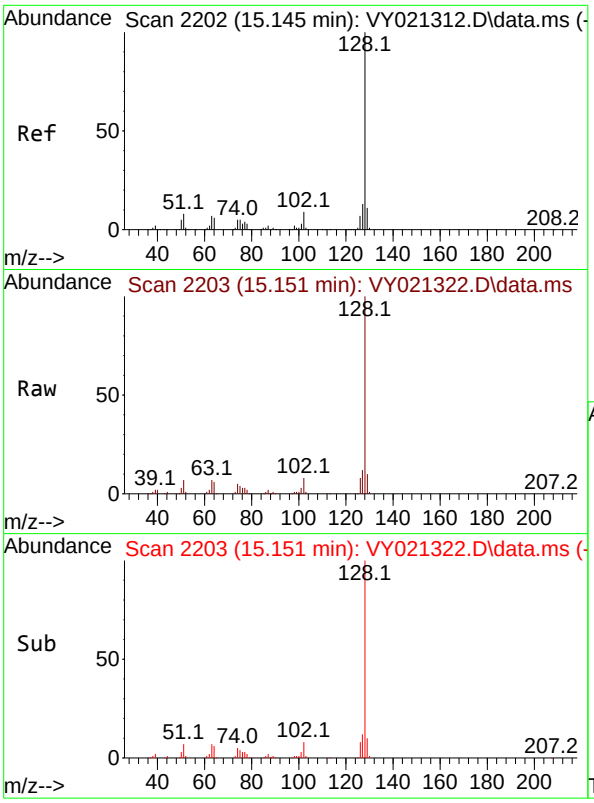




#94
Hexachlorobutadiene
Concen: 18.650 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:225 Resp: 27956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 31.8 | 95.4 |
| 227 | 62.6 | 31.9 | 95.7 |



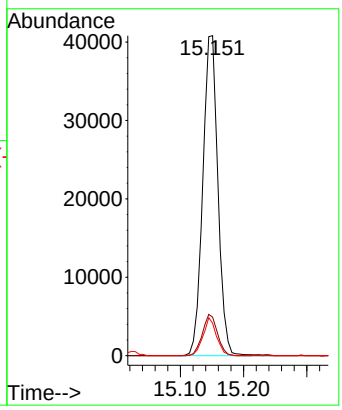


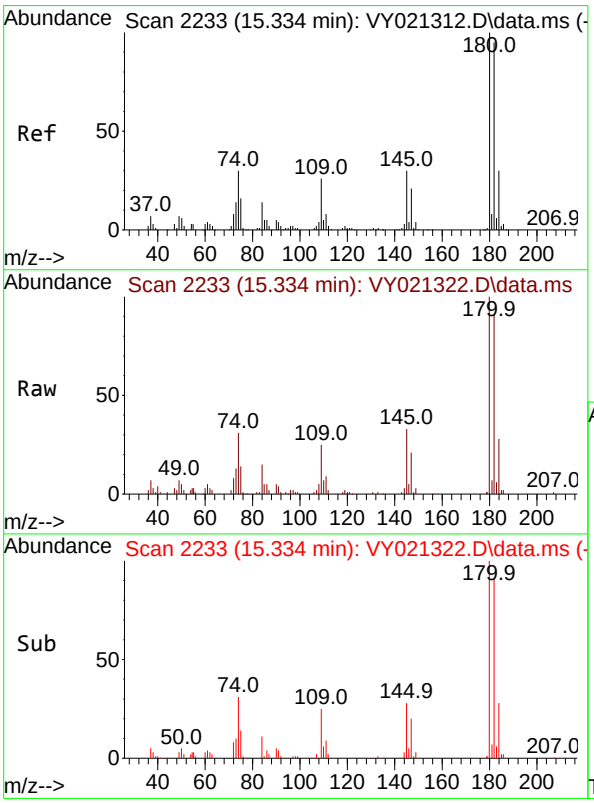

#95
Naphthalene
Concen: 17.269 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBS01

Tgt Ion:128 Resp: 68106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 10.5 | 8.5 | 12.7 |

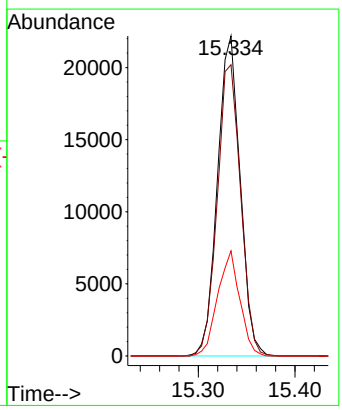



#96
1,2,3-Trichlorobenzene
Concen: 17.931 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:180 Resp: 36072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 48.3 | 144.9 |
| 145 | 32.1 | 16.1 | 48.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 186200 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.615 | 114 | 292071 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 258744 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 129829 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 102341 | 48.451 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 96.900% | | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 94057 | 49.120 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 98.240% | | | | |
| 50) Toluene-d8 | 10.103 | 98 | 369458 | 49.924 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 99.840% | | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 125203 | 50.271 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 100.540% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 33929 | 19.219 | ug/l | | 98 |
| 3) Chloromethane | 2.068 | 50 | 44643 | 19.581 | ug/l | | 94 |
| 4) Vinyl Chloride | 2.202 | 62 | 43431 | 19.408 | ug/l | | 95 |
| 5) Bromomethane | 2.586 | 94 | 28875 | 19.417 | ug/l | | 91 |
| 6) Chloroethane | 2.732 | 64 | 27157 | 19.569 | ug/l | | 98 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 64725 | 19.152 | ug/l | | 98 |
| 8) Diethyl Ether | 3.452 | 74 | 19301 | 19.028 | ug/l | | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 39047 | 19.956 | ug/l | | 99 |
| 10) Methyl Iodide | 4.000 | 142 | 38731 | 18.815 | ug/l | | 99 |
| 11) Tert butyl alcohol | 4.848 | 59 | 15317 | 94.274 | ug/l | | 97 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 35945 | 19.186 | ug/l | | 98 |
| 13) Acrolein | 3.647 | 56 | 22337 | 179.408 | ug/l | | 96 |
| 14) Allyl chloride | 4.385 | 41 | 64619 | 19.454 | ug/l | | 99 |
| 15) Acrylonitrile | 5.049 | 53 | 42848 | 95.540 | ug/l | | 99 |
| 16) Acetone | 3.866 | 43 | 36994 | 91.302 | ug/l | | 96 |
| 17) Carbon Disulfide | 4.104 | 76 | 119697 | 19.240 | ug/l | | 99 |
| 18) Methyl Acetate | 4.378 | 43 | 19000 | 19.188 | ug/l | | 97 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 96512 | 19.498 | ug/l | | 98 |
| 20) Methylene Chloride | 4.616 | 84 | 41428 | 18.908 | ug/l | | 97 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 39986 | 19.387 | ug/l | | 97 |
| 22) Diisopropyl ether | 6.018 | 45 | 136570 | 19.868 | ug/l | | 97 |
| 23) Vinyl Acetate | 5.957 | 43 | 400683 | 97.548 | ug/l | | 98 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 75455 | 19.476 | ug/l | | 100 |
| 25) 2-Butanone | 6.896 | 43 | 57737 | 94.416 | ug/l | | 100 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 67846 | 19.300 | ug/l | | 100 |
| 27) cis-1,2-Dichloroethene | 6.884 | 96 | 46880 | 19.905 | ug/l | | 98 |
| 28) Bromochloromethane | 7.238 | 49 | 34082 | 19.882 | ug/l | | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 39639 | 99.167 | ug/l | | 97 |
| 30) Chloroform | 7.421 | 83 | 76696 | 19.537 | ug/l | | 98 |
| 31) Cyclohexane | 7.701 | 56 | 71145 | 19.104 | ug/l | # | 94 |
| 32) 1,1,1-Trichloroethane | 7.610 | 97 | 68700 | 19.226 | ug/l | | 99 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 57651 | 20.043 | ug/l | | 99 |
| 37) Ethyl Acetate | 6.982 | 43 | 28136 | 19.665 | ug/l | | 100 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 63336 | 19.587 | ug/l | | 99 |
| 39) Methylcyclohexane | 9.109 | 83 | 71099 | 19.543 | ug/l | | 99 |
| 40) Benzene | 8.079 | 78 | 169384 | 19.922 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 16363 | 20.455 ug/l # | 73 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 47566 | 19.718 ug/l | 100 |
| 43) Isopropyl Acetate | 8.195 | 43 | 54330 | 19.618 ug/l | 99 |
| 44) Trichloroethene | 8.865 | 130 | 41805 | 19.638 ug/l | 97 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 40089 | 19.592 ug/l | 99 |
| 46) Dibromomethane | 9.231 | 93 | 21727 | 19.425 ug/l | 100 |
| 47) Bromodichloromethane | 9.420 | 83 | 58116 | 19.487 ug/l | 100 |
| 48) Methyl methacrylate | 9.219 | 41 | 23787 | 18.368 ug/l | 94 |
| 49) 1,4-Dioxane | 9.225 | 88 | 4464 | 358.943 ug/l | 99 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 138572 | 97.751 ug/l | 99 |
| 52) Toluene | 10.170 | 92 | 104255 | 19.738 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 53978 | 19.755 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 62124 | 19.260 ug/l | 95 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 28227 | 19.373 ug/l | 96 |
| 56) Ethyl methacrylate | 10.438 | 69 | 39319 | 19.530 ug/l | 99 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 51397 | 20.102 ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 90024 | 93.158 ug/l | 100 |
| 59) 2-Hexanone | 10.761 | 43 | 89865 | 96.524 ug/l | 99 |
| 60) Dibromochloromethane | 10.914 | 129 | 39272 | 19.790 ug/l | 98 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 26713 | 19.365 ug/l | 96 |
| 64) Tetrachloroethene | 10.646 | 164 | 38493 | 19.682 ug/l | 99 |
| 65) Chlorobenzene | 11.444 | 112 | 113821 | 19.597 ug/l | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 39353 | 19.350 ug/l | 98 |
| 67) Ethyl Benzene | 11.517 | 91 | 197780 | 19.225 ug/l | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 149341 | 38.593 ug/l | 98 |
| 69) o-Xylene | 11.956 | 106 | 70486 | 19.444 ug/l | 99 |
| 70) Styrene | 11.969 | 104 | 119367 | 19.791 ug/l | 99 |
| 71) Bromoform | 12.133 | 173 | 22170 | 19.055 ug/l # | 100 |
| 73) Isopropylbenzene | 12.255 | 105 | 192163 | 19.688 ug/l | 99 |
| 74) N-amyl acetate | 12.072 | 43 | 47929 | 19.319 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 33436 | 19.410 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 42848 | 32.972 ug/l # | 100 |
| 77) Bromobenzene | 12.529 | 156 | 44137 | 19.442 ug/l | 99 |
| 78) n-propylbenzene | 12.596 | 91 | 231519 | 19.547 ug/l | 100 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 132259 | 19.457 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 157749 | 19.706 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 10784 | 18.445 ug/l | 95 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 136654 | 19.394 ug/l | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 139478 | 19.288 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 156482 | 19.655 ug/l | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 207160 | 19.613 ug/l | 99 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 172280 | 19.534 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 13.285 | 146 | 88325 | 19.668 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 13.371 | 146 | 87772 | 19.784 ug/l | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 162070 | 19.527 ug/l | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 35761 | 19.411 ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 76555 | 19.457 ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 4895 | 17.963 ug/l | 95 |
| 93) 1,2,4-Trichlorobenzene | 14.925 | 180 | 45740 | 19.047 ug/l | 100 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 28899 | 19.115 ug/l | 98 |
| 95) Naphthalene | 15.145 | 128 | 73713 | 18.532 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 38421 | 18.936 ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

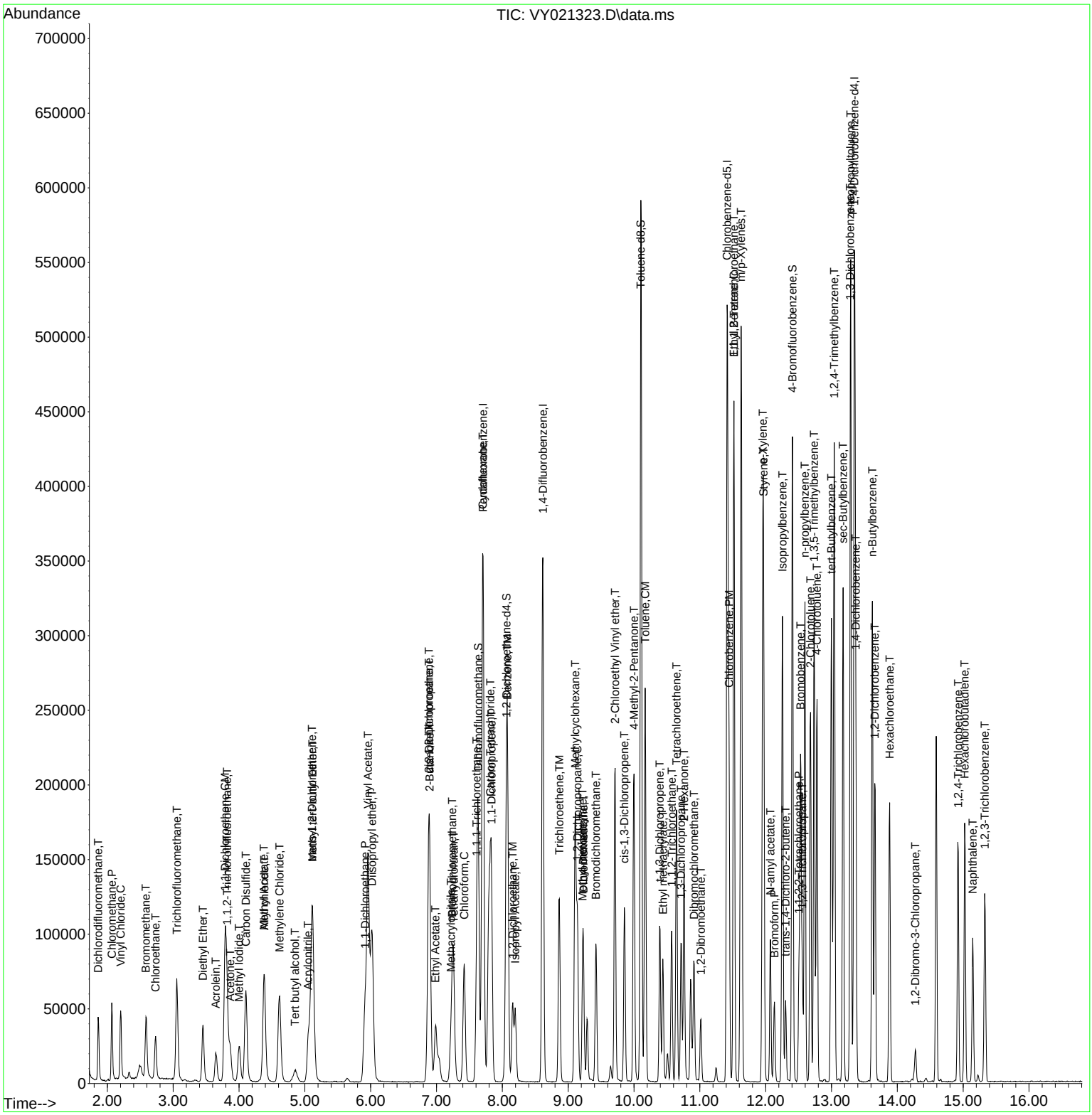
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

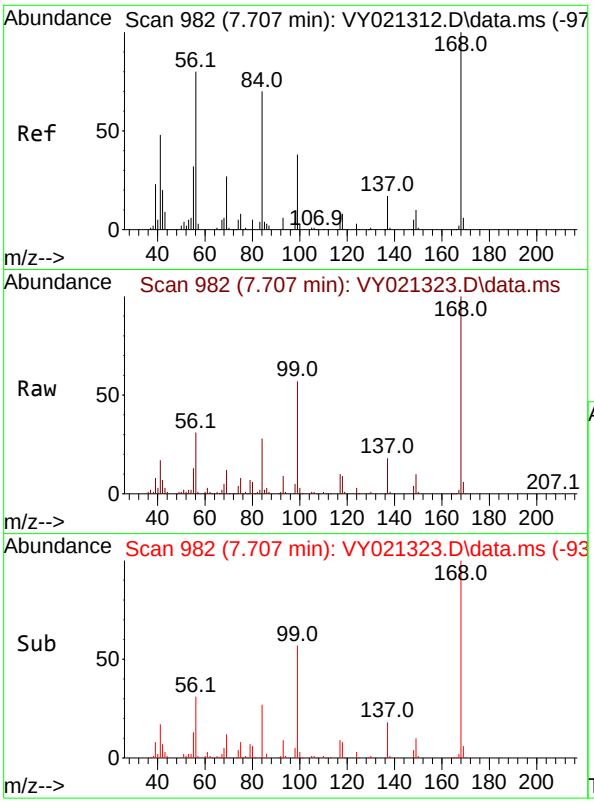
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



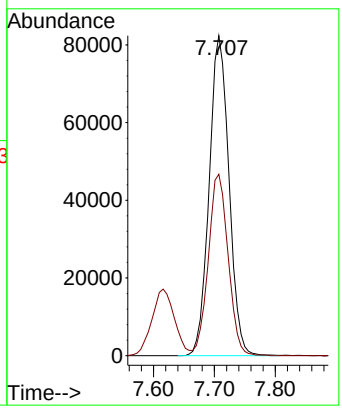


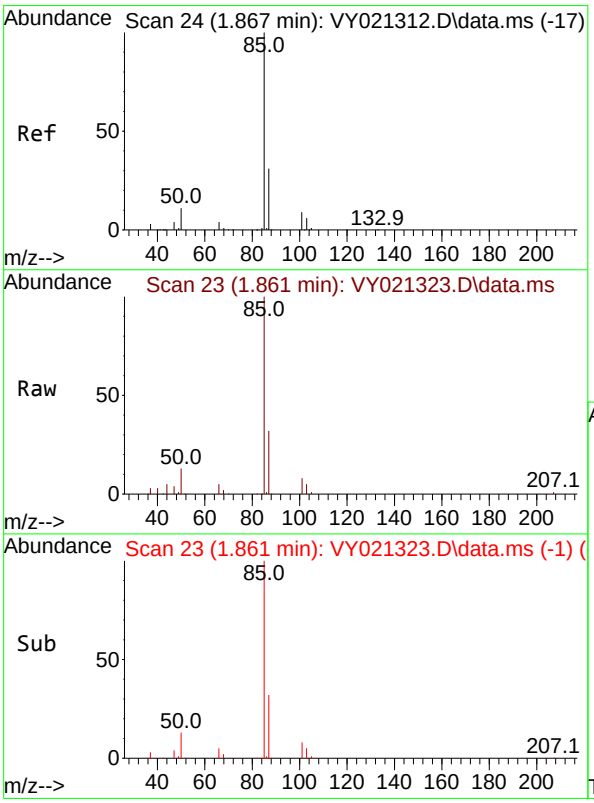

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:168 Resp: 186200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.7 | 47.1 | 70.7 |

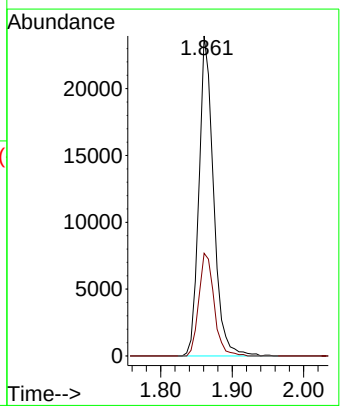


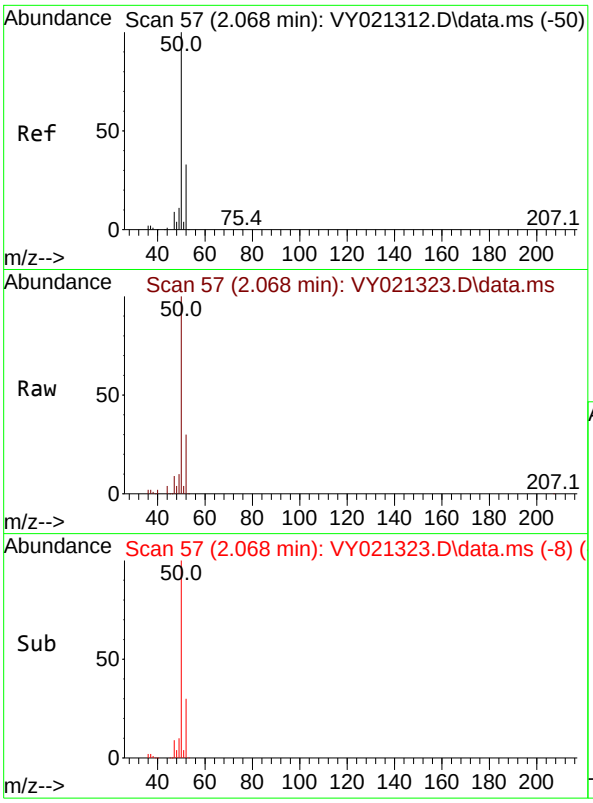




#2
Dichlorodifluoromethane
Concen: 19.219 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 85 Resp: 33929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 15.4 | 46.4 |



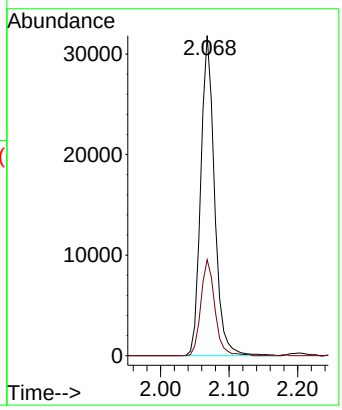


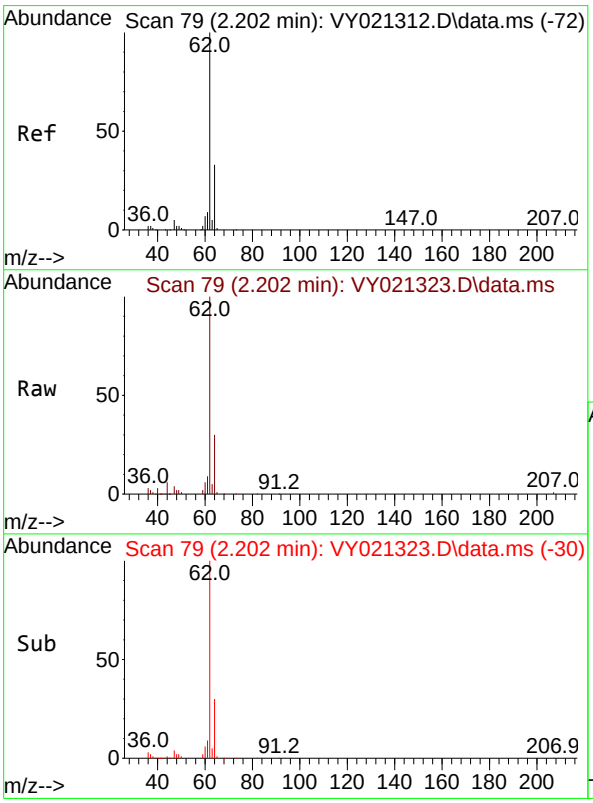

#3
Chloromethane
Concen: 19.581 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 50 Resp: 44643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.0 | 26.6 | 40.0 |

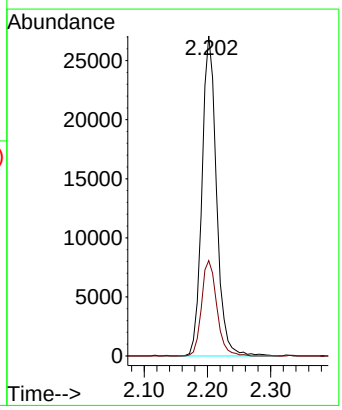


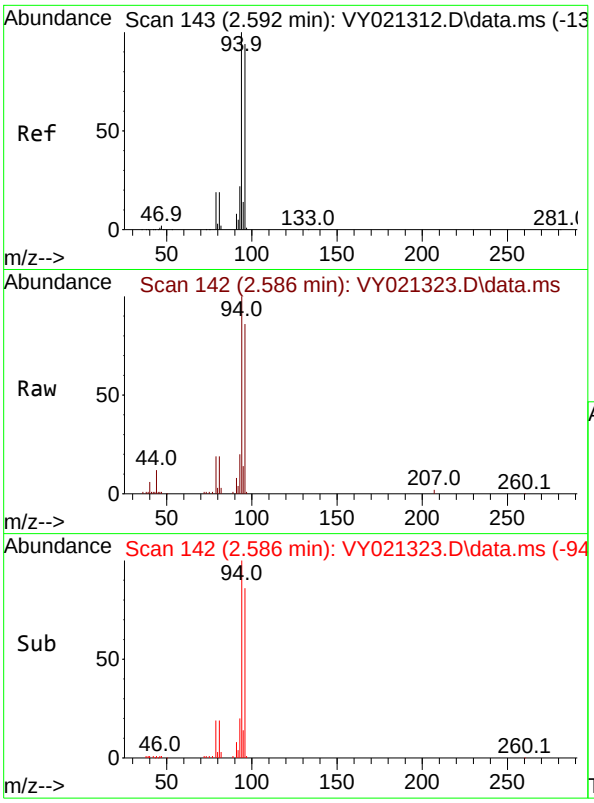




#4
Vinyl Chloride
Concen: 19.408 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 62 Resp: 43431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.8 | 26.3 | 39.5 |



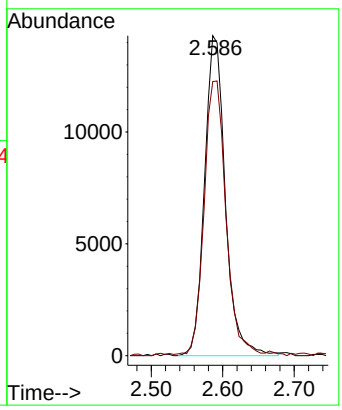


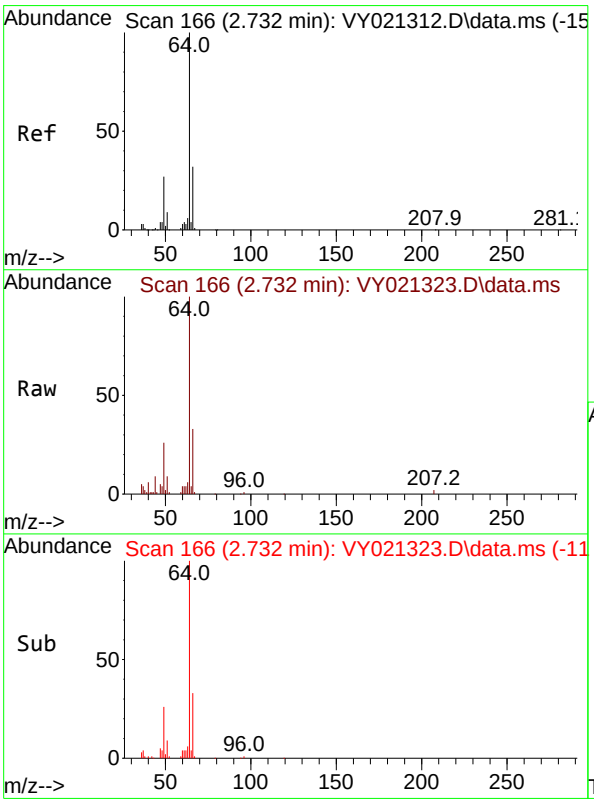

#5
Bromomethane
Concen: 19.417 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 94 Resp: 28875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 85.1 | 75.2 | 112.8 |

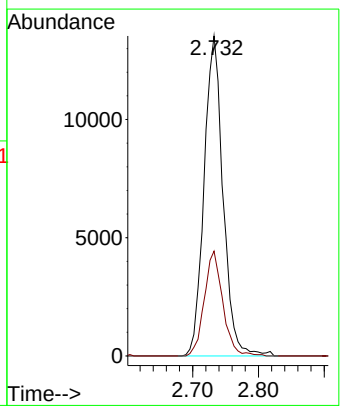


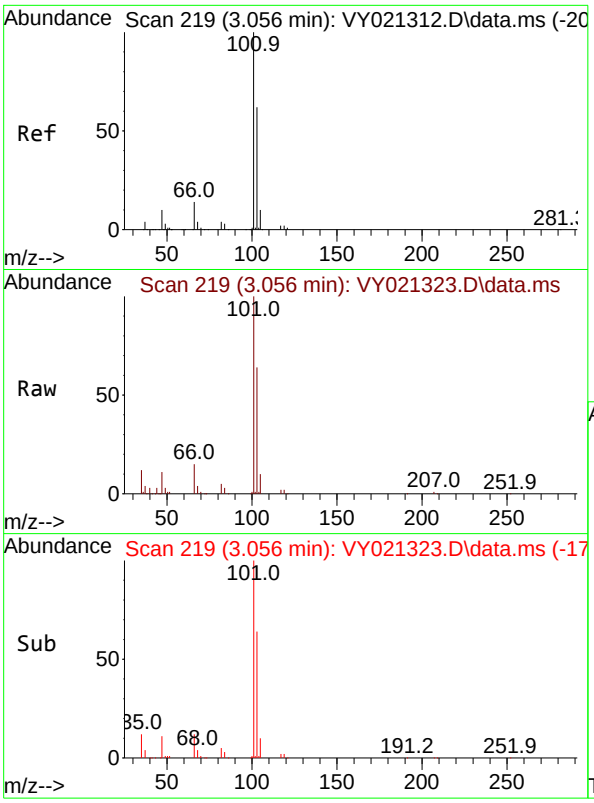




#6
Chloroethane
Concen: 19.569 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 64 Resp: 27157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.7 | 25.4 | 38.0 |



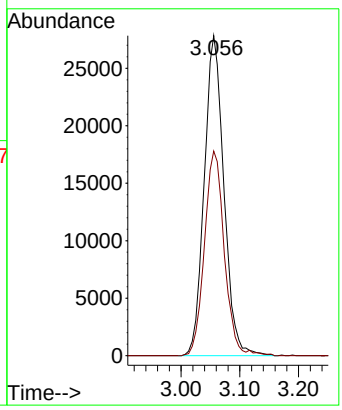


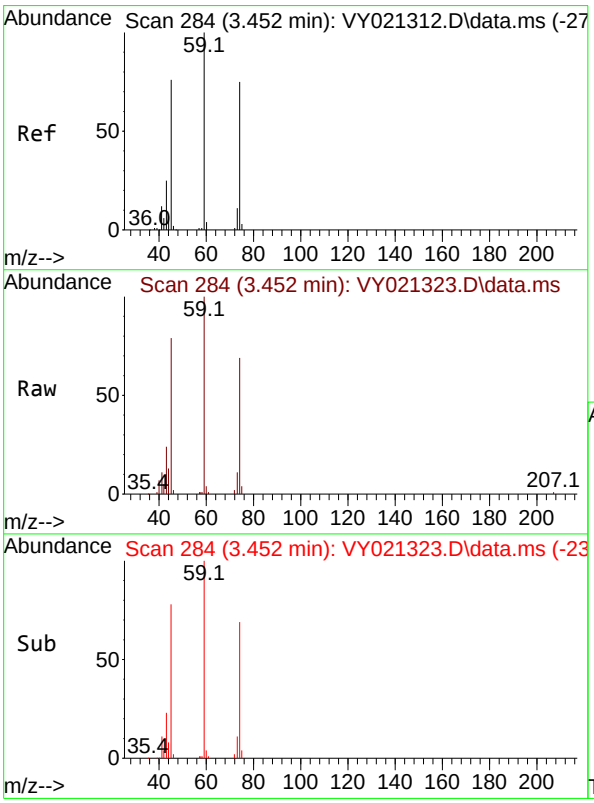

#7
Trichlorofluoromethane
Concen: 19.152 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:101 Resp: 64725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.9 | 49.7 | 74.5 |

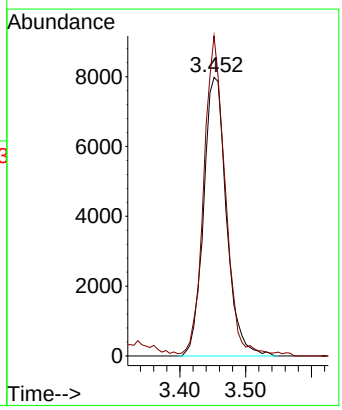


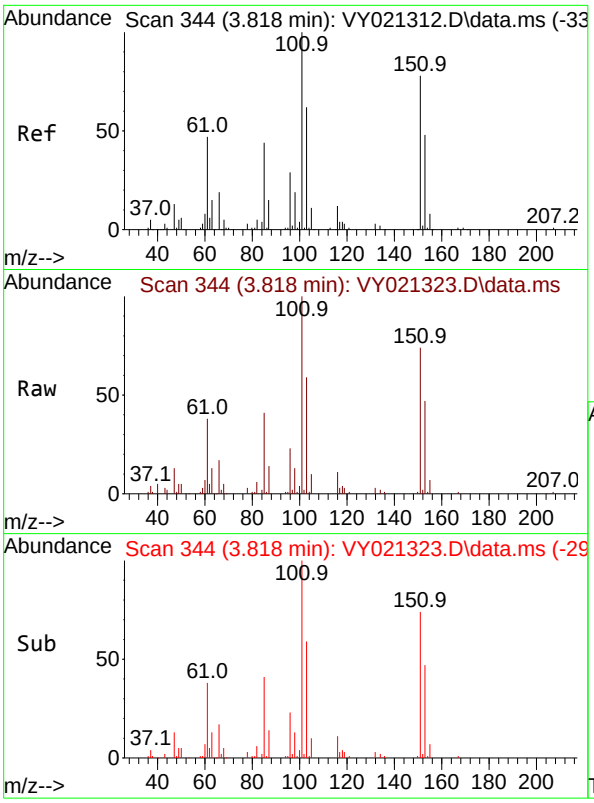




#8
Diethyl Ether
Concen: 19.028 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 74 Resp: 19301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 105.2 | 50.3 | 150.9 |



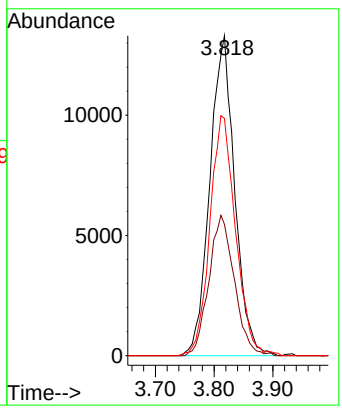


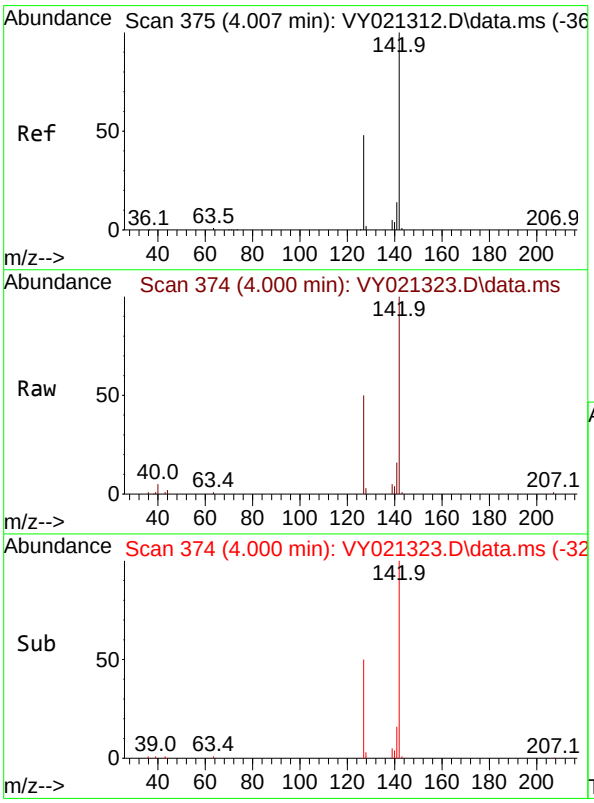

#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.956 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:101 Resp: 39047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.0 | 36.7 | 55.1 |
| 151 | 77.7 | 62.6 | 94.0 |

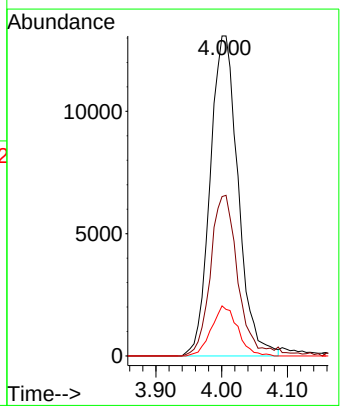


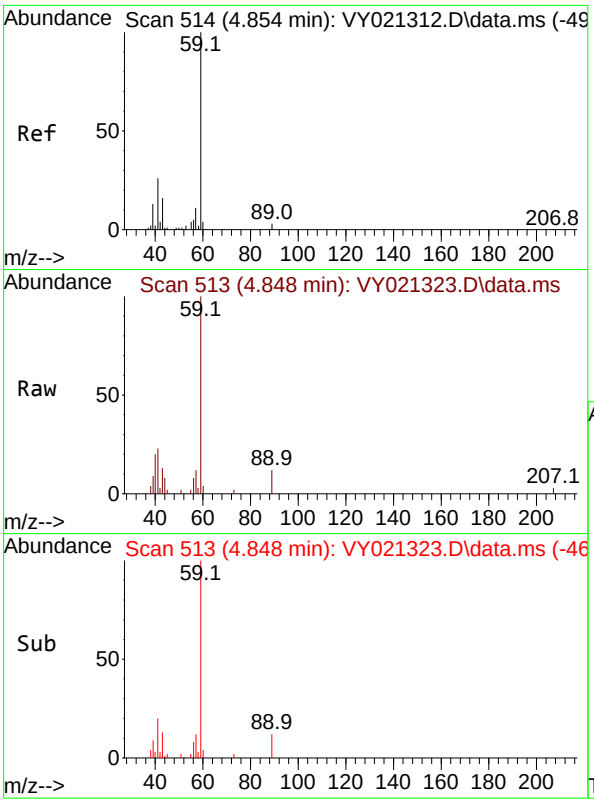




#10
Methyl Iodide
Concen: 18.815 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:142 Resp: 38731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.9 | 39.2 | 58.8 |
| 141 | 14.7 | 11.4 | 17.2 |



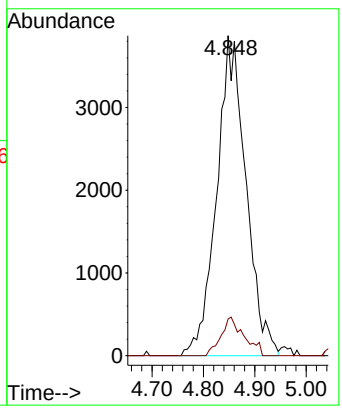


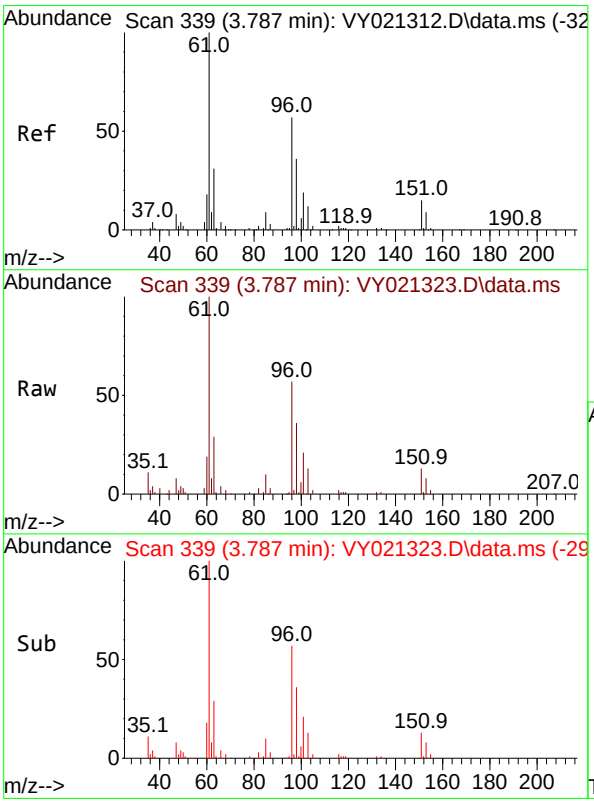

#11
Tert butyl alcohol
Concen: 94.274 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 59 Resp: 15317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.4 | 8.3 | 12.5 |

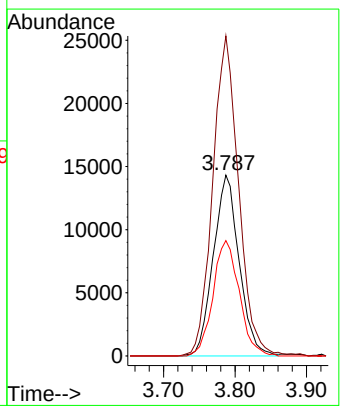


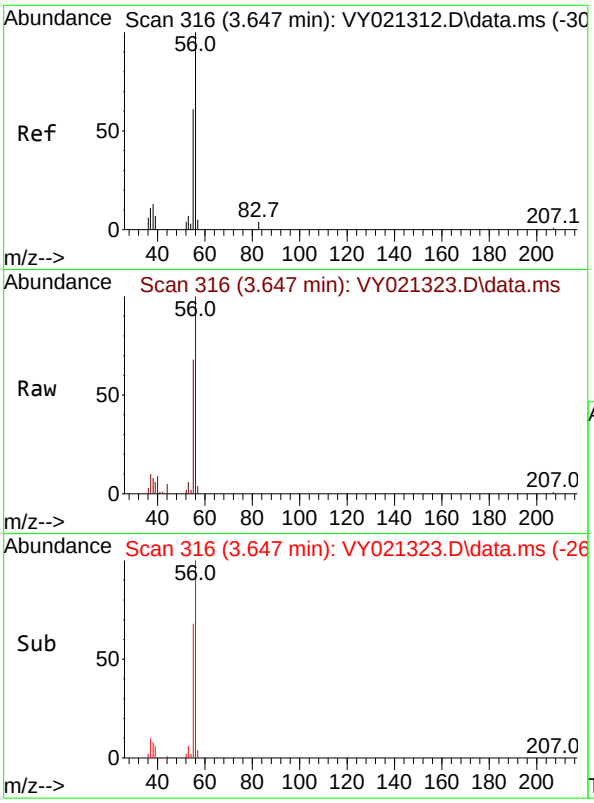




#12
1,1-Dichloroethene
Concen: 19.186 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 96 Resp: 35945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 177.0 | 139.7 | 209.5 |
| 98 | 63.8 | 49.7 | 74.5 |



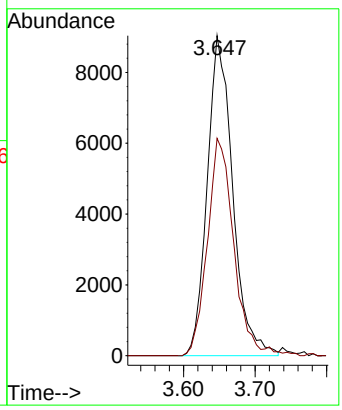


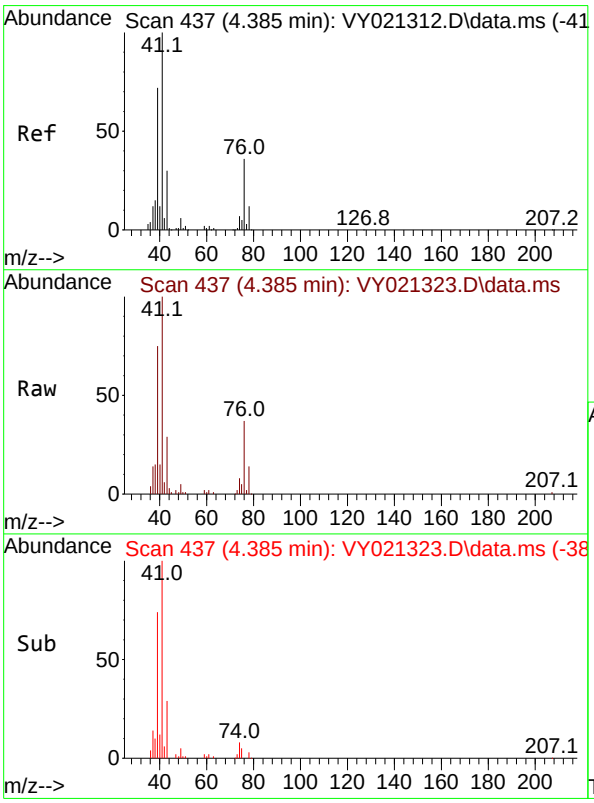

#13
Acrolein
Concen: 179.408 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 56 Resp: 22337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.6 | 59.0 | 88.6 |

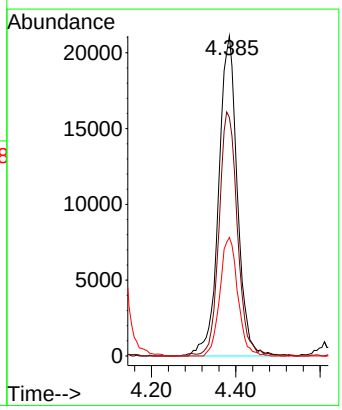


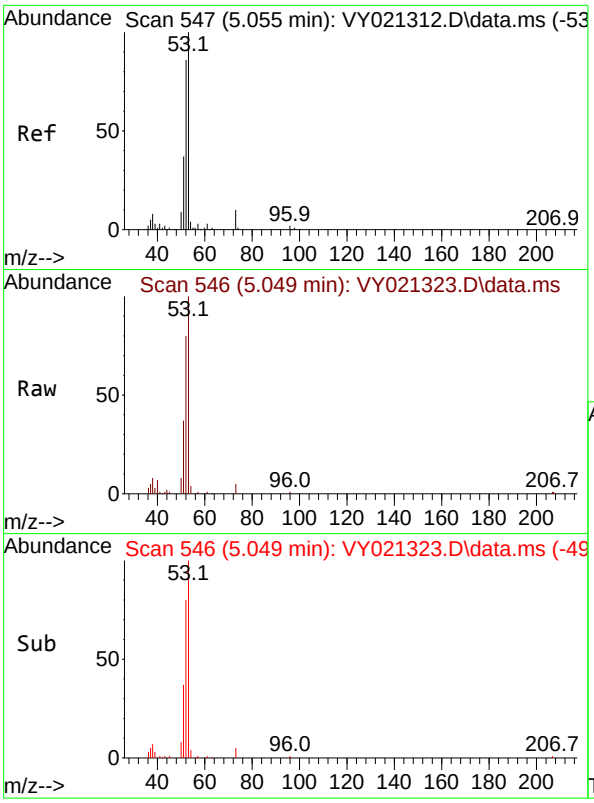




#14
Allyl chloride
Concen: 19.454 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 41 Resp: 64619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.7 | 60.0 | 90.0 |
| 76 | 35.5 | 29.0 | 43.6 |



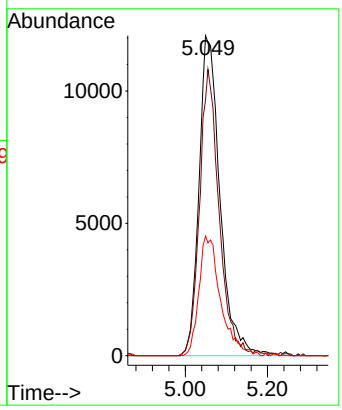


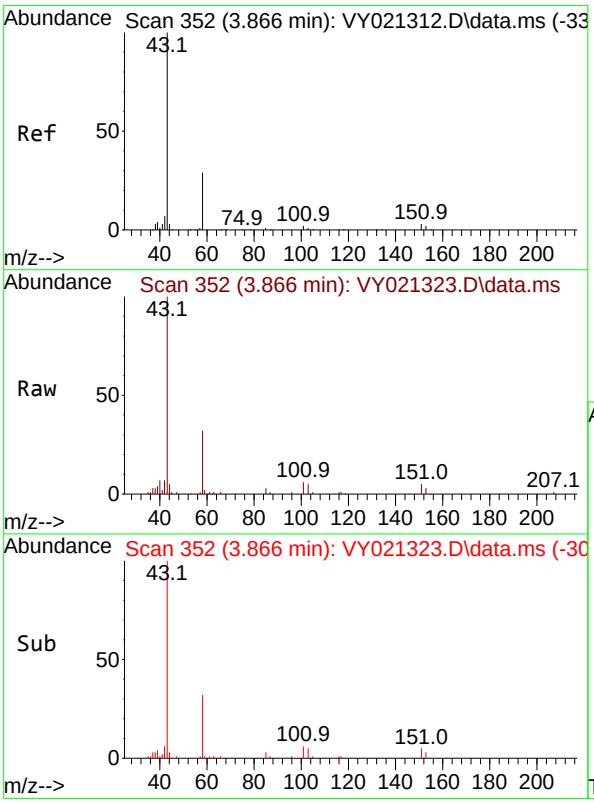

#15
Acrylonitrile
Concen: 95.540 ug/l
RT: 5.049 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 53 Resp: 42848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 65.5 | 98.3 |
| 51 | 38.7 | 30.6 | 46.0 |

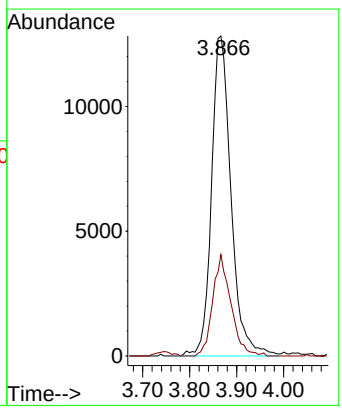


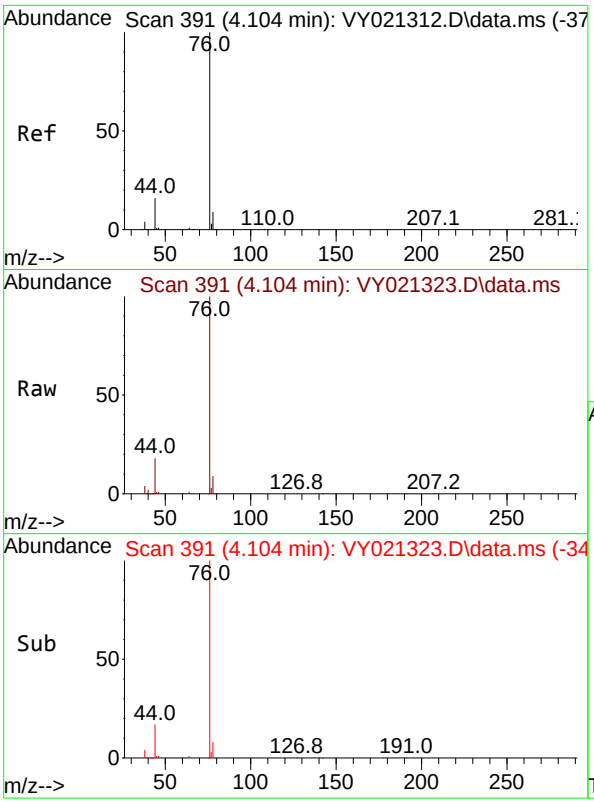




#16
Acetone
Concen: 91.302 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 36994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 23.5 | 35.3 |



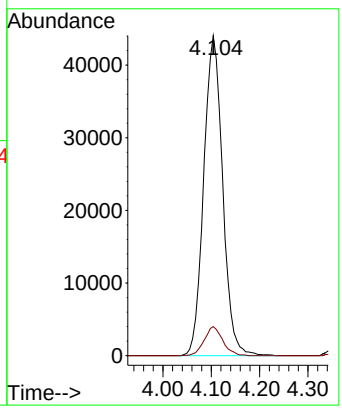


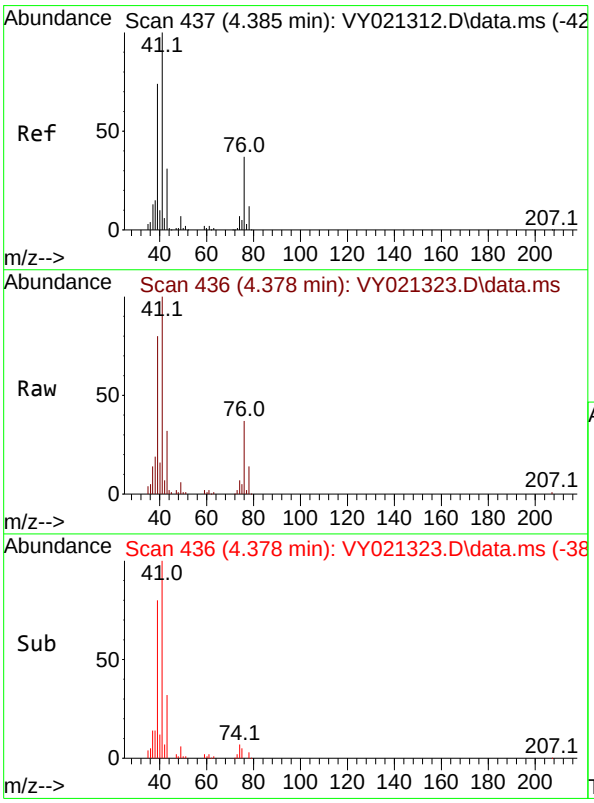

#17
Carbon Disulfide
Concen: 19.240 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 76 Resp: 119697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.1 | 10.7 |

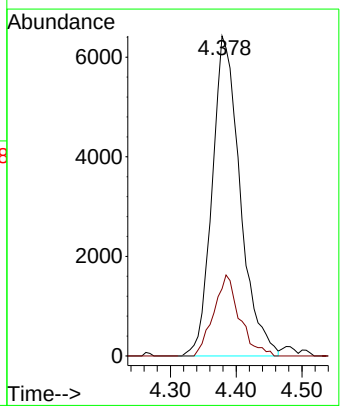


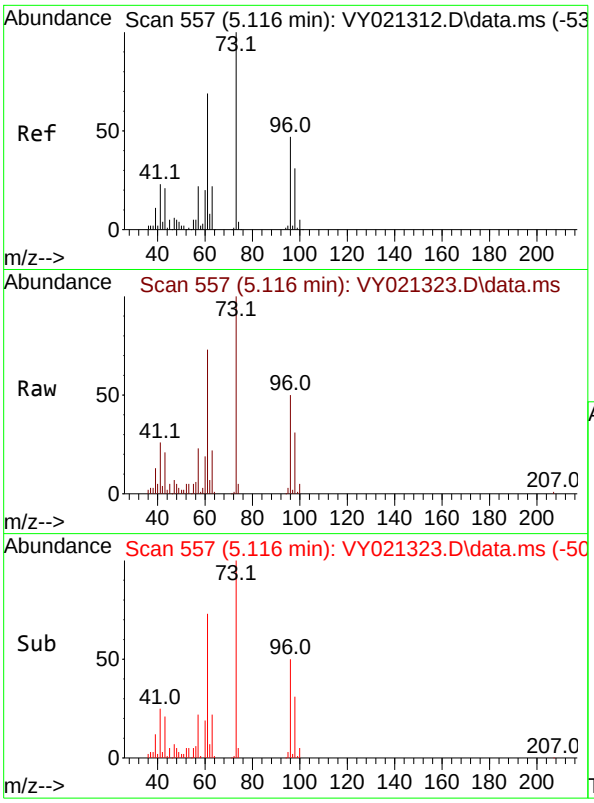




#18
Methyl Acetate
Concen: 19.188 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 19000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 17.7 | 26.5 |



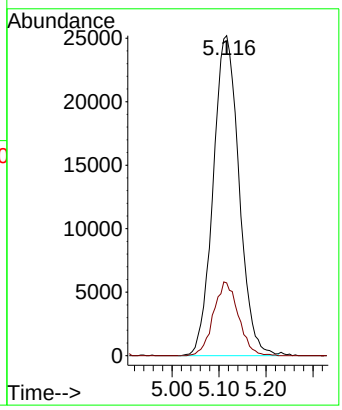


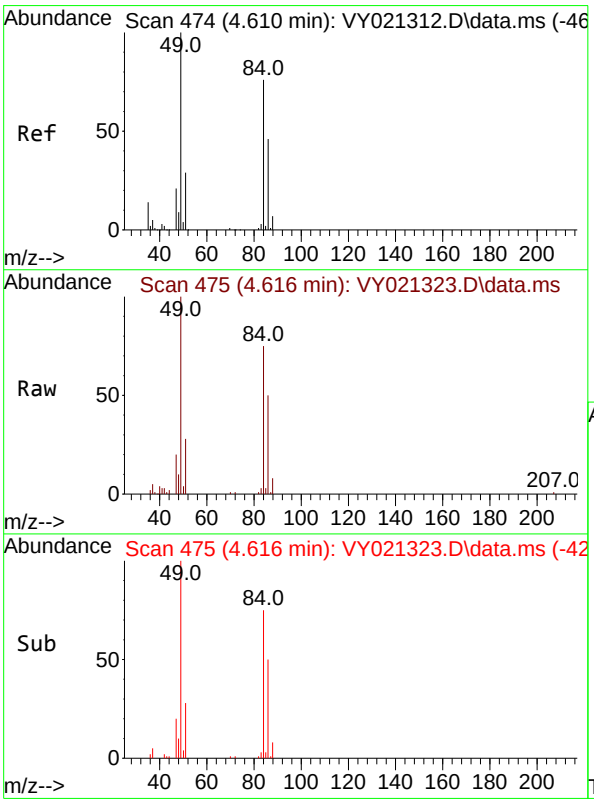

#19
Methyl tert-butyl Ether
Concen: 19.498 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 73 Resp: 96512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.8 | 17.4 | 26.0 |

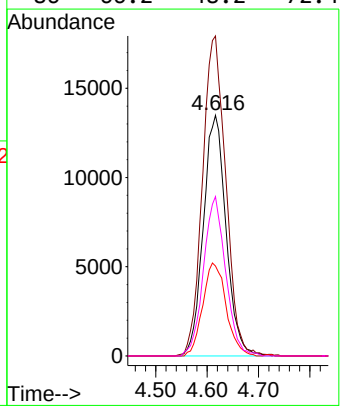


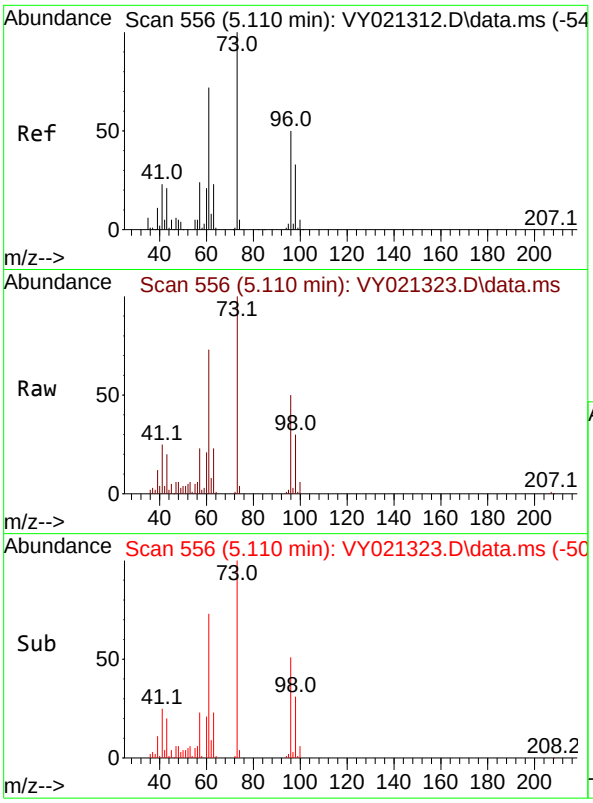




#20
Methylene Chloride
Concen: 18.908 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 84 Resp: 41428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 132.6 | 105.1 | 157.7 |
| 51 | 37.4 | 31.0 | 46.4 |
| 86 | 66.2 | 48.2 | 72.4 |



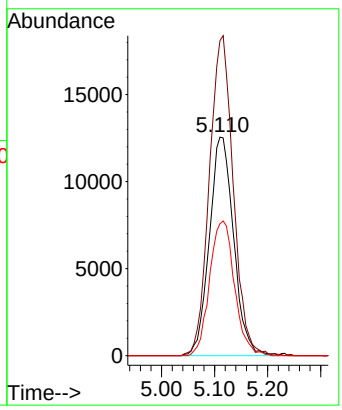


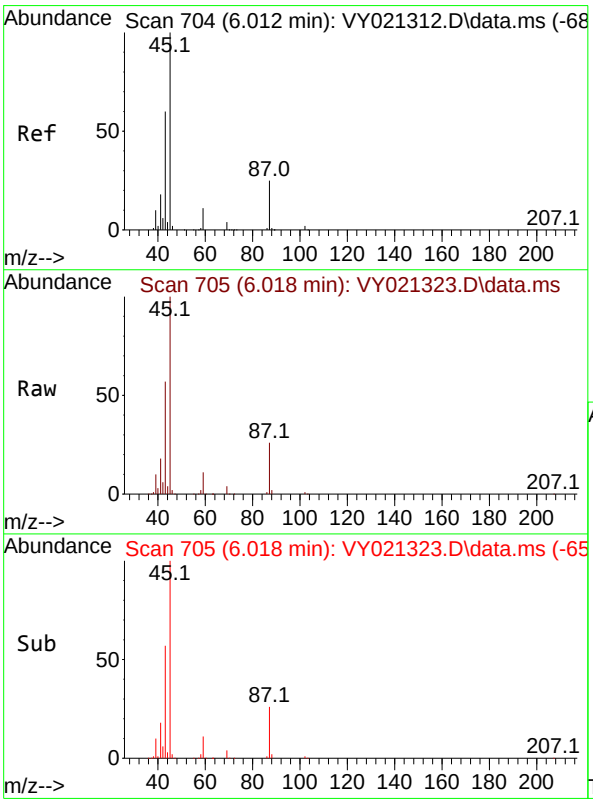

#21
trans-1,2-Dichloroethene
Concen: 19.387 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 96 Resp: 39986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.1 | 116.3 | 174.5 |
| 98 | 60.4 | 52.6 | 78.8 |

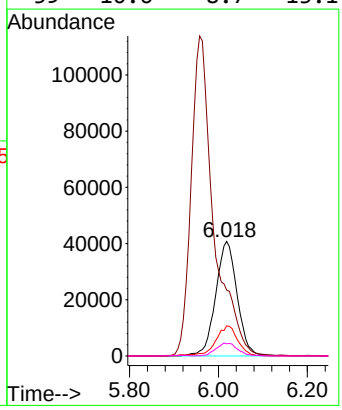


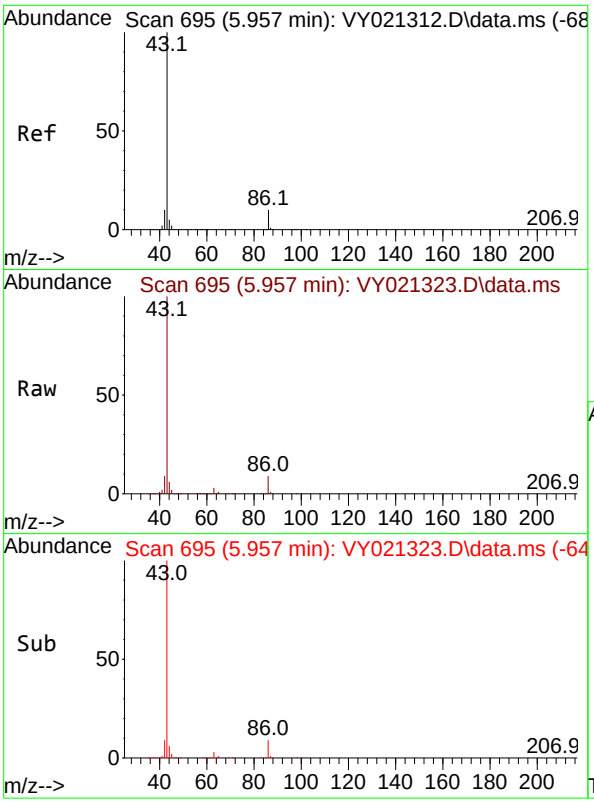




#22
Diisopropyl ether
Concen: 19.868 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 45 Resp: 136570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.8 | 48.2 | 72.4 |
| 87 | 26.3 | 20.3 | 30.5 |
| 59 | 10.6 | 8.7 | 13.1 |



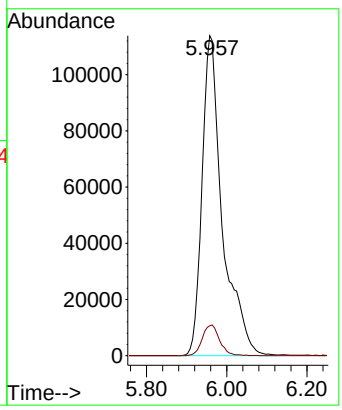


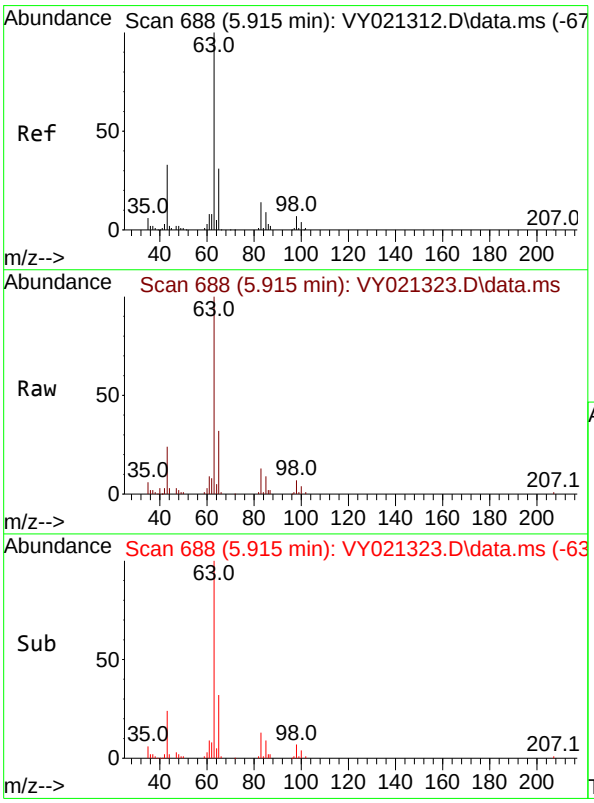

#23
Vinyl Acetate
Concen: 97.548 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 43 Resp: 400683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.4 | 8.0 | 12.0 |

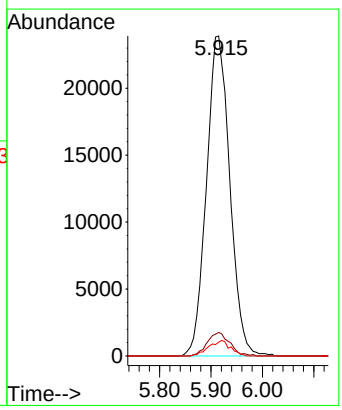


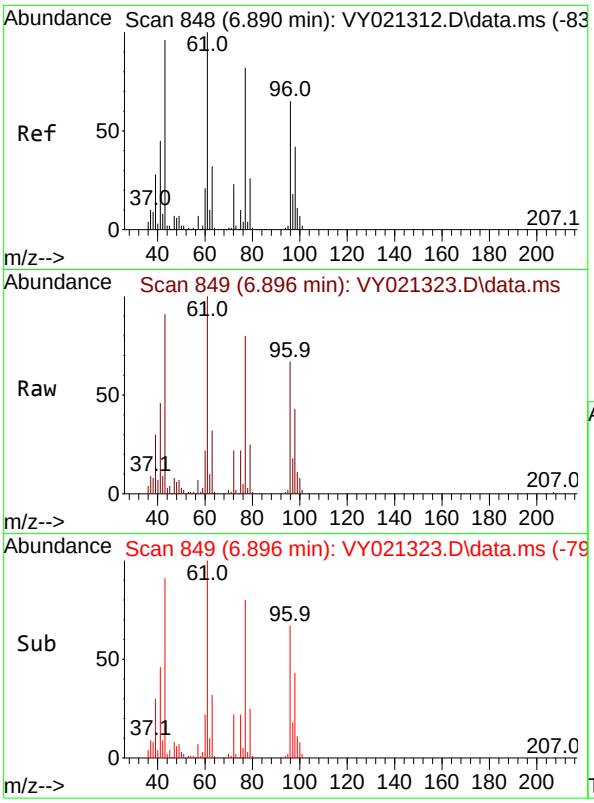




#24
1,1-Dichloroethane
Concen: 19.476 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 63 Resp: 75455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.7 | 11.1 |
| 100 | 4.3 | 2.1 | 6.5 |



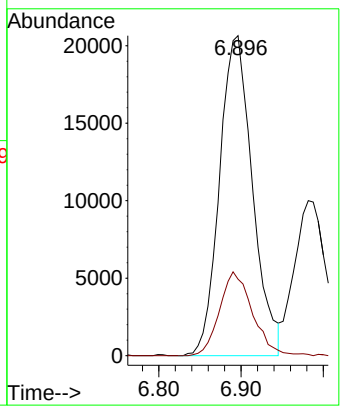


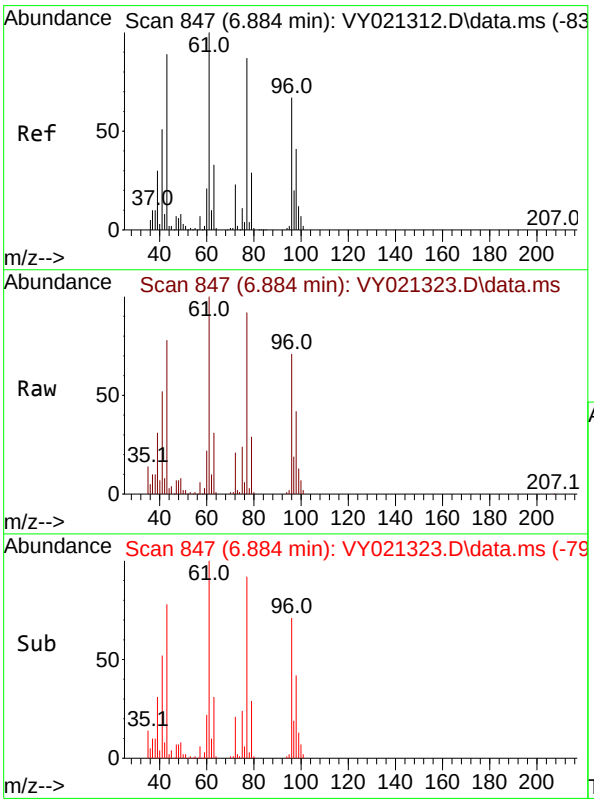

#25
2-Butanone
Concen: 94.416 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 43 Resp: 57737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.9 | 19.0 | 28.6 |

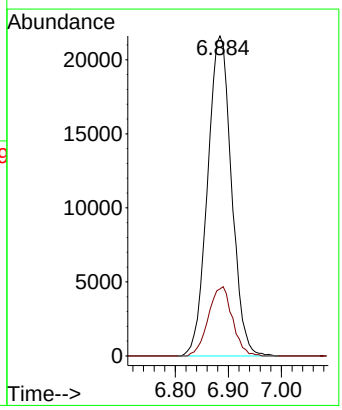


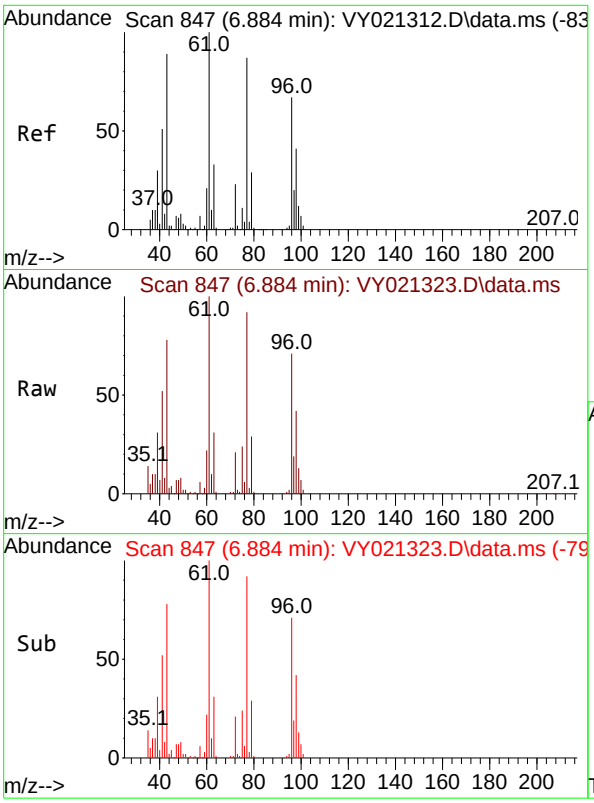




#26
2,2-Dichloropropane
Concen: 19.300 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 77 Resp: 67846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 10.9 | 32.7 |



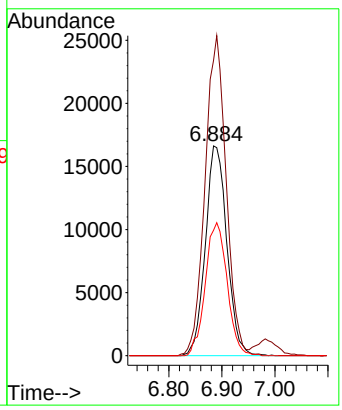


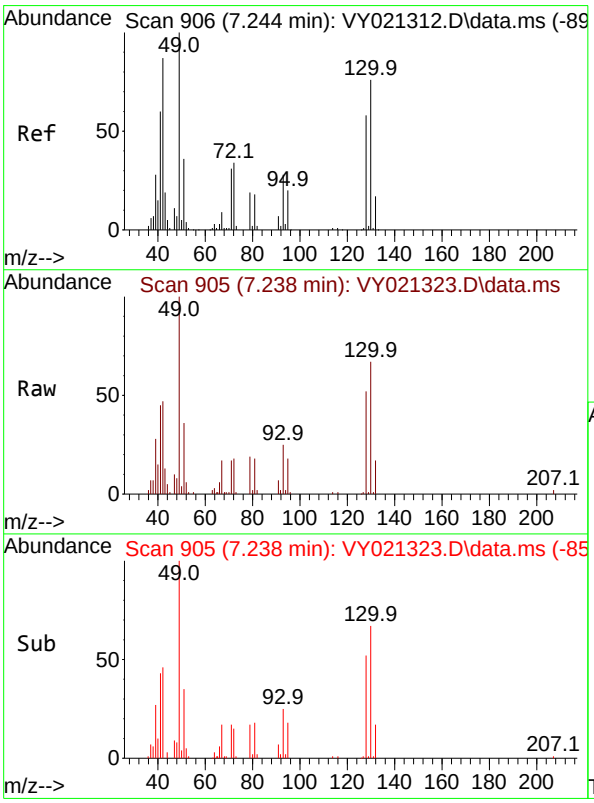

#27
cis-1,2-Dichloroethene
Concen: 19.905 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 96 Resp: 46880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.0 | 0.0 | 308.0 |
| 98 | 64.4 | 0.0 | 129.6 |

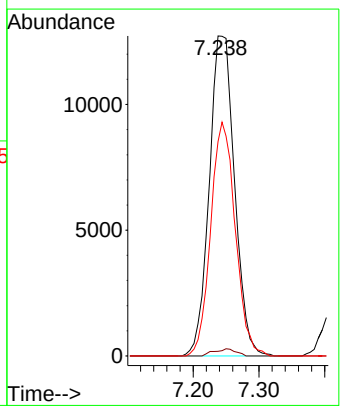


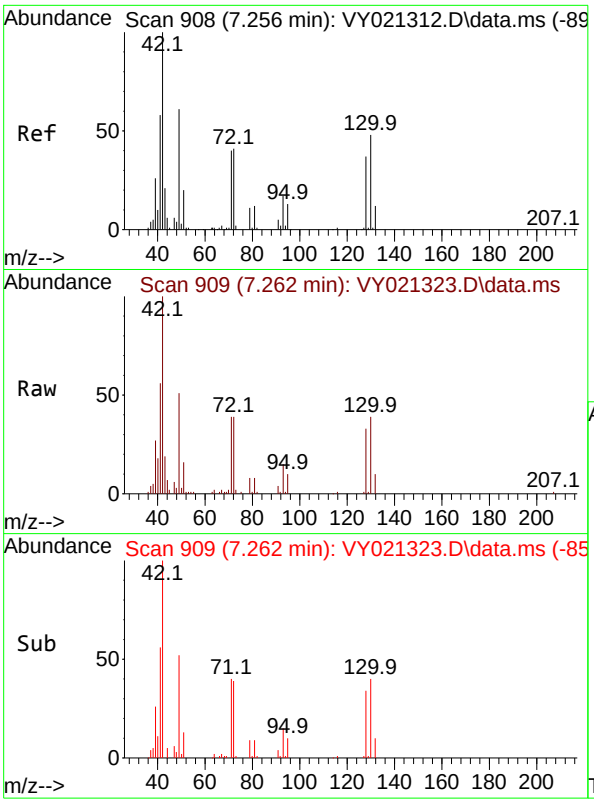




#28
Bromochloromethane
Concen: 19.882 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 49 Resp: 34082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.0 |
| 130 | 71.0 | 57.8 | 86.6 |



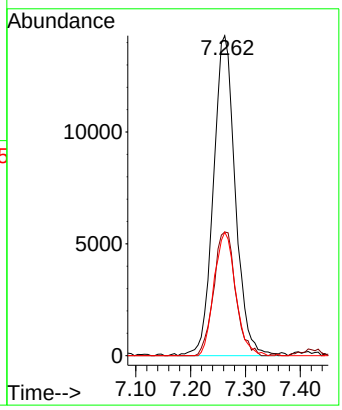


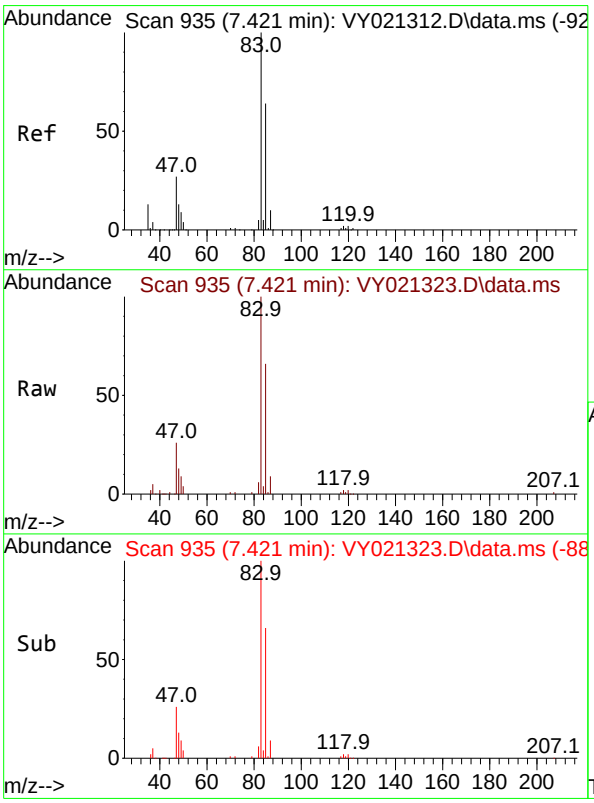

#29
Tetrahydrofuran
Concen: 99.167 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 42 Resp: 39639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 39.0 | 33.1 | 49.7 |
| 71 | 37.9 | 31.4 | 47.0 |

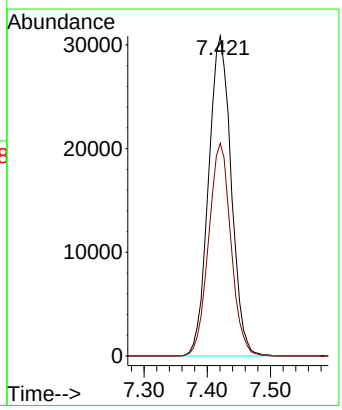


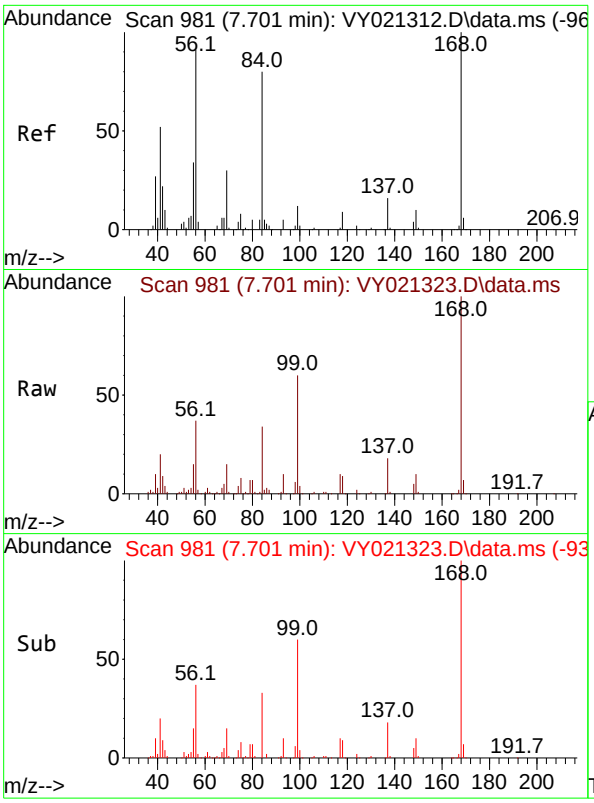




#30
Chloroform
Concen: 19.537 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 83 Resp: 76696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.4 | 51.6 | 77.4 |



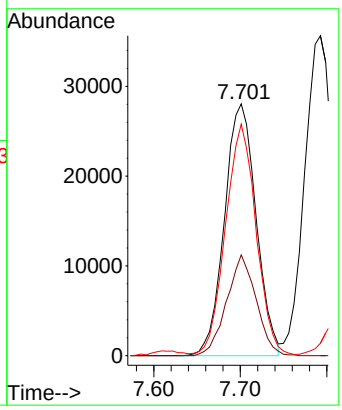


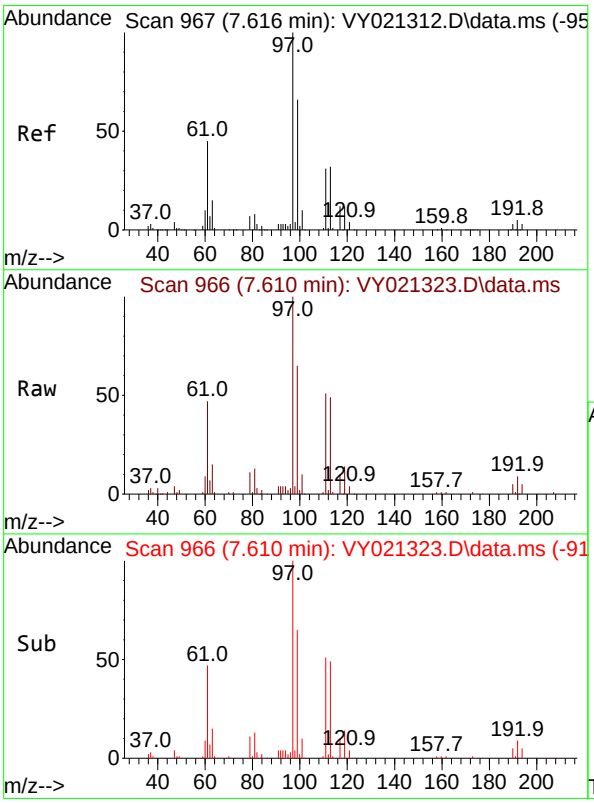

#31
Cyclohexane
Concen: 19.104 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 56 Resp: 71145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 40.1 | 26.2 | 39.4# |
| 84 | 90.8 | 70.2 | 105.4 |

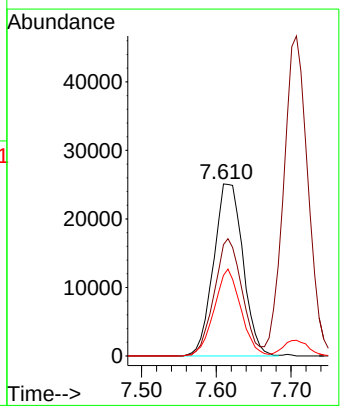


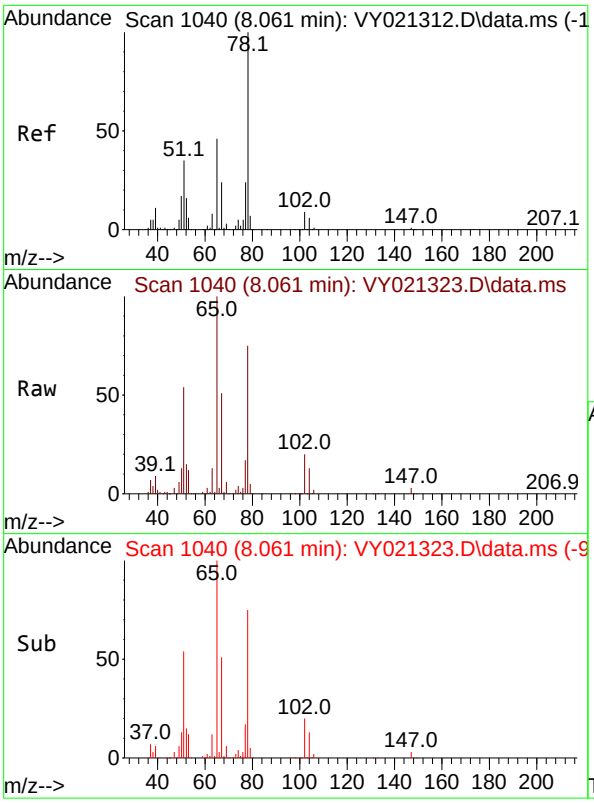




#32
1,1,1-Trichloroethane
Concen: 19.226 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 97 Resp: 68700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.0 | 52.4 | 78.6 |
| 61 | 45.9 | 36.2 | 54.2 |



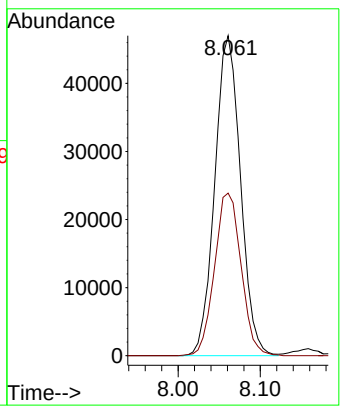


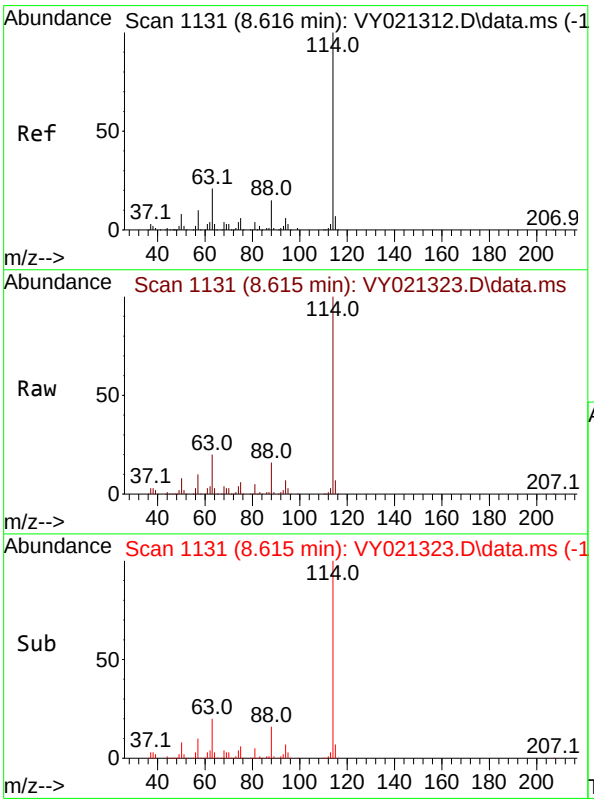

#33
1,2-Dichloroethane-d4
Concen: 48.451 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 65 Resp: 102341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 103.6 |

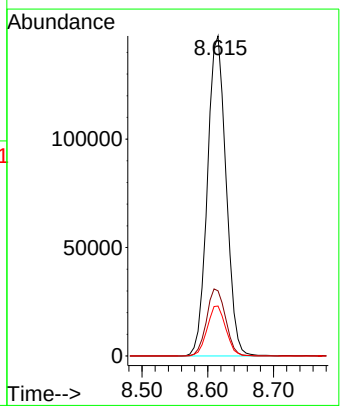


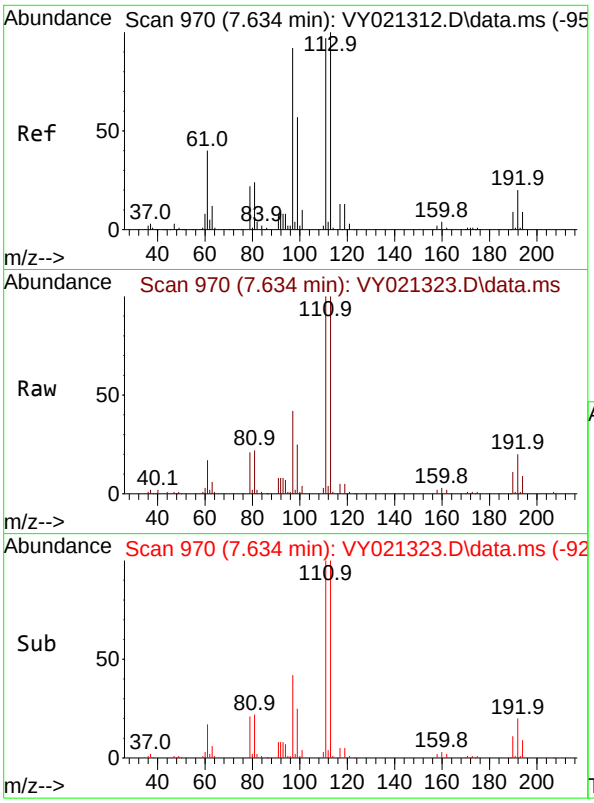




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:114 Resp: 292071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 42.2 |
| 88 | 15.6 | 0.0 | 29.8 |



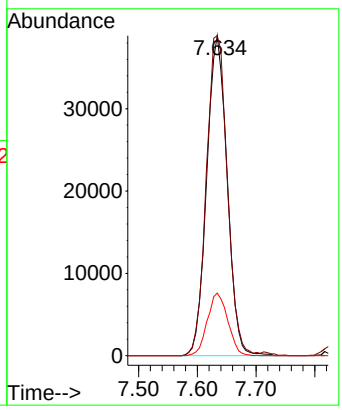


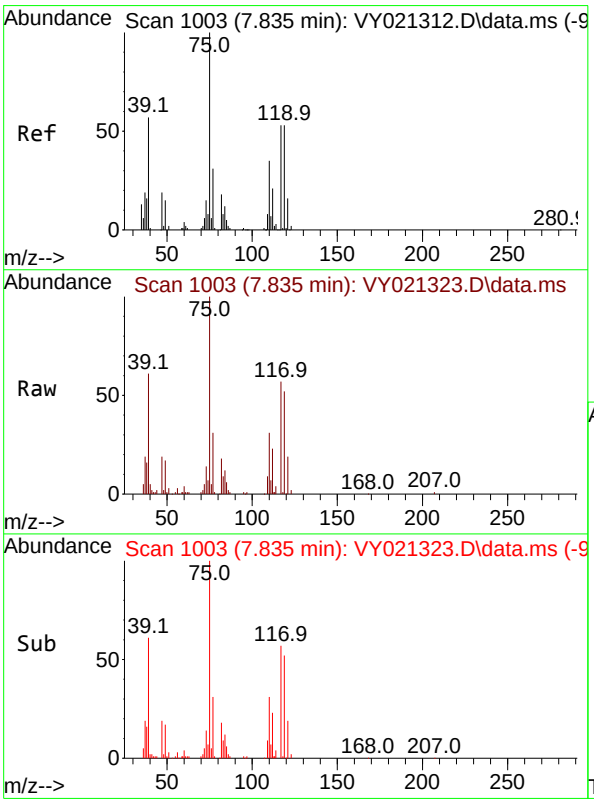

#35
Dibromofluoromethane
Concen: 49.120 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:113 Resp: 94057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 81.0 | 121.6 |
| 192 | 19.6 | 15.8 | 23.8 |

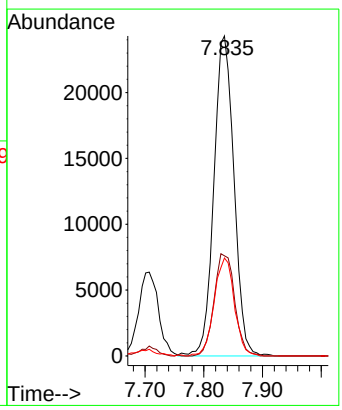


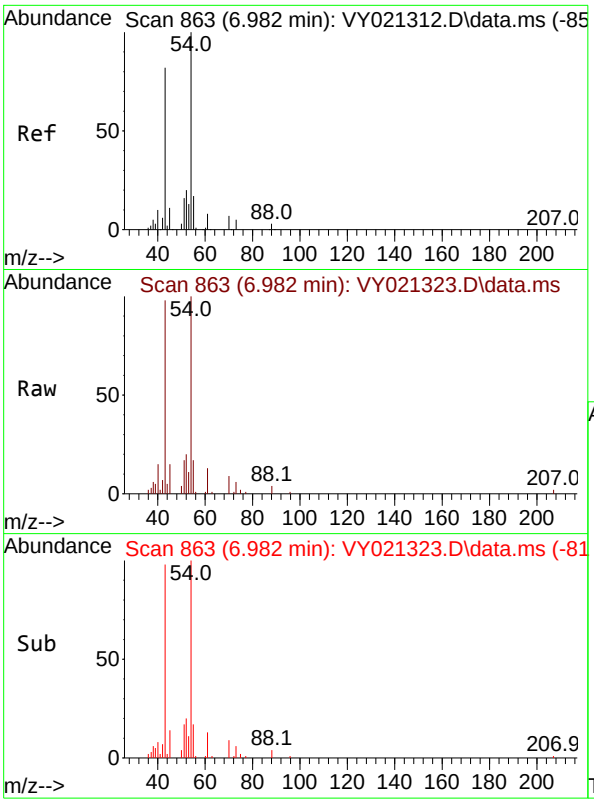




#36
1,1-Dichloropropene
Concen: 20.043 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 57651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.9 | 16.9 | 50.7 |
| 77 | 30.8 | 24.6 | 36.8 |



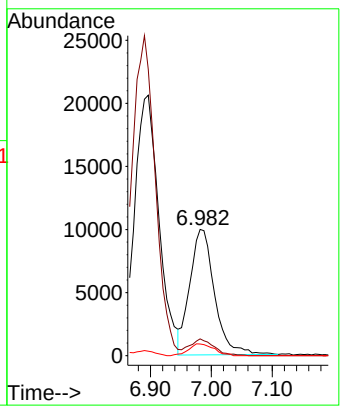


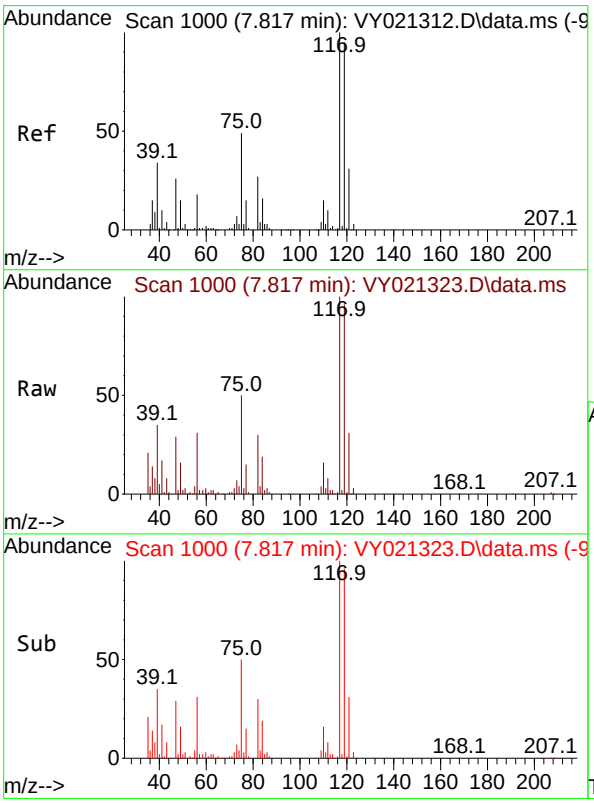

#37
Ethyl Acetate
Concen: 19.665 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 43 Resp: 28136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 10.4 | 15.6 |
| 70 | 9.5 | 7.5 | 11.3 |

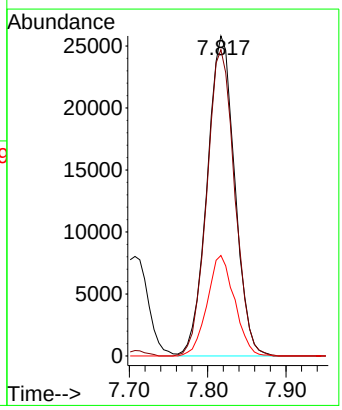


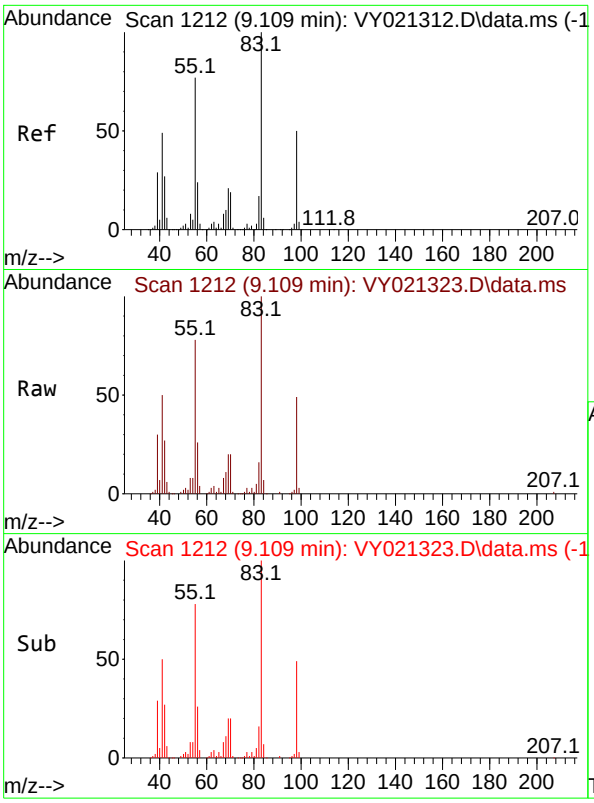




#38
Carbon Tetrachloride
Concen: 19.587 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:117 Resp: 63336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 76.0 | 114.0 |
| 121 | 31.4 | 24.9 | 37.3 |



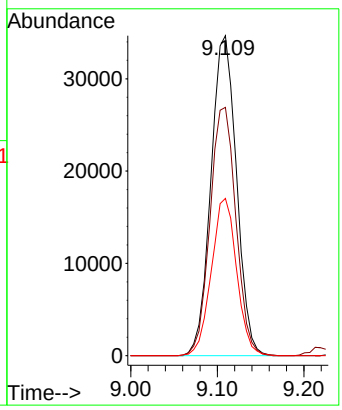


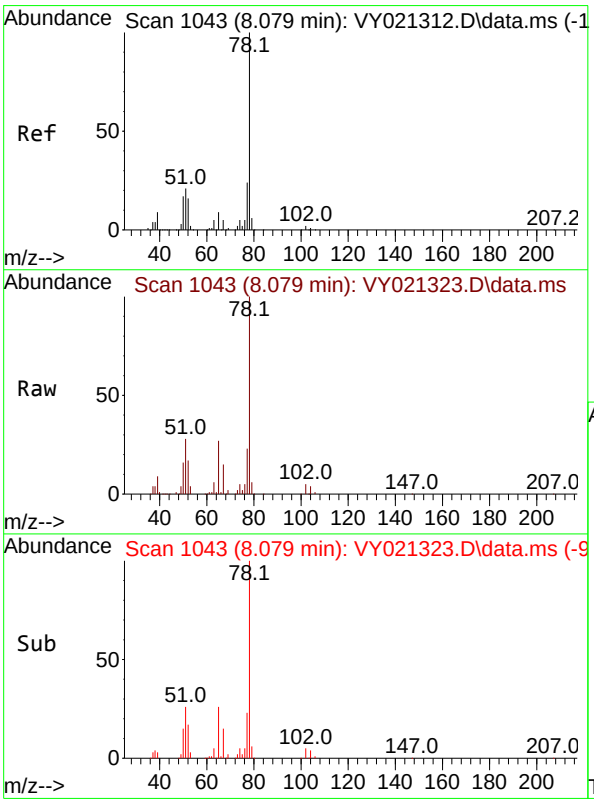

#39
Methylcyclohexane
Concen: 19.543 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 83 Resp: 71099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.6 | 61.3 | 91.9 |
| 98 | 49.2 | 39.9 | 59.9 |

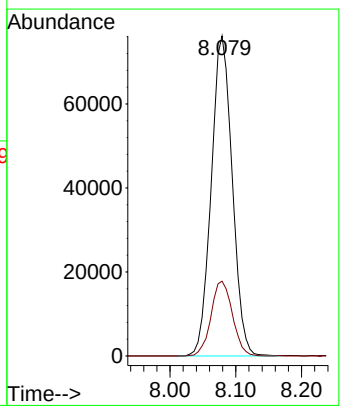


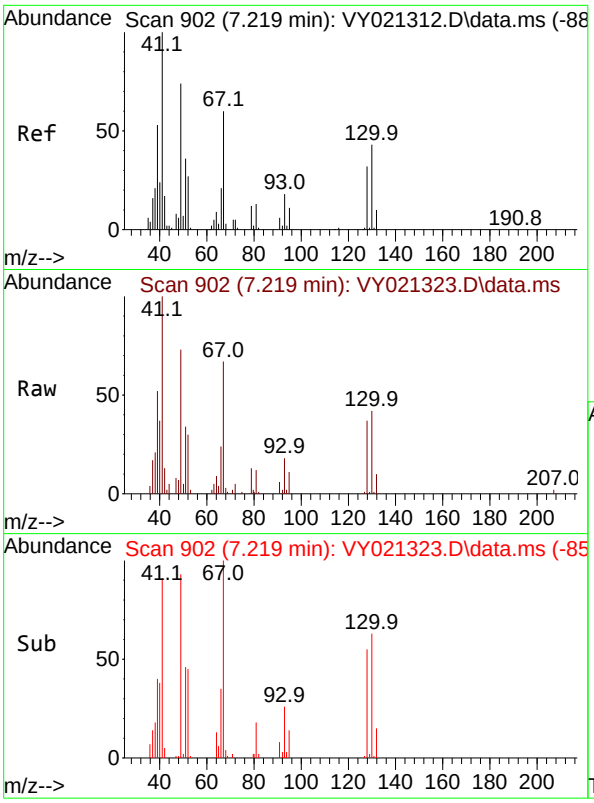




#40
Benzene
Concen: 19.922 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 78 Resp: 169384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.4 | 19.2 | 28.8 |



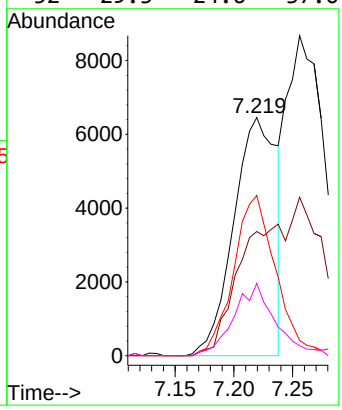


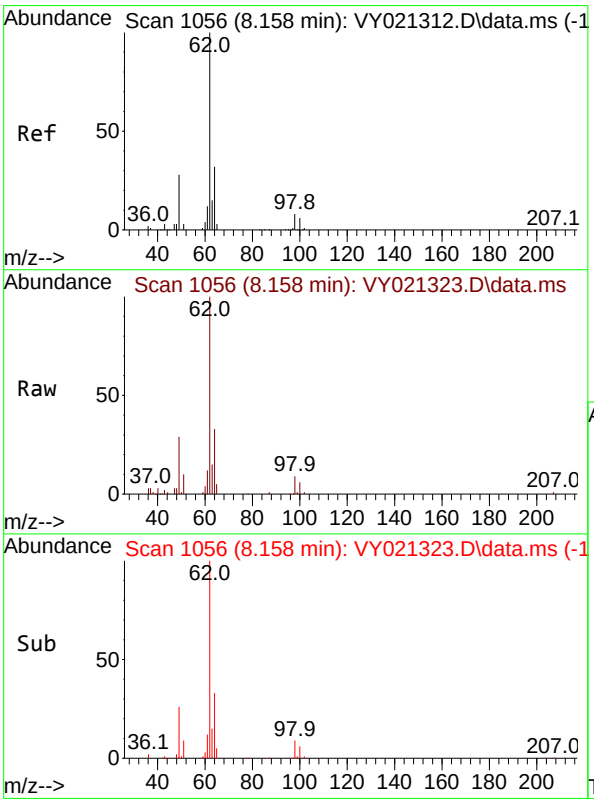

#41
Methacrylonitrile
Concen: 20.455 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 41 Resp: 16363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 42.3 | 63.5# |
| 67 | 66.9 | 54.8 | 82.2 |
| 52 | 29.3 | 24.6 | 37.0 |

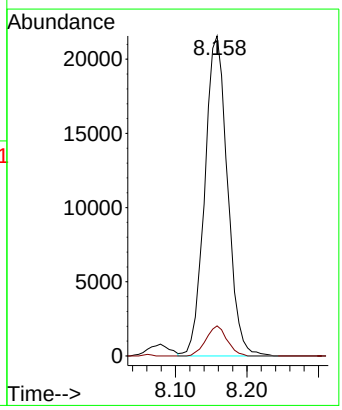


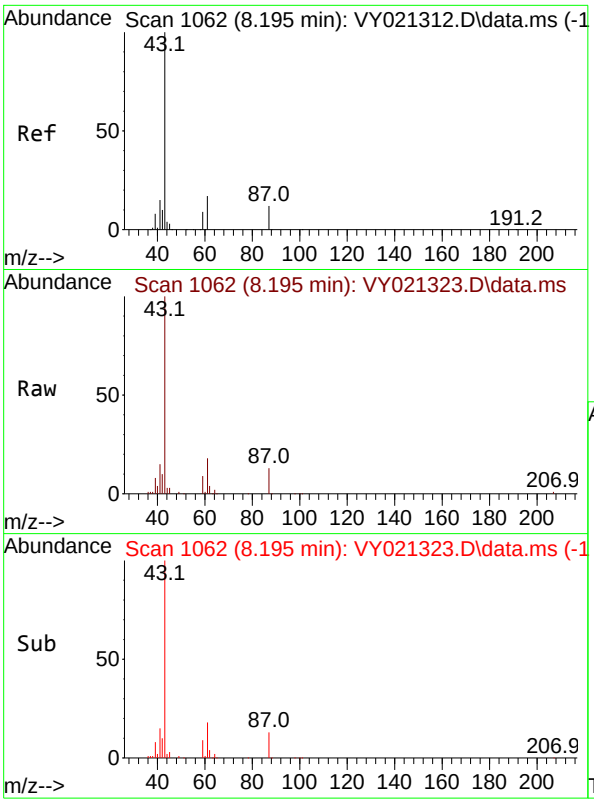




#42
1,2-Dichloroethane
Concen: 19.718 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 62 Resp: 47566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.6 |



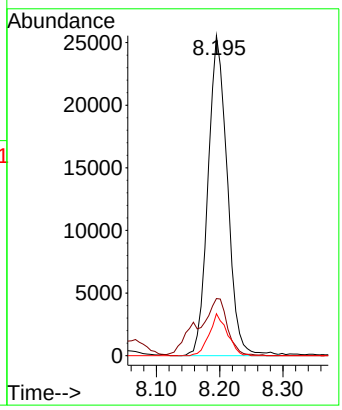


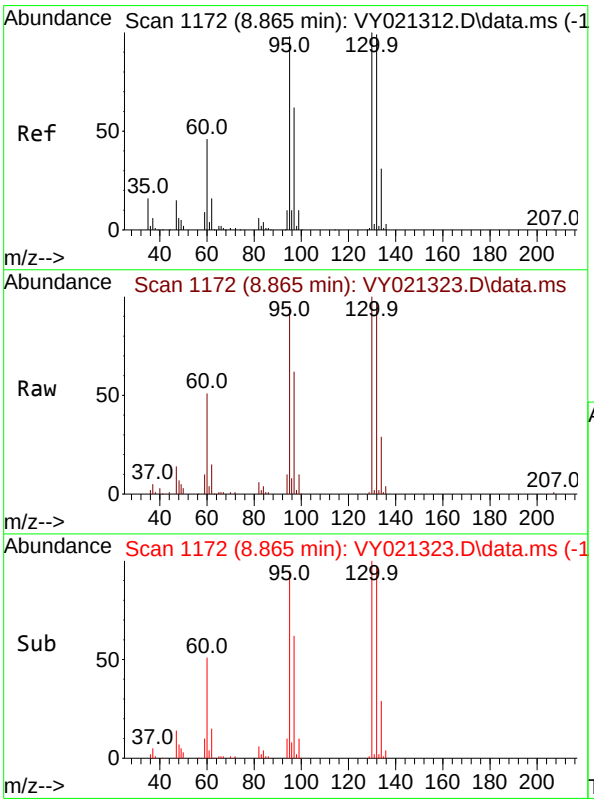

#43
Isopropyl Acetate
Concen: 19.618 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 43 Resp: 54330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.5 | 15.0 | 22.6 |
| 87 | 12.2 | 10.0 | 15.0 |

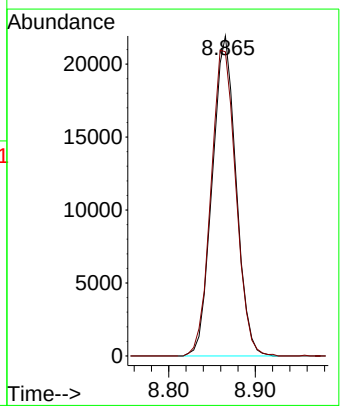


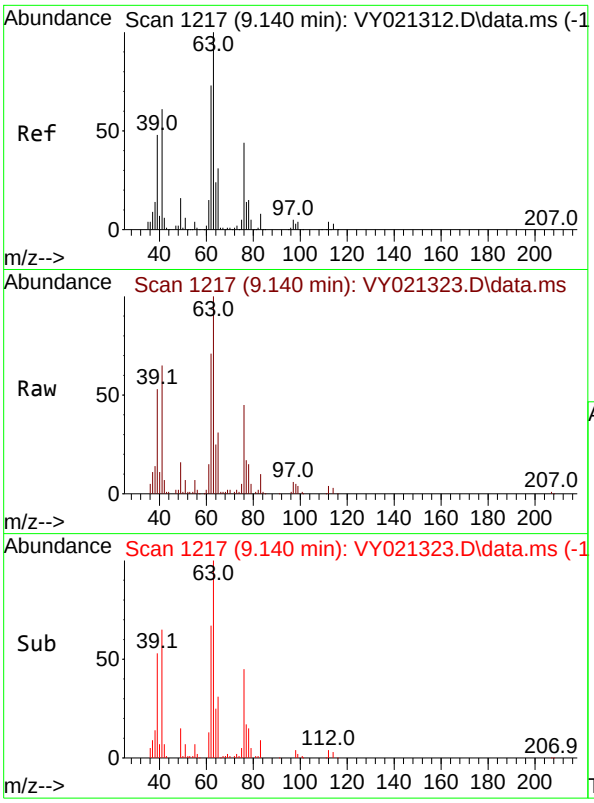




#44
Trichloroethene
Concen: 19.638 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:130 Resp: 41805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.1 | 0.0 | 196.0 |



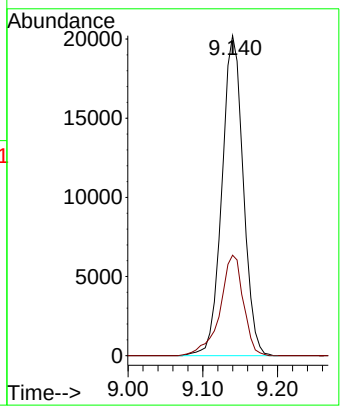


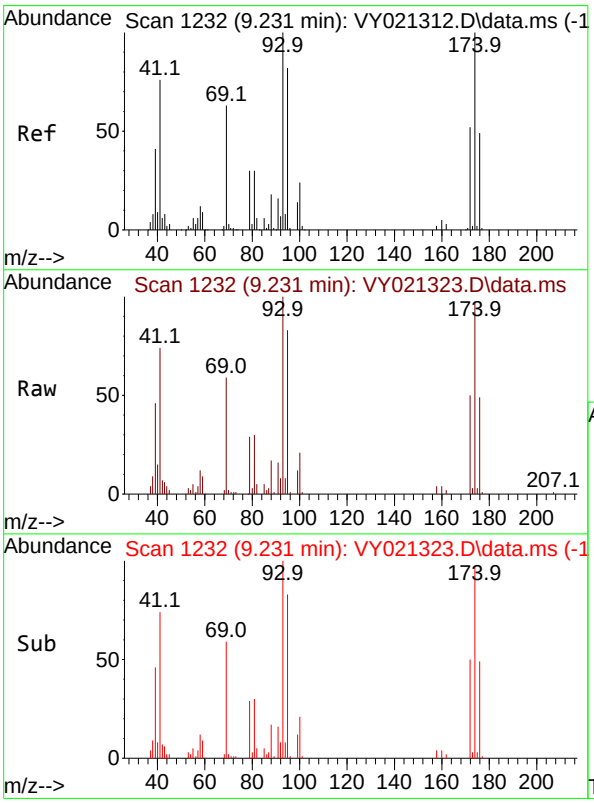

#45
1,2-Dichloropropane
Concen: 19.592 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 63 Resp: 40089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 24.6 | 36.8 |

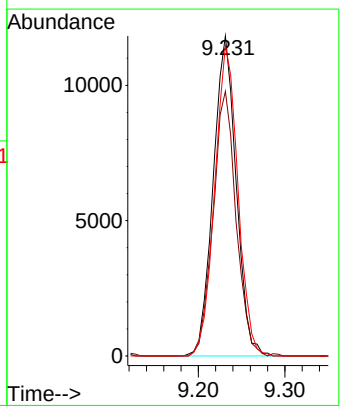


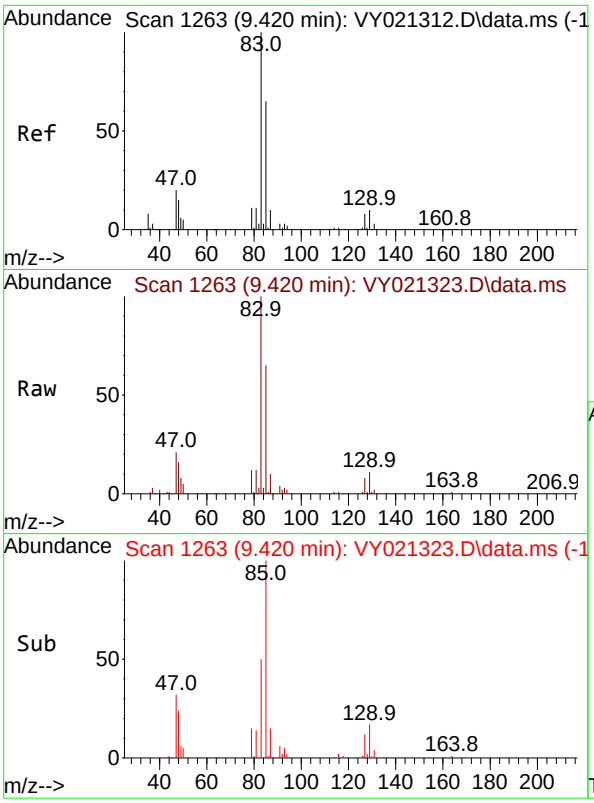




#46
Dibromomethane
Concen: 19.425 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 93 Resp: 21727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.6 | 66.4 | 99.6 |
| 174 | 97.9 | 78.2 | 117.2 |



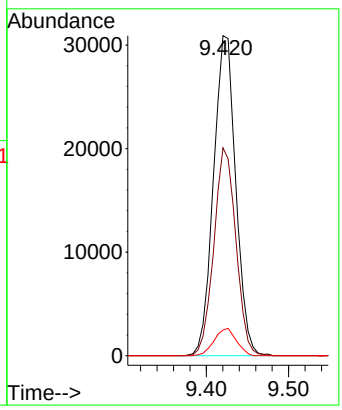


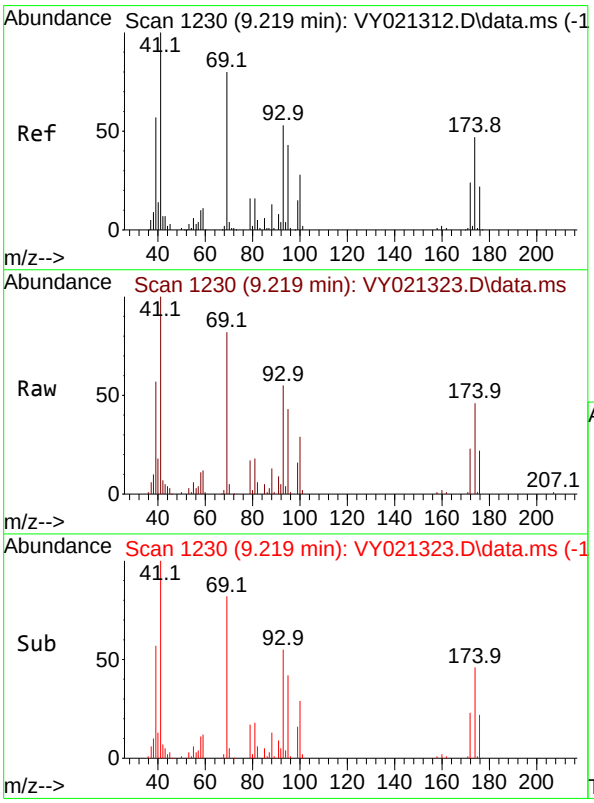

#47
Bromodichloromethane
Concen: 19.487 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 83 Resp: 58116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 51.8 | 77.8 |
| 127 | 8.0 | 6.7 | 10.1 |

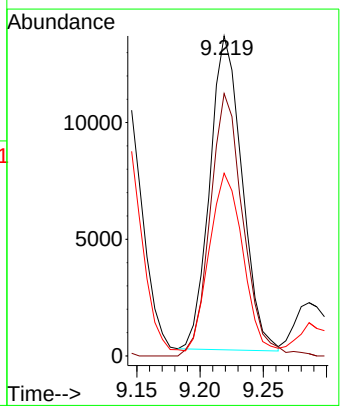


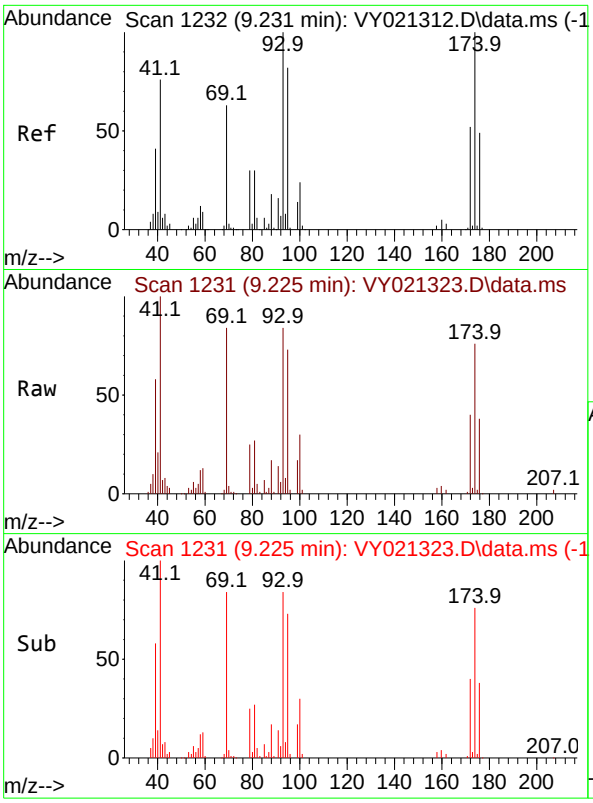




#48
Methyl methacrylate
Concen: 18.368 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 41 Resp: 23787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 85.5 | 63.3 | 94.9 |
| 39 | 58.8 | 45.0 | 67.6 |



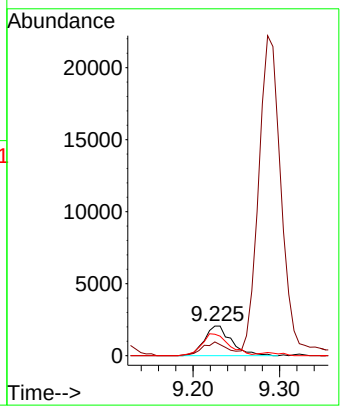


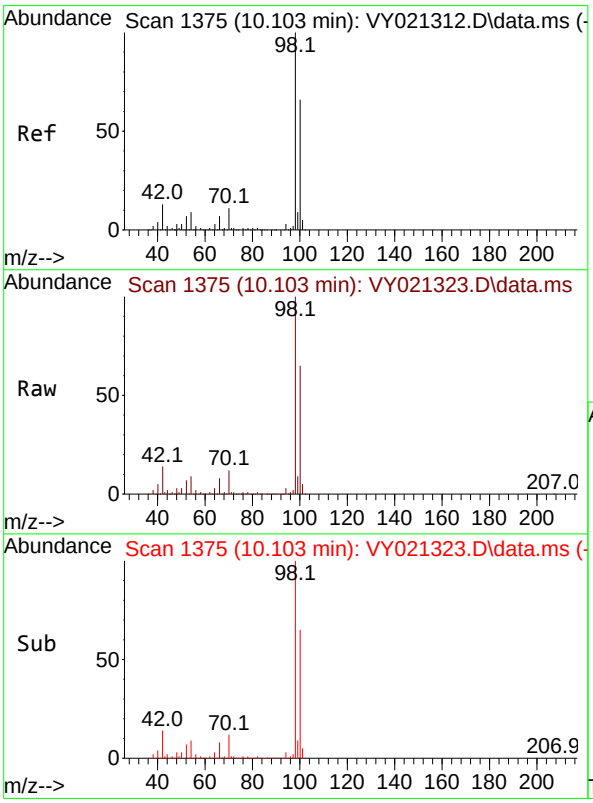

#49
1,4-Dioxane
Concen: 358.943 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 88 Resp: 4464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.5 | 34.8 | 52.2 |
| 58 | 74.4 | 59.8 | 89.6 |

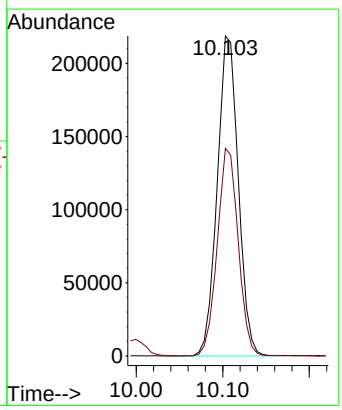


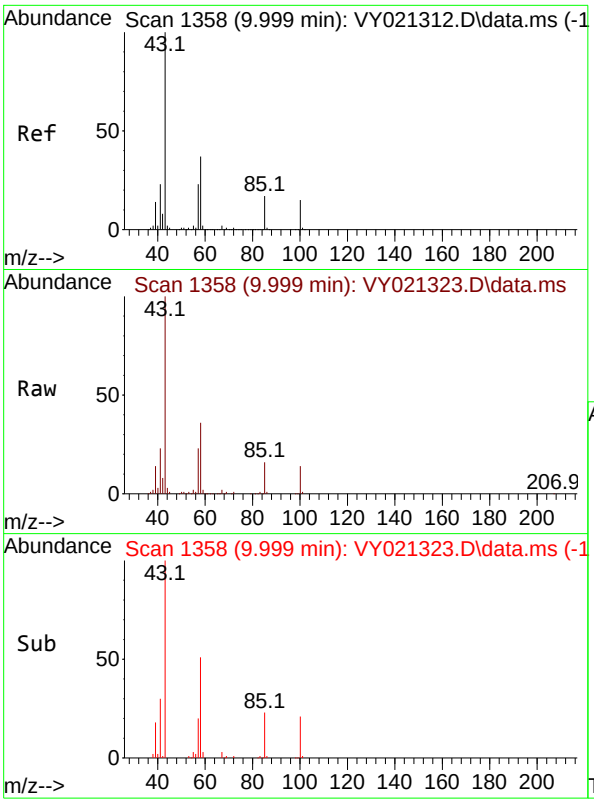




#50
Toluene-d8
Concen: 49.924 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 98 Resp: 369458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 52.4 | 78.6 |



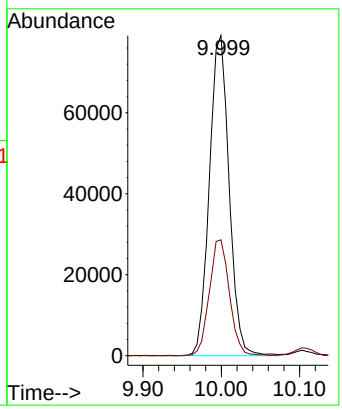


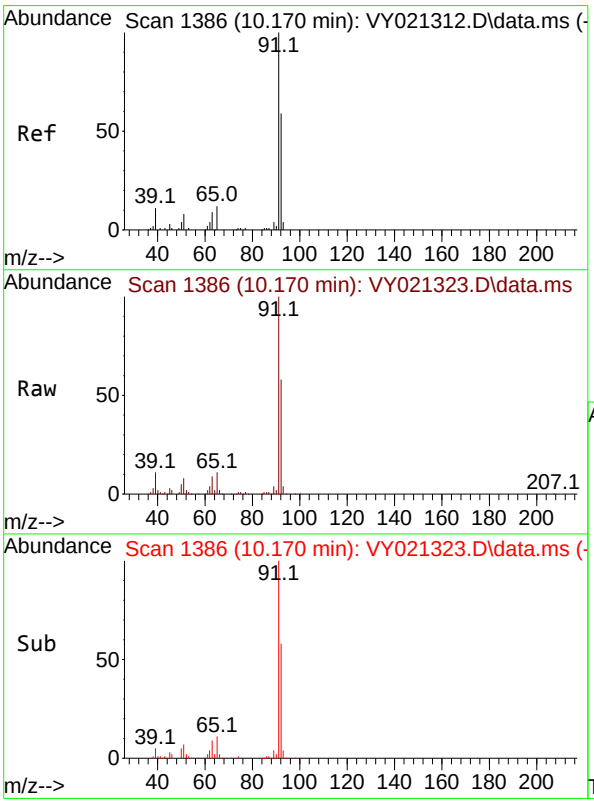

#51
4-Methyl-2-Pentanone
Concen: 97.751 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 43 Resp: 138572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 30.1 | 45.1 |

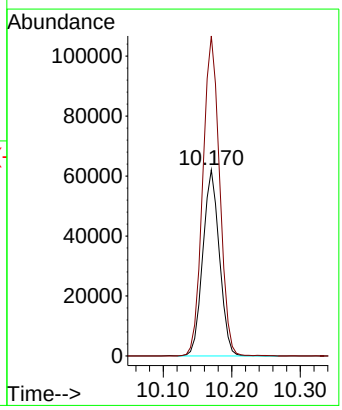


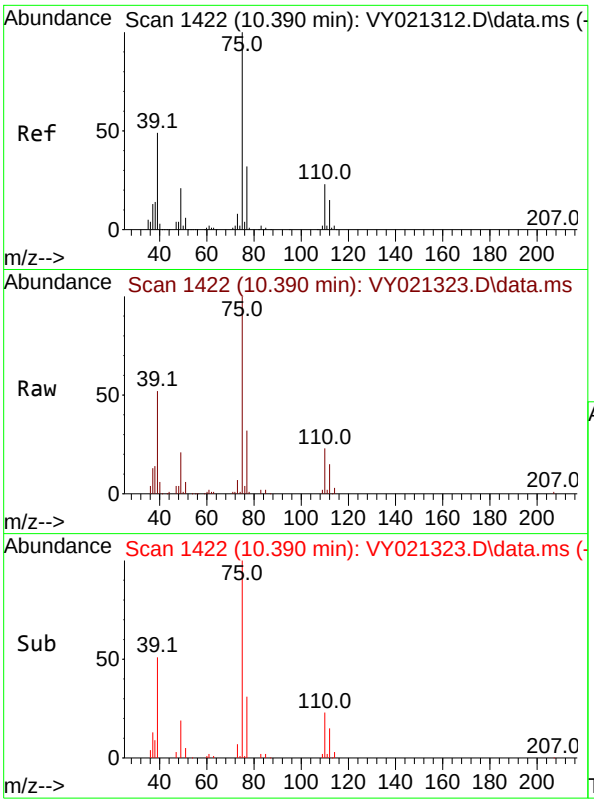




#52
Toluene
Concen: 19.738 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 92 Resp: 104255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.9 | 137.8 | 206.8 |



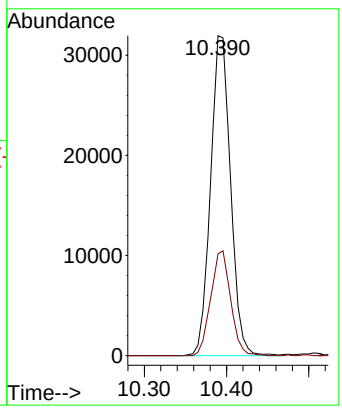


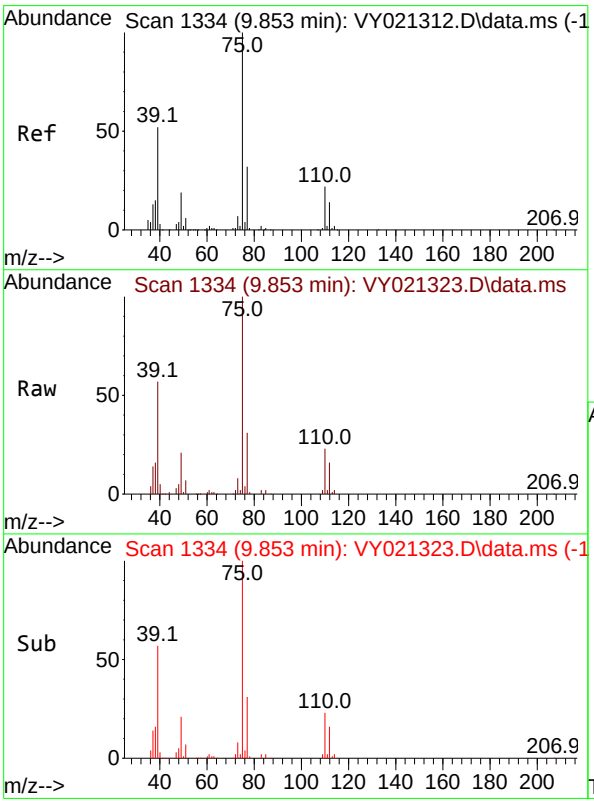

#53
t-1,3-Dichloropropene
Concen: 19.755 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 75 Resp: 53978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.3 | 37.9 |

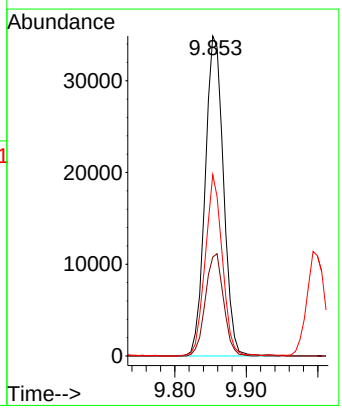


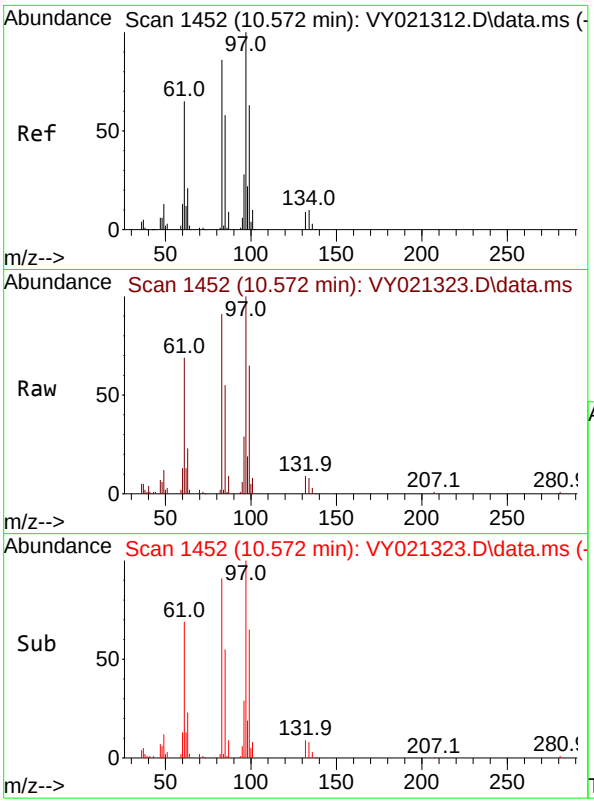




#54
cis-1,3-Dichloropropene
Concen: 19.260 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 62124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.7 | 38.5 |
| 39 | 56.7 | 41.8 | 62.6 |



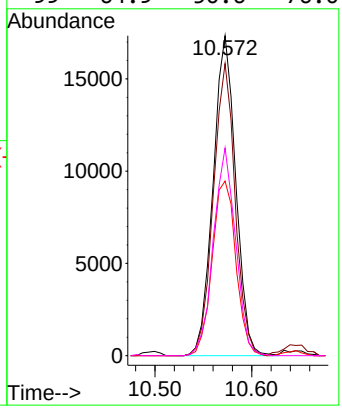


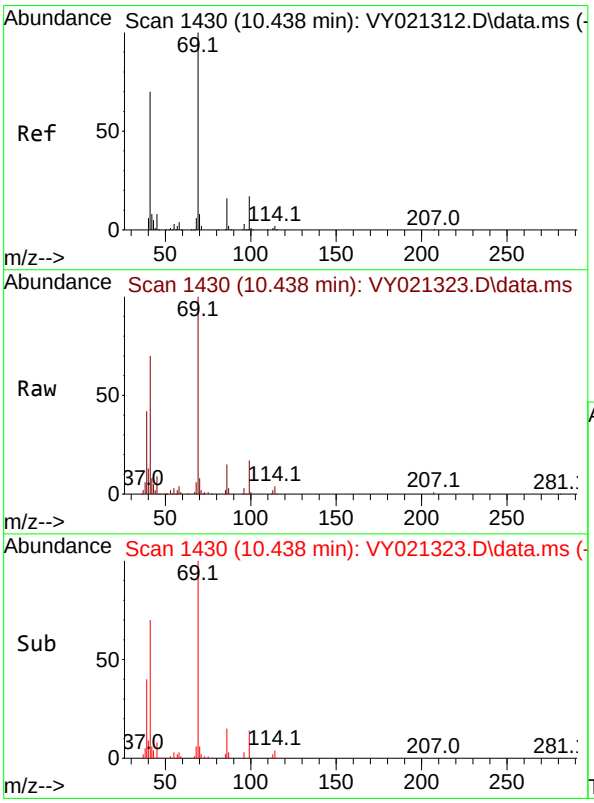

#55
1,1,2-Trichloroethane
Concen: 19.373 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 97 Resp: 28227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 91.3 | 68.7 | 103.1 |
| 85 | 54.5 | 46.3 | 69.5 |
| 99 | 64.9 | 50.6 | 76.0 |

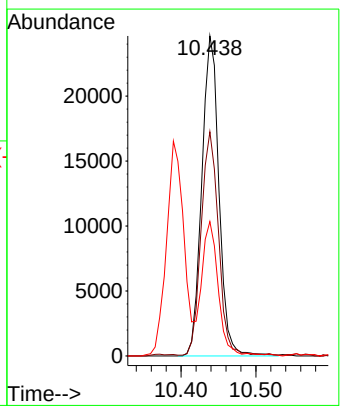


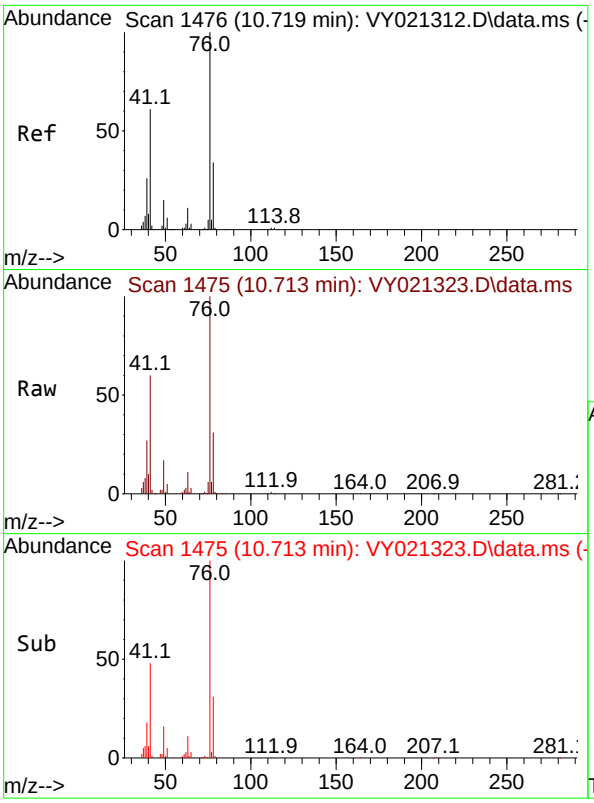




#56
Ethyl methacrylate
Concen: 19.530 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 69 Resp: 39319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.5 | 56.2 | 84.4 |
| 39 | 41.9 | 32.7 | 49.1 |



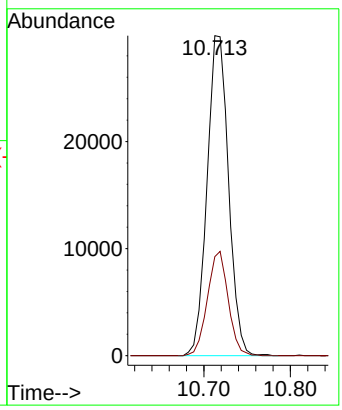


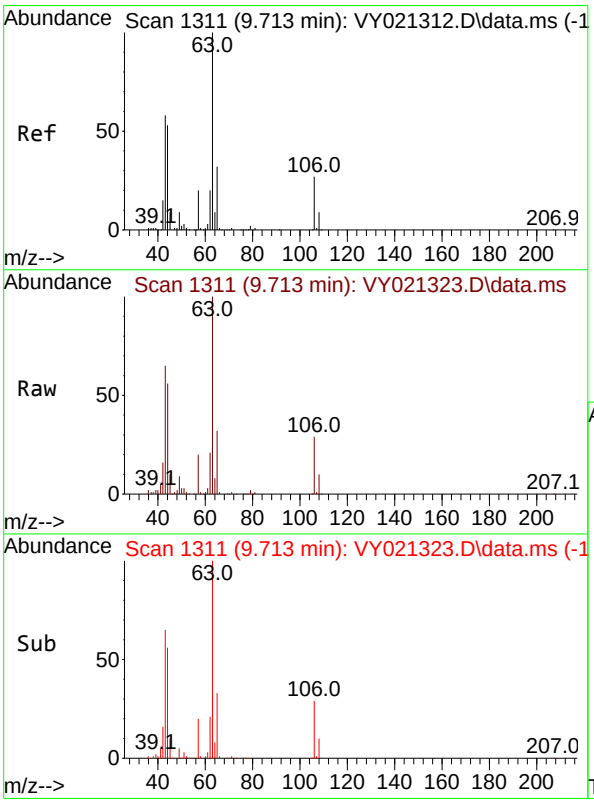

#57
1,3-Dichloropropane
Concen: 20.102 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 76 Resp: 51397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.5 | 25.9 | 38.9 |

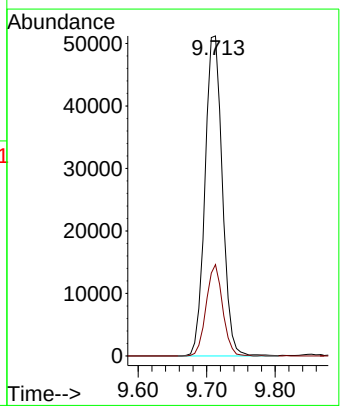


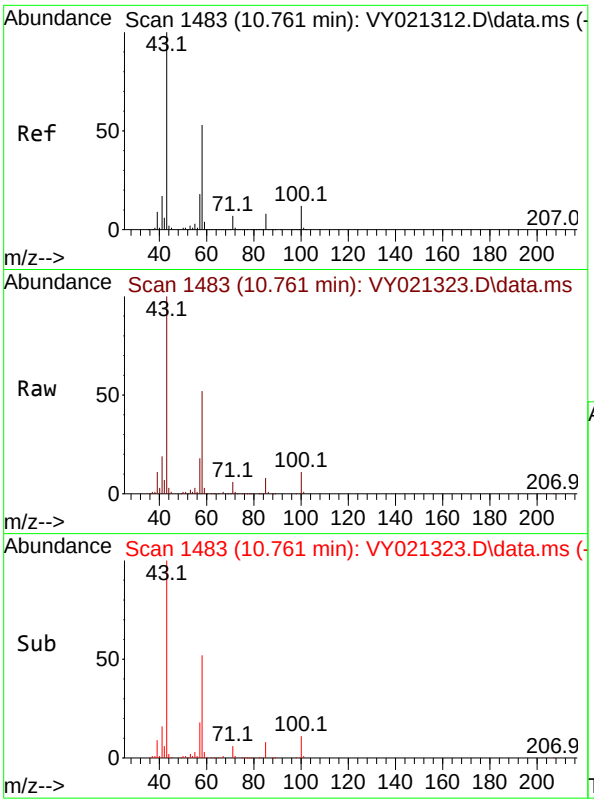




#58
2-Chloroethyl Vinyl ether
Concen: 93.158 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 63 Resp: 90024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.1 | 21.7 | 32.5 |



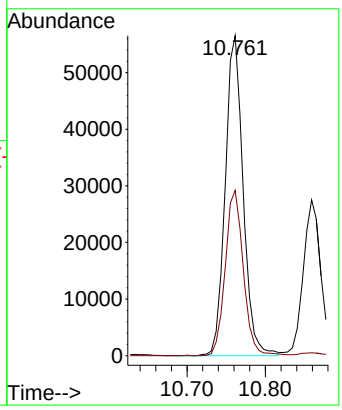


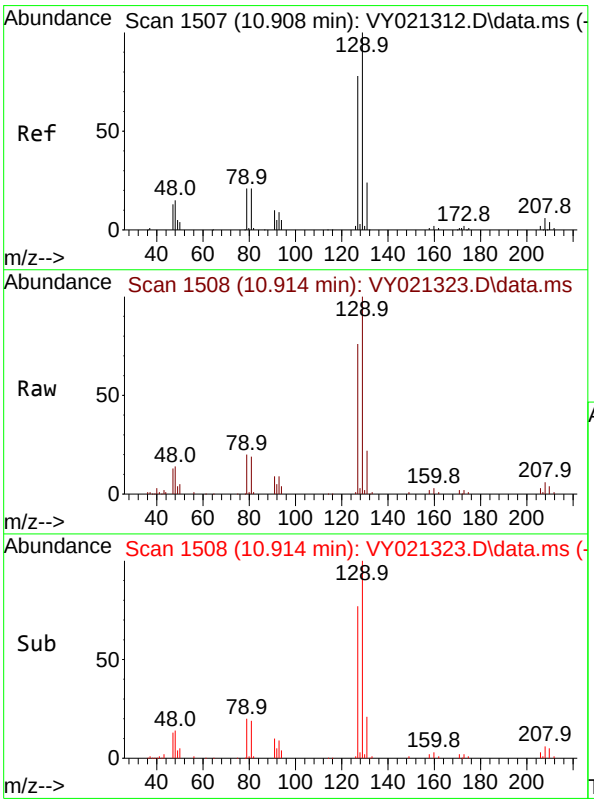

#59
2-Hexanone
Concen: 96.524 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 43 Resp: 89865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.2 | 25.9 | 77.6 |

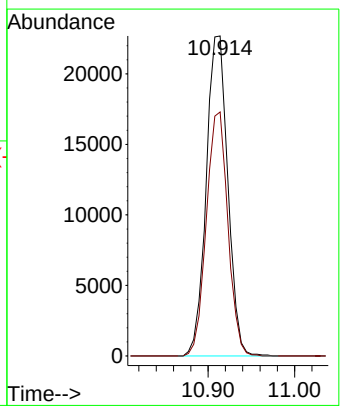


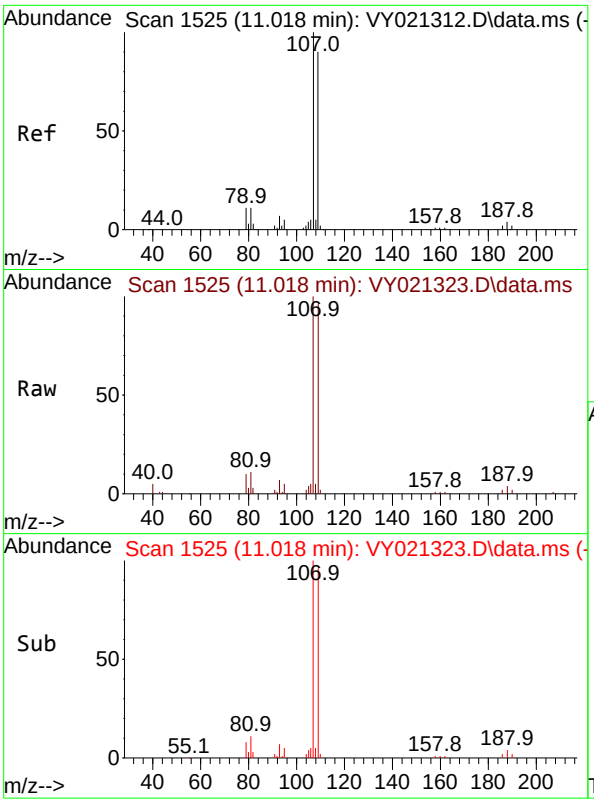




#60
Dibromochloromethane
Concen: 19.790 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:129 Resp: 39272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.0 | 38.8 | 116.4 |



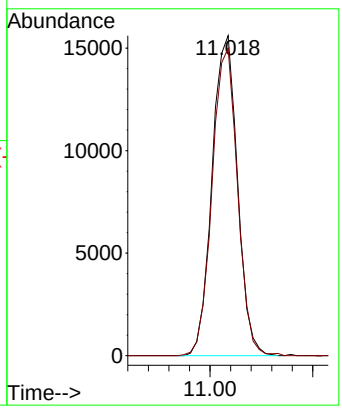


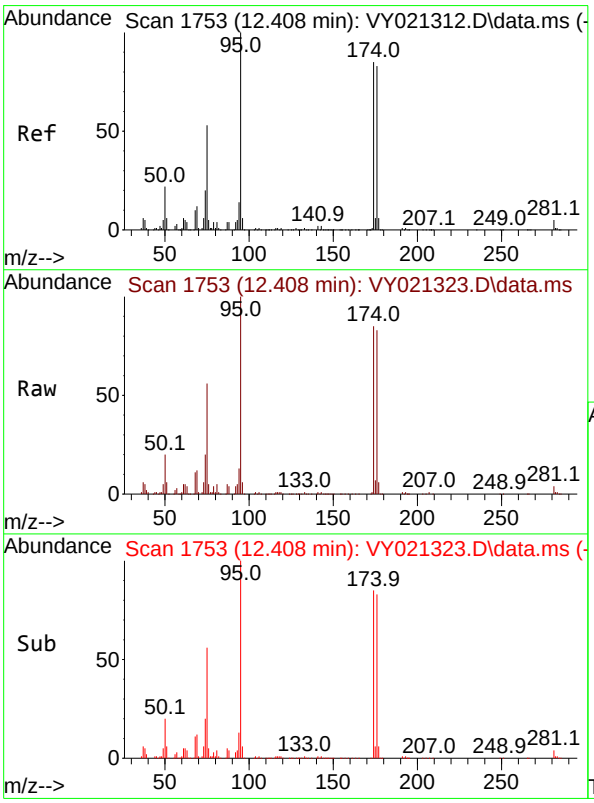

#61
1,2-Dibromoethane
Concen: 19.365 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:107 Resp: 26713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.3 | 73.8 | 110.8 |

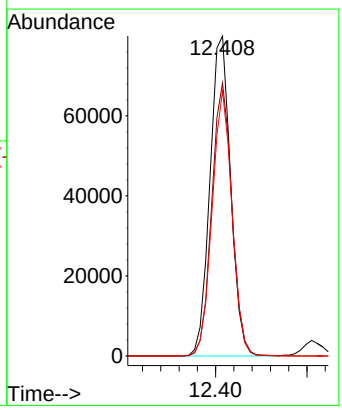


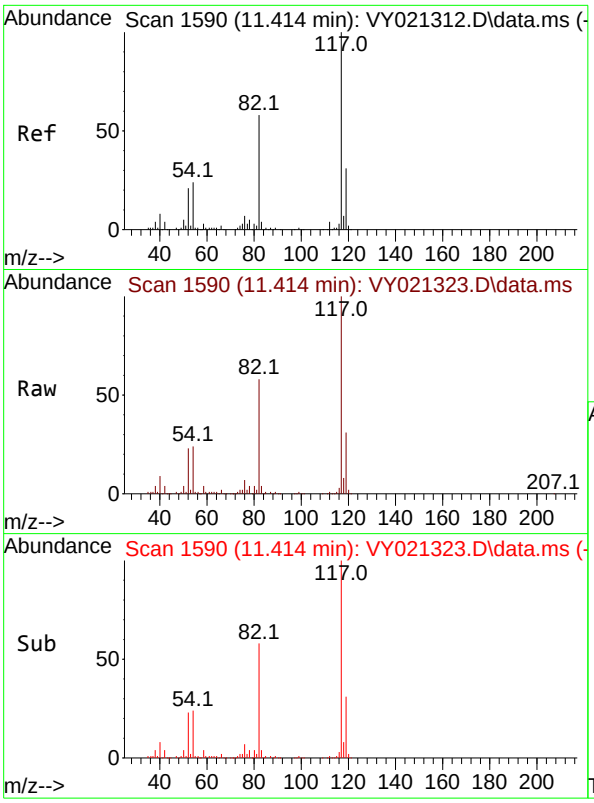




#62
4-Bromofluorobenzene
Concen: 50.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 95 Resp: 125203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.6 | 0.0 | 168.0 |
| 176 | 79.9 | 0.0 | 162.6 |



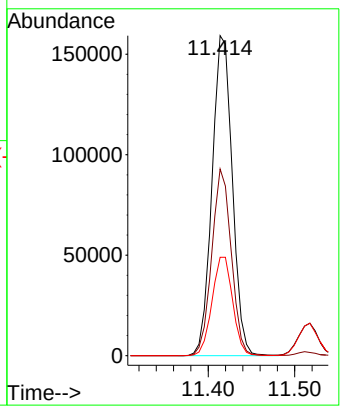


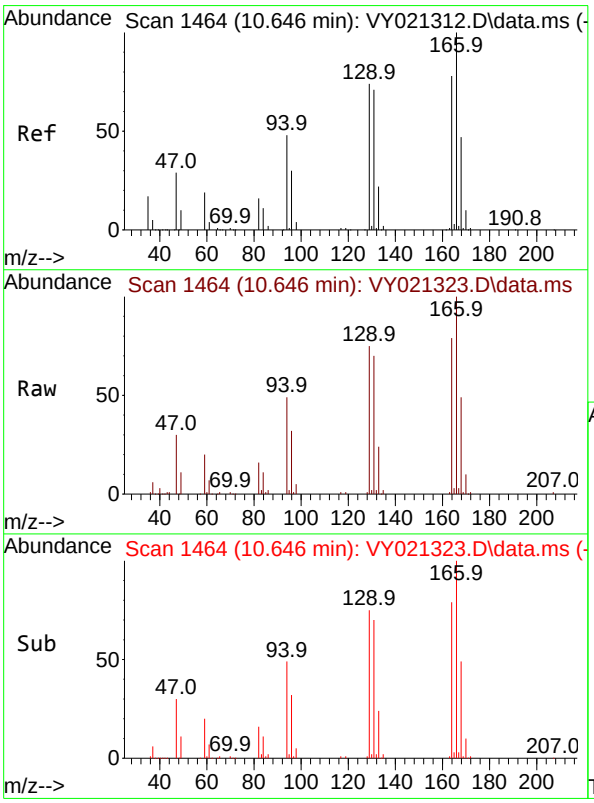

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:117 Resp: 258744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.3 | 46.2 | 69.4 |
| 119 | 30.8 | 24.9 | 37.3 |

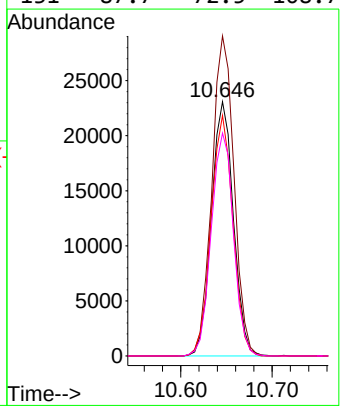


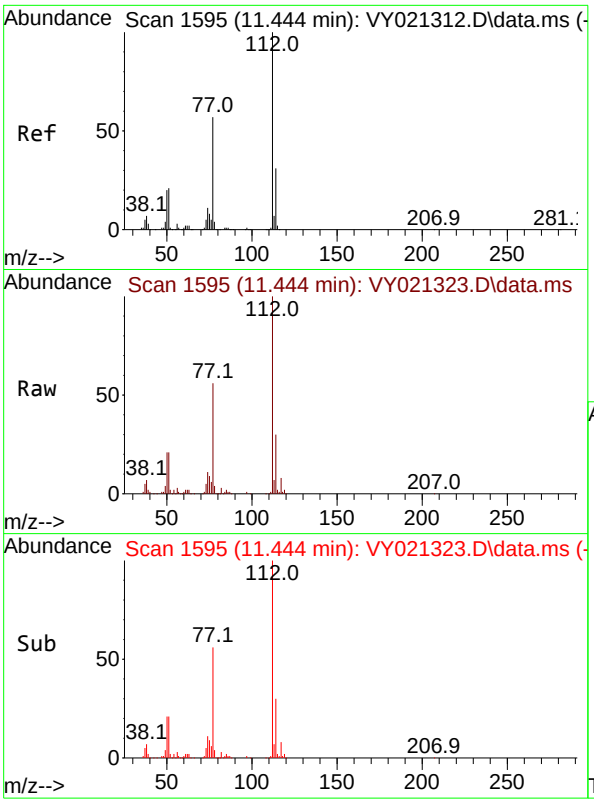




#64
Tetrachloroethene
Concen: 19.682 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:164 Resp: 38493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.9 | 101.9 | 152.9 |
| 129 | 94.6 | 75.5 | 113.3 |
| 131 | 87.7 | 72.5 | 108.7 |



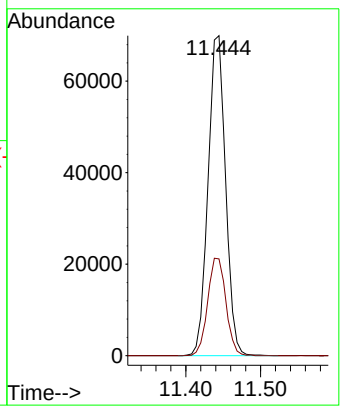


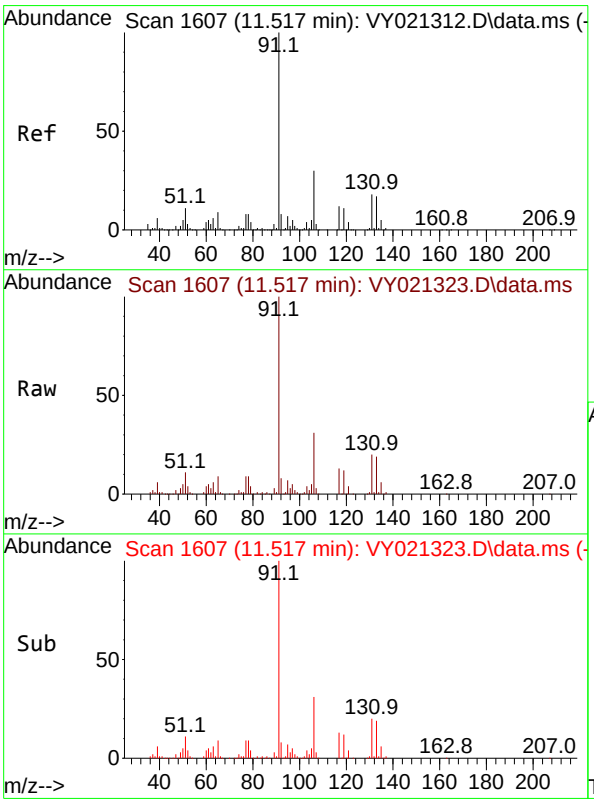

#65
Chlorobenzene
Concen: 19.597 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:112 Resp: 113821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.3 | 25.0 | 37.6 |

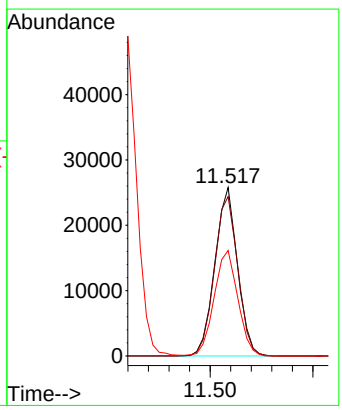


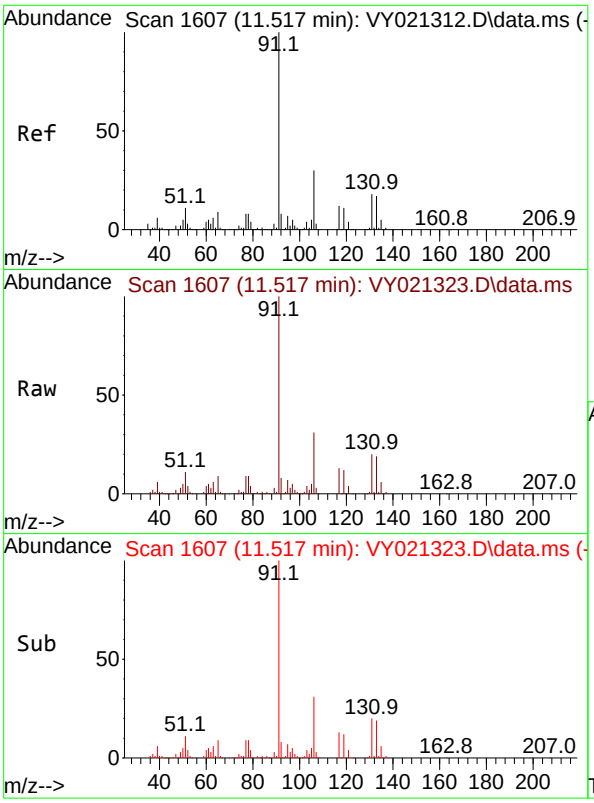




#66
1,1,1,2-Tetrachloroethane
Concen: 19.350 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:131 Resp: 39353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.7 | 47.9 | 143.6 |
| 119 | 65.6 | 31.7 | 95.1 |



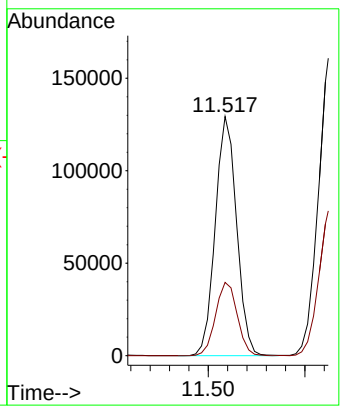


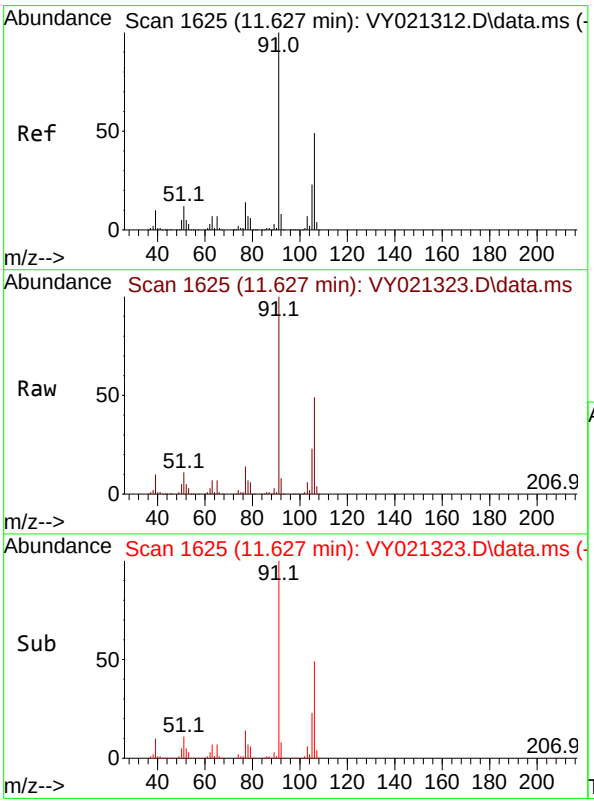

#67
Ethyl Benzene
Concen: 19.225 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 91 Resp: 197780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 24.4 | 36.6 |

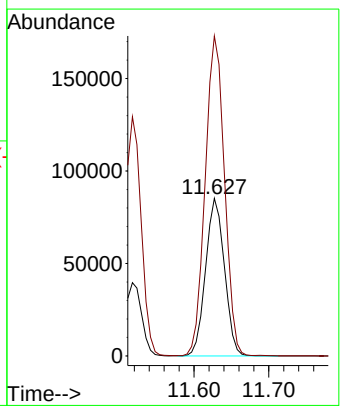


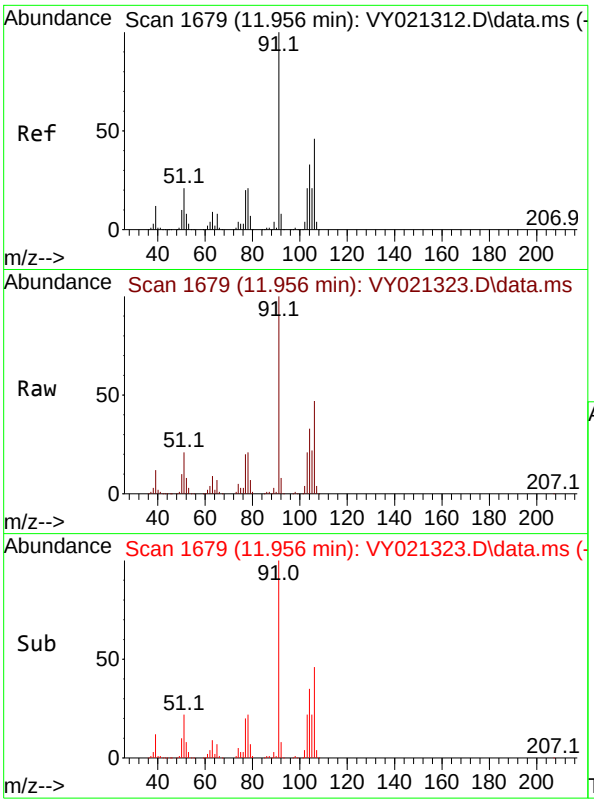




#68
m/p-Xylenes
Concen: 38.593 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:106 Resp: 149341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.6 | 163.9 | 245.9 |



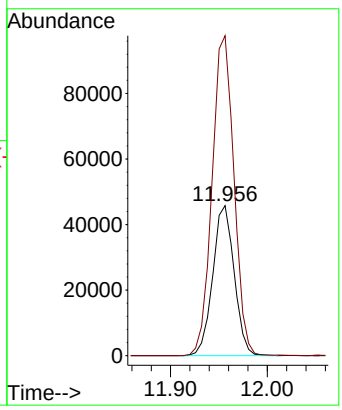


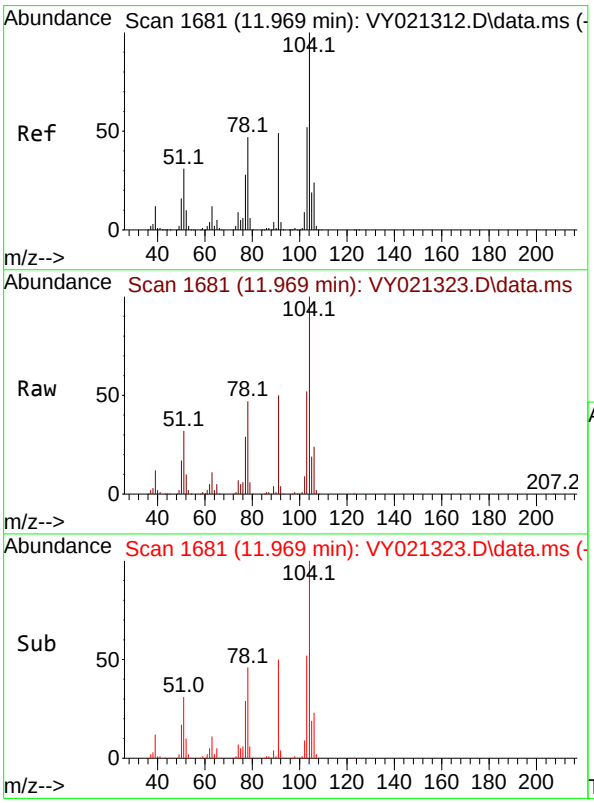

#69
o-Xylene
Concen: 19.444 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:106 Resp: 70486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.8 | 108.1 | 324.2 |

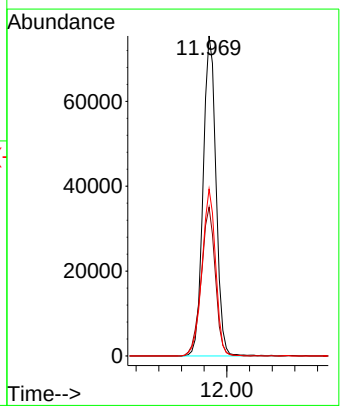


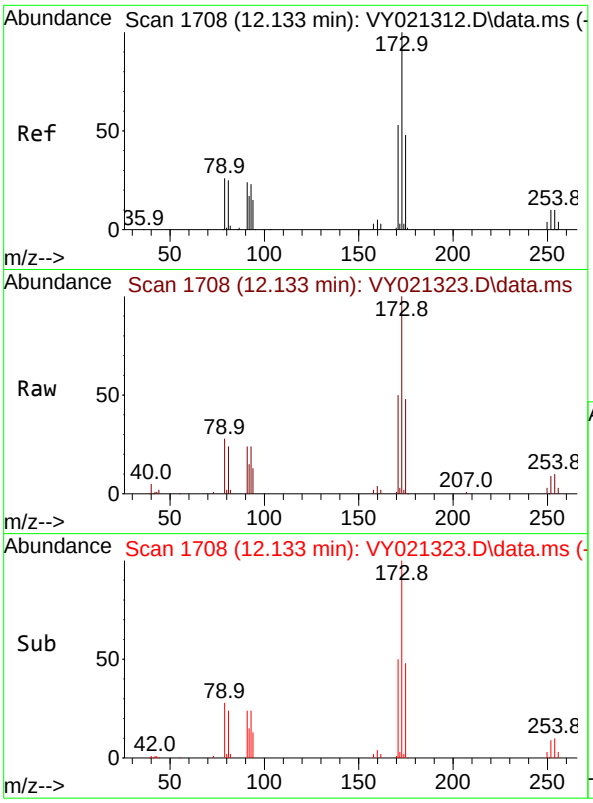




#70
Styrene
Concen: 19.791 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:104 Resp: 119367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.6 | 41.3 | 61.9 |
| 103 | 54.9 | 43.9 | 65.9 |



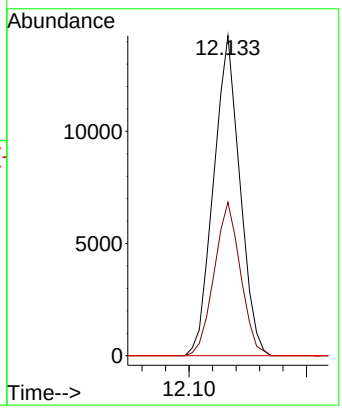


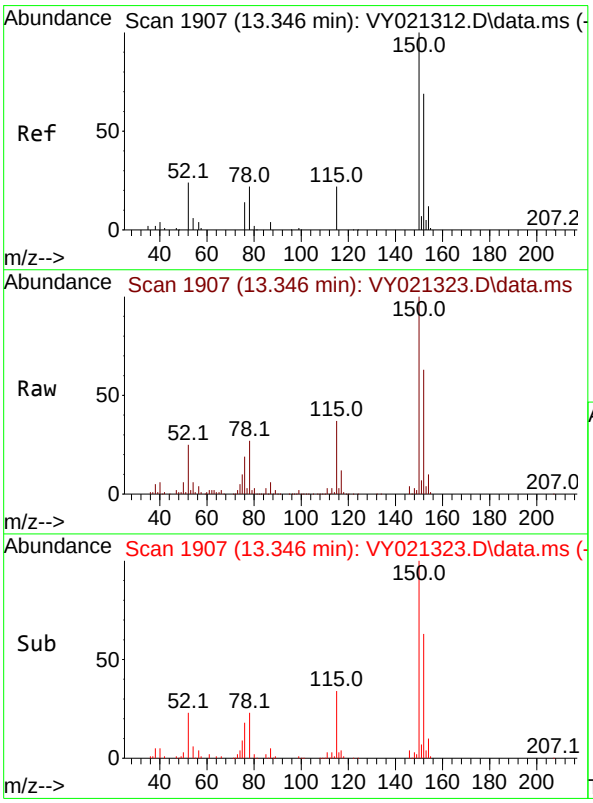

#71
Bromoform
Concen: 19.055 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:173 Resp: 22170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 24.1 | 72.3 |
| 254 | 0.0 | 0.1 | 0.1# |

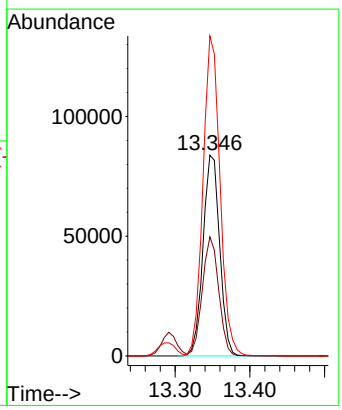


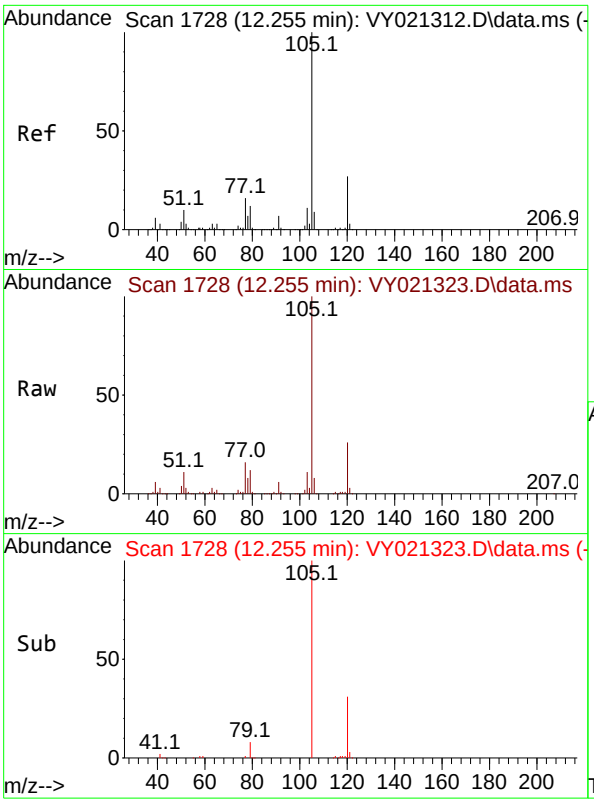




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:152 Resp: 129829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.4 | 29.3 | 88.0 |
| 150 | 162.9 | 0.0 | 347.4 |



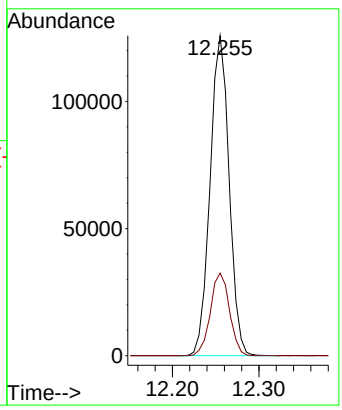


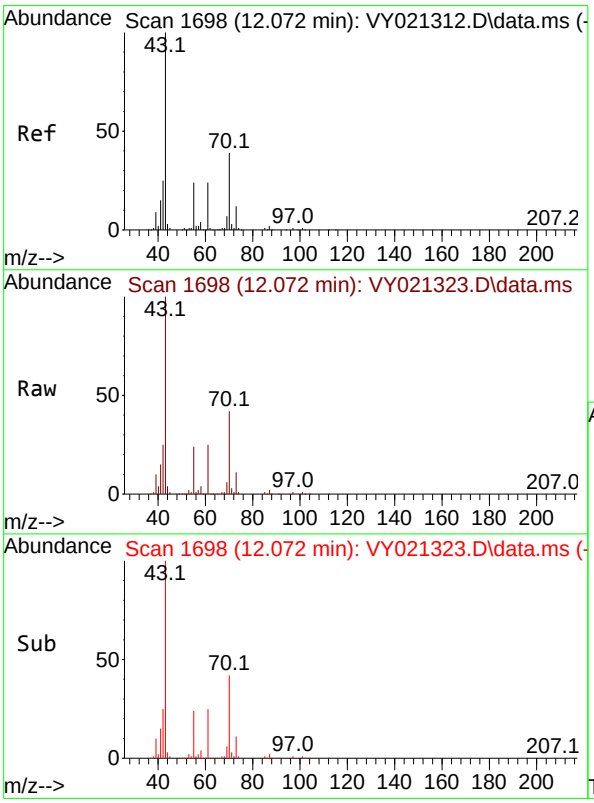

#73
Isopropylbenzene
Concen: 19.688 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:105 Resp: 192163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.3 | 39.8 |

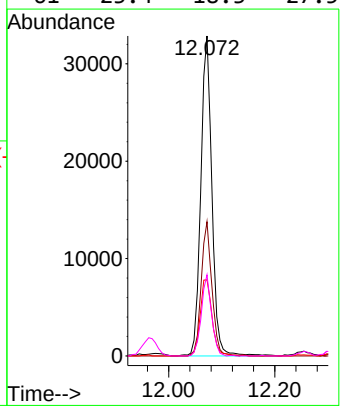


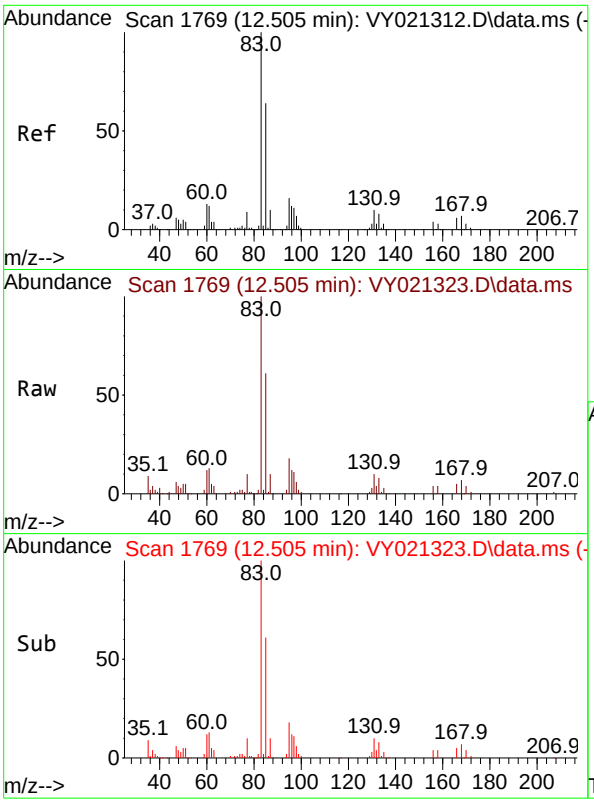




#74
N-amyl acetate
Concen: 19.319 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 47929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 32.2 | 48.2 |
| 55 | 25.5 | 19.6 | 29.4 |
| 61 | 23.4 | 18.3 | 27.5 |



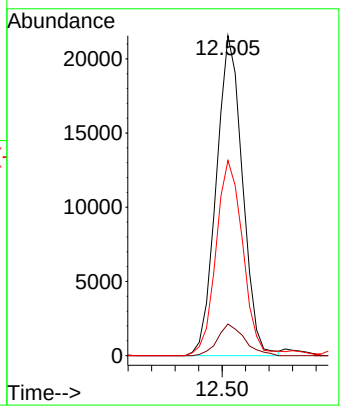


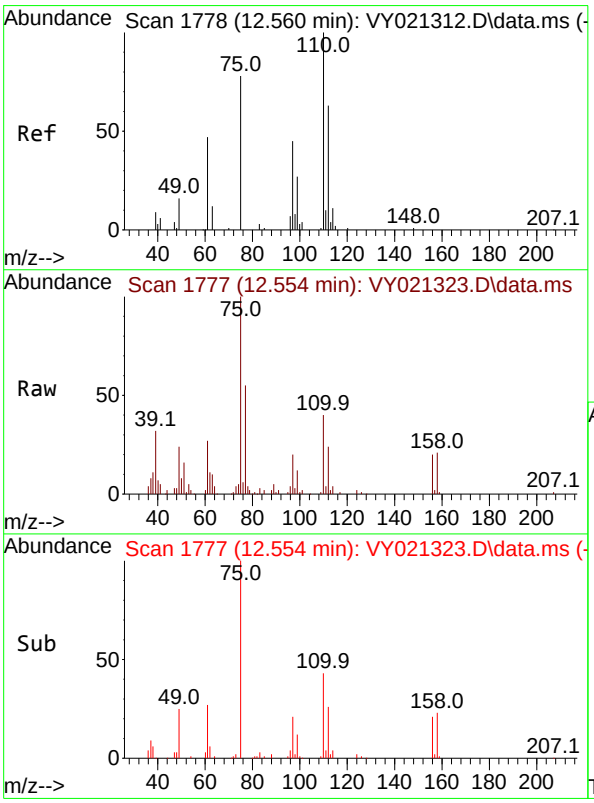

#75
1,1,2,2-Tetrachloroethane
Concen: 19.410 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 83 Resp: 33436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 5.2 | 15.6 |
| 85 | 63.6 | 32.0 | 96.0 |

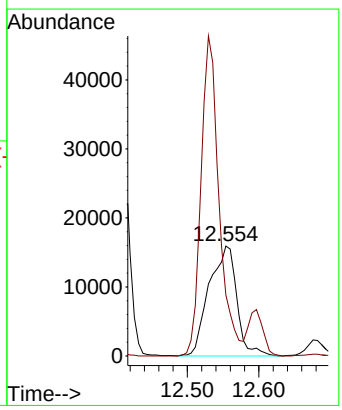


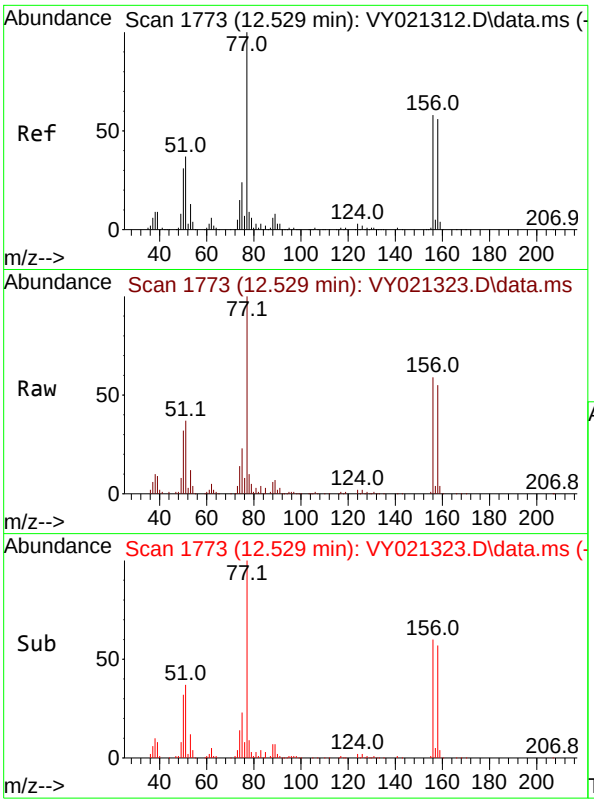




#76
1,2,3-Trichloropropane
Concen: 32.972 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 42848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



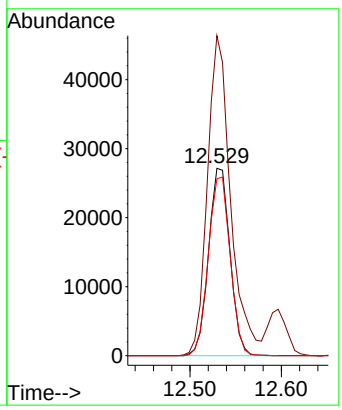


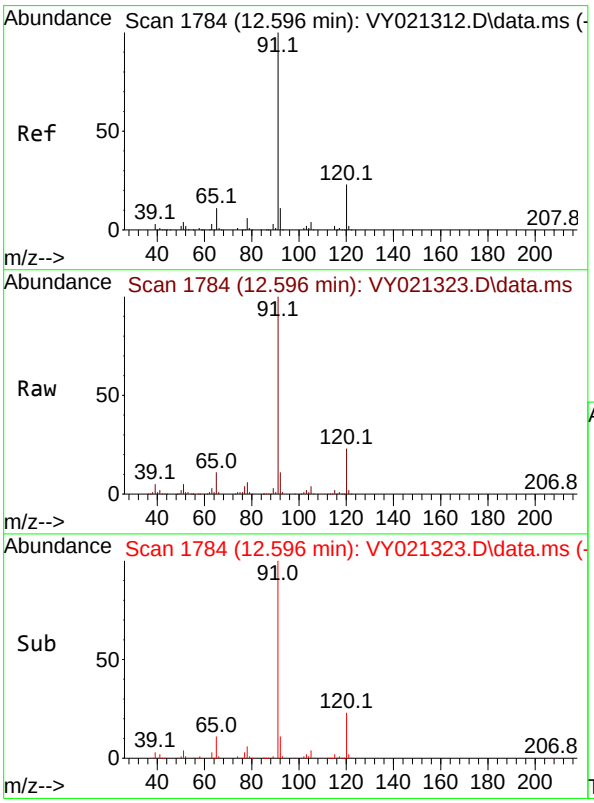

#77
Bromobenzene
Concen: 19.442 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:156 Resp: 44137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.1 | 94.0 | 282.1 |
| 158 | 97.5 | 48.7 | 146.1 |

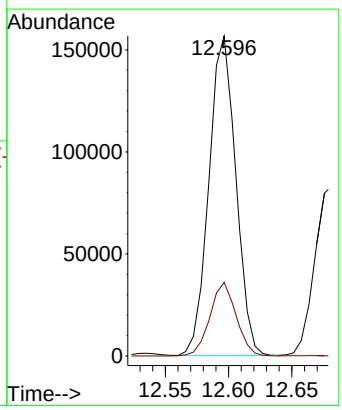


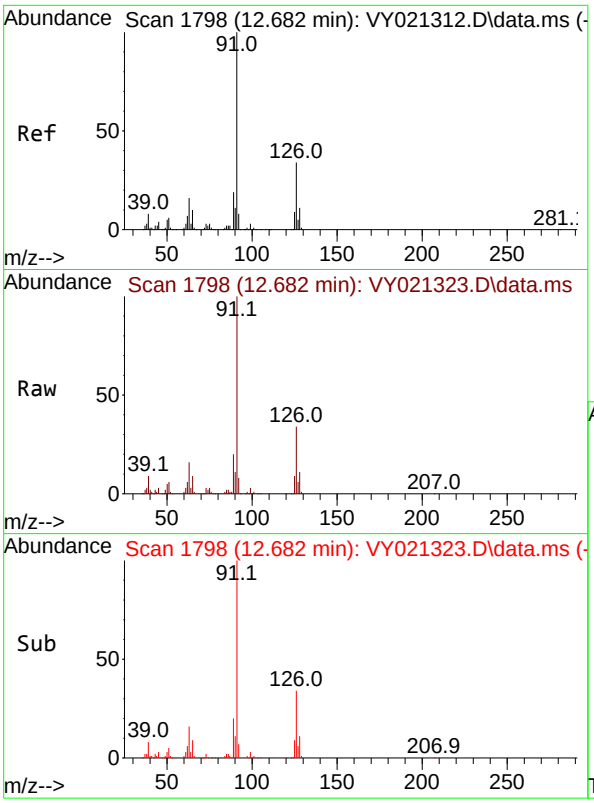




#78
n-propylbenzene
Concen: 19.547 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 231519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.2 | 33.5 |



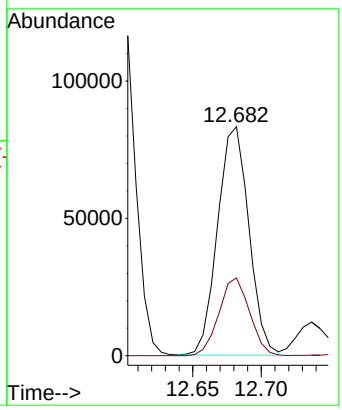


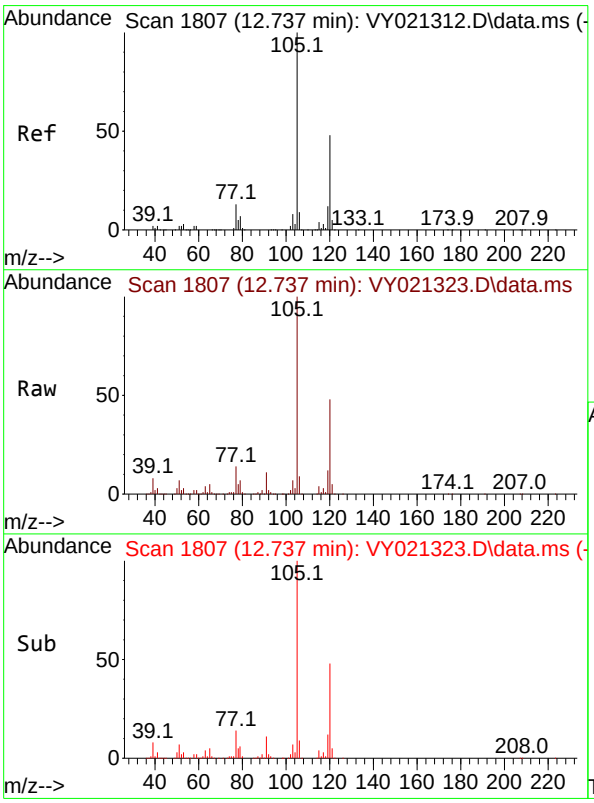

#79
2-Chlorotoluene
Concen: 19.457 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 91 Resp: 132259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.9 | 50.6 |

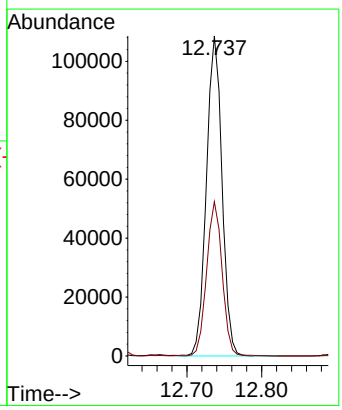


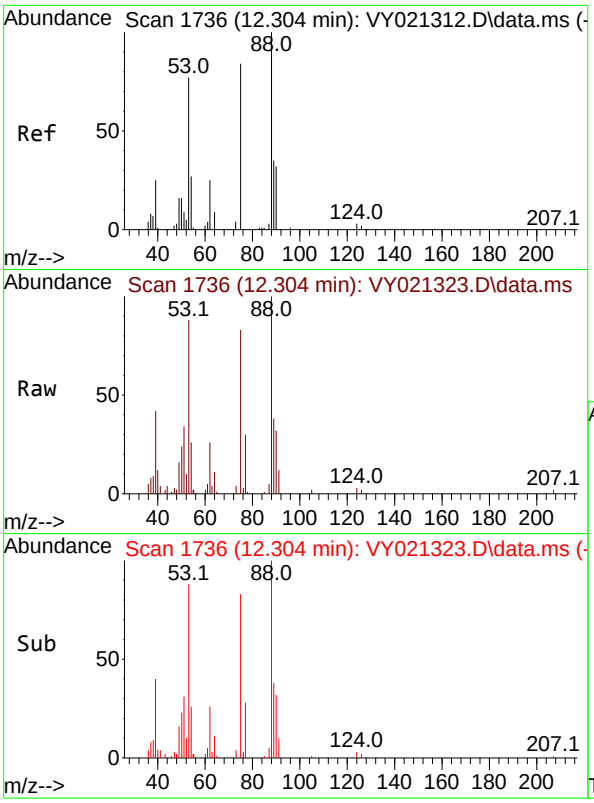




#80
1,3,5-Trimethylbenzene
Concen: 19.706 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 157749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 24.3 | 73.0 |



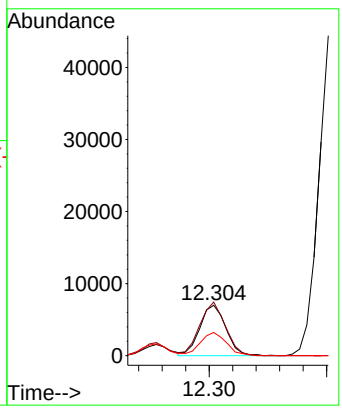


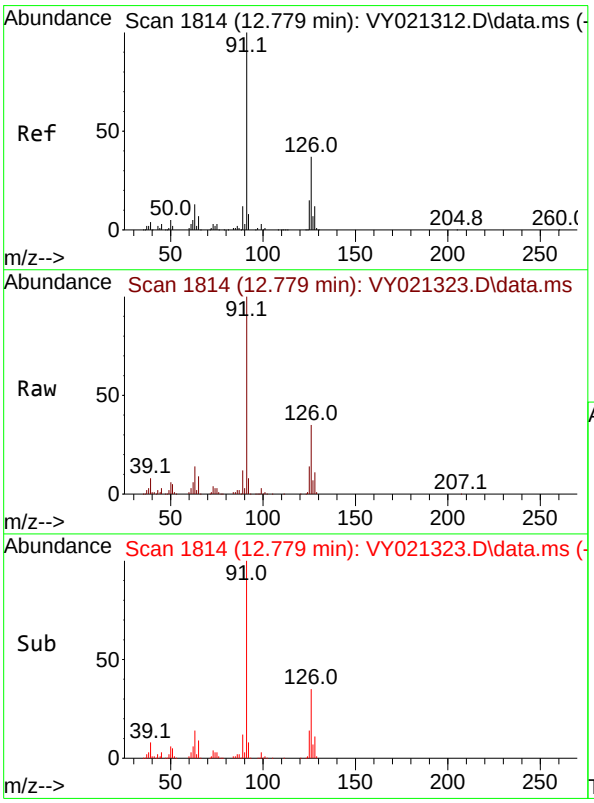

#81
trans-1,4-Dichloro-2-butene
Concen: 18.445 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 75 Resp: 10784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 105.0 | 79.1 | 118.7 |
| 89 | 45.4 | 35.6 | 53.4 |

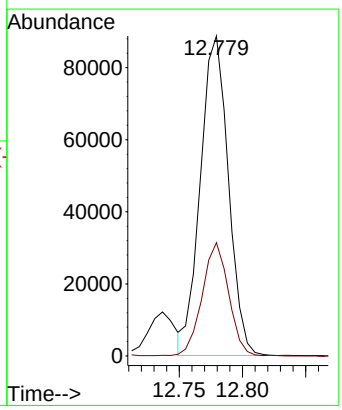


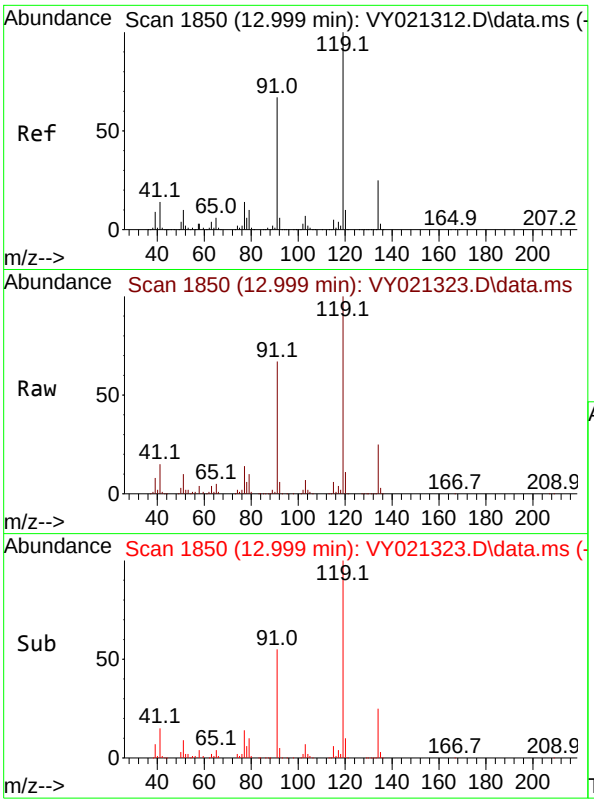




#82
4-Chlorotoluene
Concen: 19.394 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 136654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.8 | 50.4 |



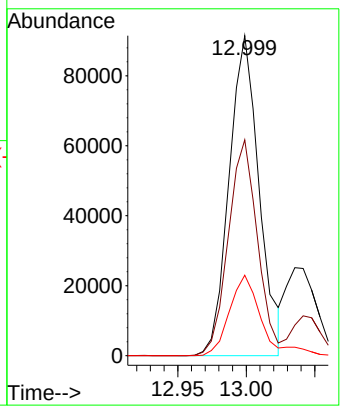


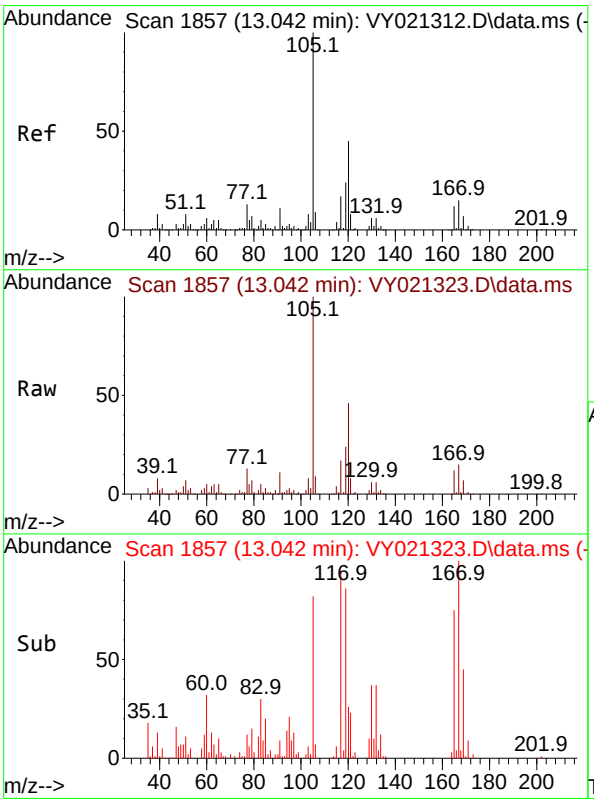

#83
tert-Butylbenzene
Concen: 19.288 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:119 Resp: 139478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.4 | 32.7 | 98.1 |
| 134 | 26.7 | 13.3 | 39.9 |

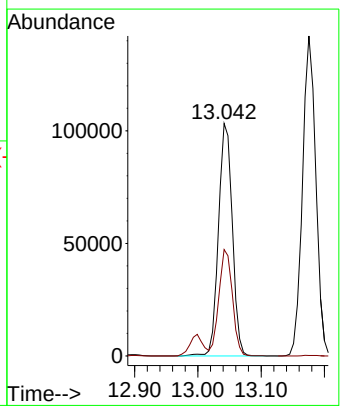


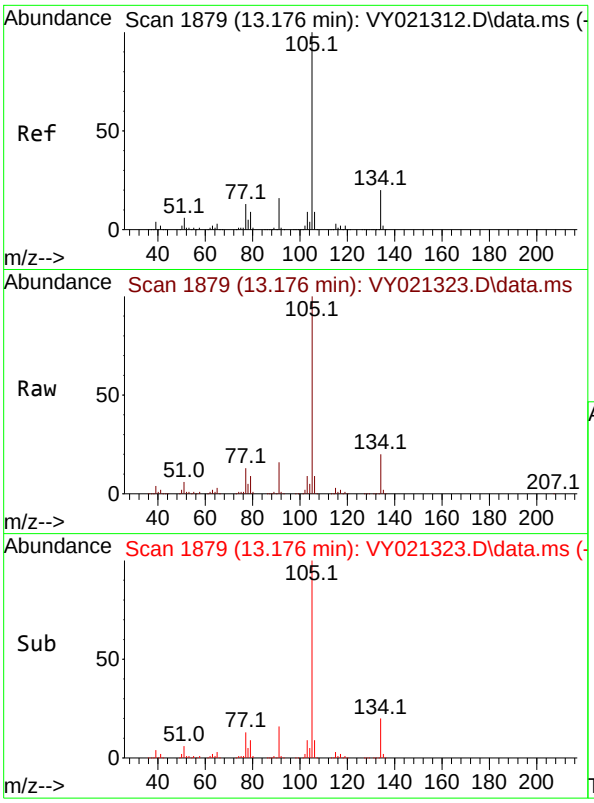




#84
1,2,4-Trimethylbenzene
Concen: 19.655 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 156482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.8 | 22.4 | 67.3 |



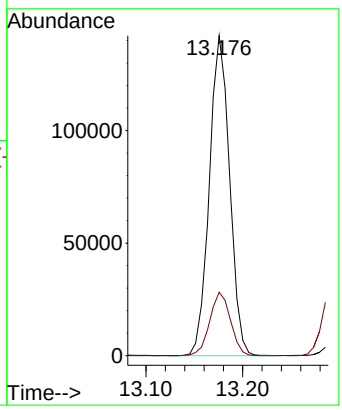


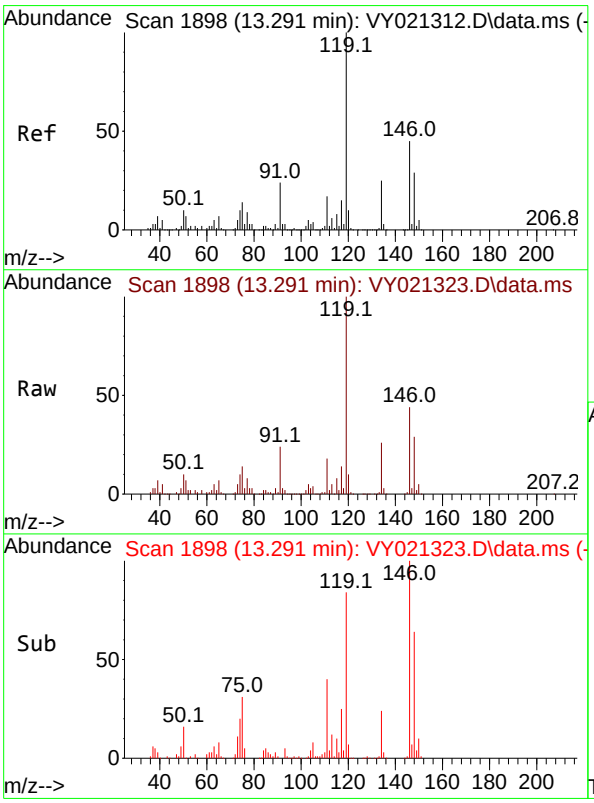

#85
sec-Butylbenzene
Concen: 19.613 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:105 Resp: 207160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 10.0 | 30.0 |

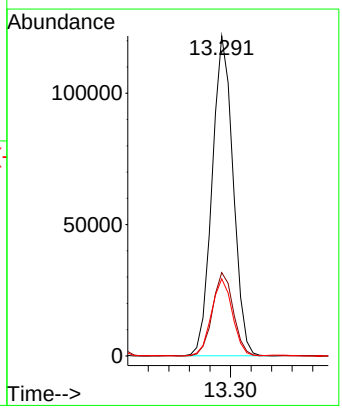


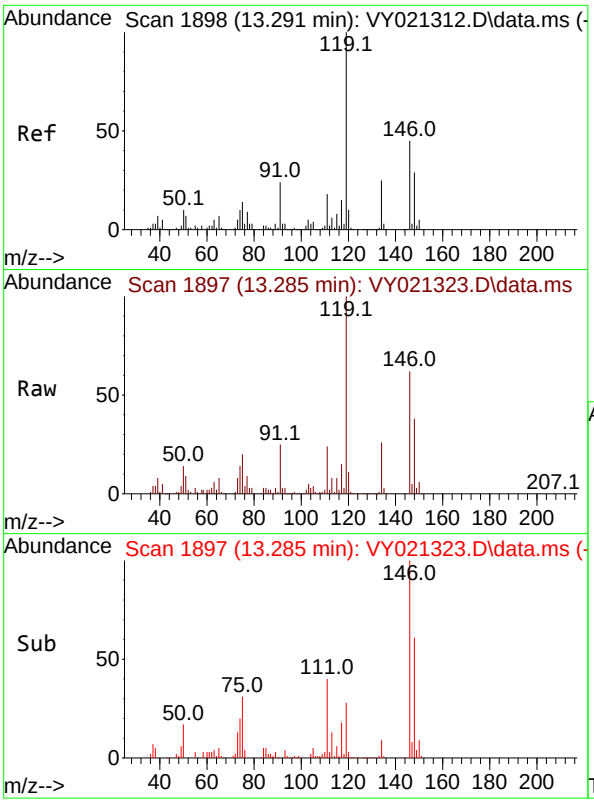




#86
p-Isopropyltoluene
Concen: 19.534 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:119 Resp: 172280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.0 | 38.9 |
| 91 | 24.2 | 12.0 | 36.1 |



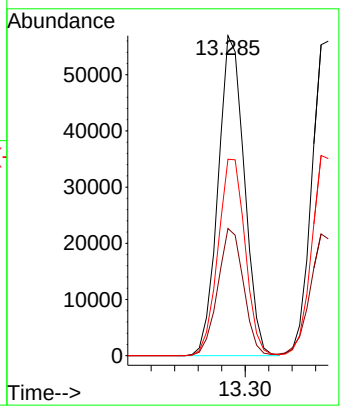


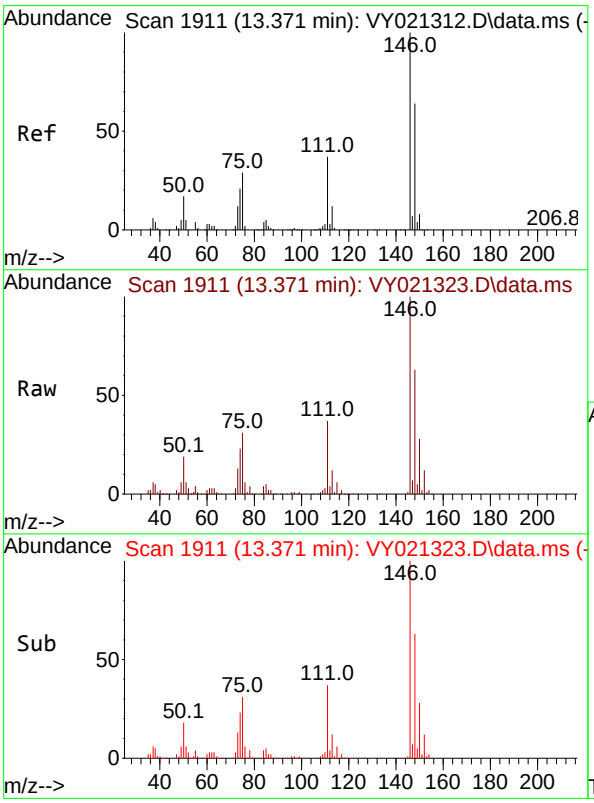

#87
1,3-Dichlorobenzene
Concen: 19.668 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:146 Resp: 88325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.0 | 20.0 | 59.9 |
| 148 | 63.4 | 31.9 | 95.9 |

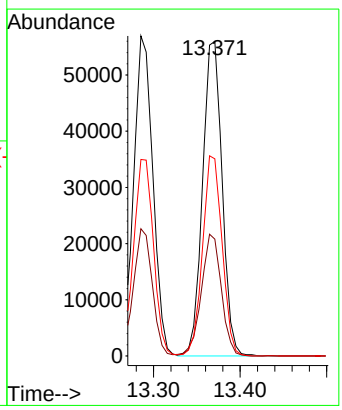


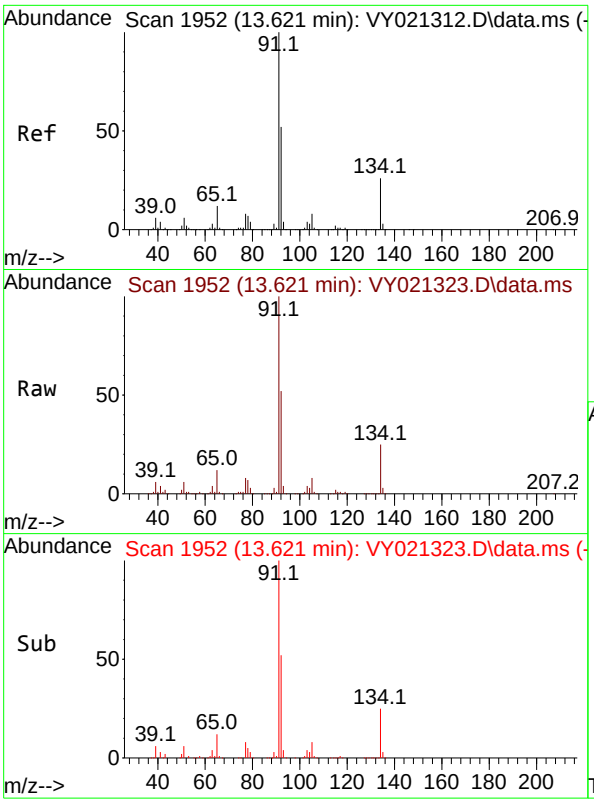




#88
1,4-Dichlorobenzene
Concen: 19.784 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:146 Resp: 87772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.7 | 19.5 | 58.5 |
| 148 | 63.7 | 32.0 | 96.2 |



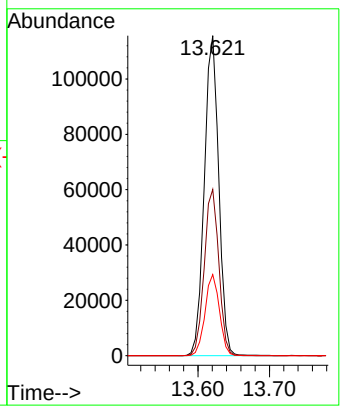


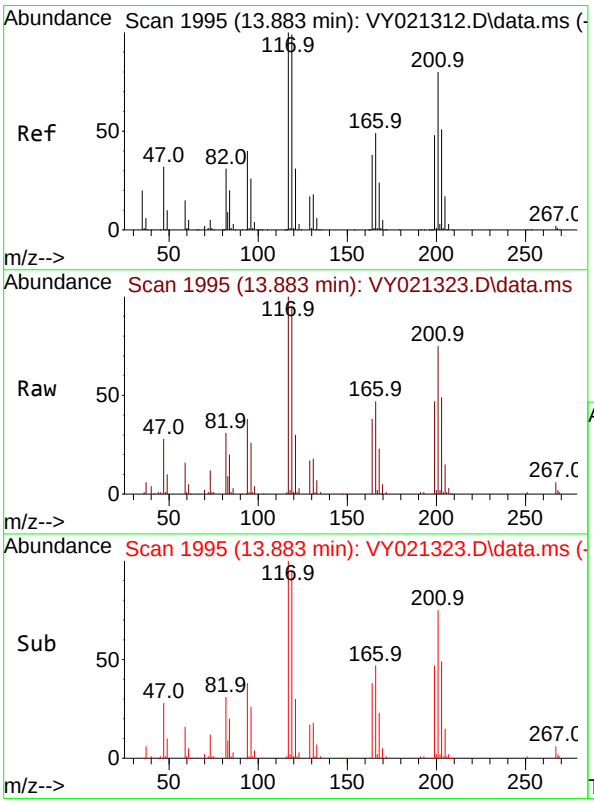

#89
n-Butylbenzene
Concen: 19.527 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion: 91 Resp: 162070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 26.4 | 79.2 |
| 134 | 25.3 | 12.7 | 38.0 |

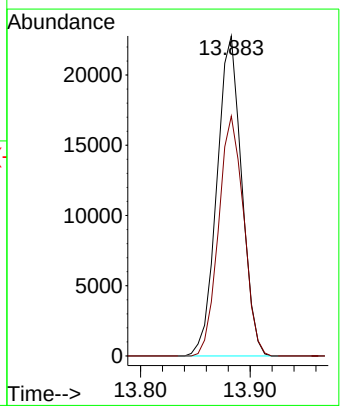


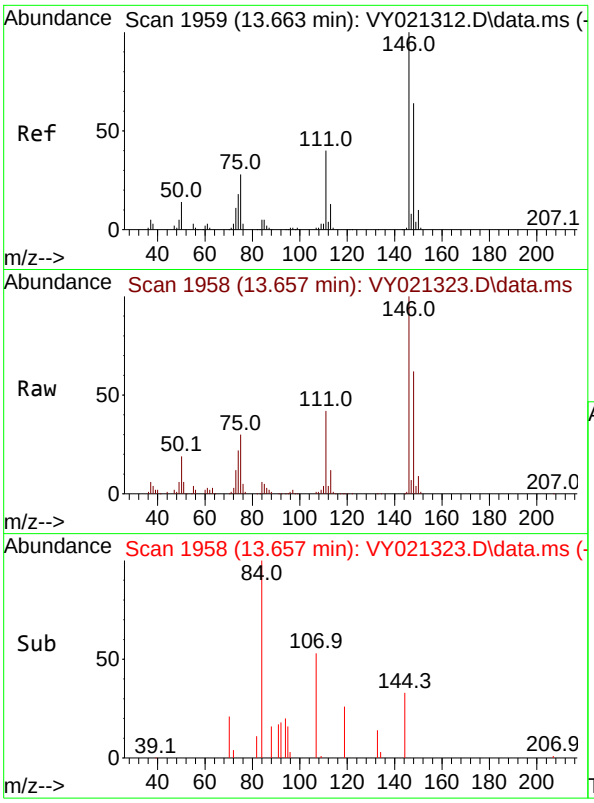




#90
Hexachloroethane
Concen: 19.411 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:117 Resp: 35761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 75.8 | 38.4 | 115.2 |



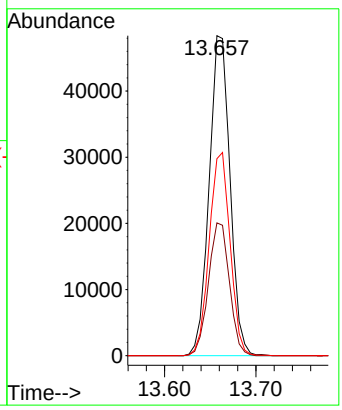


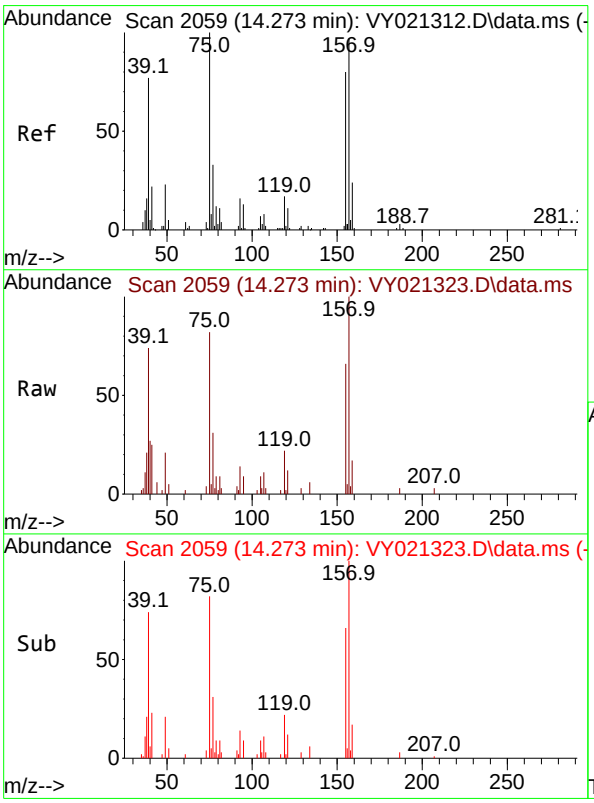

#91
1,2-Dichlorobenzene
Concen: 19.457 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:146 Resp: 76555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 20.7 | 62.1 |
| 148 | 63.5 | 31.7 | 95.1 |

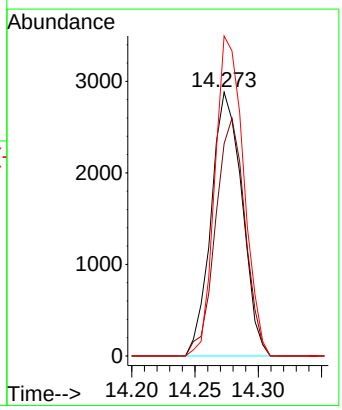


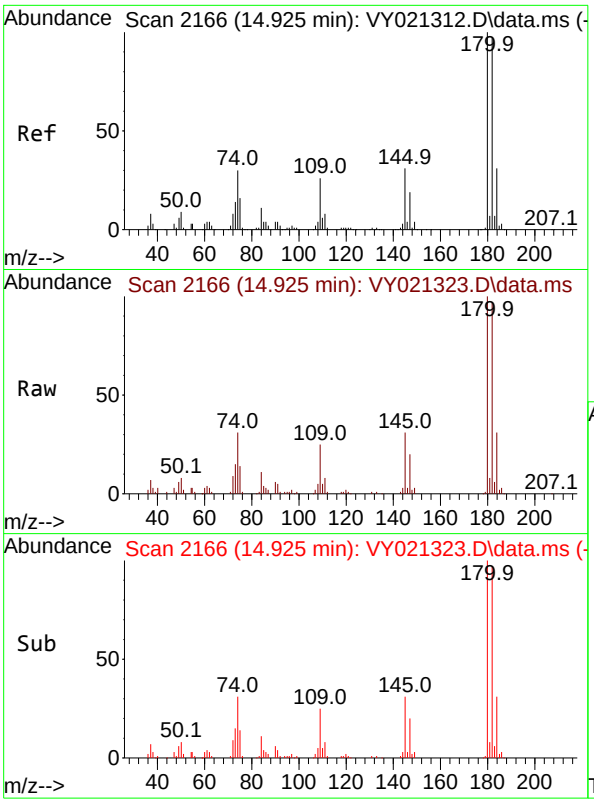




#92
1,2-Dibromo-3-Chloropropane
Concen: 17.963 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 4895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.7 | 41.9 | 125.6 |
| 157 | 112.6 | 52.5 | 157.6 |



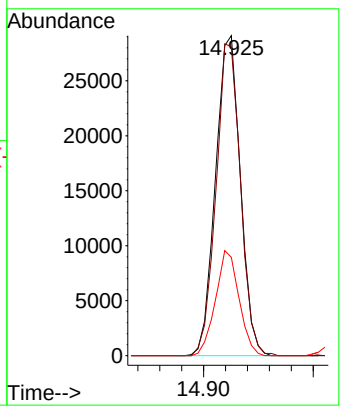


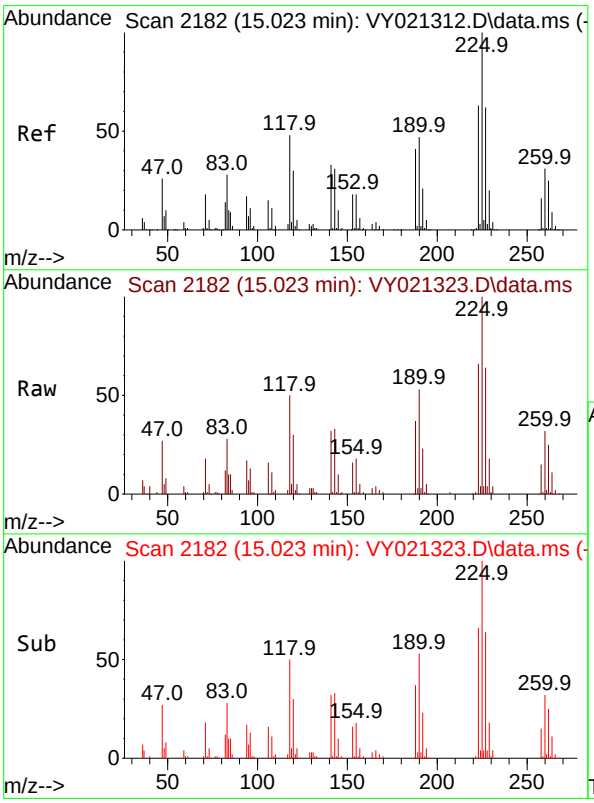

#93
1,2,4-Trichlorobenzene
Concen: 19.047 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:180 Resp: 45740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 47.9 | 143.7 |
| 145 | 31.2 | 15.6 | 46.8 |

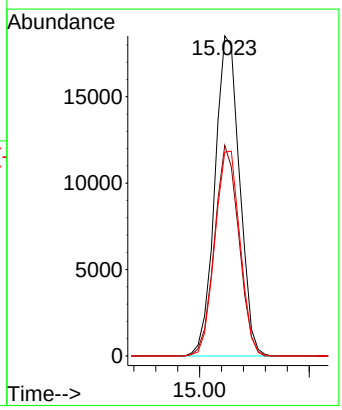


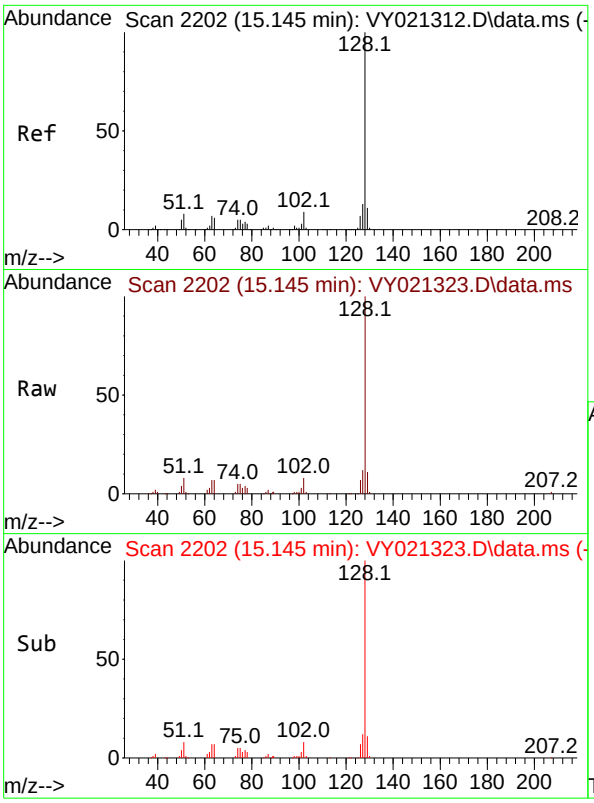




#94
Hexachlorobutadiene
Concen: 19.115 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:225 Resp: 28899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.8 | 31.8 | 95.4 |
| 227 | 65.4 | 31.9 | 95.7 |



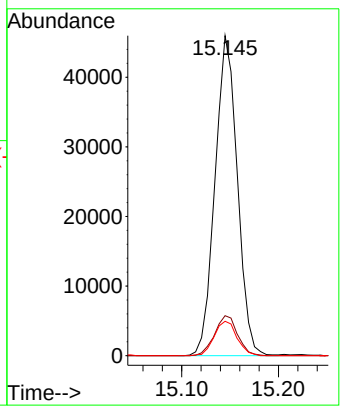


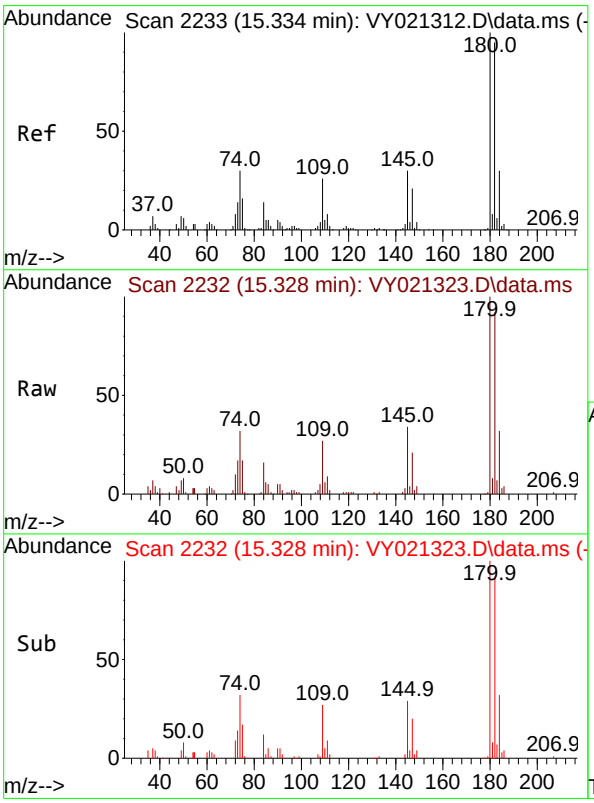

#95
Naphthalene
Concen: 18.532 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0226SBSD01

Tgt Ion:128 Resp: 73713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 11.0 | 8.5 | 12.7 |

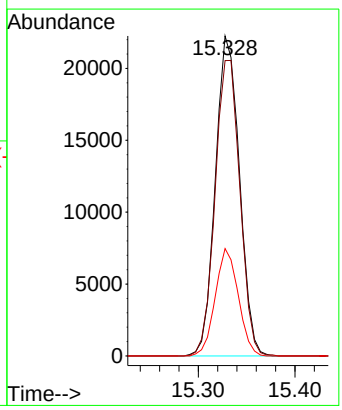



#96
1,2,3-Trichlorobenzene
Concen: 18.936 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:180 Resp: 38421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 48.3 | 144.9 |
| 145 | 32.2 | 16.1 | 48.3 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 209132 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 343428 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 305969 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 148168 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 110600 | 46.619 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 93.240% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 102286 | 45.429 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 90.860% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 388525 | 44.650 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 89.300% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 131584 | 44.933 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 89.860% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 89202 | 44.987 | ug/l | 100 |
| 3) Chloromethane | 2.068 | 50 | 118305 | 46.199 | ug/l | 100 |
| 4) Vinyl Chloride | 2.202 | 62 | 120584 | 47.976 | ug/l | 98 |
| 5) Bromomethane | 2.592 | 94 | 79891 | 47.832 | ug/l | 99 |
| 6) Chloroethane | 2.733 | 64 | 78213 | 50.180 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.056 | 101 | 182167 | 47.991 | ug/l | 98 |
| 8) Diethyl Ether | 3.452 | 74 | 60683 | 53.265 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 103386 | 47.044 | ug/l | 99 |
| 10) Methyl Iodide | 4.007 | 142 | 132681 | 57.386 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.854 | 59 | 42284 | 231.715 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 102196 | 48.566 | ug/l | 99 |
| 13) Acrolein | 3.653 | 56 | 6424 | 45.939 | ug/l | 96 |
| 14) Allyl chloride | 4.385 | 41 | 183341 | 49.143 | ug/l | 99 |
| 15) Acrylonitrile | 5.055 | 53 | 130861 | 259.792 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 102355 | 224.914 | ug/l | 98 |
| 17) Carbon Disulfide | 4.104 | 76 | 340079 | 48.671 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 59440 | 53.445 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 300902 | 54.123 | ug/l | 100 |
| 20) Methylene Chloride | 4.616 | 84 | 118498 | 48.152 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.116 | 96 | 118319 | 51.077 | ug/l | 97 |
| 22) Diisopropyl ether | 6.019 | 45 | 402879 | 52.185 | ug/l | 98 |
| 23) Vinyl Acetate | 5.958 | 43 | 1195161 | 259.062 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 219734 | 50.498 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 173965 | 253.286 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 170930 | 43.292 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 138734 | 52.447 | ug/l | 97 |
| 28) Bromochloromethane | 7.244 | 49 | 93313 | 48.465 | ug/l | 97 |
| 29) Tetrahydrofuran | 7.262 | 42 | 117269 | 261.209 | ug/l | 99 |
| 30) Chloroform | 7.421 | 83 | 226821 | 51.443 | ug/l | 99 |
| 31) Cyclohexane | 7.701 | 56 | 184463 | 44.101 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 200425 | 49.940 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 158713 | 46.928 | ug/l | 99 |
| 37) Ethyl Acetate | 6.982 | 43 | 82433 | 48.999 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 178448 | 46.933 | ug/l | 99 |
| 39) Methylcyclohexane | 9.109 | 83 | 191242 | 44.707 | ug/l | 99 |
| 40) Benzene | 8.079 | 78 | 488113 | 48.823 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.226 | 41 | 50830 | 54.039 ug/l | 93 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 143731 | 50.672 ug/l | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 162361 | 49.861 ug/l | 99 |
| 44) Trichloroethene | 8.866 | 130 | 120825 | 48.271 ug/l | 99 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 117257 | 48.736 ug/l | 99 |
| 46) Dibromomethane | 9.231 | 93 | 66414 | 50.499 ug/l | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 175634 | 50.086 ug/l | 98 |
| 48) Methyl methacrylate | 9.219 | 41 | 77080 | 50.619 ug/l | 97 |
| 49) 1,4-Dioxane | 9.225 | 88 | 14855 | 1015.844 ug/l # | 93 |
| 51) 4-Methyl-2-Pentanone | 10.000 | 43 | 425033 | 254.988 ug/l | 99 |
| 52) Toluene | 10.170 | 92 | 307967 | 49.585 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 159678 | 49.701 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 183344 | 48.340 ug/l | 100 |
| 55) 1,1,2-Trichloroethane | 10.573 | 97 | 87133 | 50.858 ug/l | 99 |
| 56) Ethyl methacrylate | 10.438 | 69 | 127215 | 53.738 ug/l | 98 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 152781 | 50.818 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 292101 | 257.068 ug/l | 99 |
| 59) 2-Hexanone | 10.755 | 43 | 285133 | 260.462 ug/l | 99 |
| 60) Dibromochloromethane | 10.908 | 129 | 118508 | 50.788 ug/l | 99 |
| 61) 1,2-Dibromoethane | 11.012 | 107 | 82050 | 50.586 ug/l | 98 |
| 64) Tetrachloroethene | 10.646 | 164 | 108193 | 46.783 ug/l | 99 |
| 65) Chlorobenzene | 11.444 | 112 | 331937 | 48.330 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131 | 118595 | 49.313 ug/l | 100 |
| 67) Ethyl Benzene | 11.518 | 91 | 585231 | 48.106 ug/l | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 441830 | 96.556 ug/l | 100 |
| 69) o-Xylene | 11.956 | 106 | 212382 | 49.544 ug/l | 100 |
| 70) Styrene | 11.969 | 104 | 357830 | 50.170 ug/l | 100 |
| 71) Bromoform | 12.133 | 173 | 68887 | 50.071 ug/l | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 548496 | 49.240 ug/l | 100 |
| 74) N-amyl acetate | 12.072 | 43 | 146735 | 51.825 ug/l | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 98641 | 50.176 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 128720 | 86.792 ug/l # | 100 |
| 77) Bromobenzene | 12.530 | 156 | 130762 | 50.469 ug/l | 98 |
| 78) n-propylbenzene | 12.597 | 91 | 647434 | 47.897 ug/l | 99 |
| 79) 2-Chlorotoluene | 12.676 | 91 | 381569 | 49.187 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 448101 | 49.048 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 31668 | 47.460 ug/l | 97 |
| 82) 4-Chlorotoluene | 12.773 | 91 | 392065 | 48.755 ug/l | 99 |
| 83) tert-Butylbenzene | 12.999 | 119 | 405401 | 49.124 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 449054 | 49.422 ug/l | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 564734 | 46.848 ug/l | 99 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 477095 | 47.399 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 13.286 | 146 | 247228 | 48.238 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 241313 | 47.661 ug/l | 99 |
| 89) n-Butylbenzene | 13.615 | 91 | 431776 | 45.583 ug/l | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 97989 | 46.606 ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 218493 | 48.659 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 15872 | 51.037 ug/l | 99 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 127534 | 46.535 ug/l | 99 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 74574 | 43.221 ug/l | 99 |
| 95) Naphthalene | 15.145 | 128 | 230889 | 50.863 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 109952 | 47.484 ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

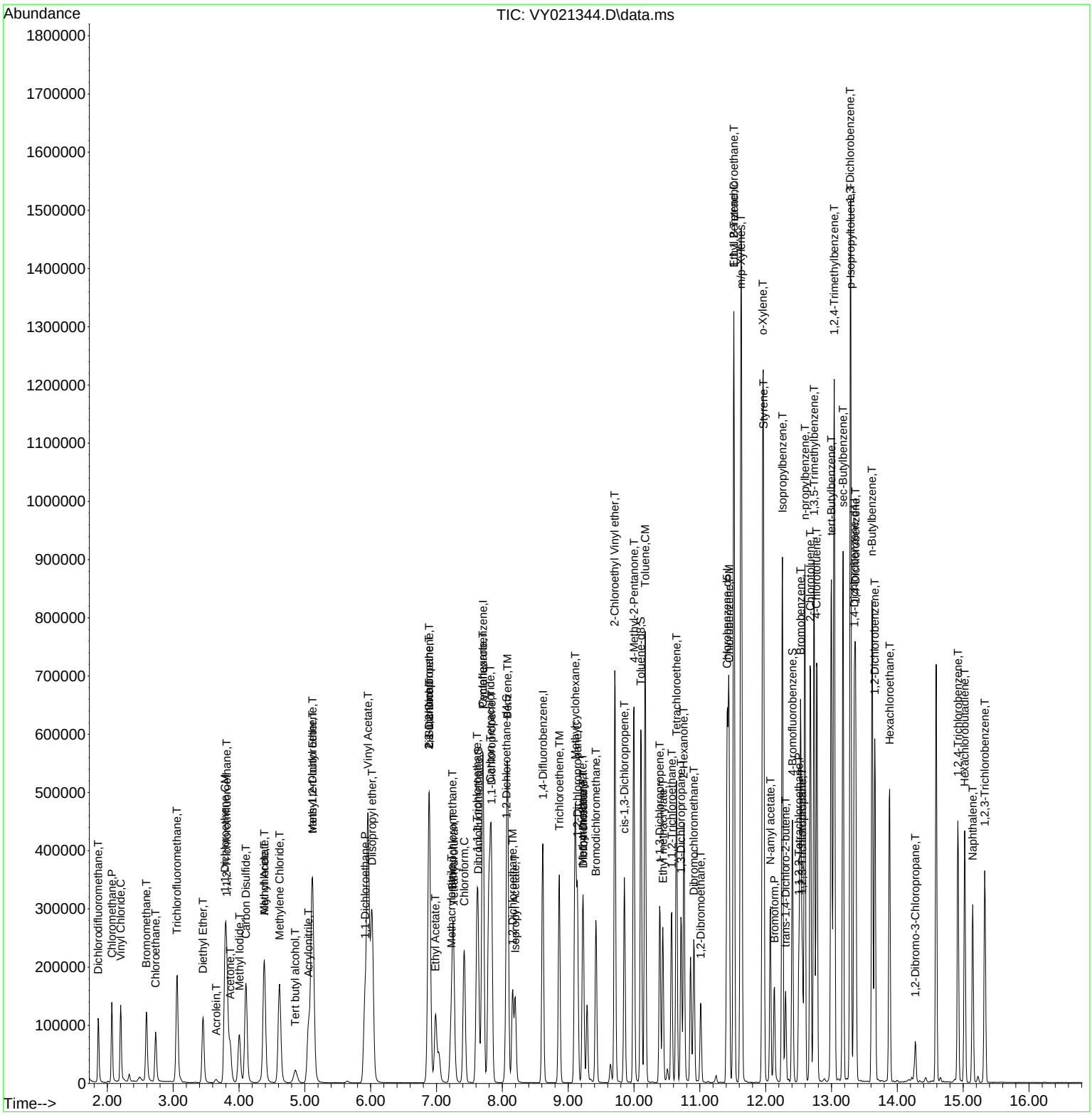
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

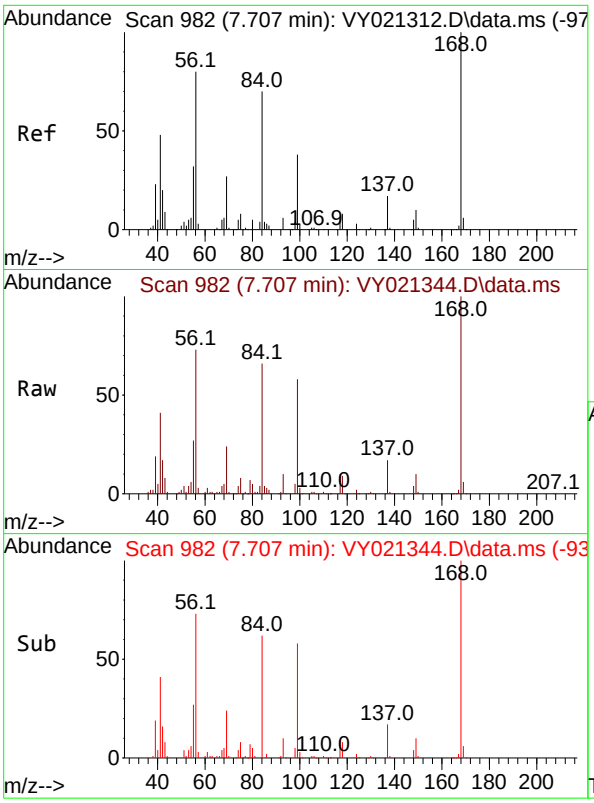
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



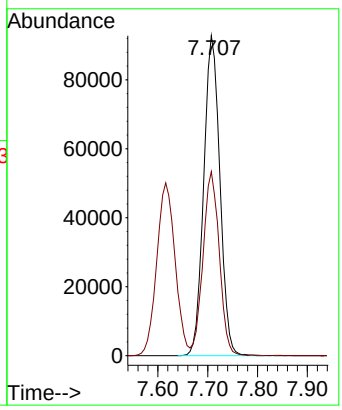


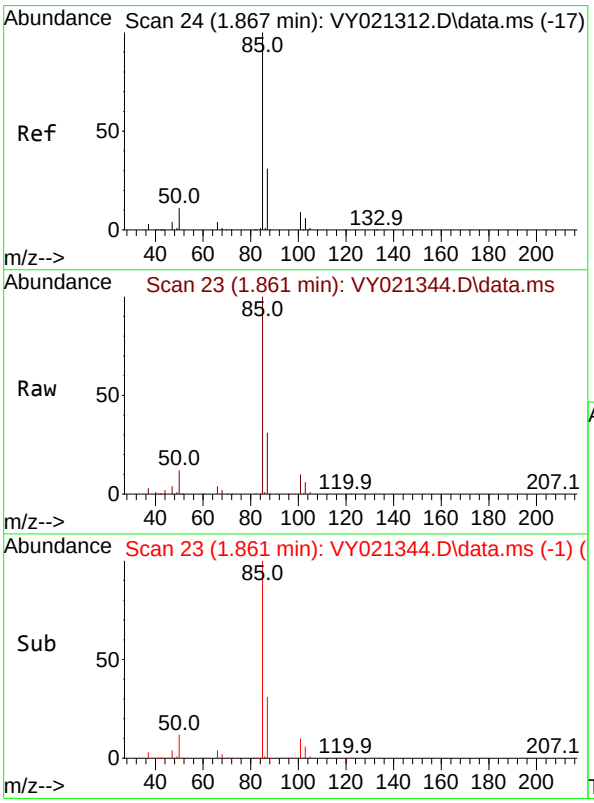

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 209132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.4 | 47.1 | 70.7 |

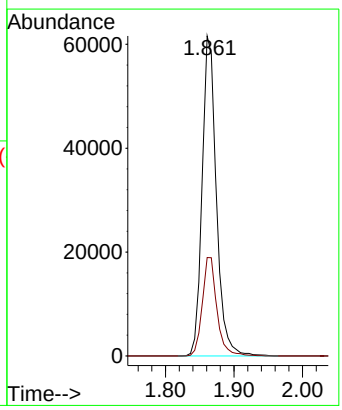


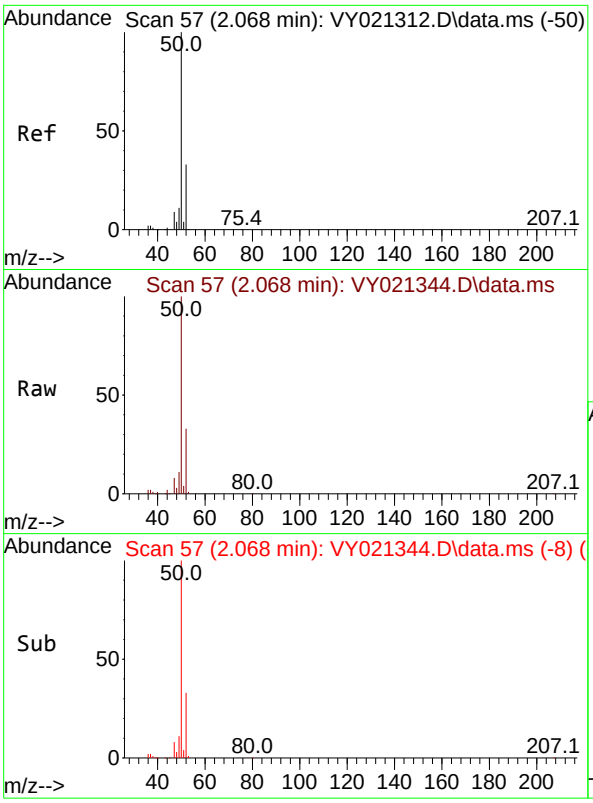




#2
Dichlorodifluoromethane
Concen: 44.987 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 85 Resp: 89202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.7 | 15.4 | 46.4 |



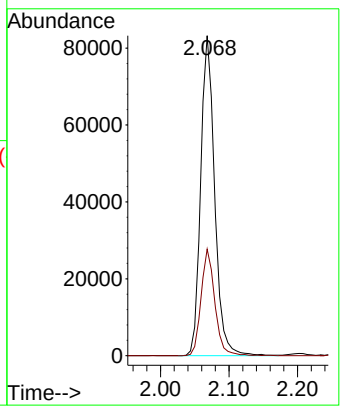


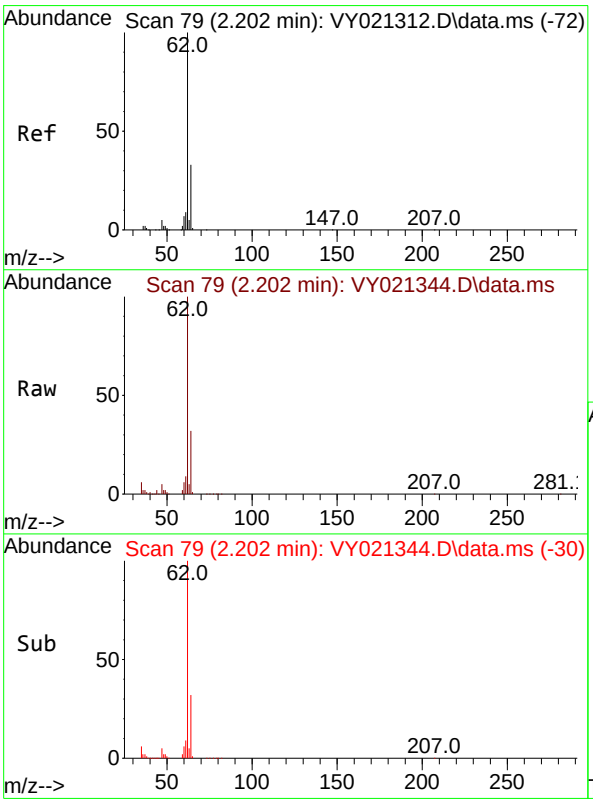

#3
Chloromethane
Concen: 46.199 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 118305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.3 | 26.6 | 40.0 |

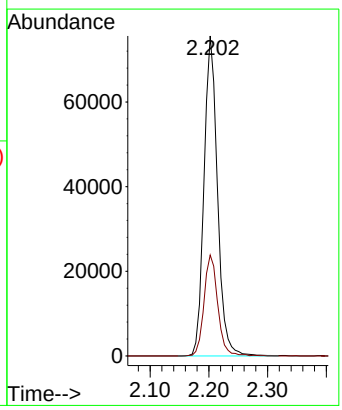


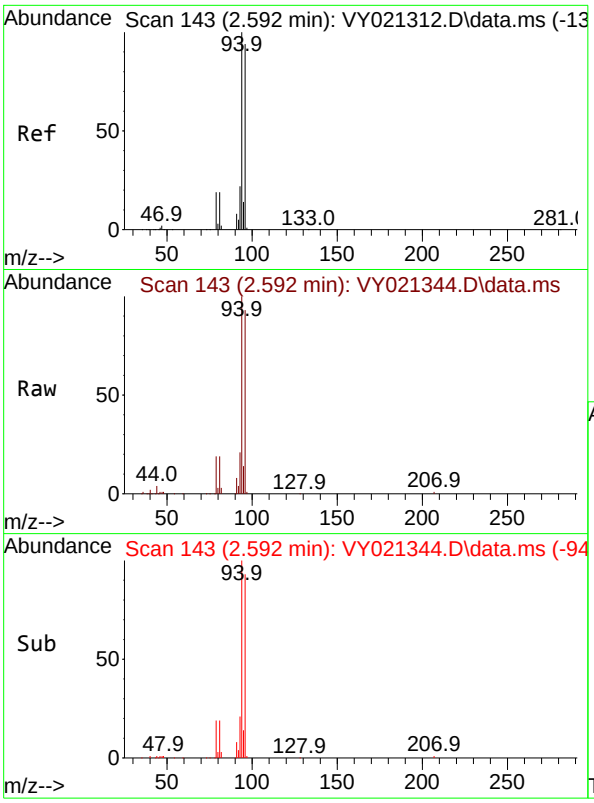




#4
Vinyl Chloride
Concen: 47.976 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 120584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 26.3 | 39.5 |



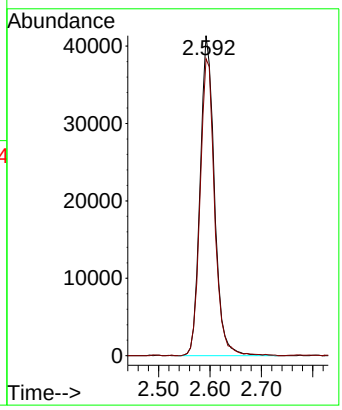


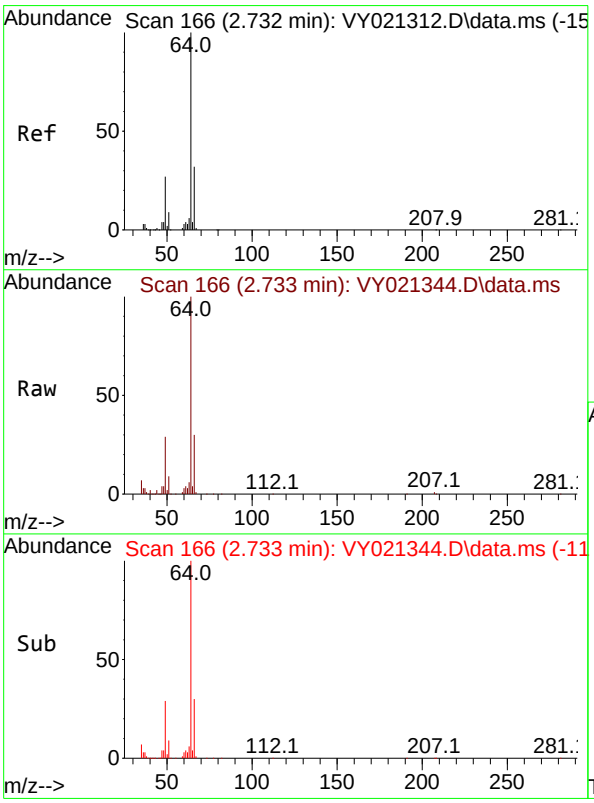

#5
Bromomethane
Concen: 47.832 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 79891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.8 | 75.2 | 112.8 |

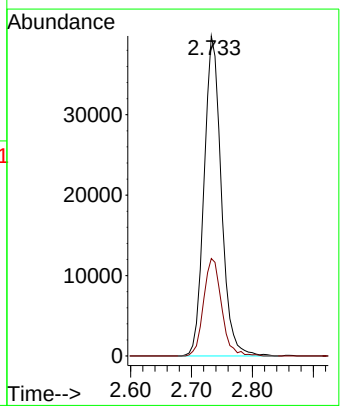


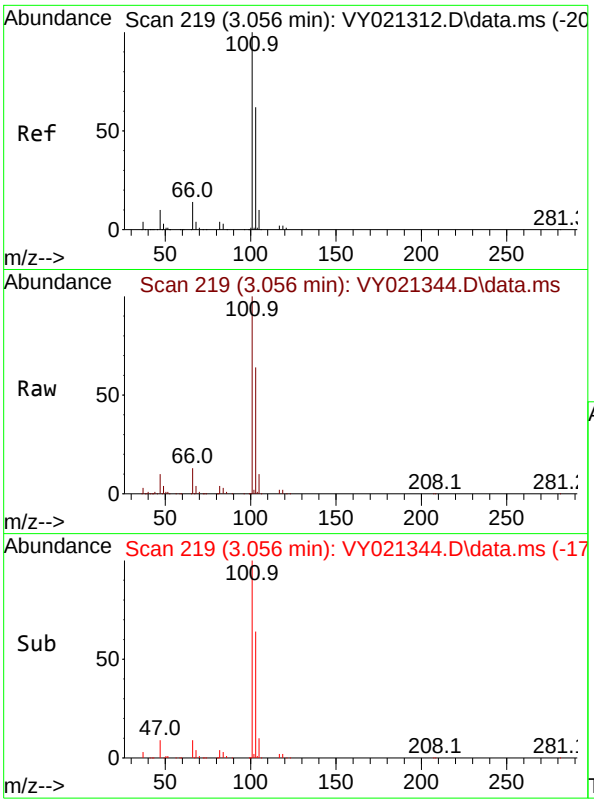




#6
Chloroethane
Concen: 50.180 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 64 Resp: 78213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.4 | 25.4 | 38.0 |



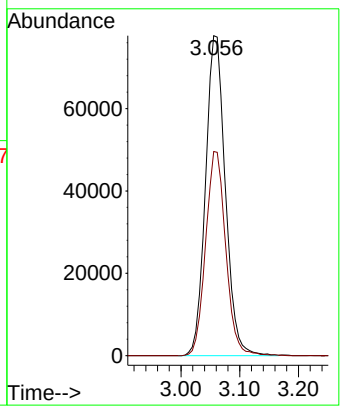


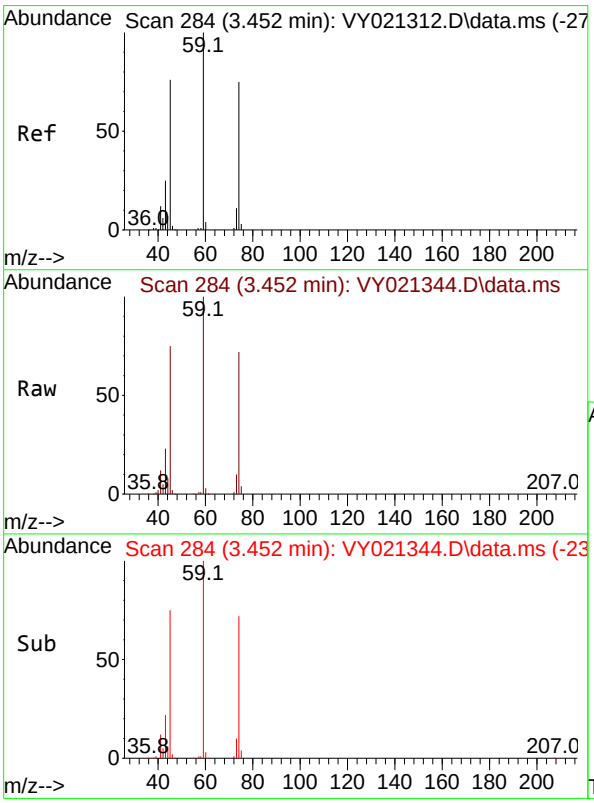

#7
Trichlorofluoromethane
Concen: 47.991 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 182167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 49.7 | 74.5 |

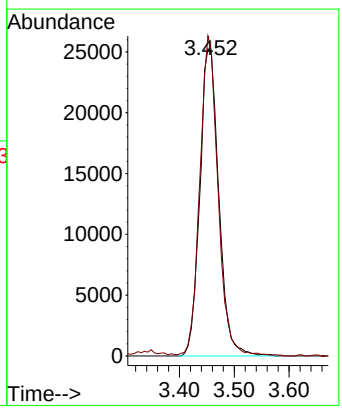


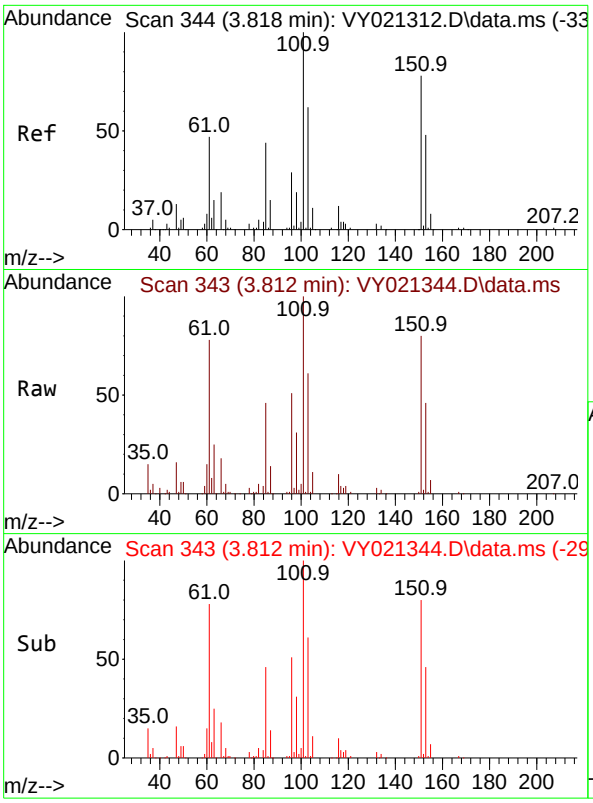




#8
Diethyl Ether
Concen: 53.265 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 74 Resp: 60683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.3 | 50.3 | 150.9 |



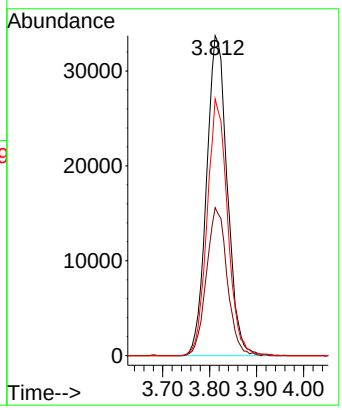


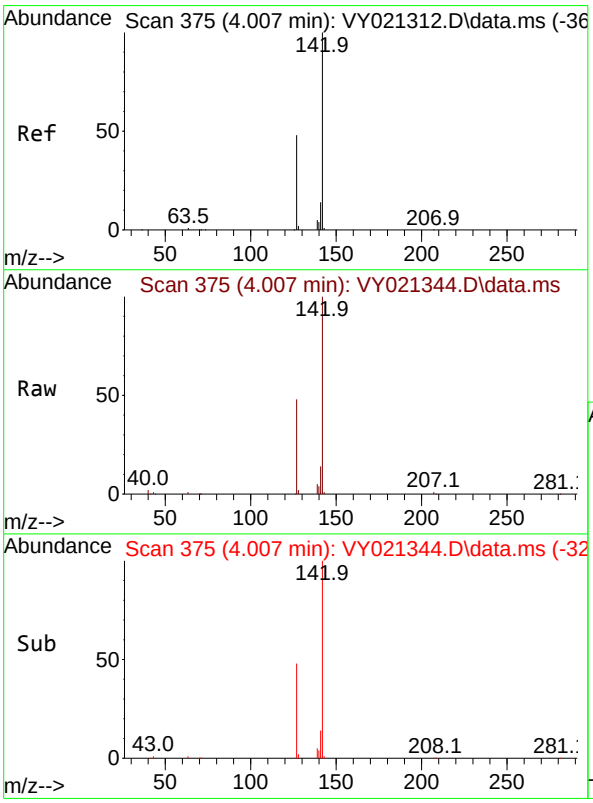

#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.044 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 103386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.2 | 36.7 | 55.1 |
| 151 | 79.0 | 62.6 | 94.0 |

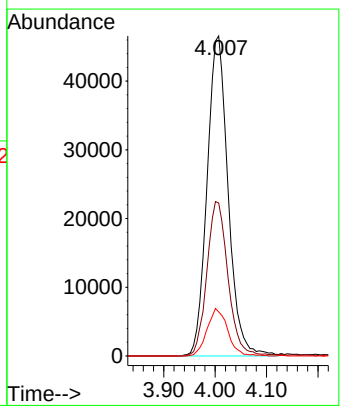


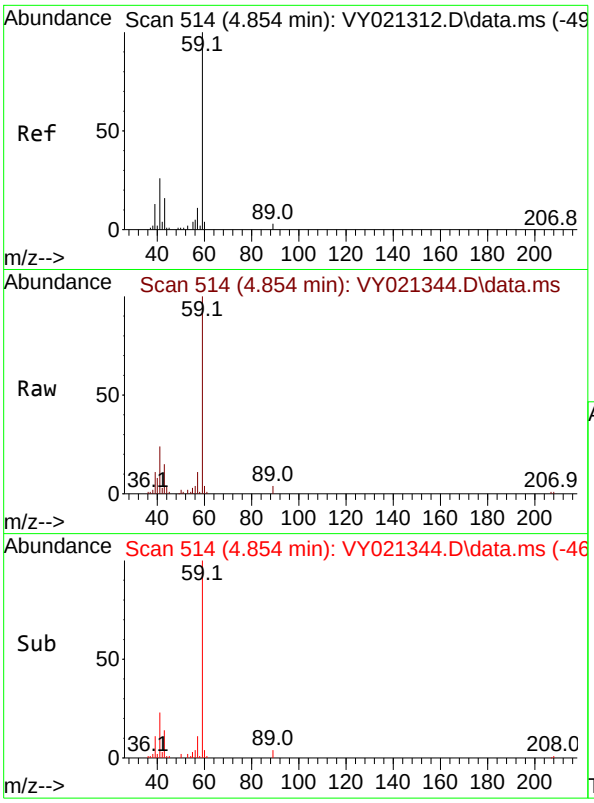




#10
Methyl Iodide
Concen: 57.386 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:142 Resp: 132681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.5 | 39.2 | 58.8 |
| 141 | 14.5 | 11.4 | 17.2 |



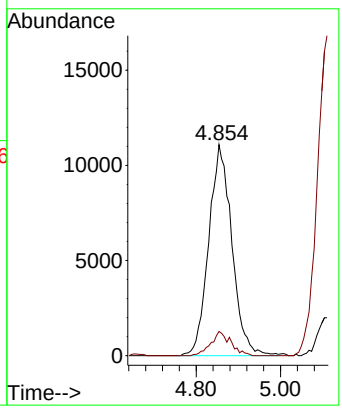


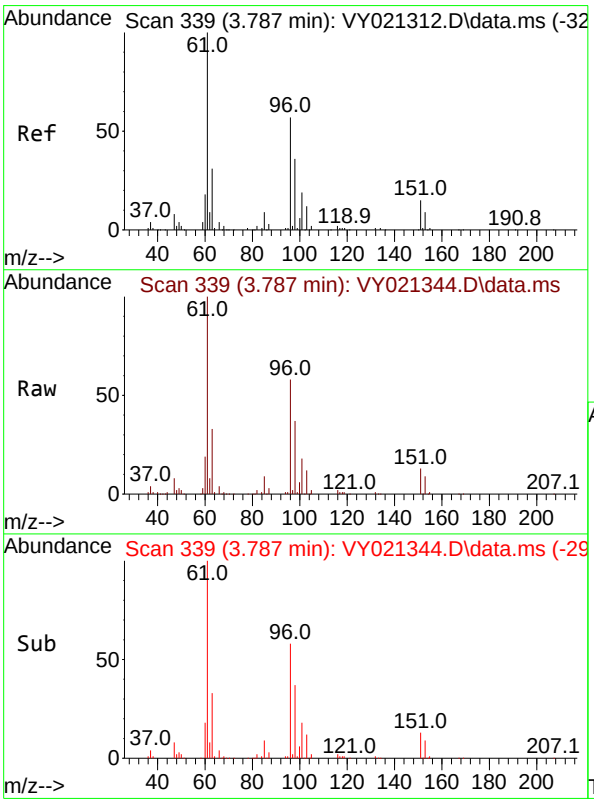

#11
Tert butyl alcohol
Concen: 231.715 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 42284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 8.3 | 12.5 |

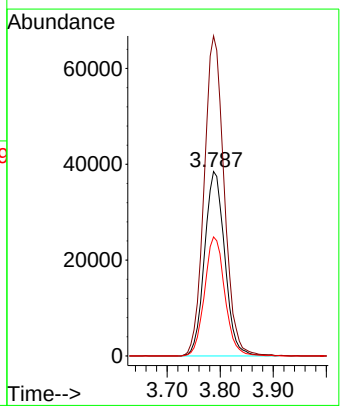


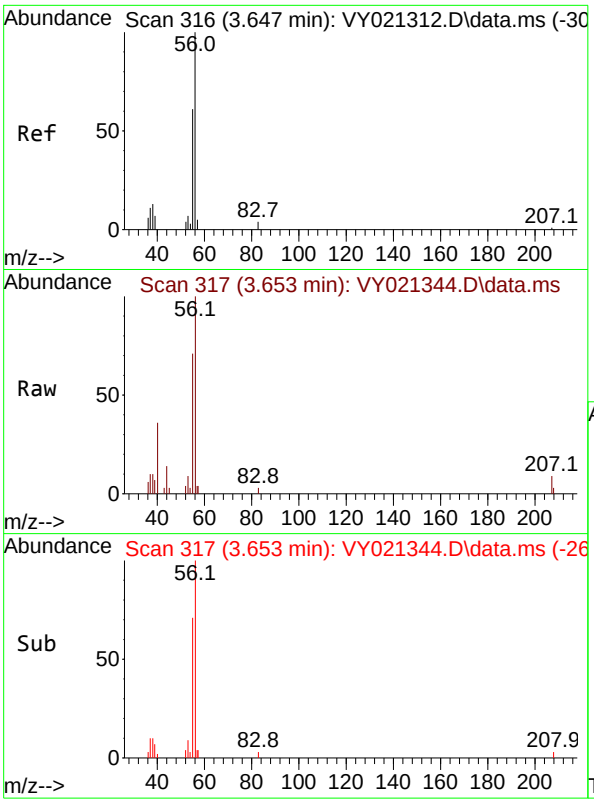




#12
1,1-Dichloroethene
Concen: 48.566 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 102196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 173.5 | 139.7 | 209.5 |
| 98 | 64.6 | 49.7 | 74.5 |



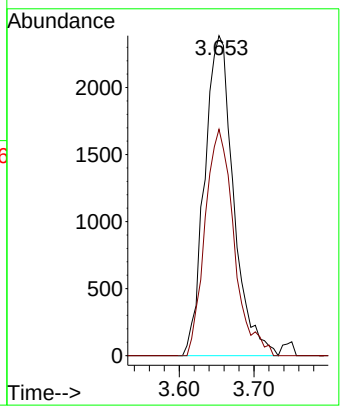


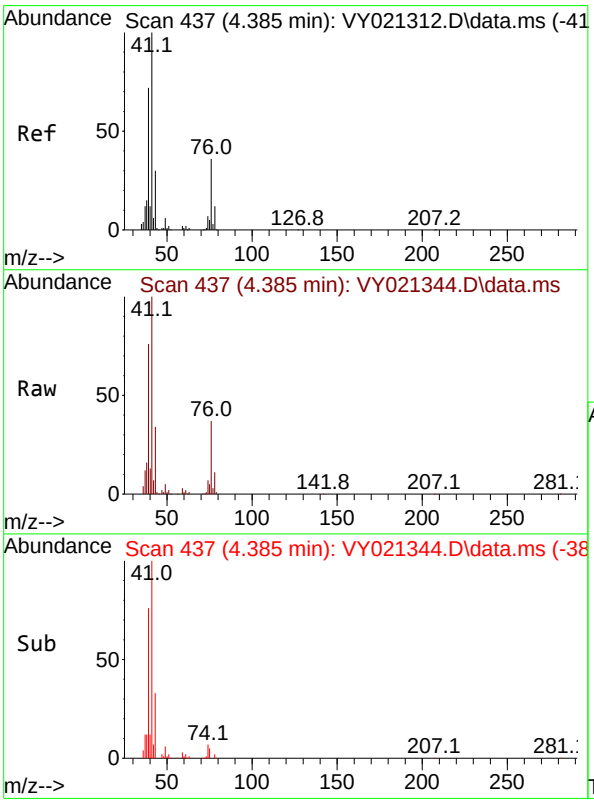

#13
Acrolein
Concen: 45.939 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 6424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.7 | 59.0 | 88.6 |

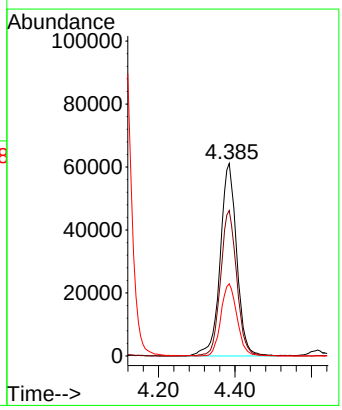


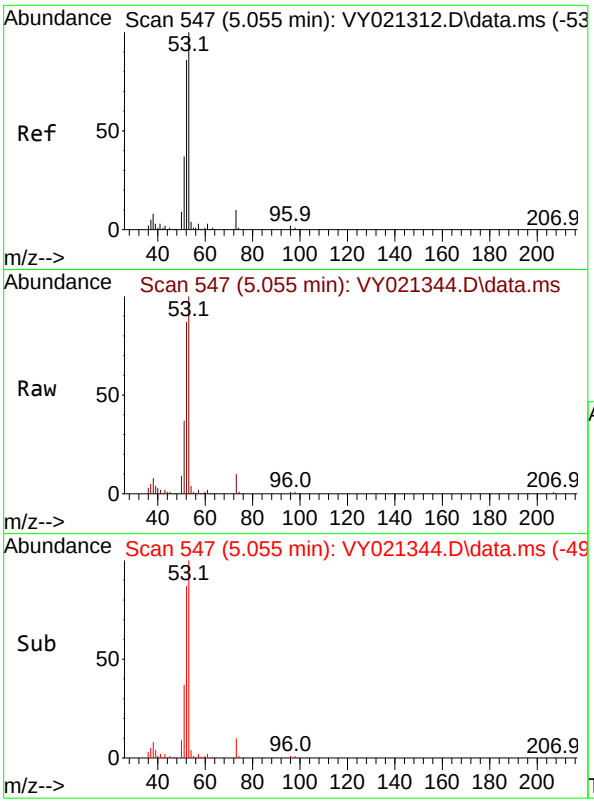




#14
Allyl chloride
Concen: 49.143 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 183341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.0 | 60.0 | 90.0 |
| 76 | 36.6 | 29.0 | 43.6 |



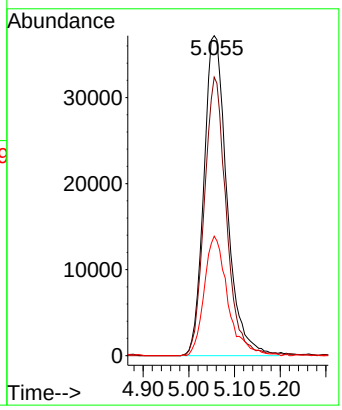


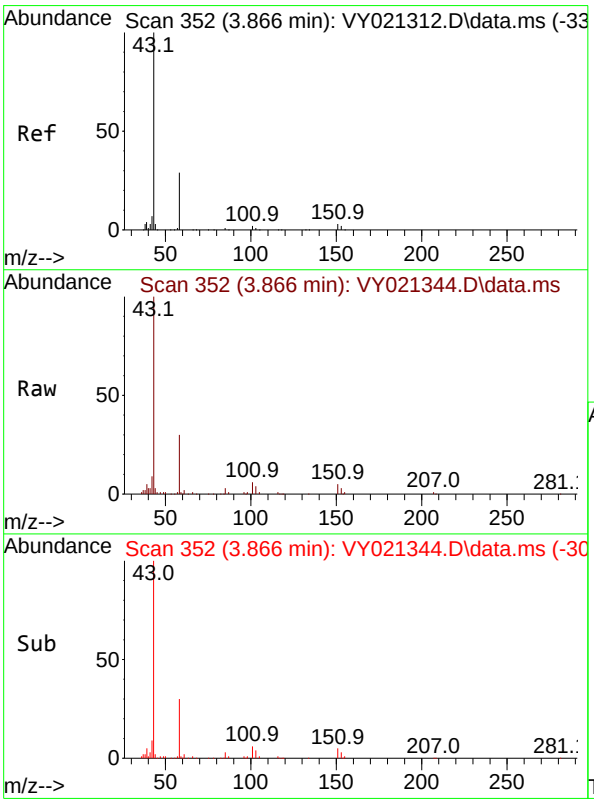

#15
Acrylonitrile
Concen: 259.792 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 130861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.6 | 65.5 | 98.3 |
| 51 | 38.1 | 30.6 | 46.0 |

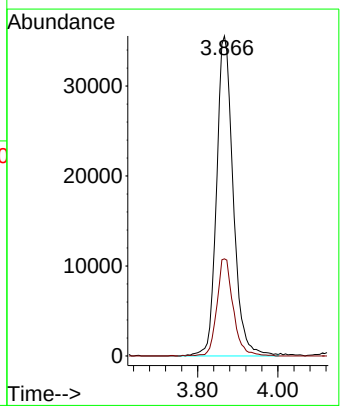


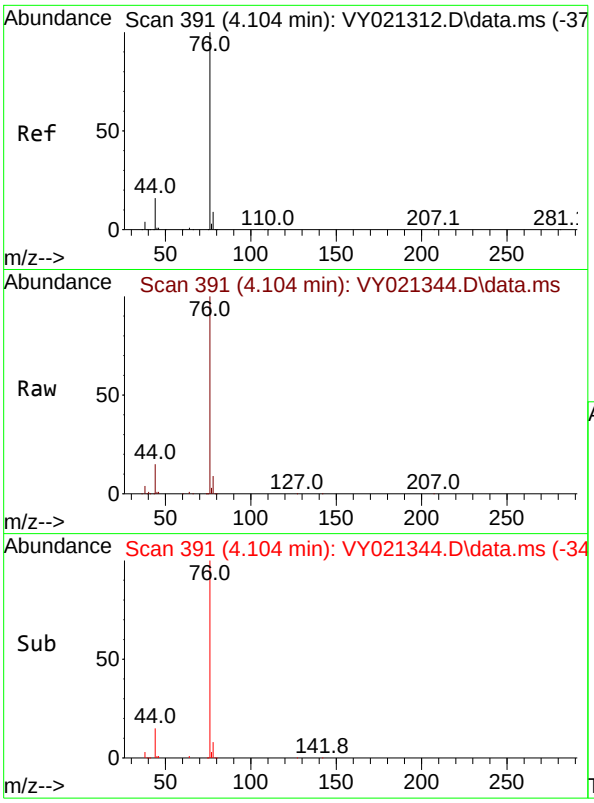




#16
Acetone
Concen: 224.914 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 102355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.4 | 23.5 | 35.3 |



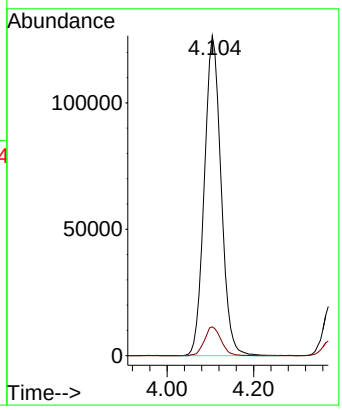


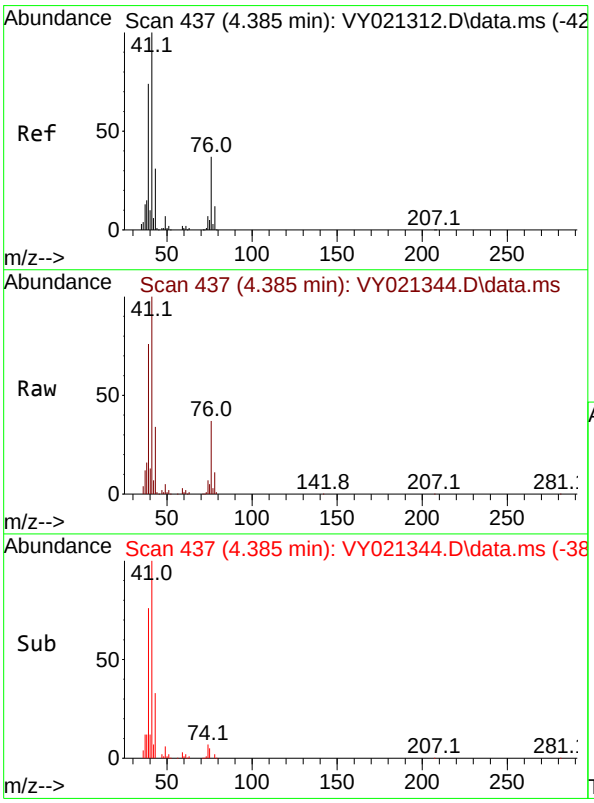

#17
Carbon Disulfide
Concen: 48.671 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 340079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.1 | 10.7 |

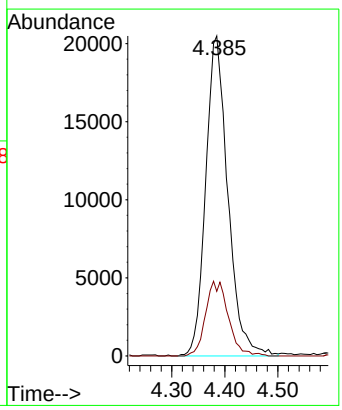


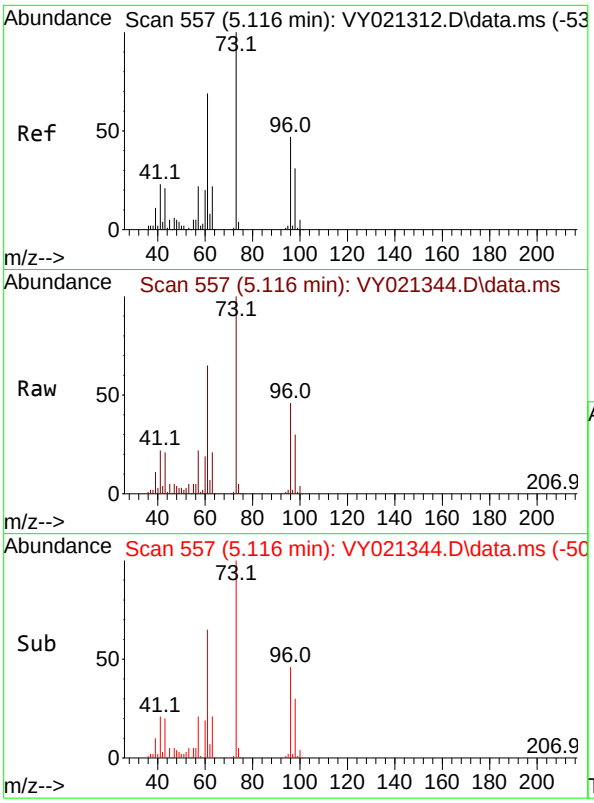




#18
Methyl Acetate
Concen: 53.445 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 59440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.0 | 17.7 | 26.5 |



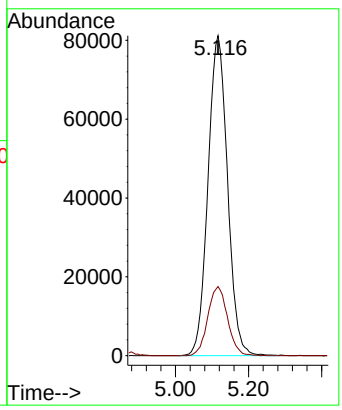


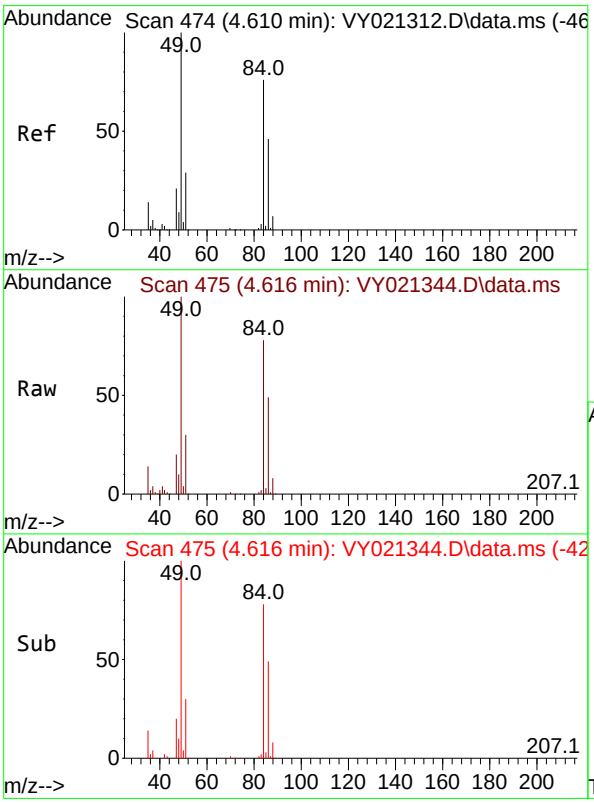

#19
Methyl tert-butyl Ether
Concen: 54.123 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 300902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 17.4 | 26.0 |

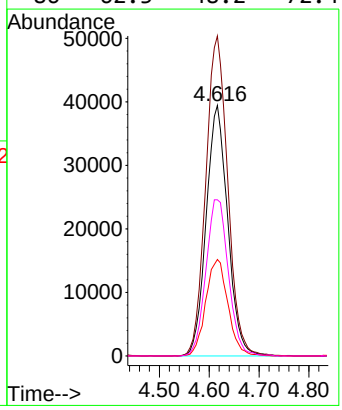


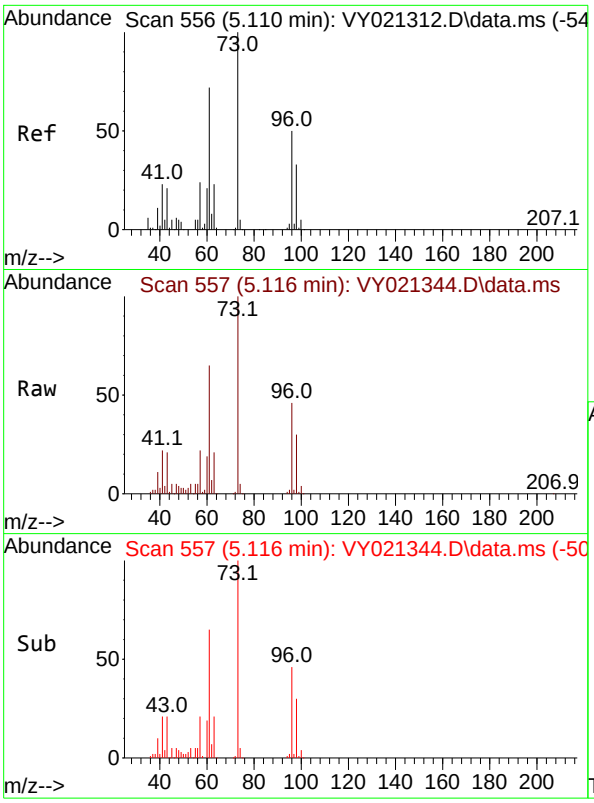




#20
Methylene Chloride
Concen: 48.152 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 84 Resp: 118498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.7 | 105.1 | 157.7 |
| 51 | 38.5 | 31.0 | 46.4 |
| 86 | 62.3 | 48.2 | 72.4 |



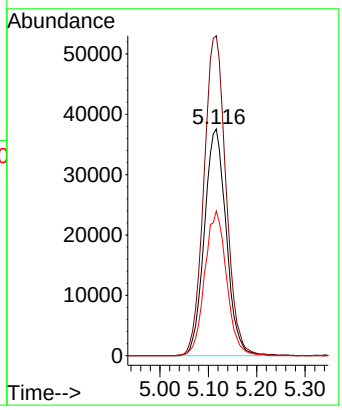


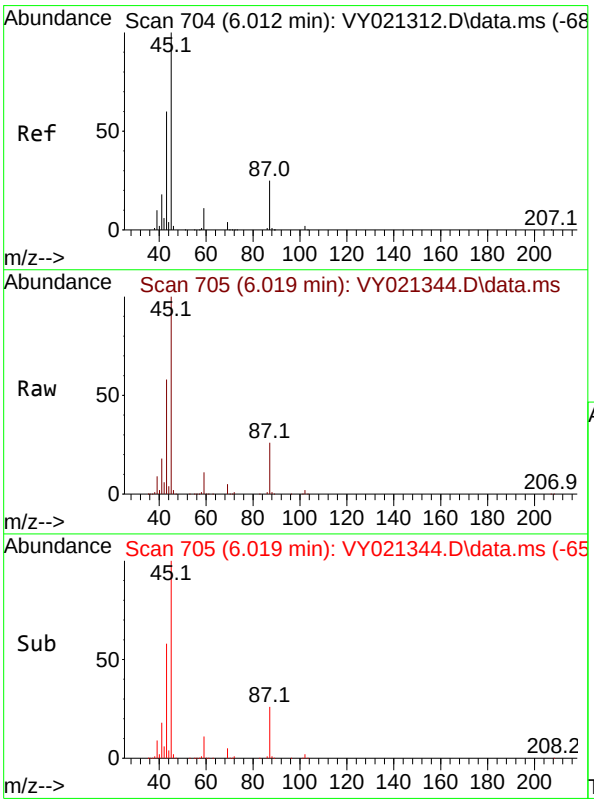

#21
trans-1,2-Dichloroethene
Concen: 51.077 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 118319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.0 | 116.3 | 174.5 |
| 98 | 63.8 | 52.6 | 78.8 |

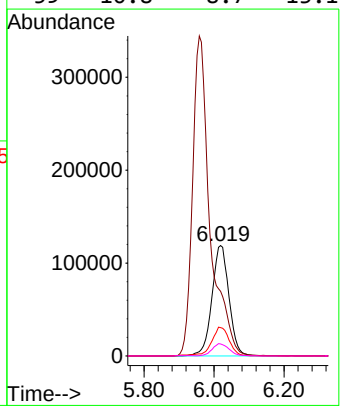


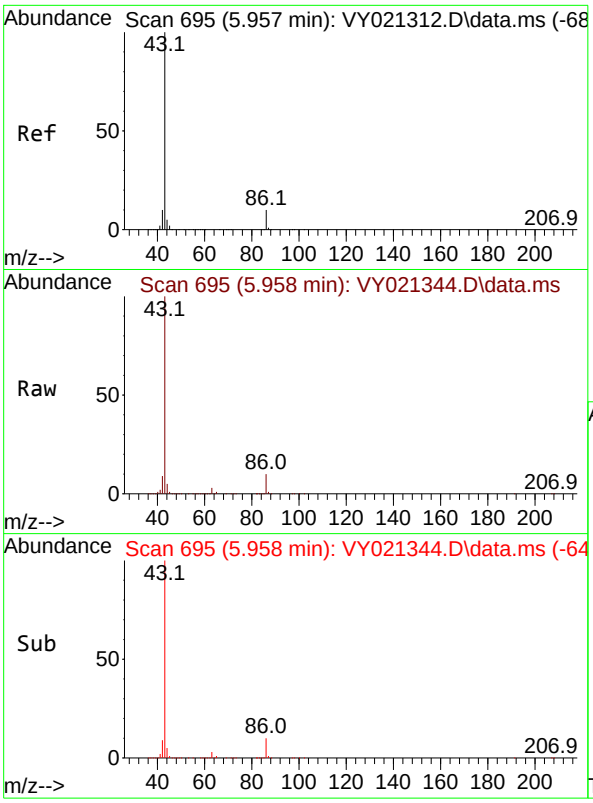




#22
Diisopropyl ether
Concen: 52.185 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 45 Resp: 402879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 58.1 | 48.2 | 72.4 |
| 87 | 25.7 | 20.3 | 30.5 |
| 59 | 10.8 | 8.7 | 13.1 |



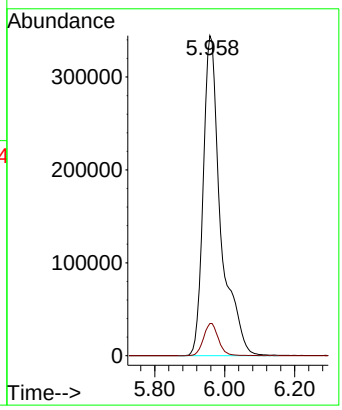


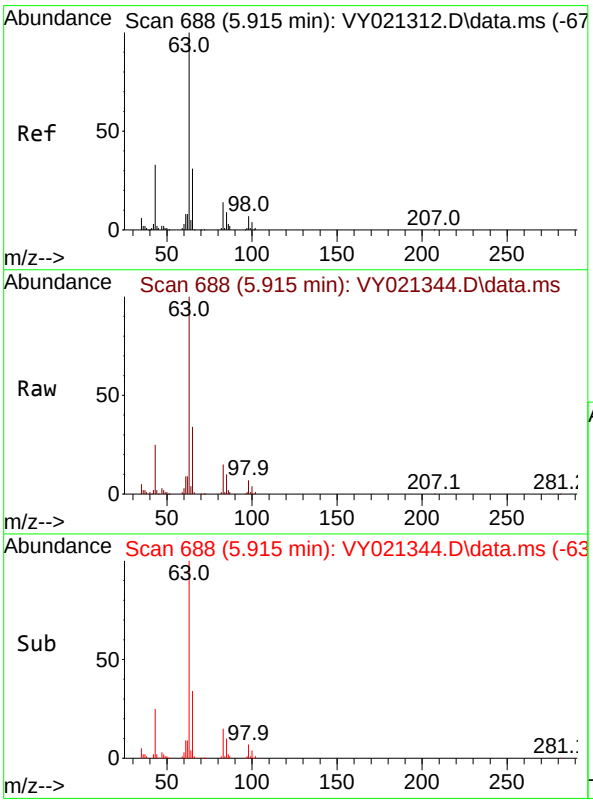

#23
Vinyl Acetate
Concen: 259.062 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1195161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 8.0 | 12.0 |

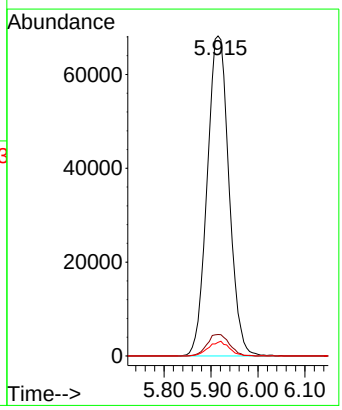


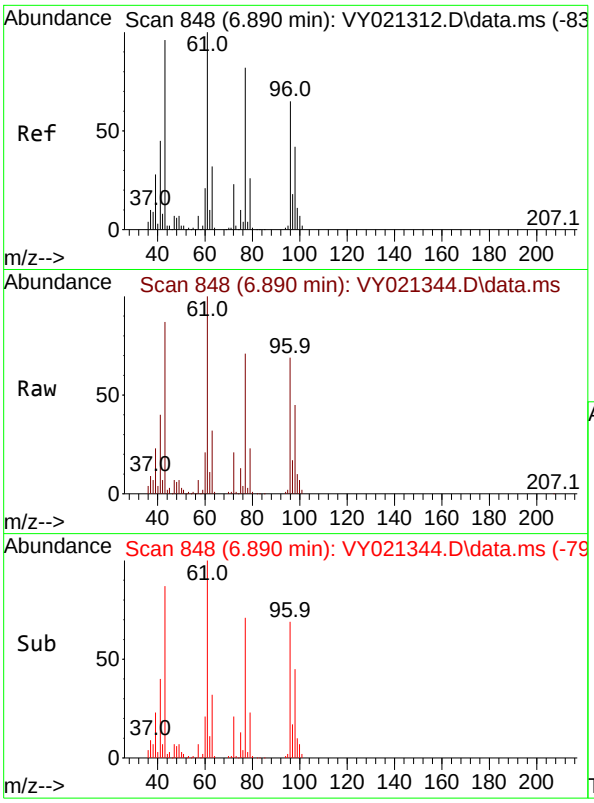




#24
1,1-Dichloroethane
Concen: 50.498 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 219734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.7 | 3.7 | 11.1 |
| 100 | 4.3 | 2.1 | 6.5 |



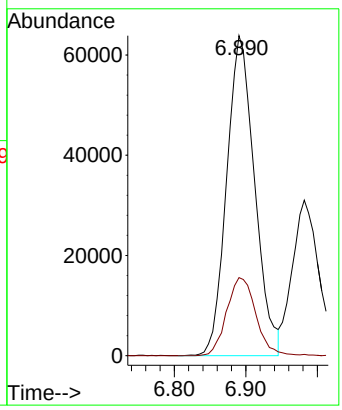


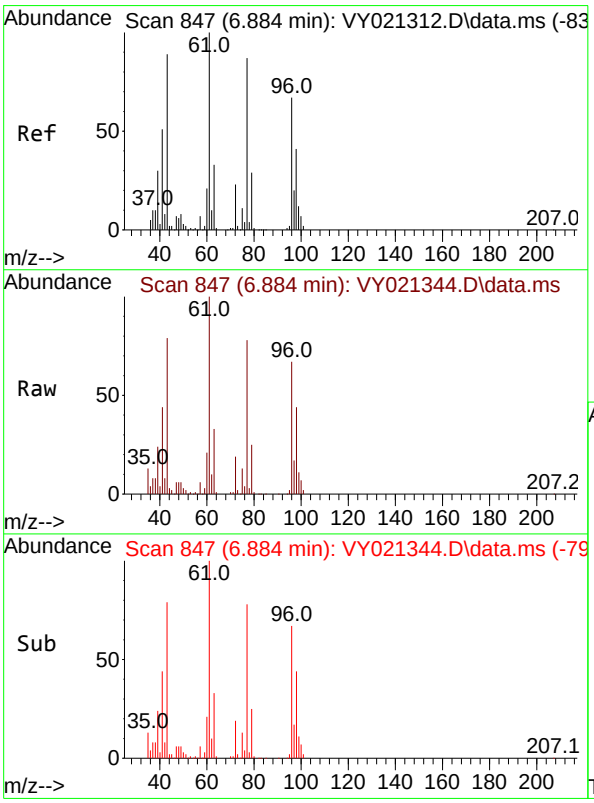

#25
2-Butanone
Concen: 253.286 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 173965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.4 | 19.0 | 28.6 |

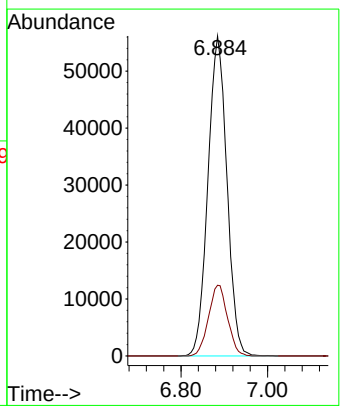


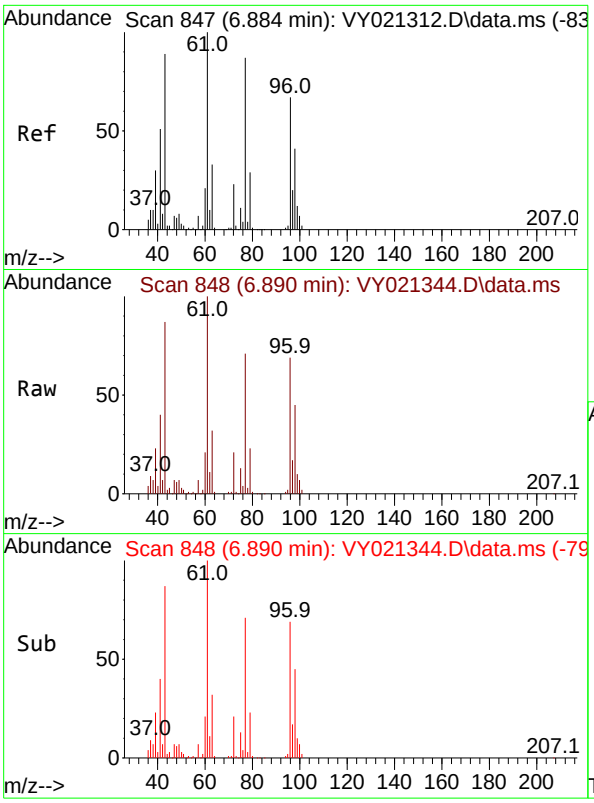




#26
2,2-Dichloropropane
Concen: 43.292 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 77 Resp: 170930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 10.9 | 32.7 |



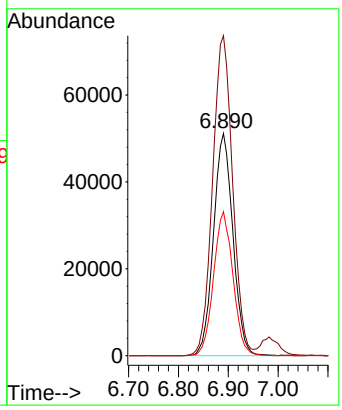


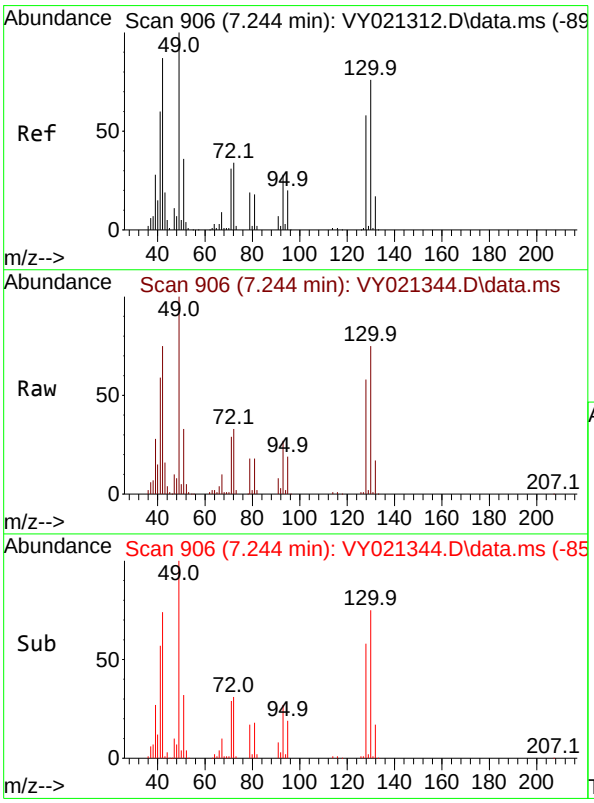

#27
cis-1,2-Dichloroethene
Concen: 52.447 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 138734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.9 | 0.0 | 308.0 |
| 98 | 64.7 | 0.0 | 129.6 |

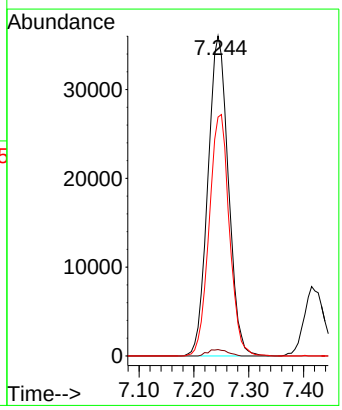


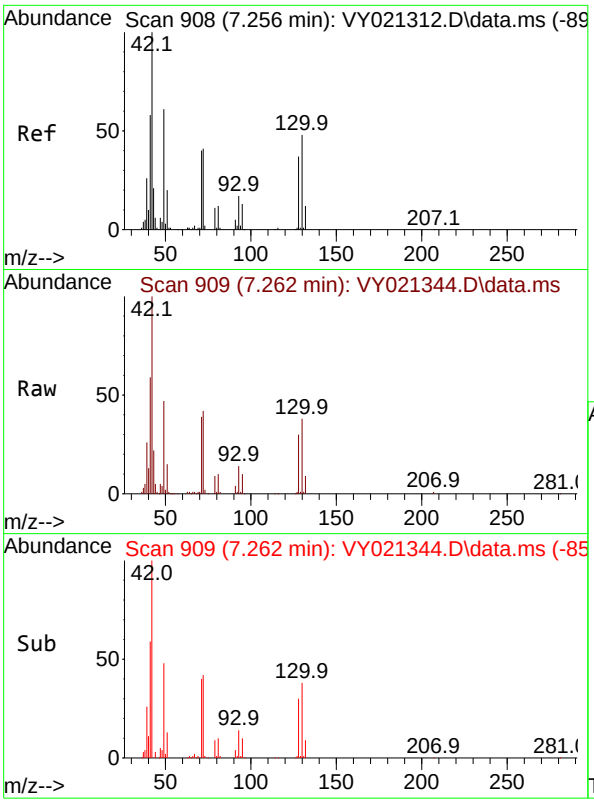




#28
Bromochloromethane
Concen: 48.465 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 49 Resp: 93313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 74.6 | 57.8 | 86.6 |



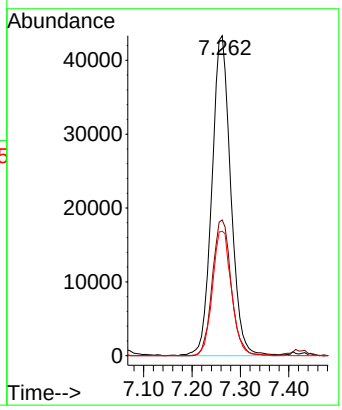


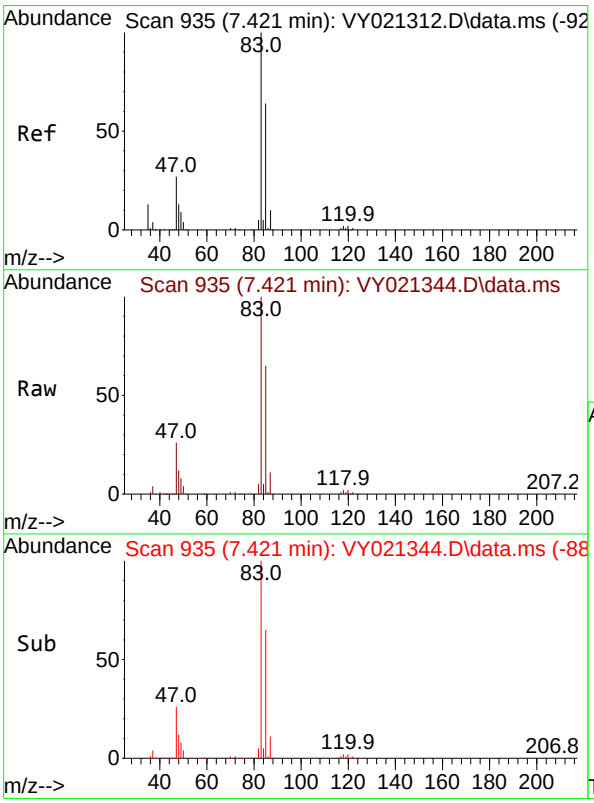

#29
Tetrahydrofuran
Concen: 261.209 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 117269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.4 | 33.1 | 49.7 |
| 71 | 39.3 | 31.4 | 47.0 |

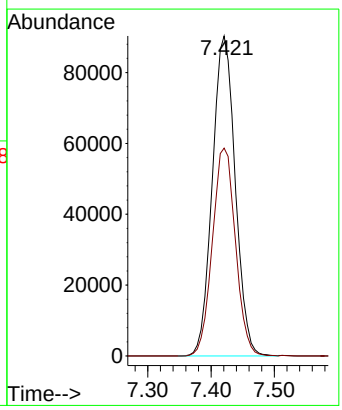


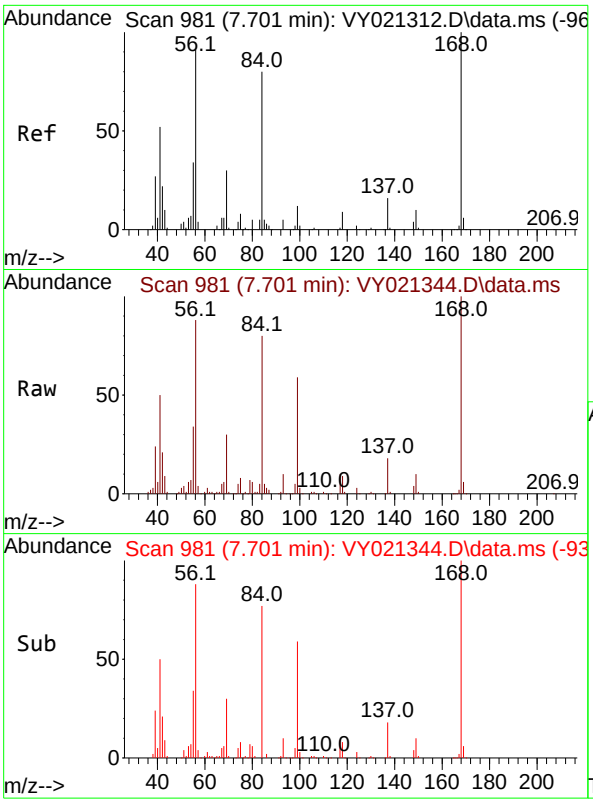




#30
Chloroform
Concen: 51.443 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 226821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 51.6 | 77.4 |



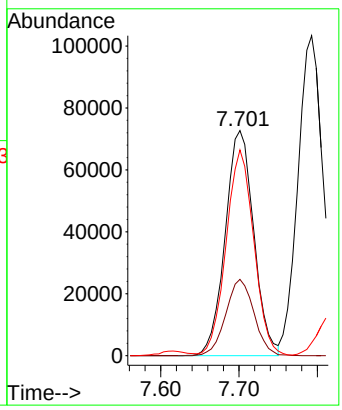


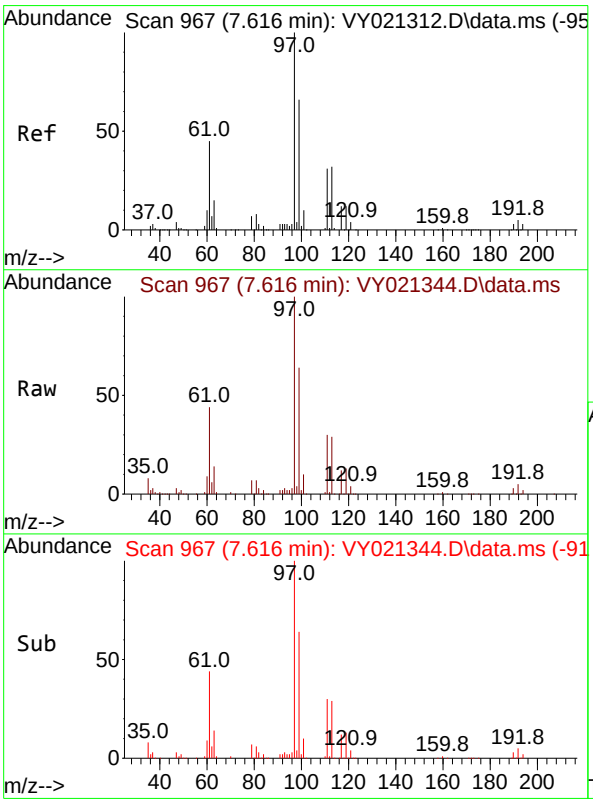

#31
Cyclohexane
Concen: 44.101 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 184463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.9 | 26.2 | 39.4 |
| 84 | 89.5 | 70.2 | 105.4 |

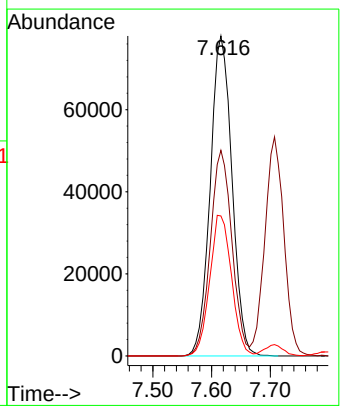


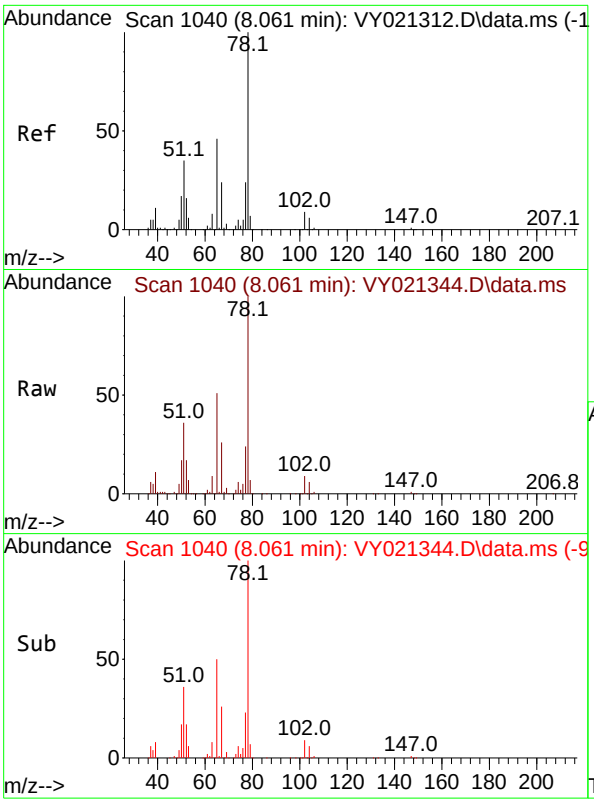




#32
1,1,1-Trichloroethane
Concen: 49.940 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 97 Resp: 200425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 52.4 | 78.6 |
| 61 | 44.2 | 36.2 | 54.2 |



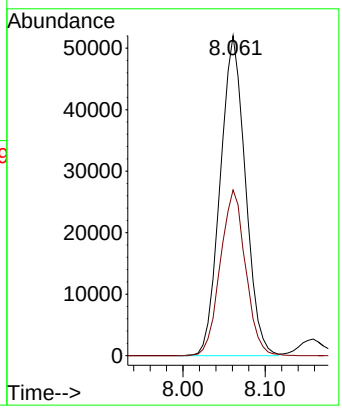


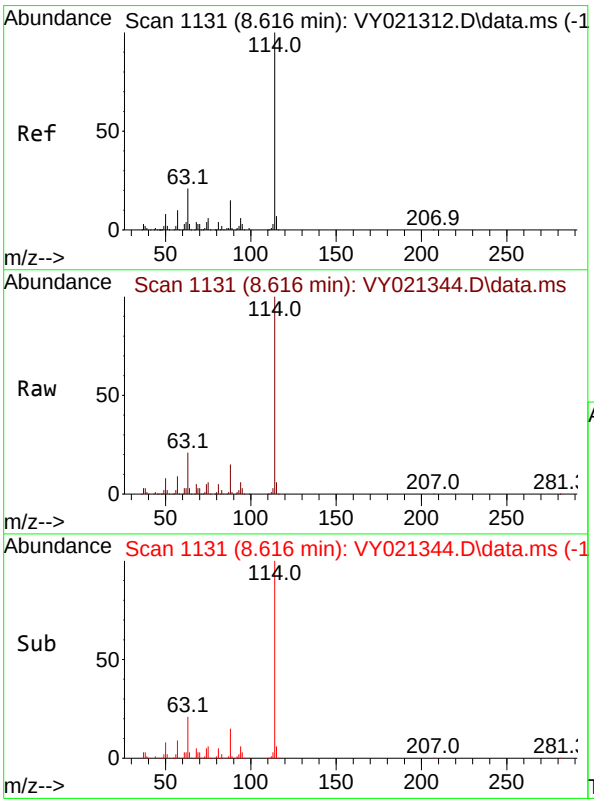

#33
1,2-Dichloroethane-d4
Concen: 46.619 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 110600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 103.6 |

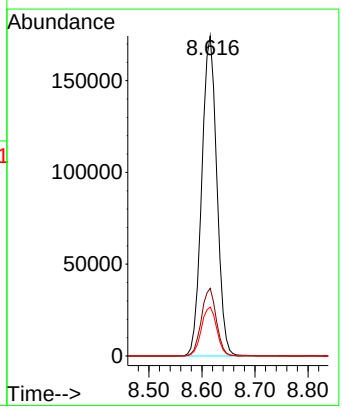


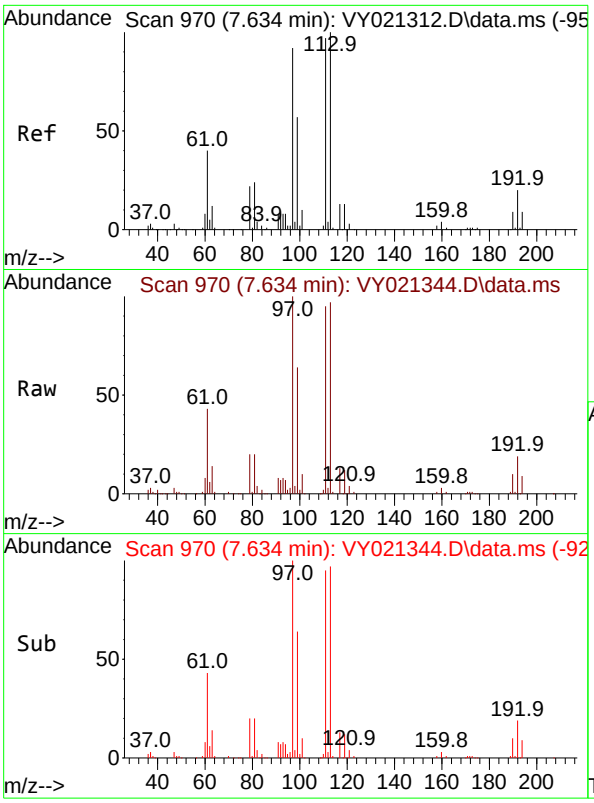




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:114 Resp: 343428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 42.2 |
| 88 | 15.3 | 0.0 | 29.8 |



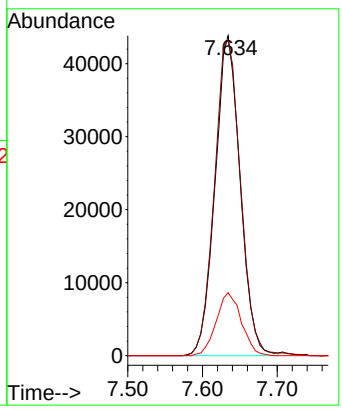


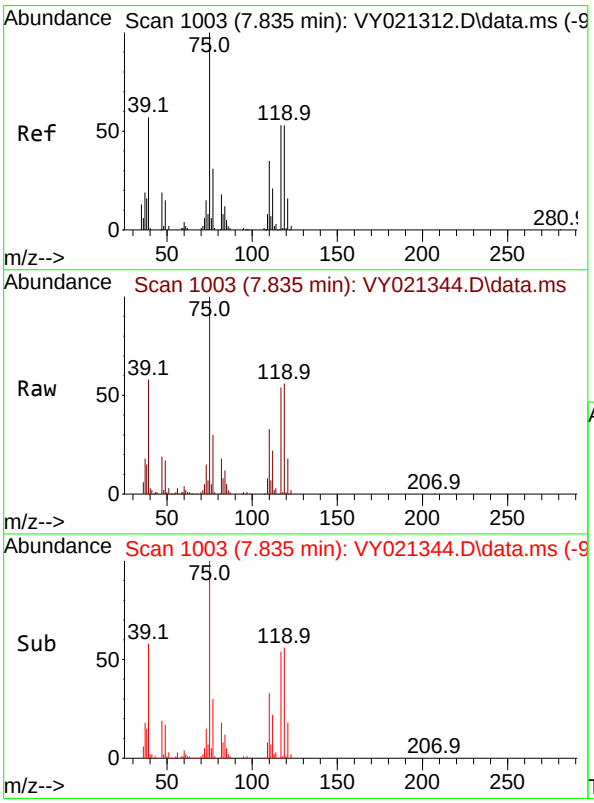

#35
Dibromofluoromethane
Concen: 45.429 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 102286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.9 | 81.0 | 121.6 |
| 192 | 19.8 | 15.8 | 23.8 |

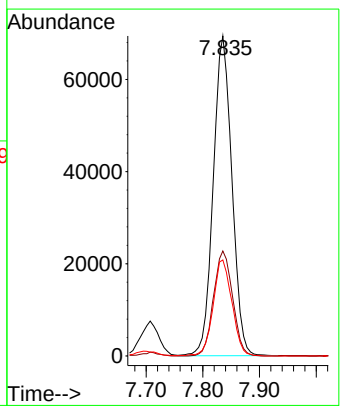


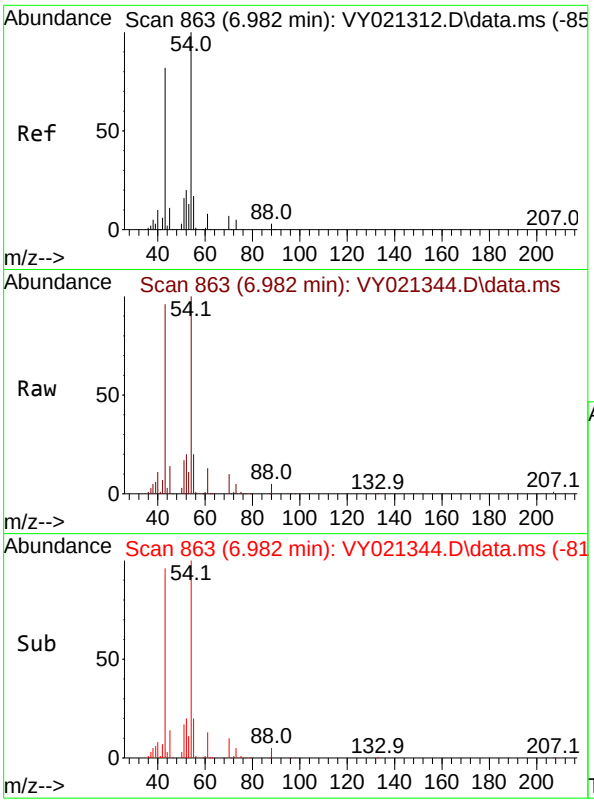




#36
1,1-Dichloropropene
Concen: 46.928 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 158713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.5 | 16.9 | 50.7 |
| 77 | 30.3 | 24.6 | 36.8 |



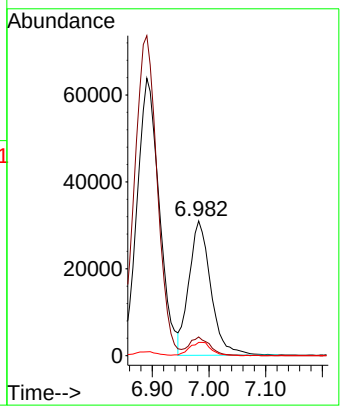


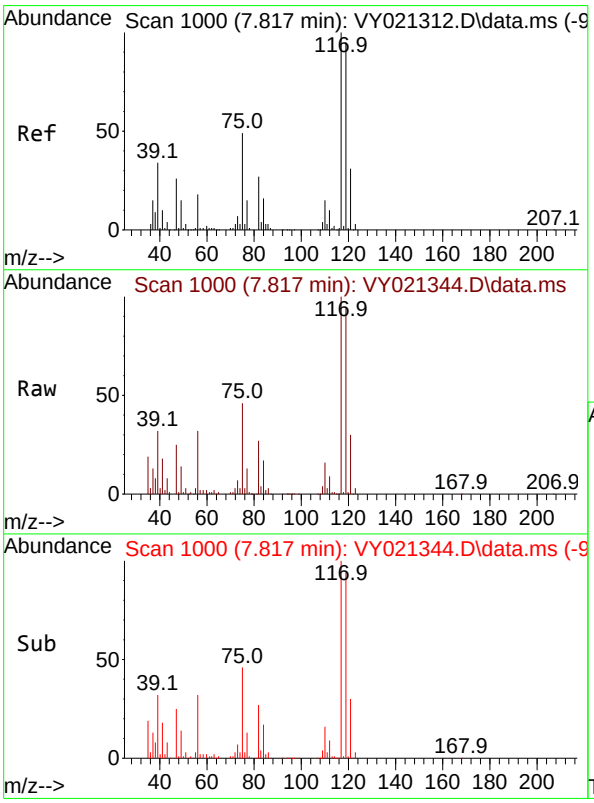

#37
Ethyl Acetate
Concen: 48.999 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 82433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.8 | 10.4 | 15.6 |
| 70 | 10.0 | 7.5 | 11.3 |

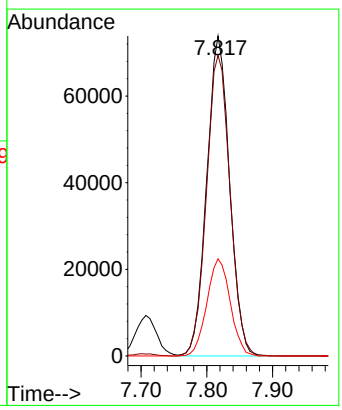


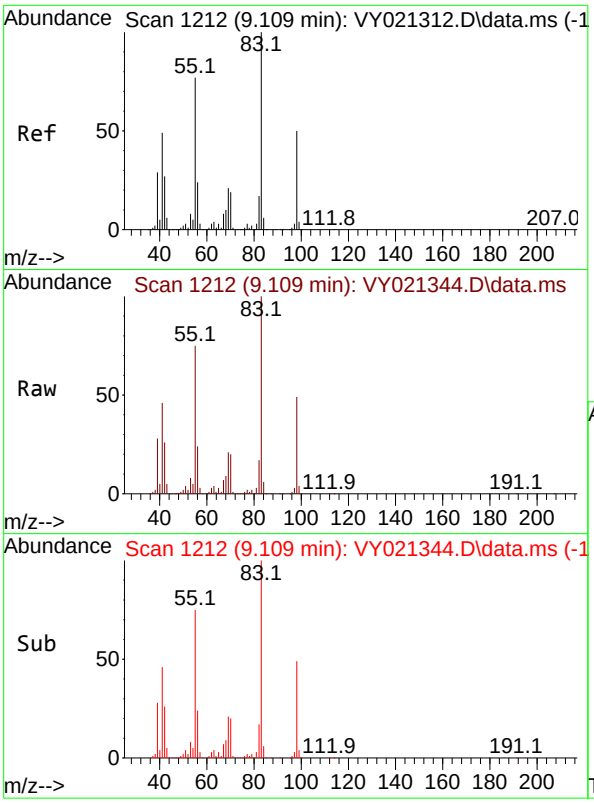




#38
Carbon Tetrachloride
Concen: 46.933 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 178448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.9 | 76.0 | 114.0 |
| 121 | 30.4 | 24.9 | 37.3 |



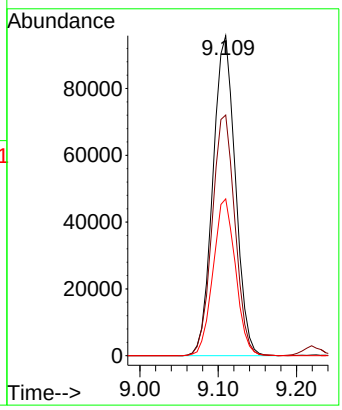


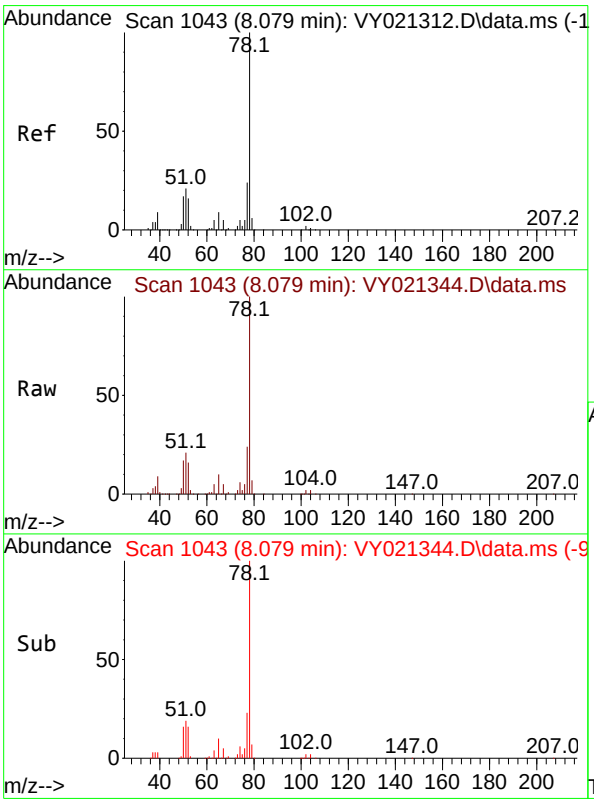

#39
Methylcyclohexane
Concen: 44.707 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 191242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.2 | 61.3 | 91.9 |
| 98 | 49.0 | 39.9 | 59.9 |

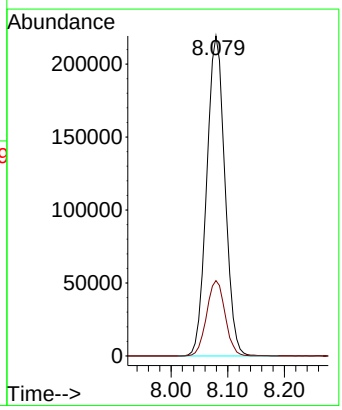


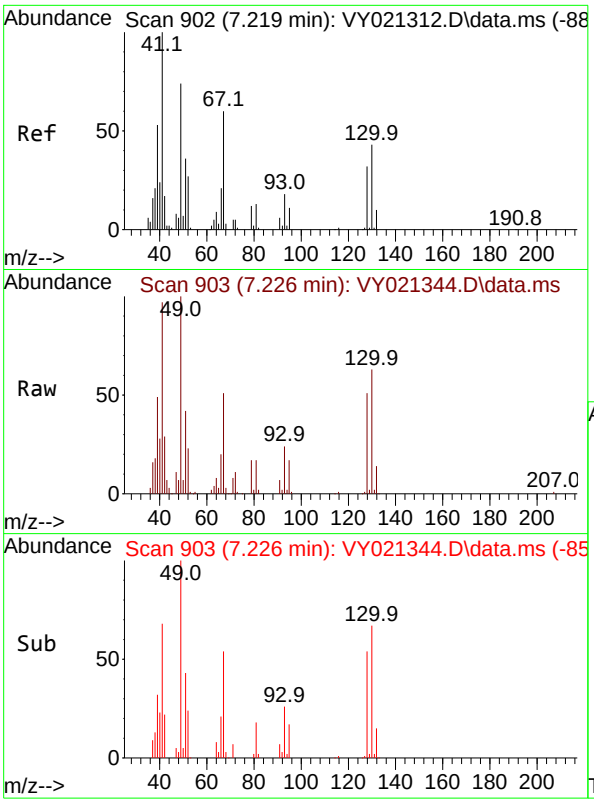




#40
Benzene
Concen: 48.823 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 78 Resp: 488113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.6 | 19.2 | 28.8 |



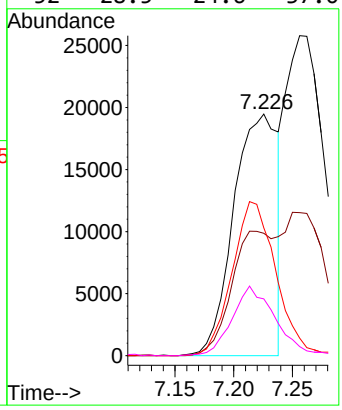


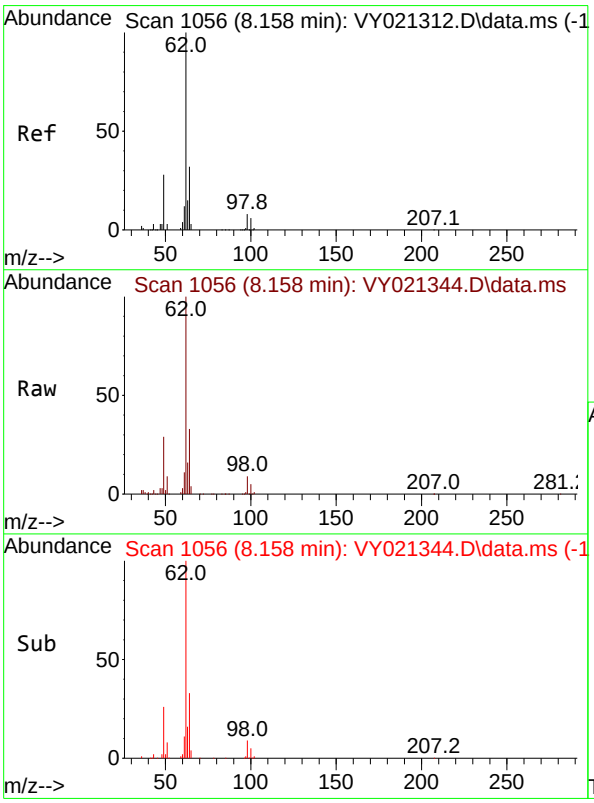

#41
Methacrylonitrile
Concen: 54.039 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 50830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 46.4 | 42.3 | 63.5 |
| 67 | 63.7 | 54.8 | 82.2 |
| 52 | 28.5 | 24.6 | 37.0 |

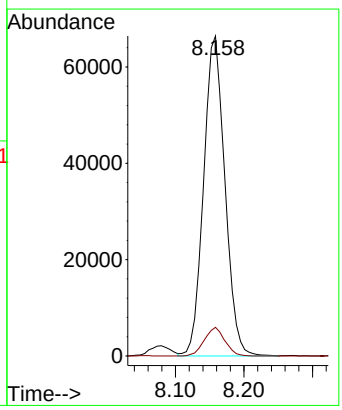


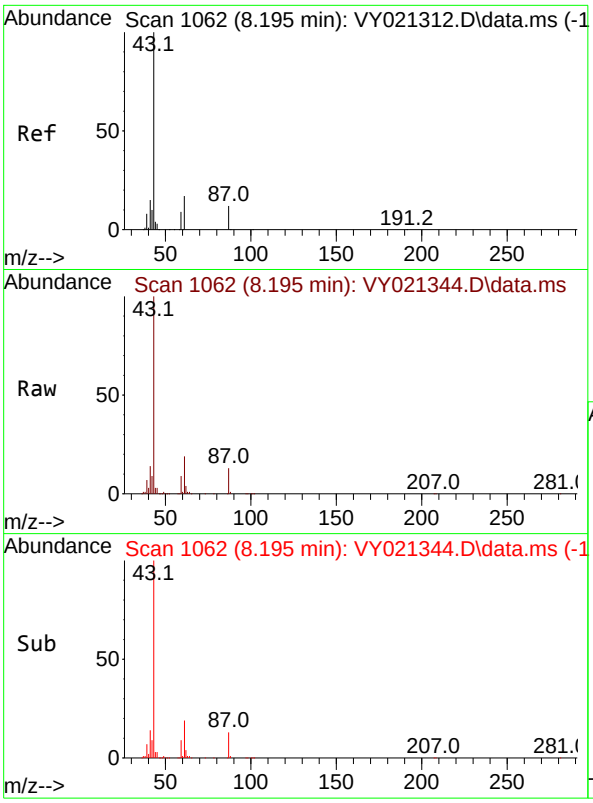




#42
1,2-Dichloroethane
Concen: 50.672 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 143731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 17.6 |



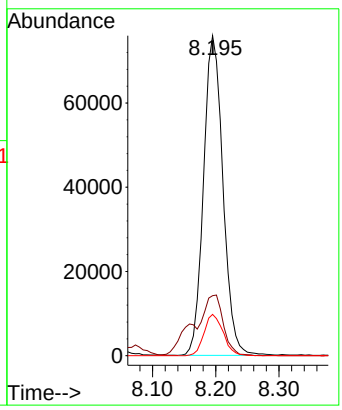


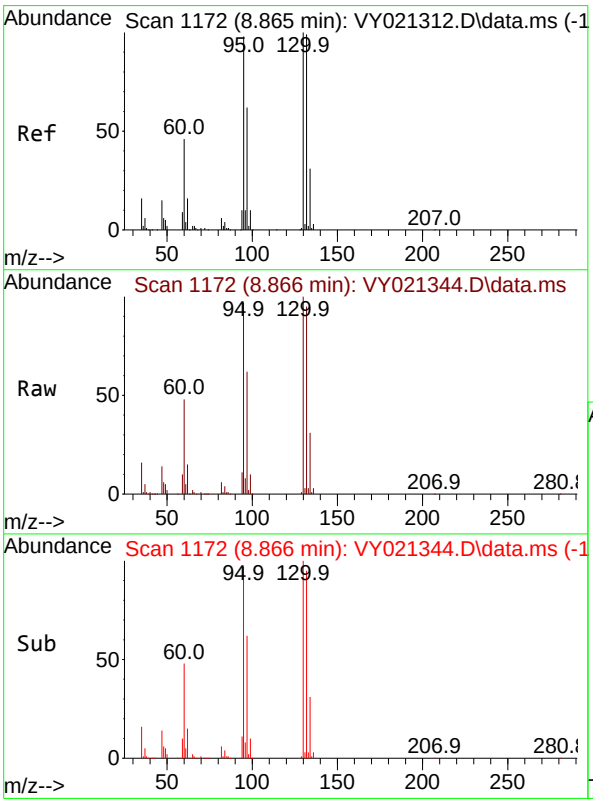

#43
Isopropyl Acetate
Concen: 49.861 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 162361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.5 | 15.0 | 22.6 |
| 87 | 12.7 | 10.0 | 15.0 |

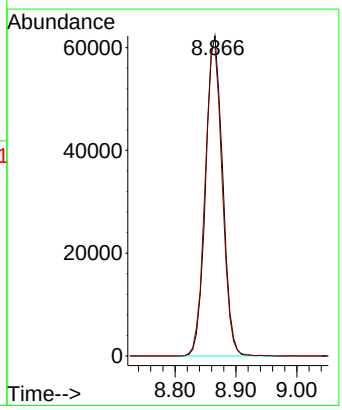


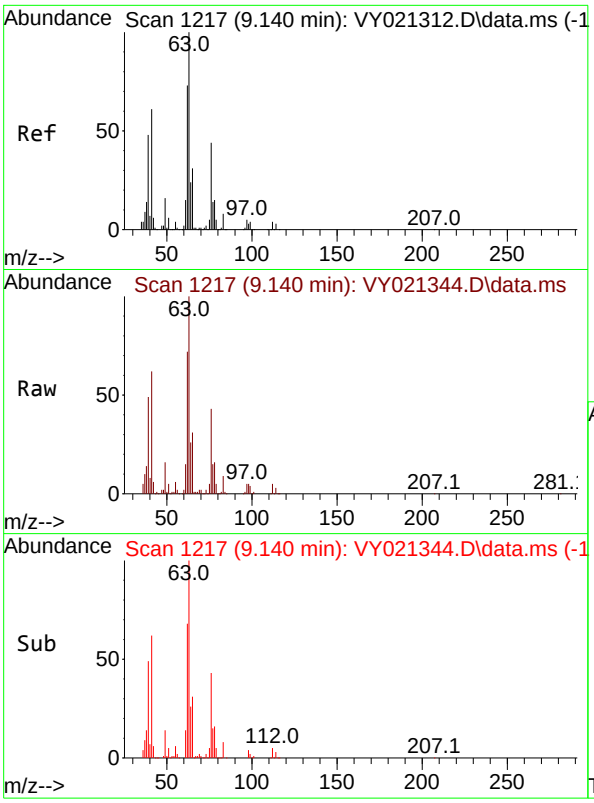




#44
Trichloroethene
Concen: 48.271 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:130 Resp: 120825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.6 | 0.0 | 196.0 |



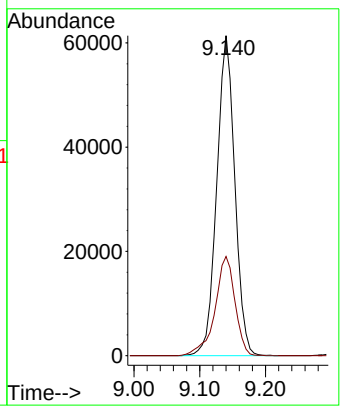


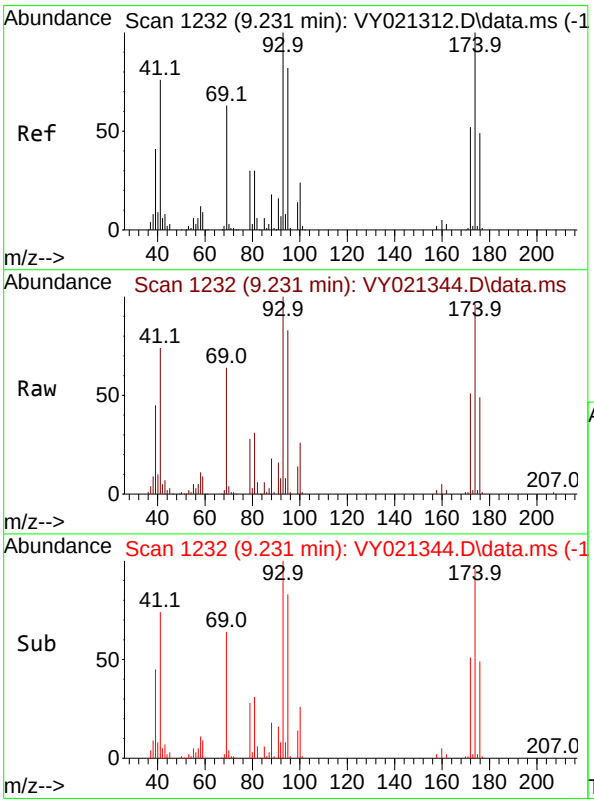

#45
1,2-Dichloropropane
Concen: 48.736 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 117257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.0 | 24.6 | 36.8 |

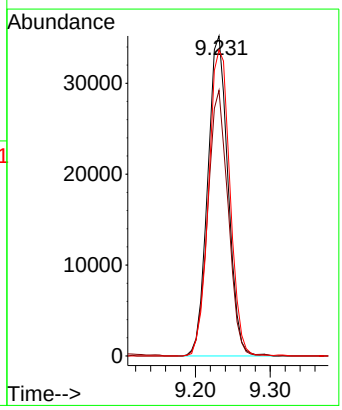


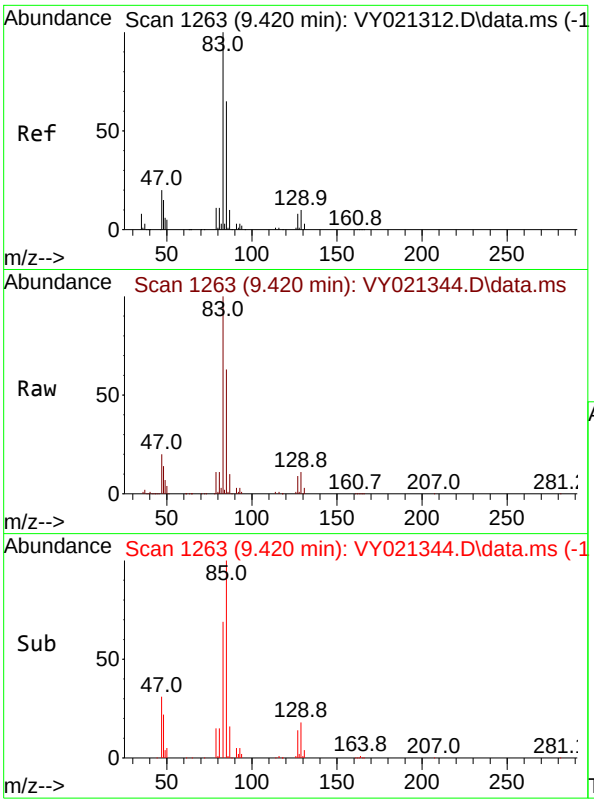




#46
Dibromomethane
Concen: 50.499 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 93 Resp: 66414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 66.4 | 99.6 |
| 174 | 100.3 | 78.2 | 117.2 |



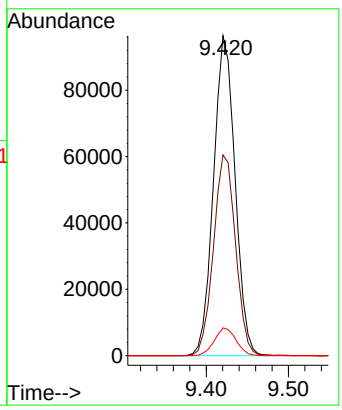


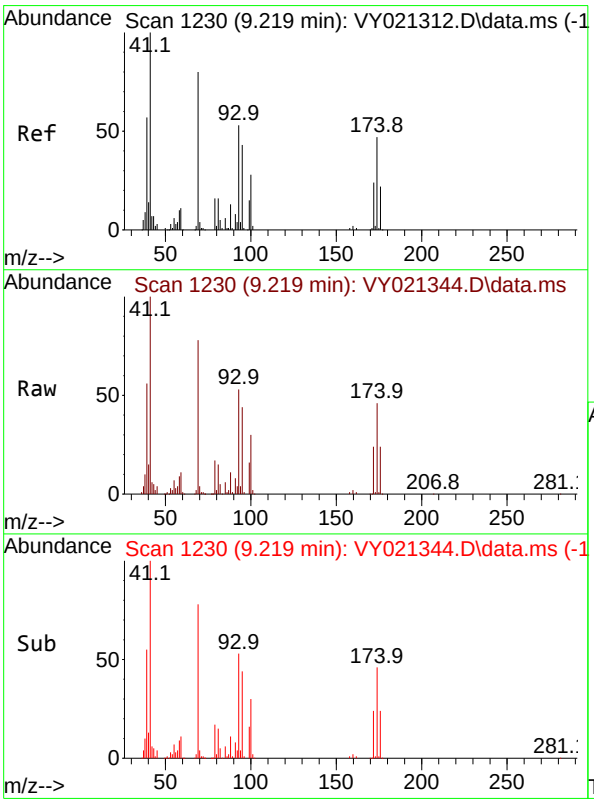

#47
Bromodichloromethane
Concen: 50.086 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 175634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.8 | 51.8 | 77.8 |
| 127 | 8.7 | 6.7 | 10.1 |

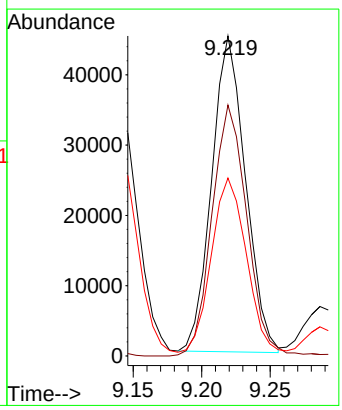


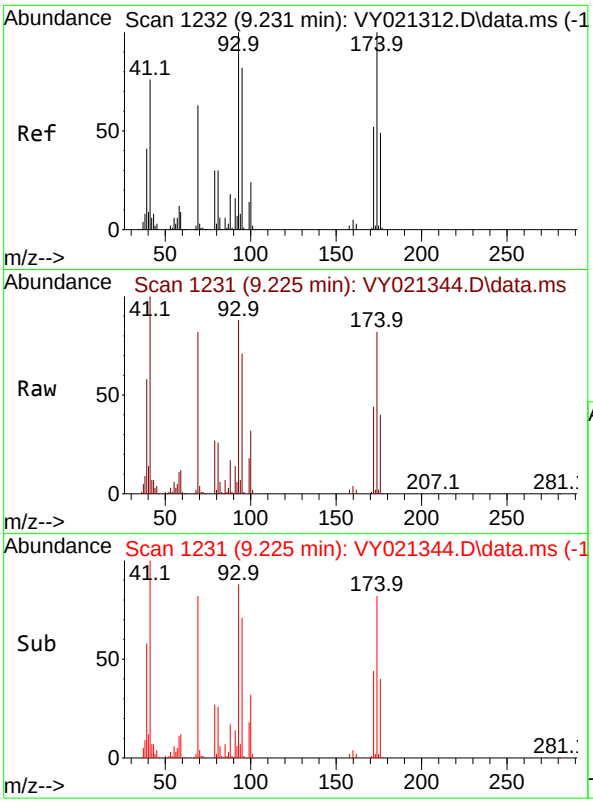




#48
Methyl methacrylate
Concen: 50.619 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 77080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.7 | 63.3 | 94.9 |
| 39 | 57.1 | 45.0 | 67.6 |



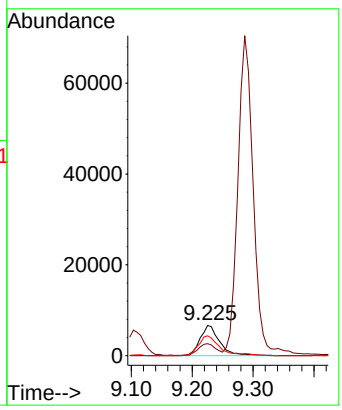


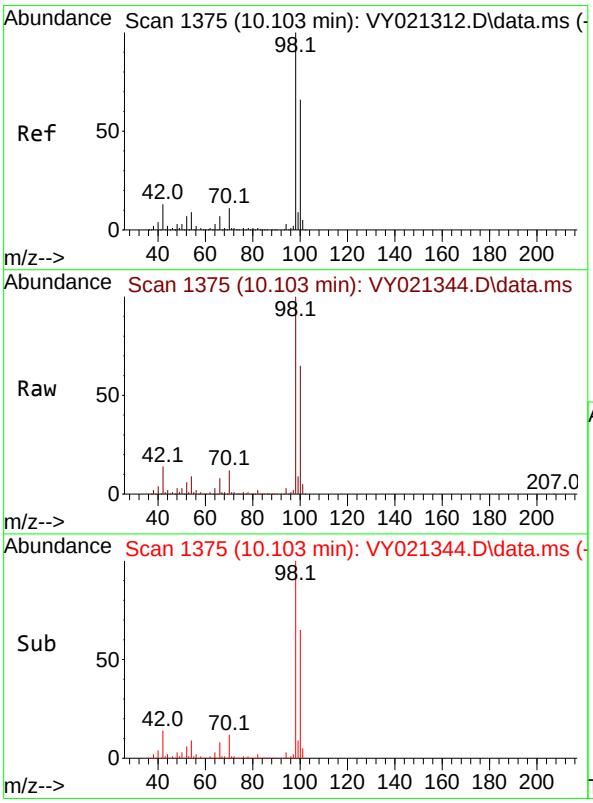

#49
1,4-Dioxane
Concen: 1015.844 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 14855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 34.7 | 34.8 | 52.2# |
| 58 | 72.1 | 59.8 | 89.6 |

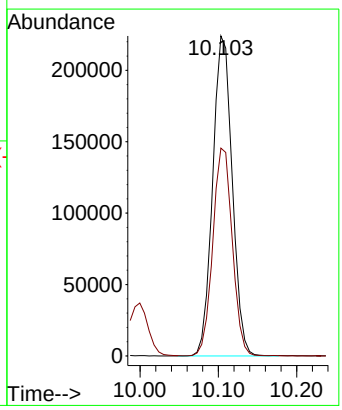


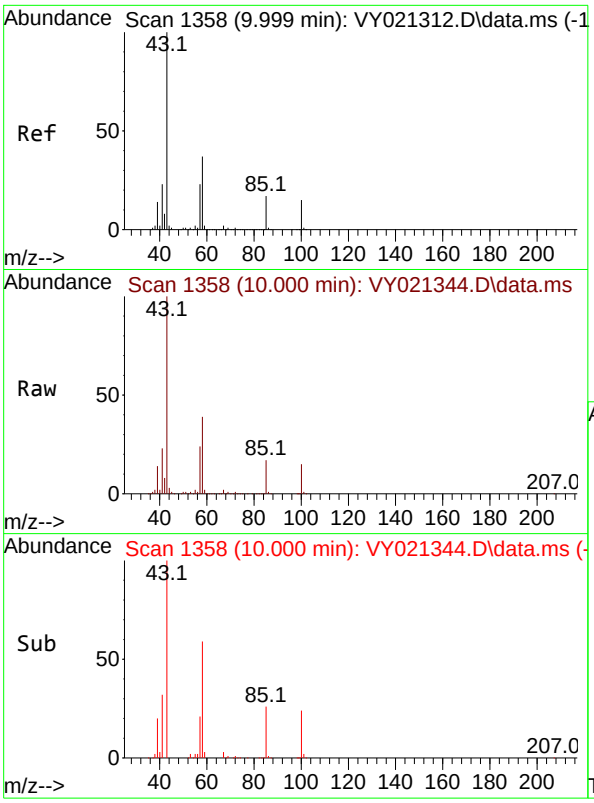




#50
Toluene-d8
Concen: 44.650 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 98 Resp: 388525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 52.4 | 78.6 |



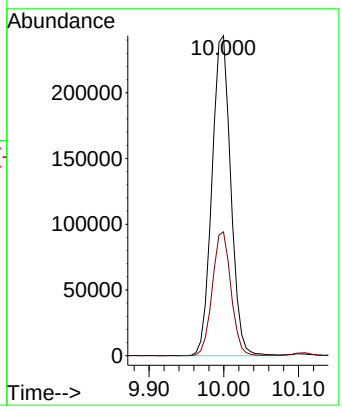


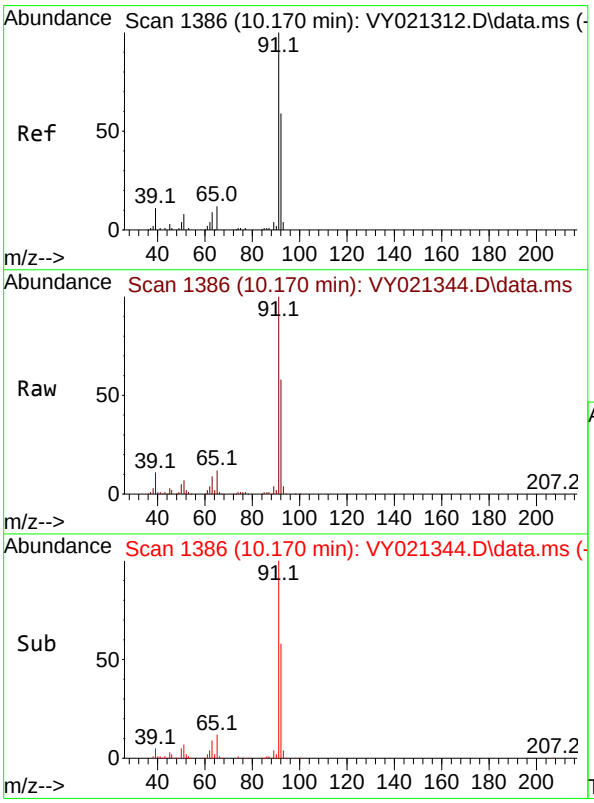

#51
4-Methyl-2-Pentanone
Concen: 254.988 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 425033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.5 | 30.1 | 45.1 |

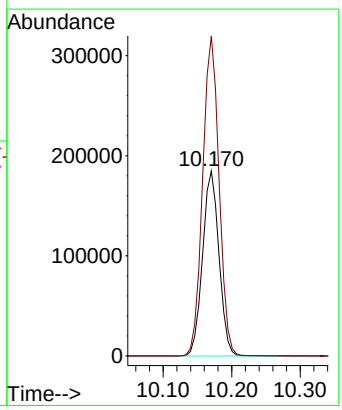


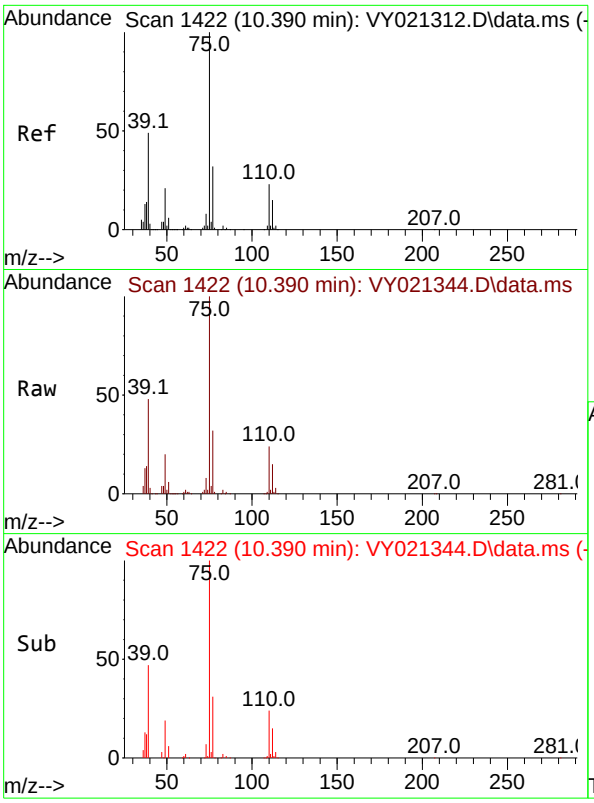




#52
Toluene
Concen: 49.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 92 Resp: 307967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.1 | 137.8 | 206.8 |



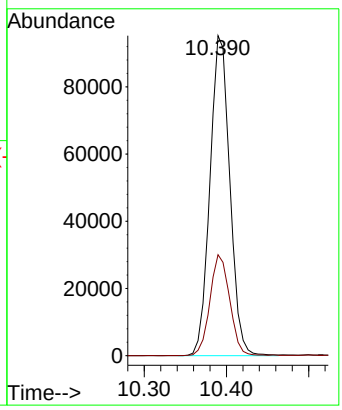


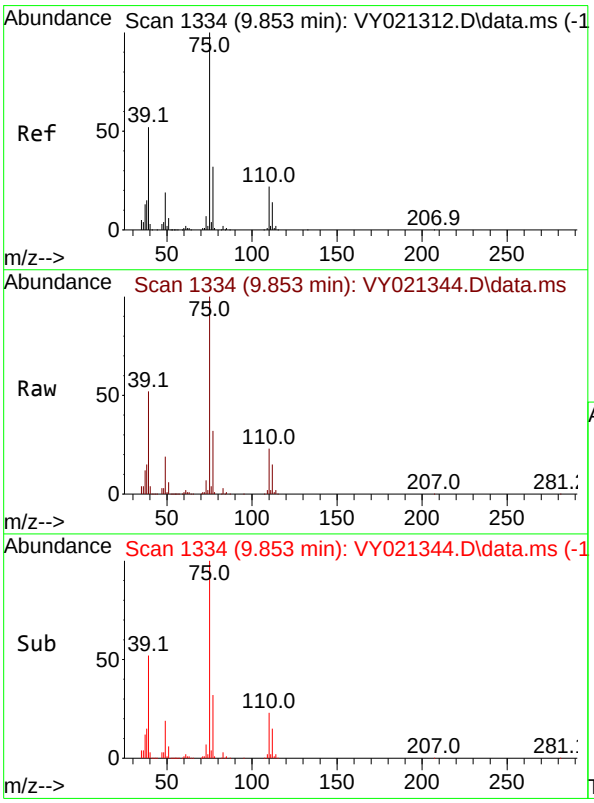

#53
t-1,3-Dichloropropene
Concen: 49.701 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 159678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.3 | 37.9 |

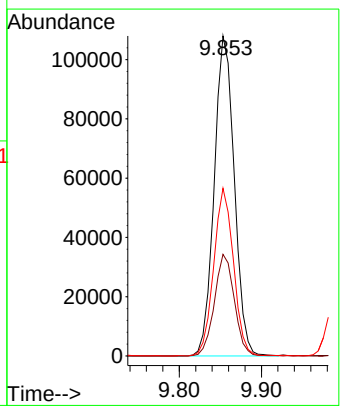


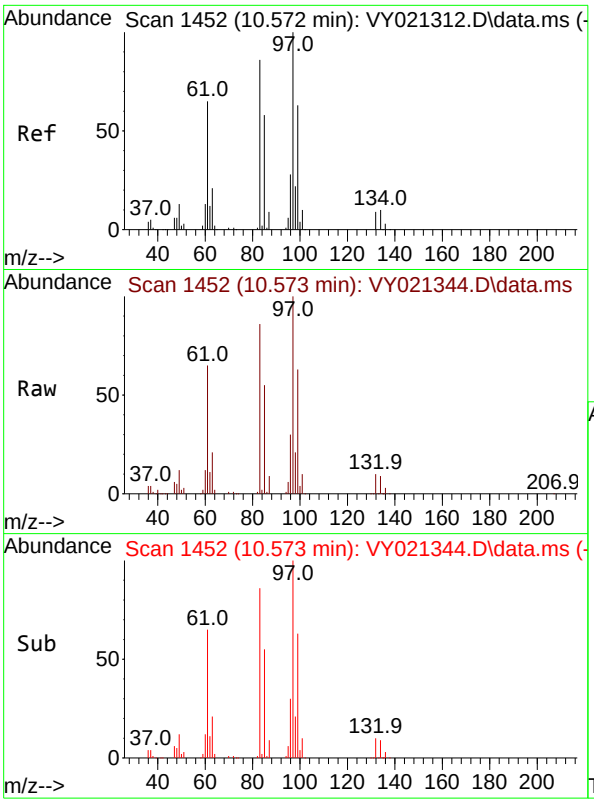




#54
cis-1,3-Dichloropropene
Concen: 48.340 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 183344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.7 | 38.5 |
| 39 | 52.3 | 41.8 | 62.6 |



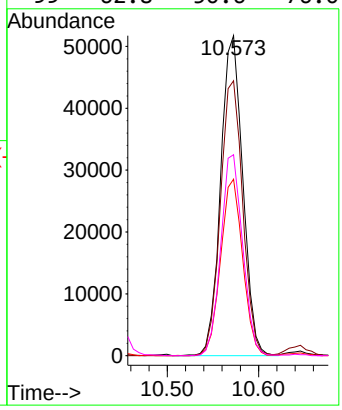


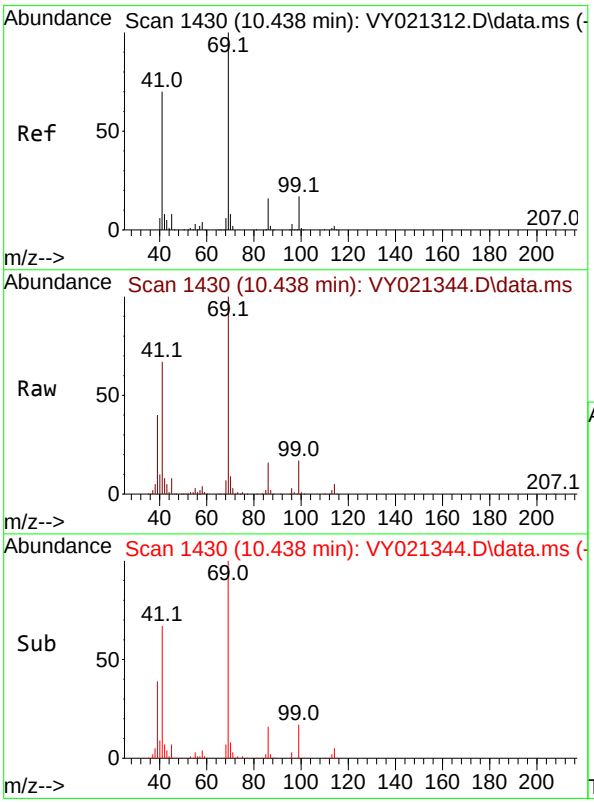

#55
1,1,2-Trichloroethane
Concen: 50.858 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 87133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.9 | 68.7 | 103.1 |
| 85 | 55.1 | 46.3 | 69.5 |
| 99 | 62.8 | 50.6 | 76.0 |

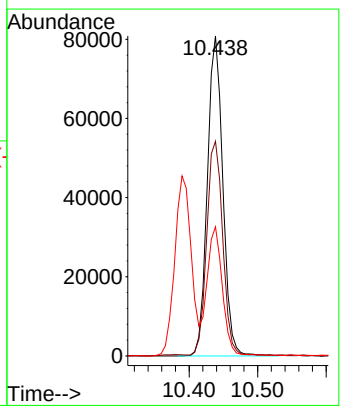


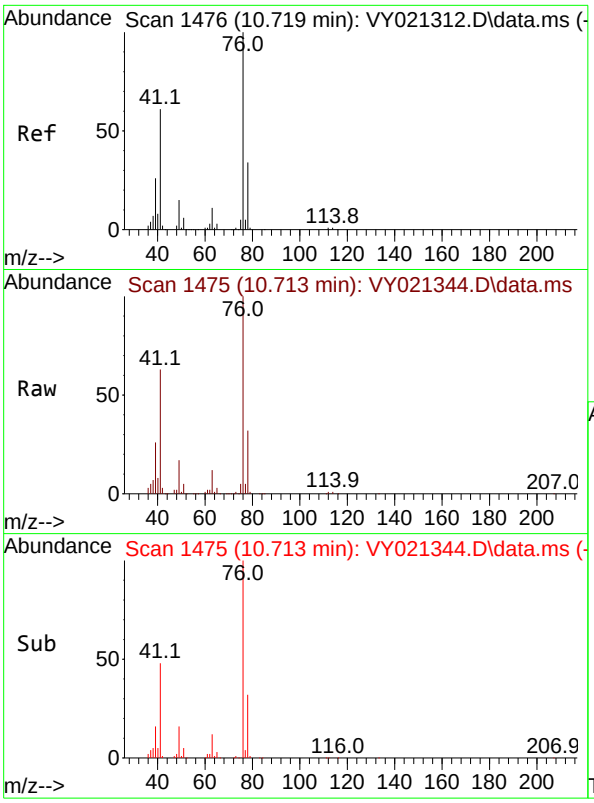




#56
Ethyl methacrylate
Concen: 53.738 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 69 Resp: 127215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.8 | 56.2 | 84.4 |
| 39 | 40.0 | 32.7 | 49.1 |



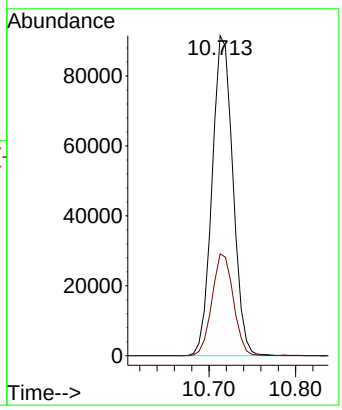


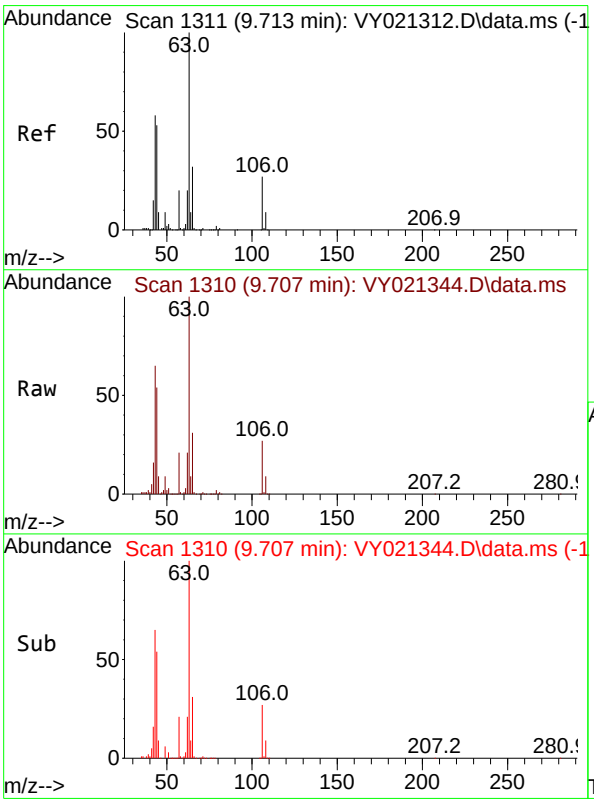

#57
1,3-Dichloropropane
Concen: 50.818 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 152781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 25.9 | 38.9 |

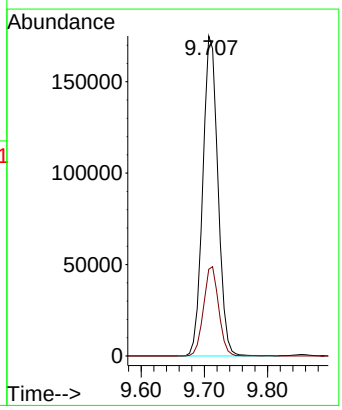


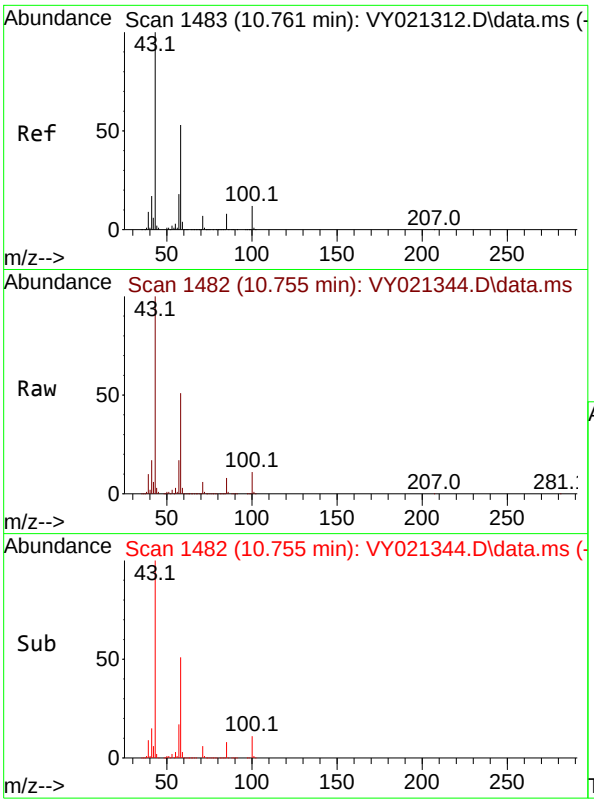




#58
2-Chloroethyl Vinyl ether
Concen: 257.068 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 292101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.9 | 21.7 | 32.5 |



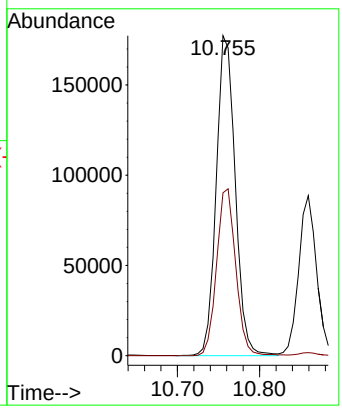


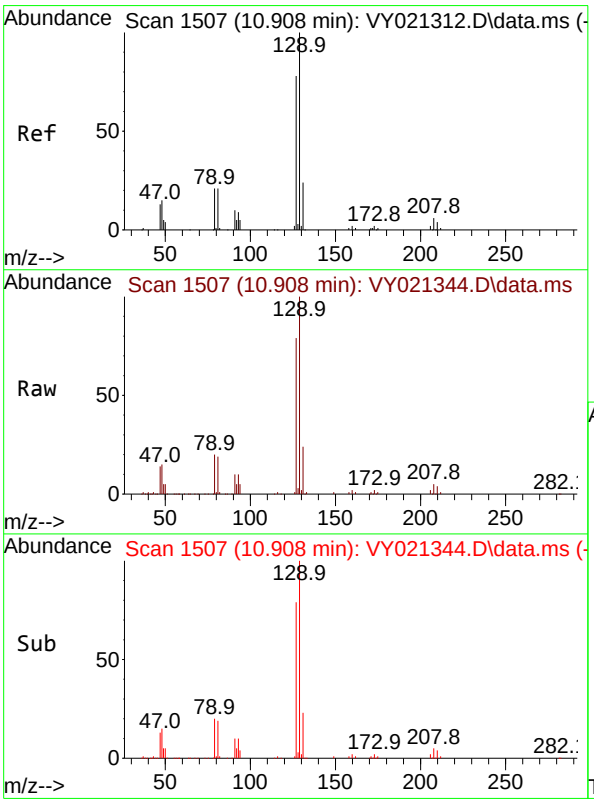

#59
2-Hexanone
Concen: 260.462 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 285133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.7 | 25.9 | 77.6 |

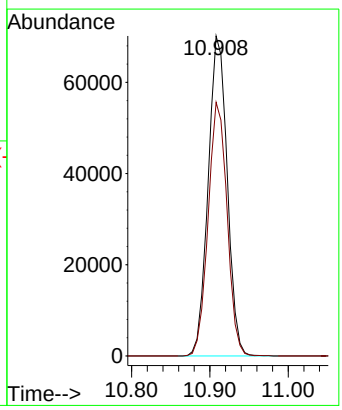


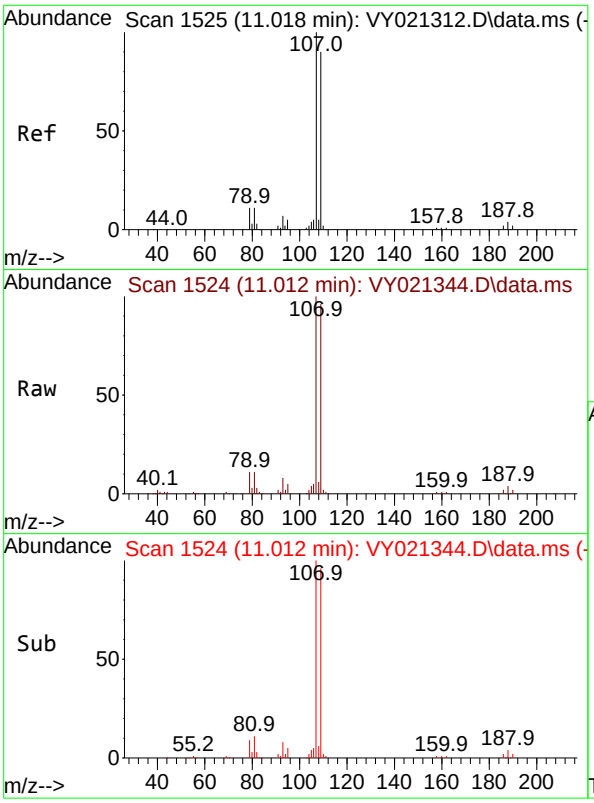




#60
Dibromochloromethane
Concen: 50.788 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:129 Resp: 118508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.8 | 38.8 | 116.4 |



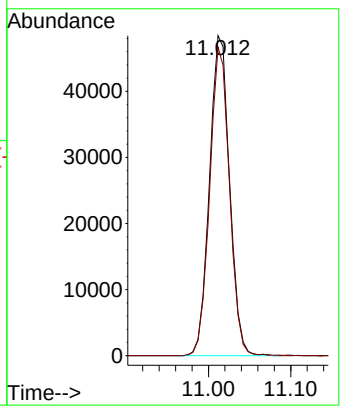


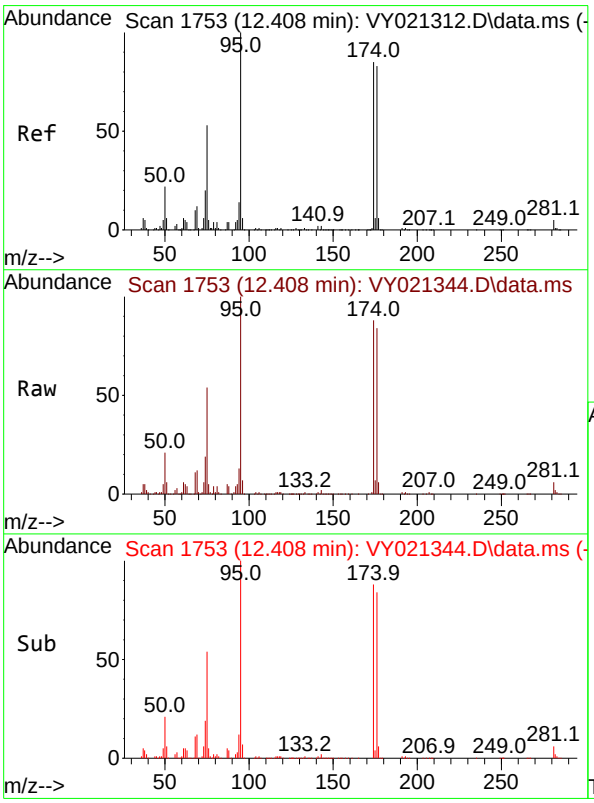

#61
1,2-Dibromoethane
Concen: 50.586 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 82050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.7 | 73.8 | 110.8 |

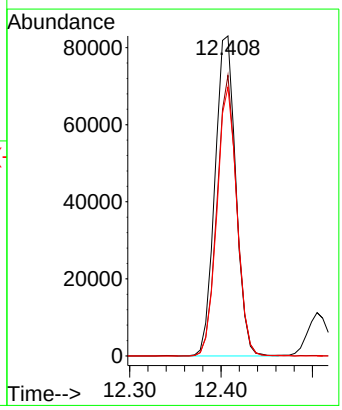


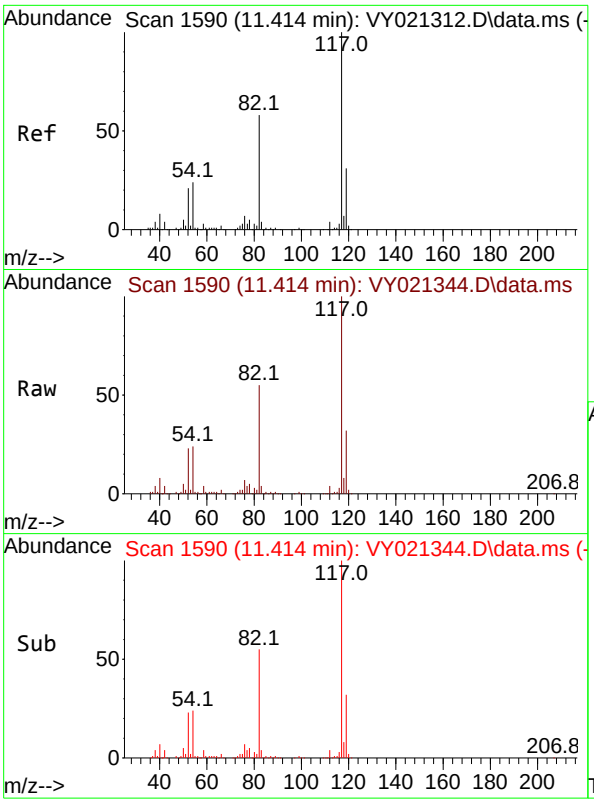




#62
4-Bromofluorobenzene
Concen: 44.933 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 95 Resp: 131584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.7 | 0.0 | 168.0 |
| 176 | 80.5 | 0.0 | 162.6 |



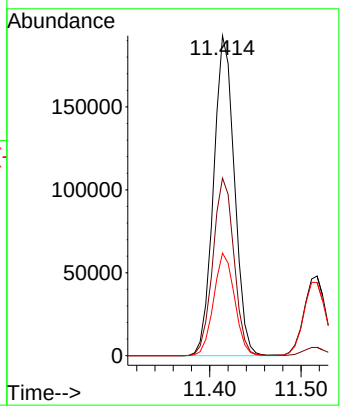


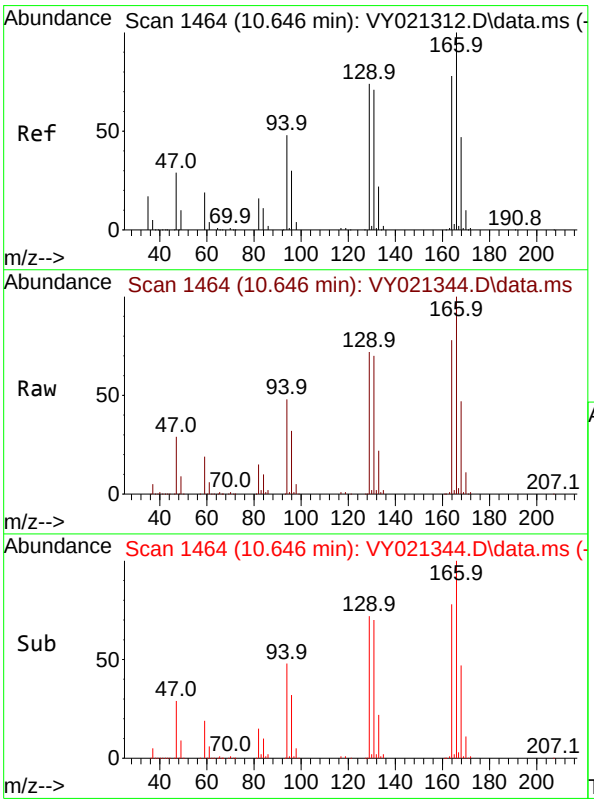

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 305969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.5 | 46.2 | 69.4 |
| 119 | 32.0 | 24.9 | 37.3 |

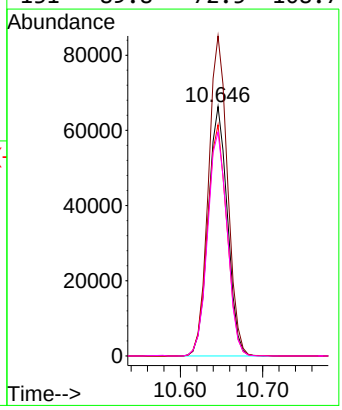


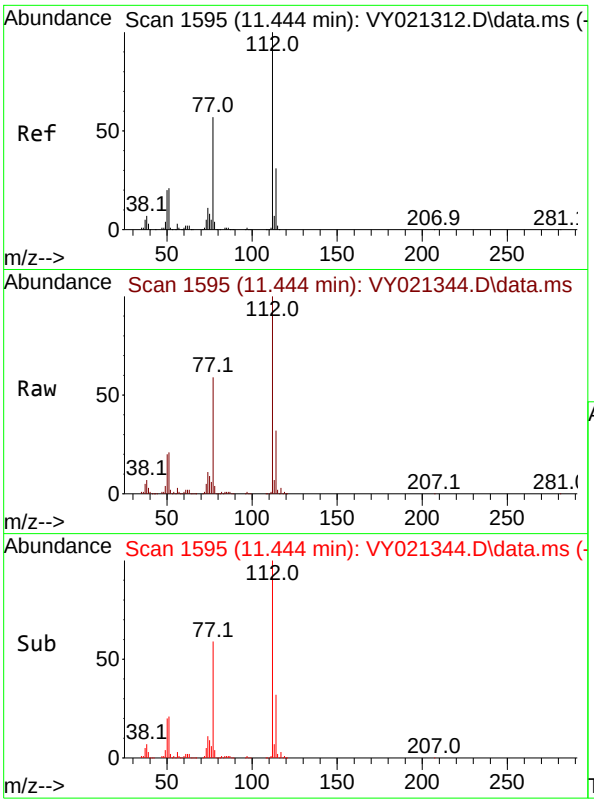




#64
Tetrachloroethene
Concen: 46.783 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:164 Resp: 108193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.3 | 101.9 | 152.9 |
| 129 | 92.7 | 75.5 | 113.3 |
| 131 | 89.8 | 72.5 | 108.7 |



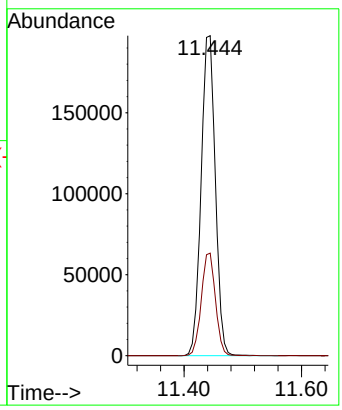


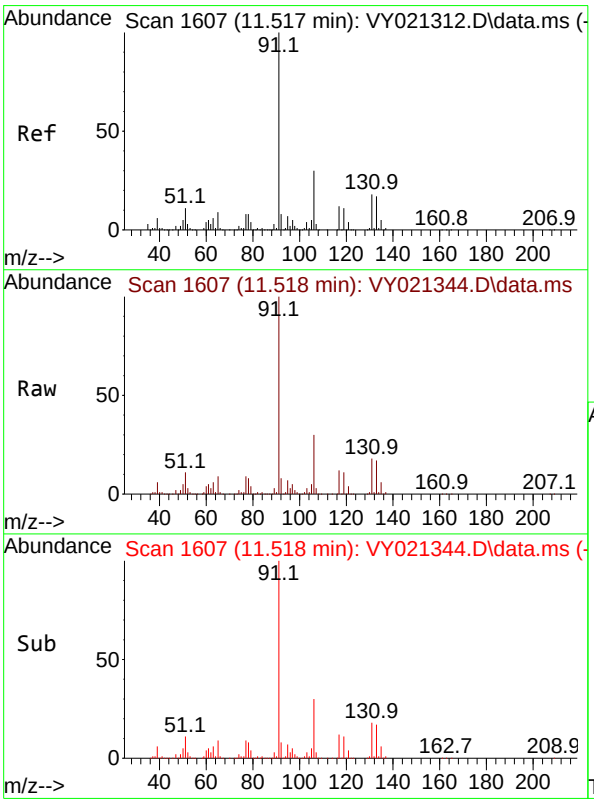

#65
Chlorobenzene
Concen: 48.330 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 331937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 25.0 | 37.6 |

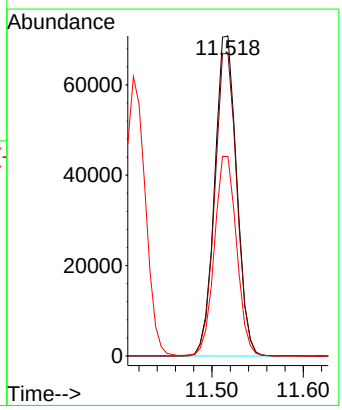


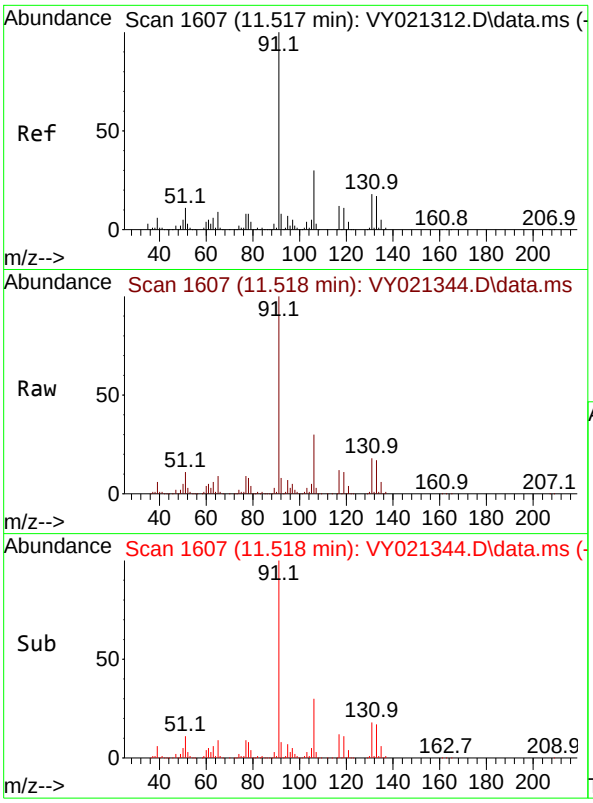




#66
1,1,1,2-Tetrachloroethane
Concen: 49.313 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:131 Resp: 118595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.1 | 47.9 | 143.6 |
| 119 | 63.2 | 31.7 | 95.1 |



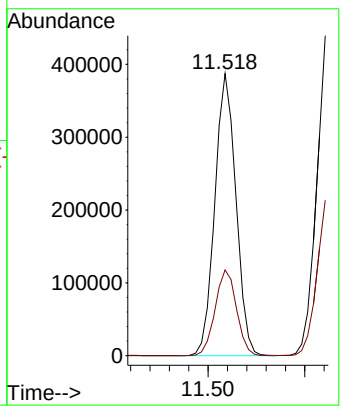


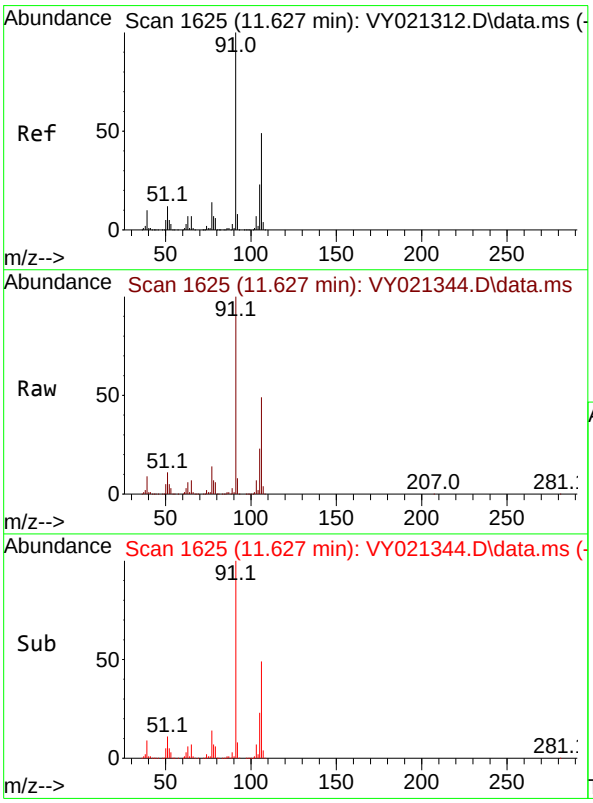

#67
Ethyl Benzene
Concen: 48.106 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 585231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 24.4 | 36.6 |

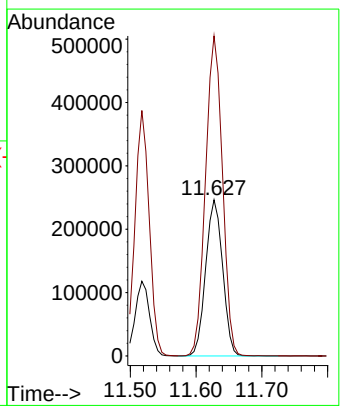


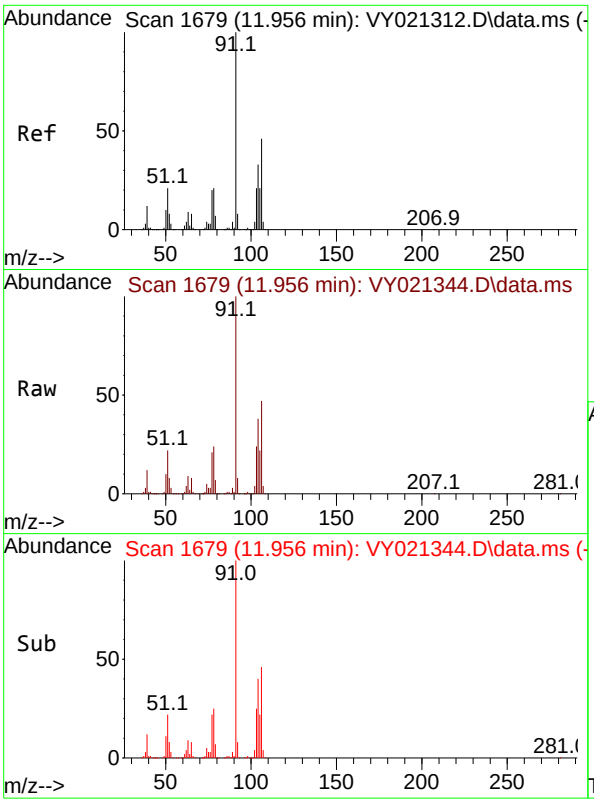




#68
m/p-Xylenes
Concen: 96.556 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:106 Resp: 441830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.2 | 163.9 | 245.9 |



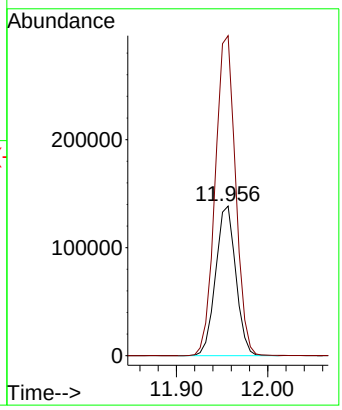


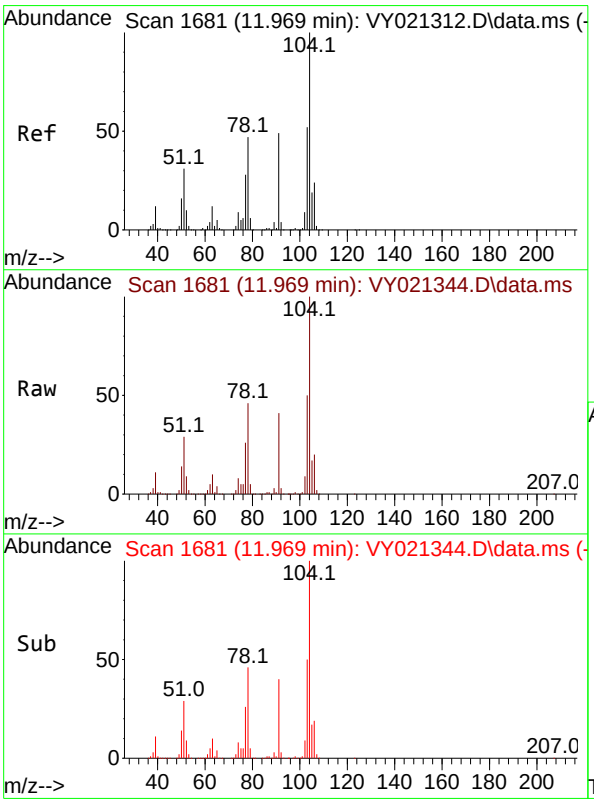

#69
o-Xylene
Concen: 49.544 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 212382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.1 | 108.1 | 324.2 |

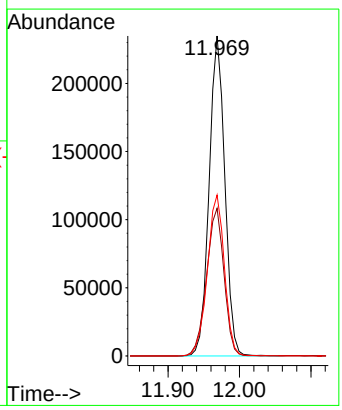


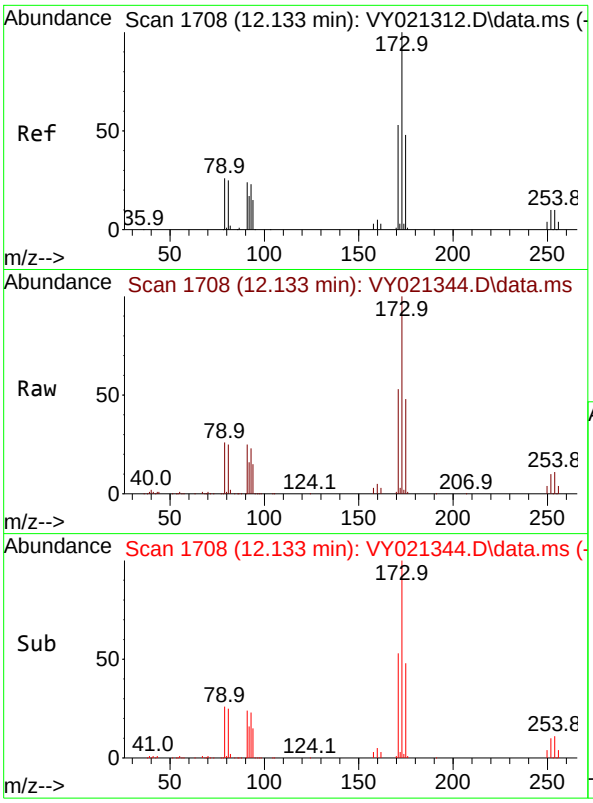




#70
Styrene
Concen: 50.170 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:104 Resp: 357830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.4 | 41.3 | 61.9 |
| 103 | 54.8 | 43.9 | 65.9 |



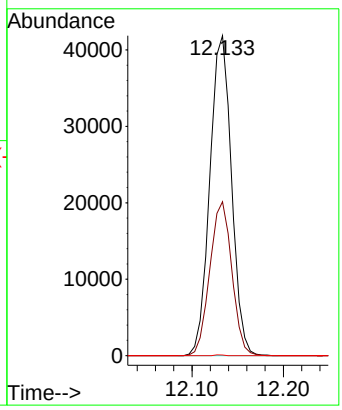


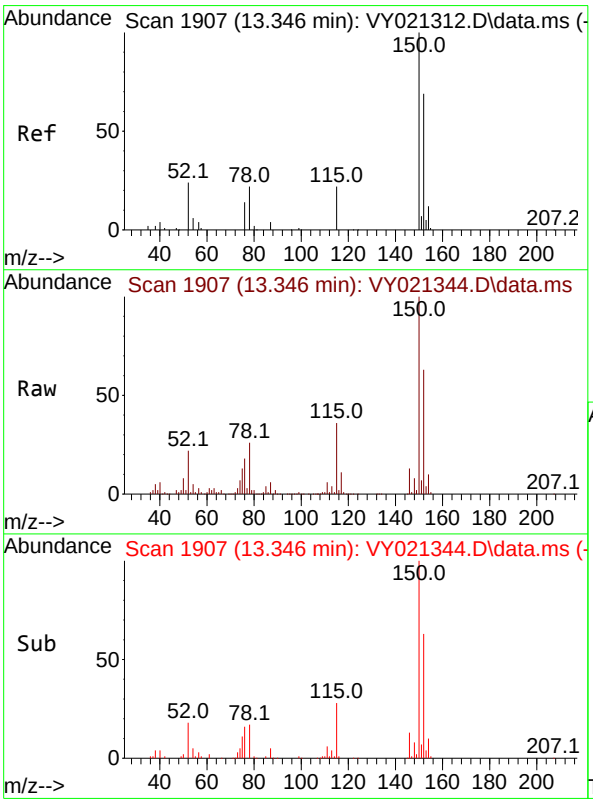

#71
Bromoform
Concen: 50.071 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 68887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.1 | 72.3 |
| 254 | 0.1 | 0.1 | 0.1 |

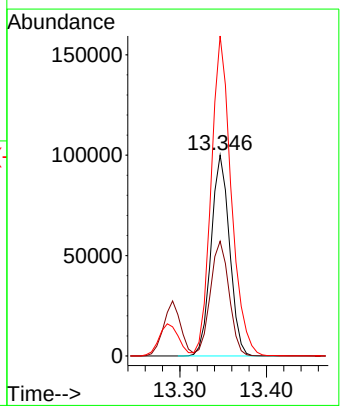


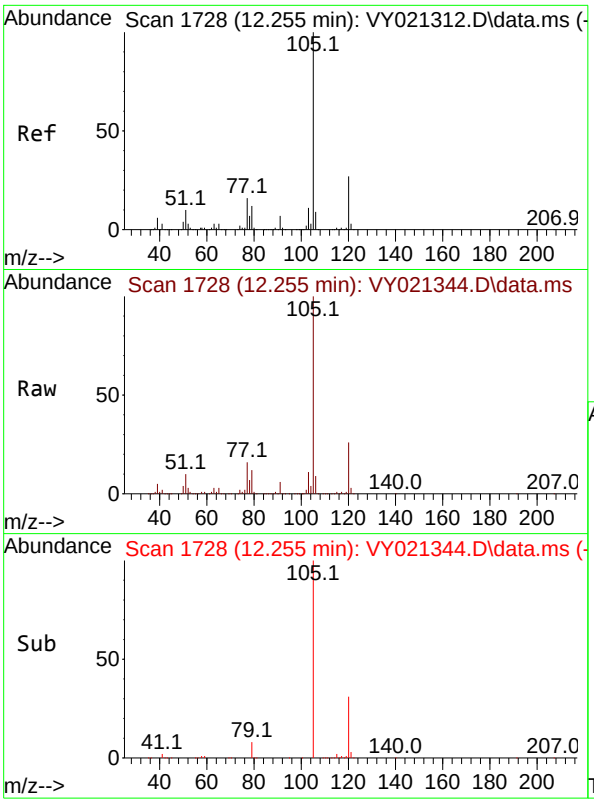




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:152 Resp: 148168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.1 | 29.3 | 88.0 |
| 150 | 173.1 | 0.0 | 347.4 |



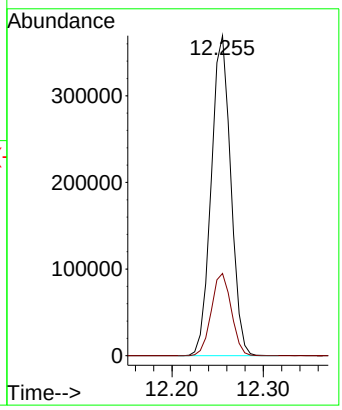


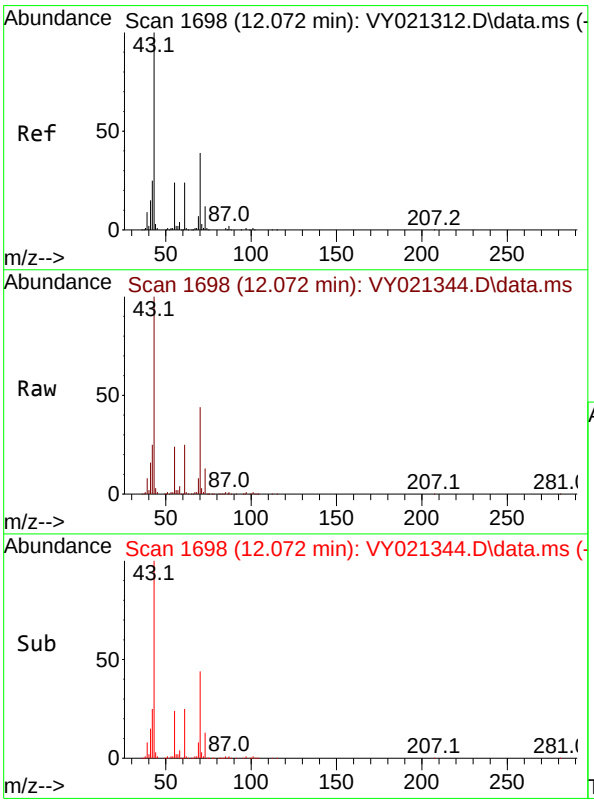

#73
Isopropylbenzene
Concen: 49.240 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 548496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.3 | 39.8 |

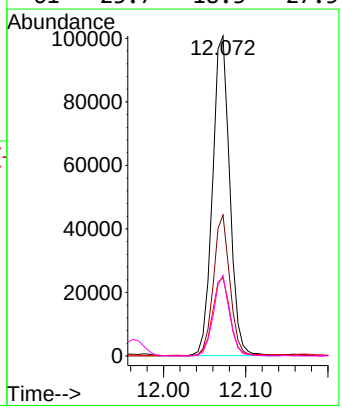


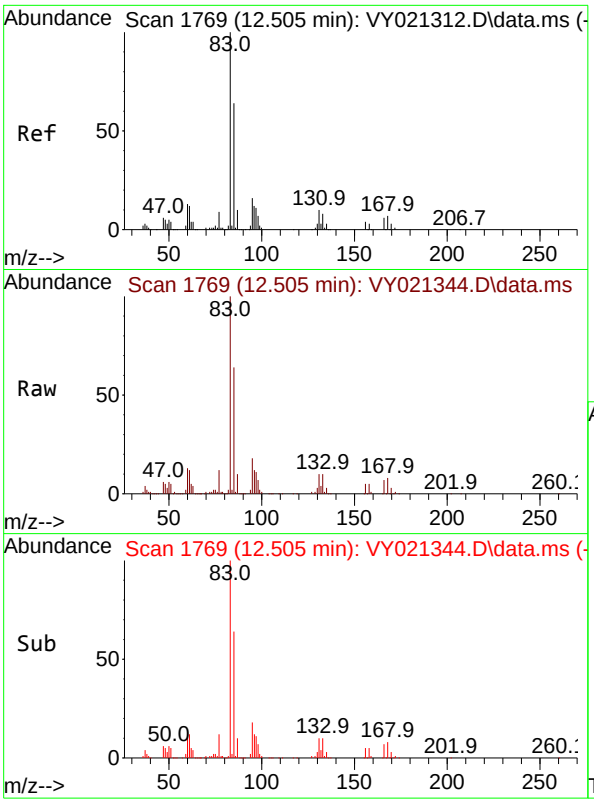




#74
N-amyl acetate
Concen: 51.825 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 146735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.1 | 32.2 | 48.2 |
| 55 | 24.8 | 19.6 | 29.4 |
| 61 | 23.7 | 18.3 | 27.5 |



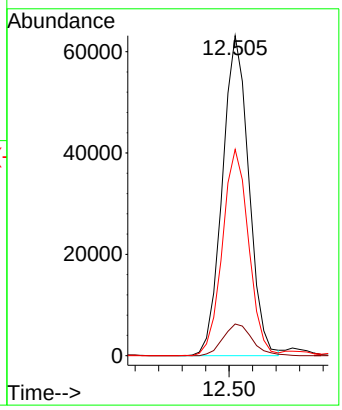


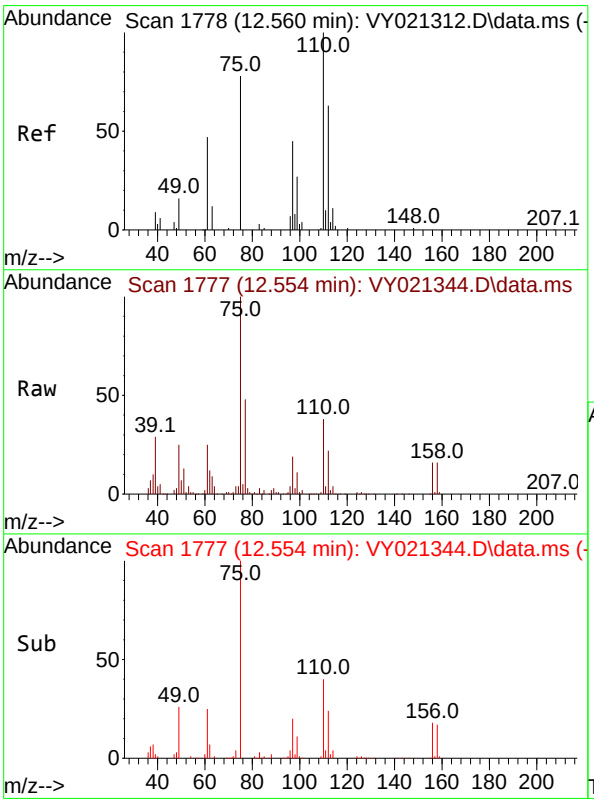

#75
1,1,2,2-Tetrachloroethane
Concen: 50.176 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 98641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 5.2 | 15.6 |
| 85 | 64.0 | 32.0 | 96.0 |

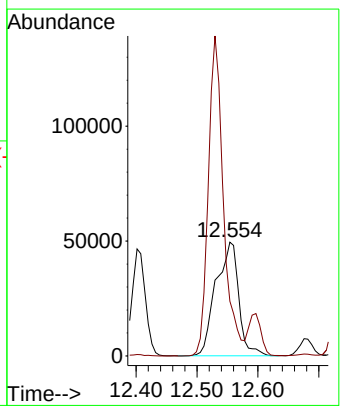


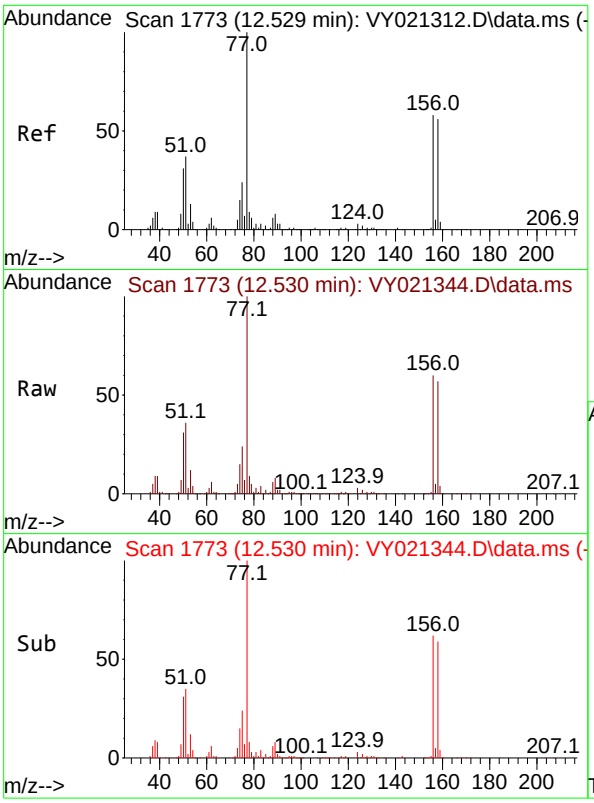




#76
1,2,3-Trichloropropane
Concen: 86.792 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 128720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



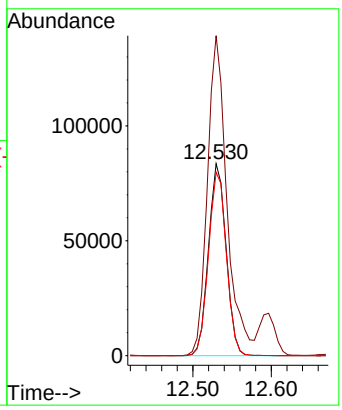


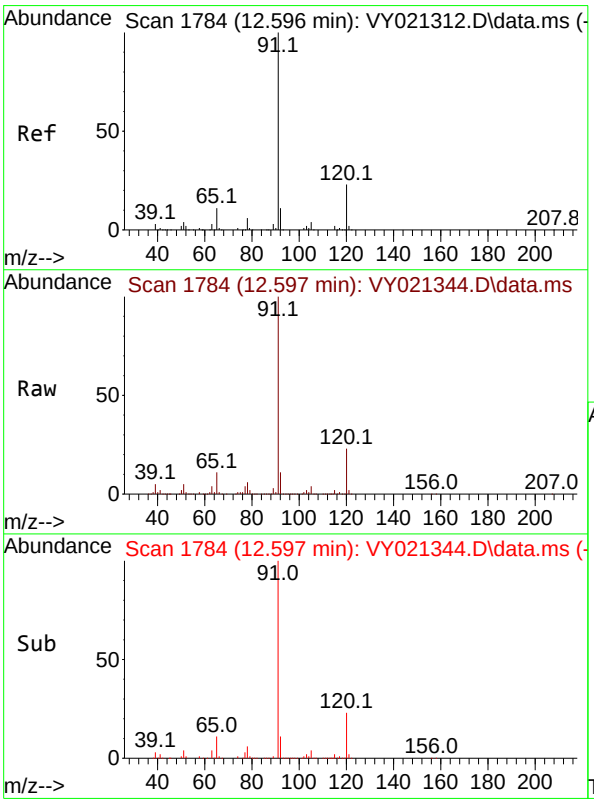

#77
Bromobenzene
Concen: 50.469 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 130762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 184.7 | 94.0 | 282.1 |
| 158 | 96.6 | 48.7 | 146.1 |

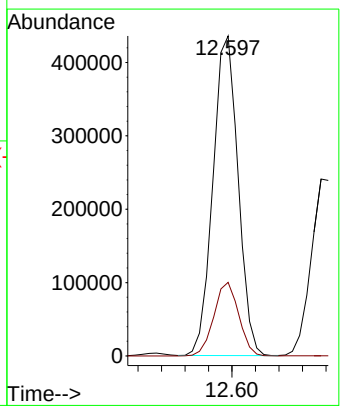


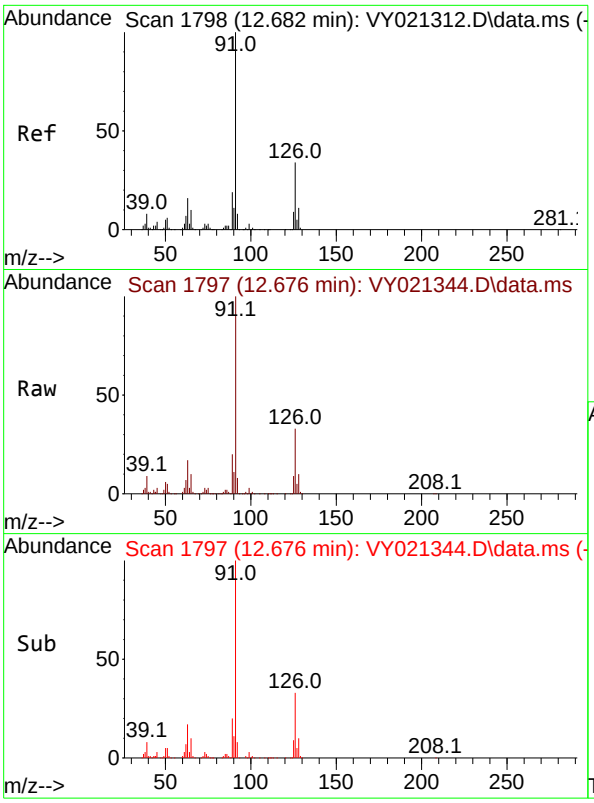




#78
n-propylbenzene
Concen: 47.897 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 647434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.8 | 11.2 | 33.5 |



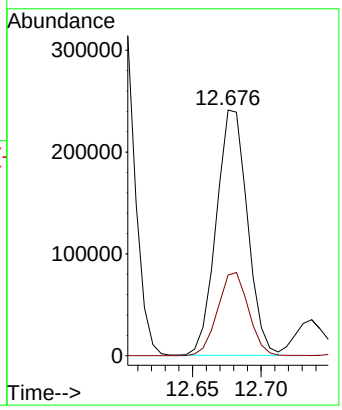


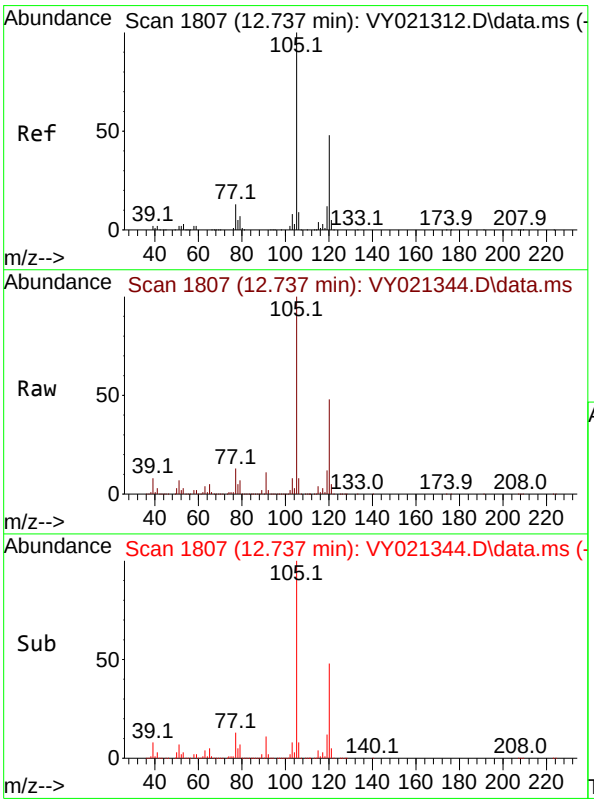

#79
2-Chlorotoluene
Concen: 49.187 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 381569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.9 | 50.6 |

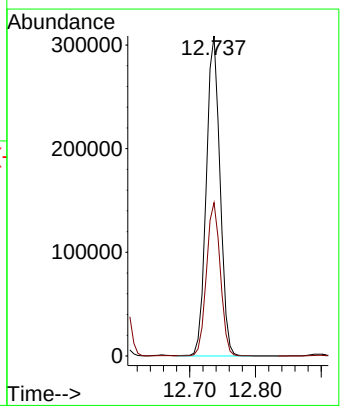


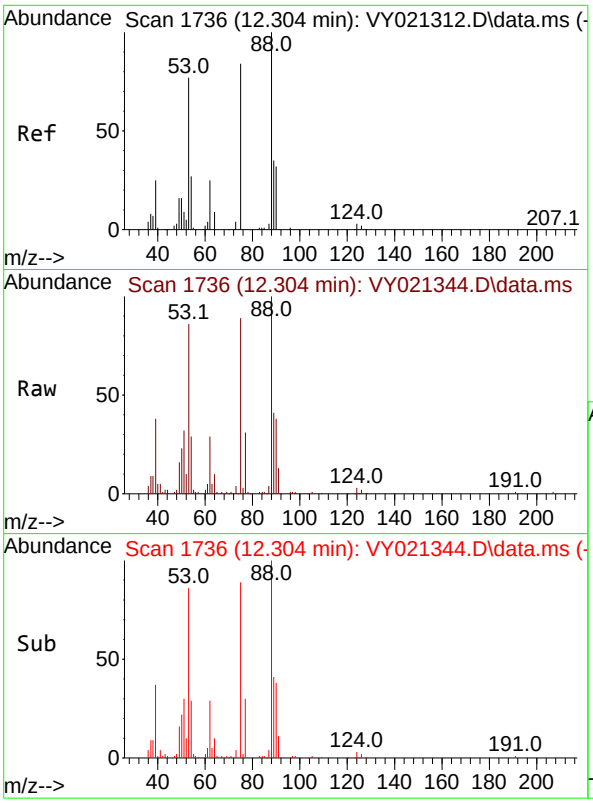




#80
1,3,5-Trimethylbenzene
Concen: 49.048 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 448101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 24.3 | 73.0 |



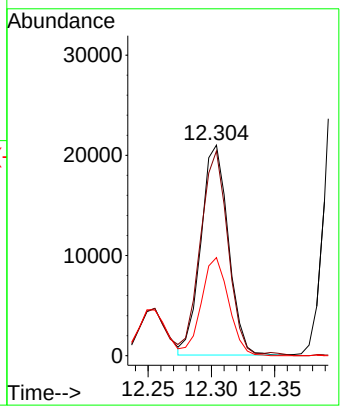


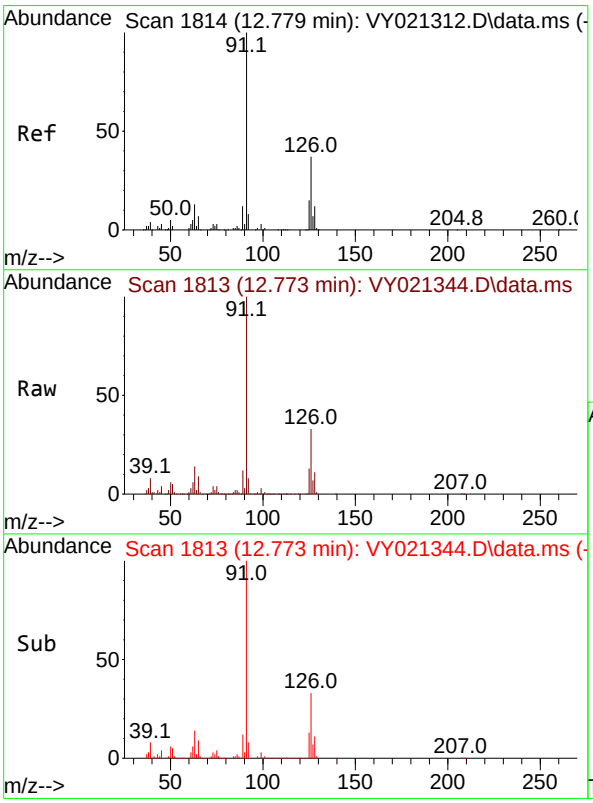

#81
trans-1,4-Dichloro-2-butene
Concen: 47.460 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 31668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 95.9 | 79.1 | 118.7 |
| 89 | 46.7 | 35.6 | 53.4 |

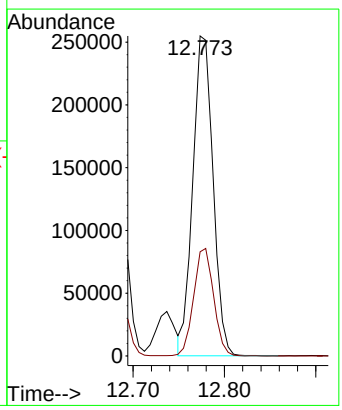


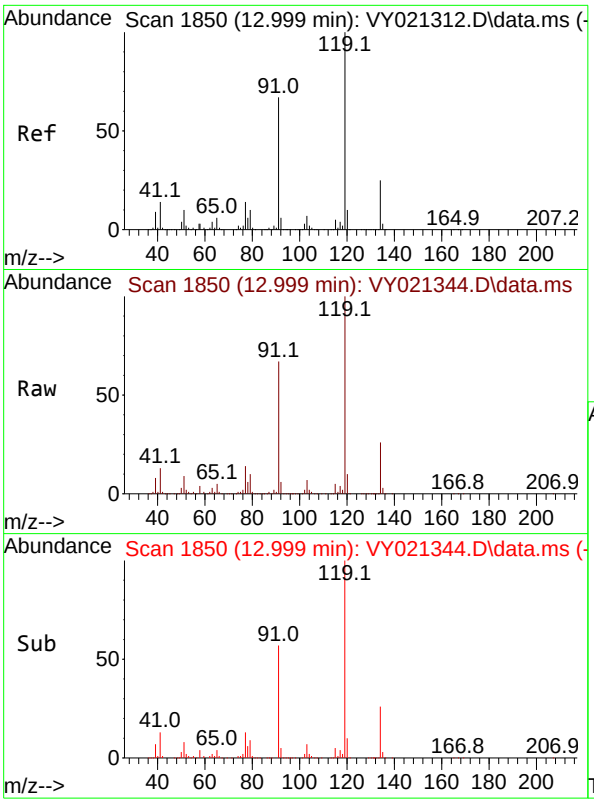




#82
4-Chlorotoluene
Concen: 48.755 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 392065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.8 | 50.4 |



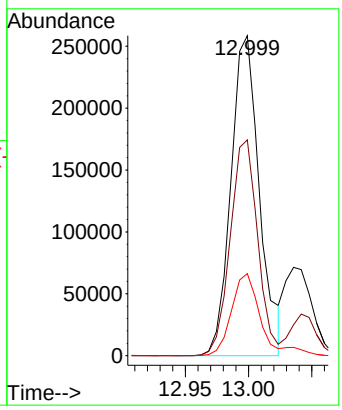


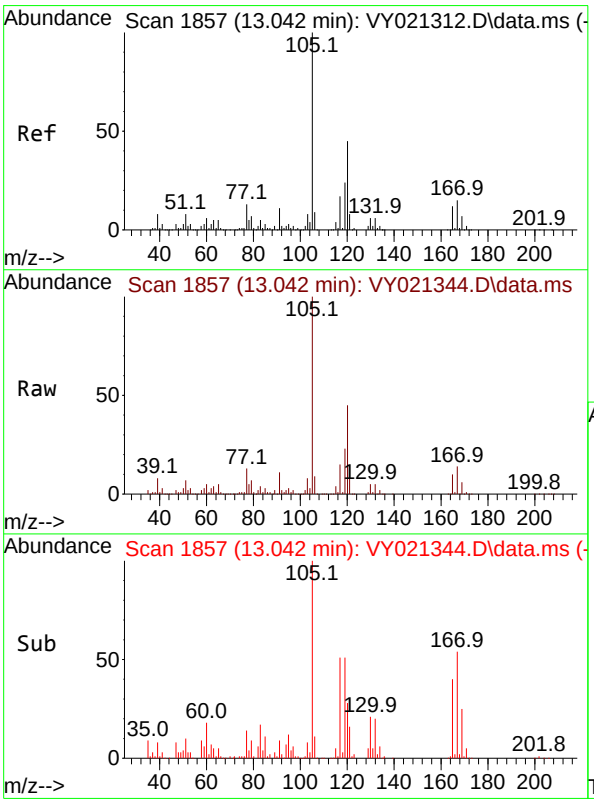

#83
tert-Butylbenzene
Concen: 49.124 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 405401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.0 | 32.7 | 98.1 |
| 134 | 26.5 | 13.3 | 39.9 |

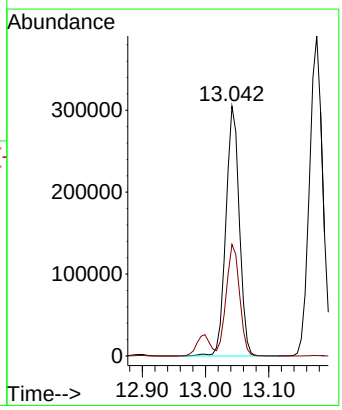


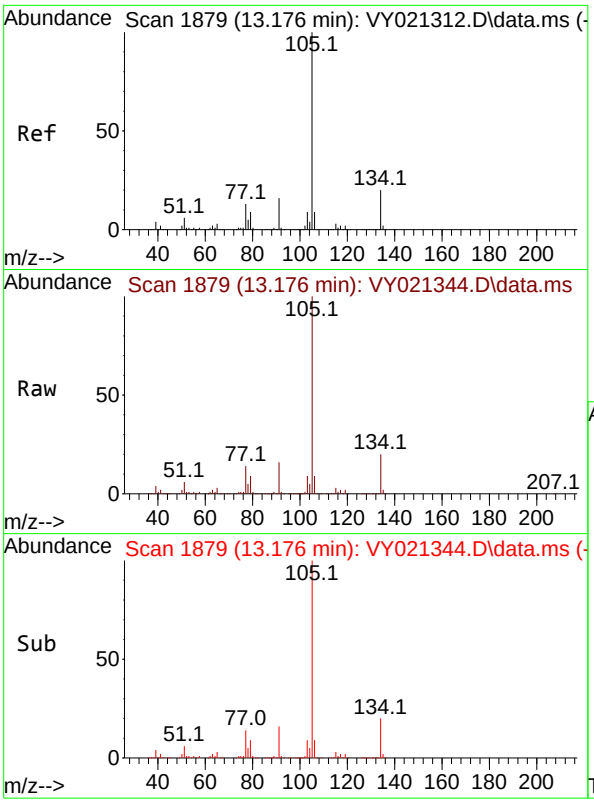




#84
1,2,4-Trimethylbenzene
Concen: 49.422 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 449054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 22.4 | 67.3 |



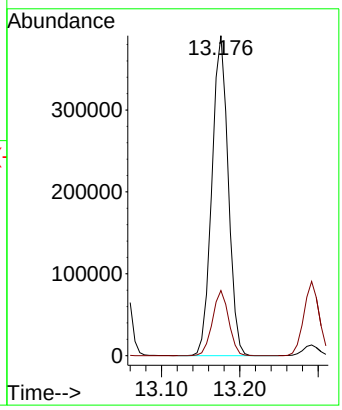


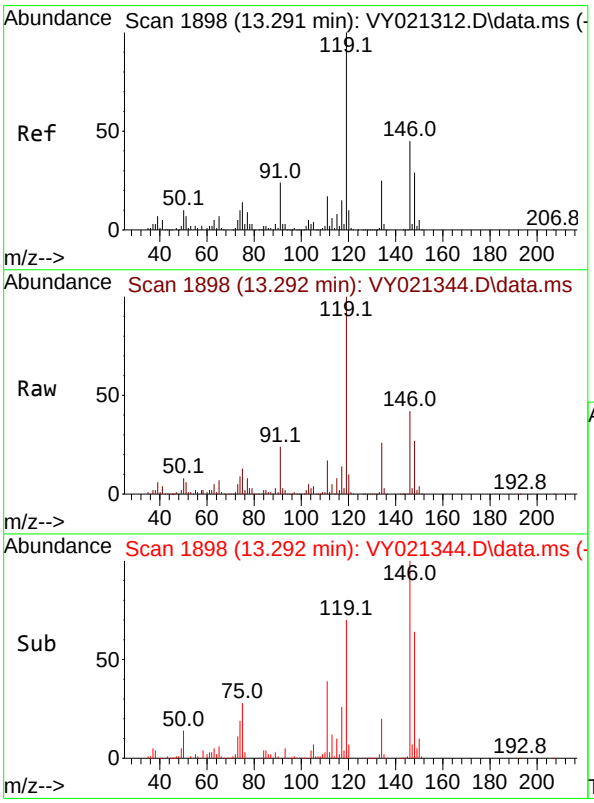

#85
sec-Butylbenzene
Concen: 46.848 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 564734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 10.0 | 30.0 |

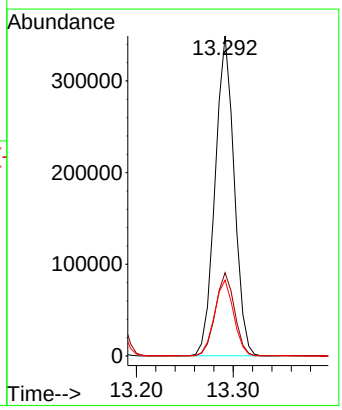


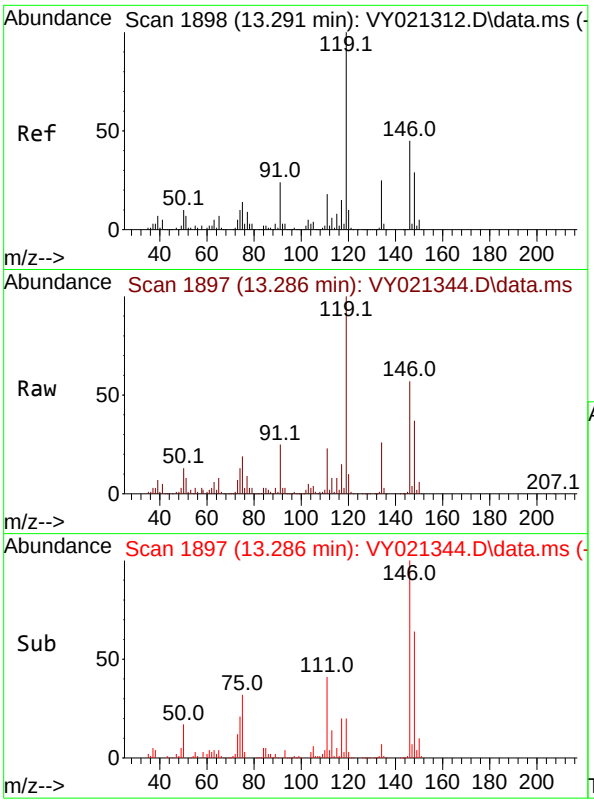




#86
p-Isopropyltoluene
Concen: 47.399 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:119 Resp: 477095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.0 | 38.9 |
| 91 | 23.9 | 12.0 | 36.1 |



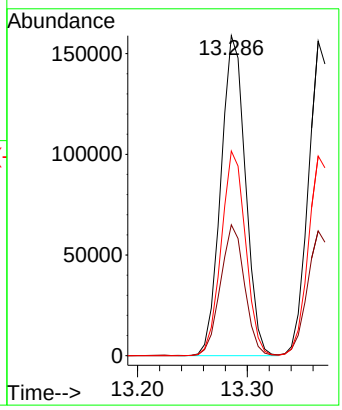


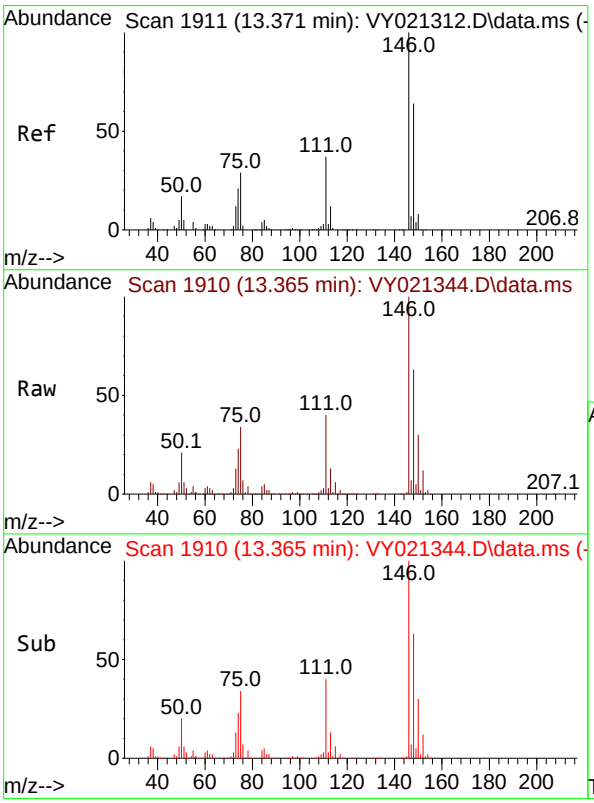

#87
1,3-Dichlorobenzene
Concen: 48.238 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 247228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.0 | 59.9 |
| 148 | 63.3 | 31.9 | 95.9 |

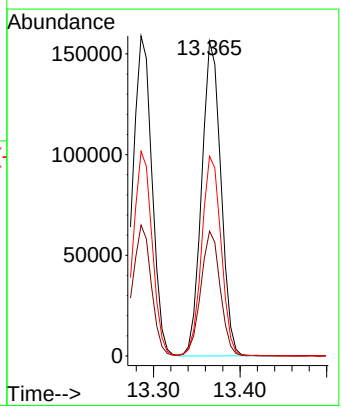


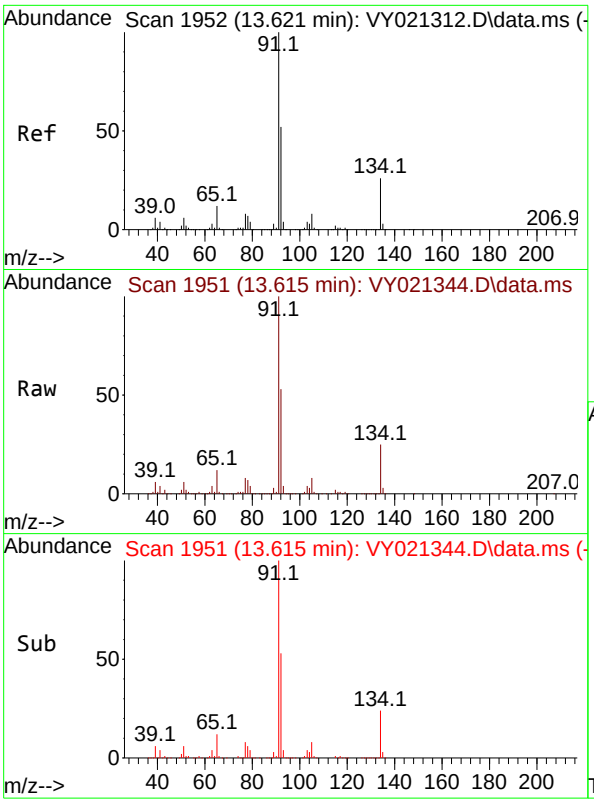




#88
1,4-Dichlorobenzene
Concen: 47.661 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 241313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 19.5 | 58.5 |
| 148 | 64.0 | 32.0 | 96.2 |



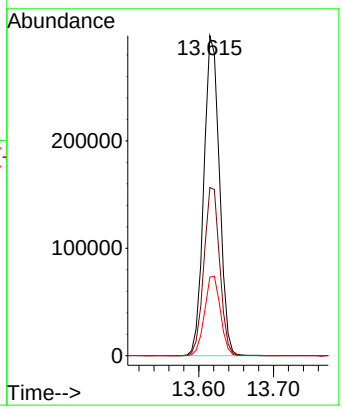


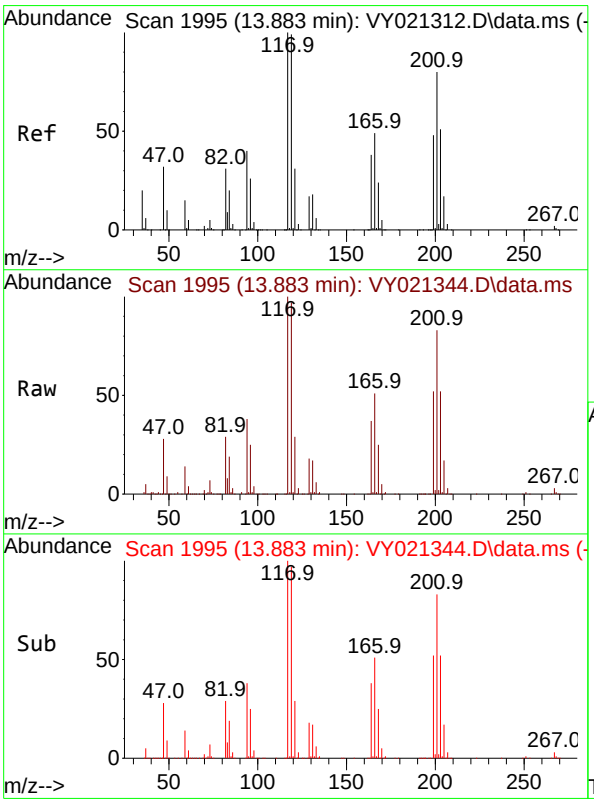

#89
n-Butylbenzene
Concen: 45.583 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 431776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.2 | 26.4 | 79.2 |
| 134 | 25.3 | 12.7 | 38.0 |

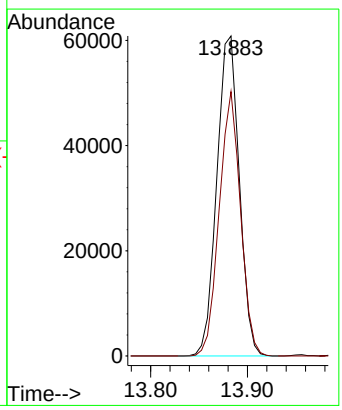


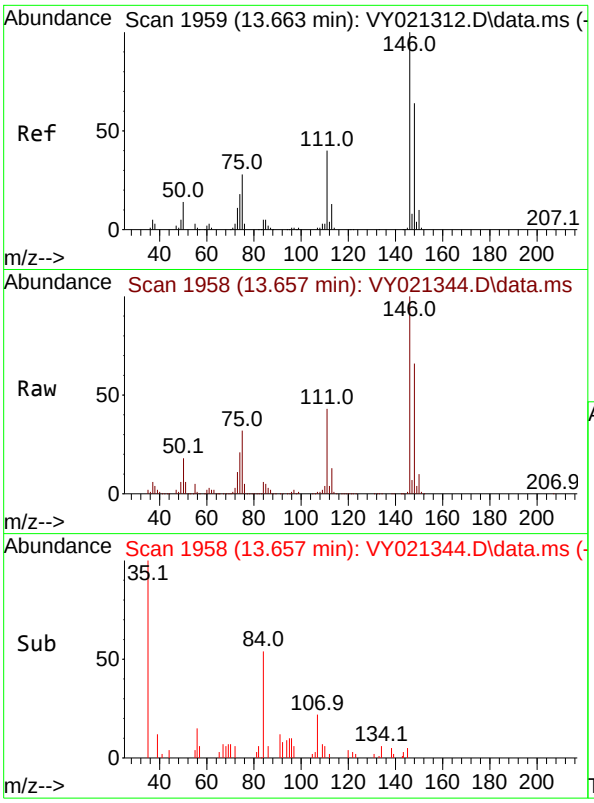




#90
Hexachloroethane
Concen: 46.606 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 97989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 78.2 | 38.4 | 115.2 |



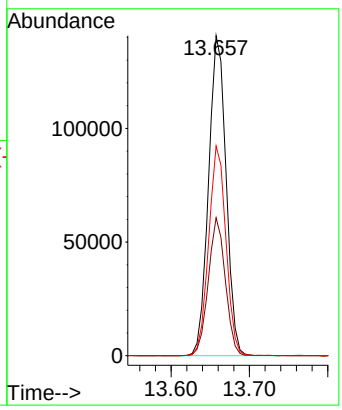


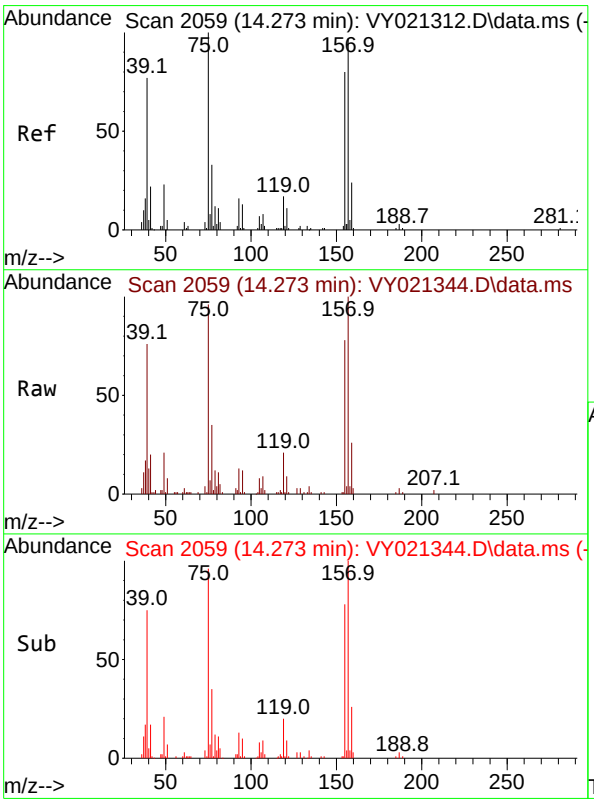

#91
1,2-Dichlorobenzene
Concen: 48.659 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 218493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.9 | 20.7 | 62.1 |
| 148 | 64.6 | 31.7 | 95.1 |

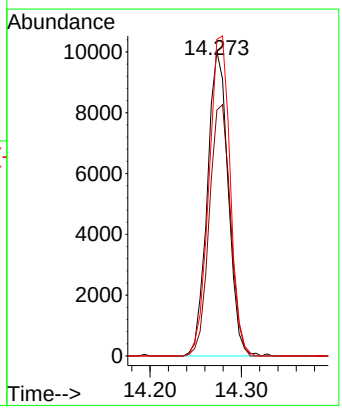


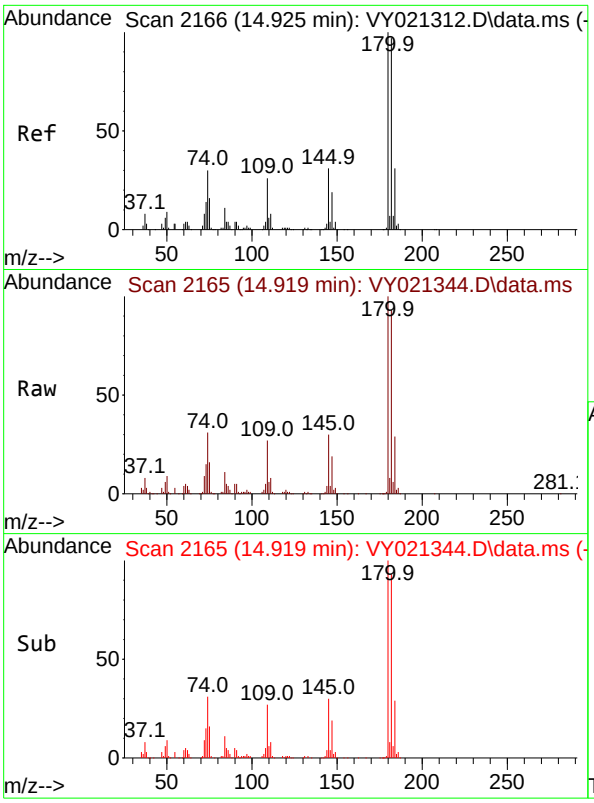




#92
1,2-Dibromo-3-Chloropropane
Concen: 51.037 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 15872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.3 | 41.9 | 125.6 |
| 157 | 106.6 | 52.5 | 157.6 |



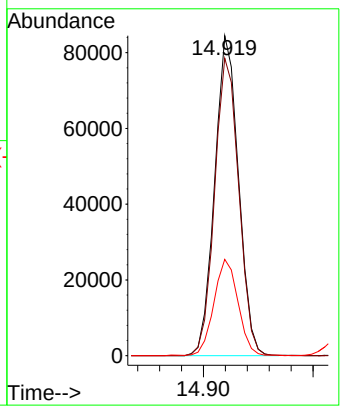


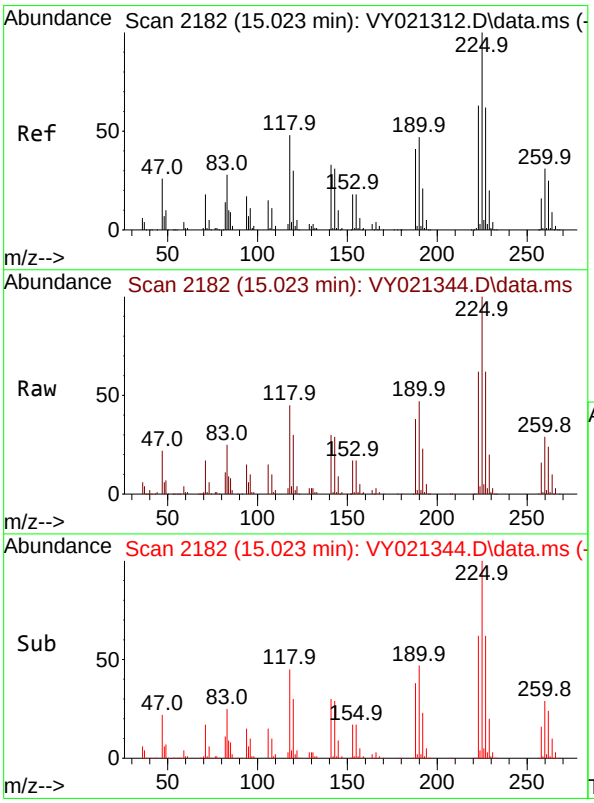

#93
1,2,4-Trichlorobenzene
Concen: 46.535 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 127534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 47.9 | 143.7 |
| 145 | 30.6 | 15.6 | 46.8 |

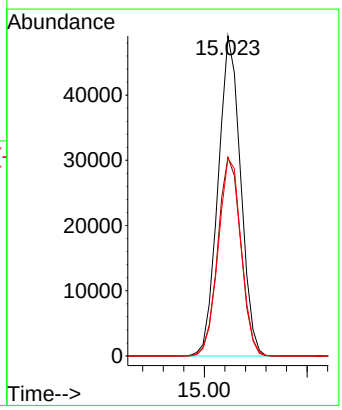


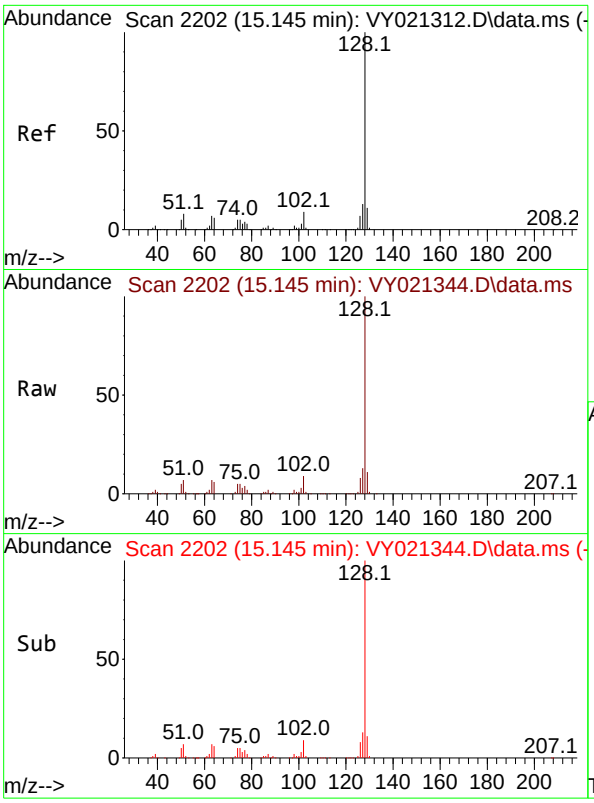




#94
Hexachlorobutadiene
Concen: 43.221 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:225 Resp: 74574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 31.8 | 95.4 |
| 227 | 63.0 | 31.9 | 95.7 |



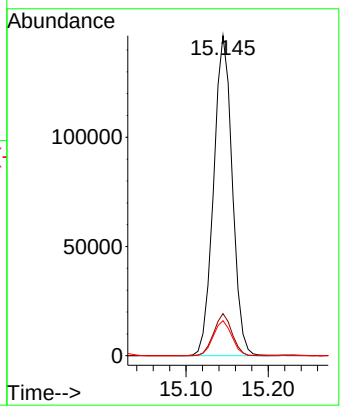


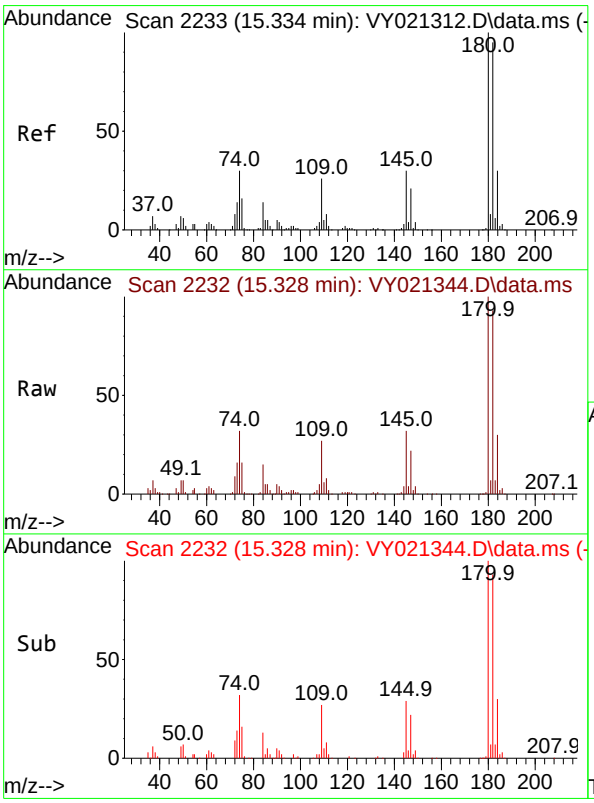

#95
Naphthalene
Concen: 50.863 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 230889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.5 | 15.7 |
| 129 | 10.9 | 8.5 | 12.7 |




#96
1,2,3-Trichlorobenzene
Concen: 47.484 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:180 Resp: 109952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 48.3 | 144.9 |
| 145 | 31.9 | 16.1 | 48.3 |